

## 12. INCOME, EXPENDITURES, AND DEBT

[Data in this section relate to continental United States]

### No. 350.— NATIONAL INCOME AND INCOME PAID OUT: 1929 TO 1939

NOTE. National income produced is not value of commodities produced and services rendered (gross value less expenditures for materials and interindustry services—such as transportation and communication—in productive processes, for taxes, and for depreciation of capital equipment). Income paid out is amount actually distributed to individuals as salaries, wages, interest, dividends, entrepreneurial withdrawals, and net rents and royalties. Imputed income from ownership of durable goods (including owned homes), imputed value of services of members of family, earnings from odd jobs, direct relief and charity, earnings from illegal pursuits, and changes in value of assets not derived by groups professionally engaged in handling of assets are not included either in income produced or in income paid out. Business savings (positive or negative) represent difference between income produced and income paid out.

	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
AMOUNT (millions of dollars)											
National income.	82,885	68,901	54,310	40,674	42,430	50,347	55,870	65,165	71,172	63,610	59,378
Business savings.	2,274	5,310	-8,506	-9,215	-3,085	-1,441	-26	1,014	910	-1,397	778
Corporate savings.	1,250	-3,910	5,893	-6,374	2,818	-2,172	-1,264	-873	-800	-2,140	-277
Business savings of entrepreneurs.	1,024	-1,400	-2,613	2,841	-267	731	1,238	1,887	1,710	743	1,055
Income paid out.	80,611	74,211	62,816	49,289	45,515	51,788	55,896	64,151	70,262	65,667	68,600
PERCENTAGES OF 1929											
National income.	100.0	83.1	65.5	48.3	51.2	60.7	67.4	78.6	85.9	76.7	83.7
Income paid out.	100.0	92.1	77.9	61.1	56.5	64.2	59.3	79.61	87.2	80.6	85.1
Cost of living index <sup>1</sup>	100.0	97.5	89.1	80.2	76.2	79.1	81.1	82.1	84.7	83.4	82.6
Wholesale price index <sup>1--</sup>	100.0	90.7	76.6	68.0	69.2	78.6	83.9	84.8	90.6	82.5	80.9

1 Bureau of Labor Statistics.

### No. 351. INCOME PAID OUT, BY TYPES OF PAYMENT: 1929 TO 1939

	AMOUNT MILLIONS OF DOLLARS)										
	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
Income paid out, total.	80,611	74,211	62,816	49,283	45,515	51,788	55,896	64,151	70,262	65,007	68,600
Compensation of employees, total.	52,776	47,919	40,362	31,516	20,592	23,247	27,239	42,703	47,542	44,301	46,768
Salaries (selected industries) <sup>1</sup>	6,153	5,959	4,928	3,588	3,260	3,760	4,032	4,370	4,881	4,536	4,652
Wages (selected industries) <sup>1</sup>	14,915	12,332	9,371	6,482	6,786	3,515	9,666	11,166	13,068	10,232	11,630
Salaries and wages (all other industries).	31,276	29,178	25,558	20,883	18,485	20,110	21,699	23,962	26,260	25,655	26,794
Work-relief wages <sup>2</sup>				59	132	646	1,430	1,339	2,383	1,783	2,145
Social Security contributions of employers.							3	7	299	950	1,119
Other labor income.	432	450	446	431	415	429	496	523	600	614	627
Dividends and interest, total.	11,851	11,715	10,270	8,393	7,351	7,937	3,055	9,721	9,794	8,258	8,956
Dividends	5,945	5,634	4,280	2,727	2,193	2,725	2,931	4,651	4,752	3,370	4,124
Interest.	5,906	6,081	5,990	5,666	5,158	5,212	5,124	5,070	5,042	4,888	4,832
Entrepreneurial withdrawals.	12,620	11,903	10,148	8,156	7,364	8,149	8,911	8,818	8,813	10,473	10,826
Net rents and royalties.	3,364	2,674	2,036	1,224	1,208	1,455	1,691	1,909	2,113	1,975	2,050

<sup>1</sup> Includes mining, manufacturing, steam railroads, Pullman railway express and water transportation, Works Administration, Federal Emergency Relief Administration, and the Federal Works Program projects plus administrative pay rolls outside Washington, D. C., for all except the Federal Works Program. Area office employees and their pay rolls under the Federal Works Program are included with the regular Federal Government employment and pay roll figures.

Source of tables 350 and 351: Department of Commerce, Bureau of Foreign and Domestic Commerce. Annual and current figures are published in "Survey of Current Business" and reprints.

## No. 352. NATIONAL INCOME, BY INDUSTRIAL DIVISIONS: 1929 TO 1939

[In millions of dollars]

	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
National income.	32,885	68,901	54,310	40,074	42,430	50,347	55,870	35,165	71,172	63,610	69,378
Agriculture.	7,258	5,622	3,729	2,551	3,419	4,553	5,276	5,970	6,378	5,432	5,635
Mining	1,883	1,327	748	524	590	991	1,028	1,299	1,530	1,072	1,232
Electric light and power and gas-	1,425	1,324	1,240	1,096	1,026	1,127	1,152	1,233	1,380	1,365	1,384
Manufacturing.	20,308	14,987	16,194	6,009	8,162	10,510	12,402	14,978	16,994	12,359	15,425
Contract construction.	3,670	2,759	1,862	906	581	735	964	1,570	1,902	1,749	2,148
transportation	7,108	6,155	4,946	3,622	3,587	3,817	4,133	4,795	5,088	4,261	4,800
communication	1,047	1,011	907	722	640	679	723	770	839	808	863
Trade.	11,314	9,245	7,415	5,290	6,031	6,971	7,608	8,516	9,131	8,593	0,135
Finance.	8,915	7,836	6,441	4,895	4,318	4,630	5,131	5,749	6,189	5,837	9,583
government, including work-											
program wages.	6,330	6,438	6,518	6,487	6,563	7,632	7,923	9,446	9,153	9,846	9,884
Government, excluding work-											
program wages.	6,330	6,438	6,459	6,355	5,917	6,202	6,584	7,063	7,370	7,701	8,015
Work-program wages.			595	132	646	1,430	1,339	2,383	1,783	2,145	1,869
Service.	9,615	8,725	7,343	5,579	5,321	6,181	6,828	7,643	8,477	8,067	8,374
Miscellaneous	4,012	3,472	2,967	2,393	2,192	2,518	2,695	2,897	3,161	3,102	3,319
Social security contribution of											
employers.							3	7	299	950	1,119

1 Data on dividends, interest, and corporate savings by industrial divisions for 1934 and for subsequent years are based on a different industrial classification than are the estimates of these items for earlier years because of a change in the Revenue Act of 1934. Special tabulations of the Bureau of Internal Revenue permitted the making of estimates for 1934 on the earlier basis. For specific items in certain industries the variations are substantial, but for total income the changes were small. The 2 estimates were averaged in compiling this table.

## No. 353. NUMBER OF EMPLOYEES AND THE PER CAPITA INCOME OF EMPLOYEES: 1929 TO 1939

	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
NUMBER OF EMPLOYEES (thousands)											
All employees.	35,563	31,222	29,715	26,222	26,133	28,402	29,726	31,858	33,768	31,239	32,419
Salaried employees (selected industries) 2	2,478	2,373	2,050	1,693	1,634	1,831	1,922	2,068	2,206	2,064	2,100
Wage earners (selected industries) 2-	10,964	9,649	8,155	6,877	7,430	8,553	9,021	9,765	10,618	8,832	9,404
Salaried employees or wage earners (all other industries).	22,121	21,100	19,510	17,652	17,069	18,018	18,782	20,025	20,944	20,343	20,915
PER CAPITA INCOME OF EMPLOYEES											
All employees.	31,472	81,433	31,341	81,180	51,092	51,140	\$1,191	81,240	1,309	31,294	\$1,329
Salaried employees (selected industries) 2	2,483	2,511	2,404	2,119	1,995	2,054	2,098	2,113	2,213	2,198	2,215
Wage earners (selected industries) 2-	1,360	1,278	1,149	943	913	996	1,071	1,143	1,231	1,159	1,237
Salaried employees or wage earners (all other industries)	1,414	1,383	1,310	1,183	1,083	1,116	1,155	1,197	1,254	1,261	1,281

1 Averages for the calendar year. The numbers represent in some industries a full-time equivalent. Unpaid family farm labor and work-relief employees have not been included.

2 Includes mining, manufacturing, steam railroads, Pullman, railway express, and water transportation.

Source of tables 352 and 353: Department of Commerce, Bureau of Foreign and Domestic Commerce. Annual and current figures are published in "Survey of Current Business" and reprints.

No. 354. CONSUMER INCOMES DISTRIBUTION OF FAMILIES AND SINGLE INDIVIDUALS AND OF AGGREGATE INCOME RECEIVED, BY INCOME LEVEL: 1935-36

NOTE—These figures are estimates based primarily on sample data collected in the Study of Consumer Purchases, & Works Progress Administration project conducted by the Bureau of Home Economics and the Bureau of Labor Statistics in cooperation with the National Resources Committee and the Central Statistical Board. Findings of that study were supplemented by income tax statistics and by other sample data on family and individual incomes.

INCOME LEVEL	FAMILIES AND SINGLE INDIVIDUALS, TOTAL			FAMILIES			SINGLE INDIVIDUALS		
	Number or amount	Per cent each level	Cumulative per cent	Number or amount	Per cent each level	Cumulative per cent	Number or amount	Per cent each level	Cumulative per cent
	Number of units			Number of units			Number of units		
All levels.	39,463,300	100.00		29,400,300	100.00		10,058,000	100.00	
Under \$250.	2,123,534	5.38	5.38	1,162,390	3.95	3.35	960,644	9.55	9.55
>250-\$500.	4,587,377	11.63	17.01	3,015,394	10.26	14.21	1,571,983	15.63	25.18
\$500-\$750.	5,771,960	14.63	31.64	3,799,215	12.92	27.13	1,972,745	19.62	44.80
\$750-\$1,000.	5,876,078	14.90	46.54	4,277,048	14.55	41.68	1,599,030	15.91	60.71
\$1,000-\$1,250.	4,990,995	12.65	59.19	5,882,444	13.20	54.88	1,108,551	11.02	71.73
\$1,250-\$1,500.	3,743,428	9.49	68.68	2,865,472	9.75	64.63	877,956	8.73	80.46
\$1,500-\$1,750.	2,889,904	7.32	76.00	2,343,358	7.97	72.60	546,546	5.43	85.89
\$1,750-\$2,000.	2,296,022	5.82	81.82	1,897,037	6.45	79.05	393,985	3.97	89.86
\$2,000-\$2,250.	1,704,535	4.32	86.14	1,429,883	4.83	83.88	283,652	2.82	92.68
\$2,250-\$2,500.	1,254,076	3.18	89.32	1,043,977	3.55	87.43	210,099	2.09	94.77
\$2,500-\$3,000.	1,475,474	3.74	93.06	1,314,199	4.47	91.90	161,275	1.80	96.37
\$3,000-\$3,500.	851,919	2.16	95.22	743,559	2.53	94.43	108,360	1.08	97.45
\$3,500-\$4,000.	502,159	1.27	96.49	438,428	1.49	95.92	63,731	.63	98.08
\$4,000-\$4,500.	286,053	.72	97.21	249,948	.85	96.77	36,105	.36	98.44
\$4,500-\$6,000.	178,138	.45	97.66	152,647	.52	97.29	25,491	.25	98.69
\$5,000-\$7,500.	380,266	.96	98.62	322,950	1.10	98.39	57,316	.57	99.26
\$7,500-\$10,000.	215,642	.55	99.17	187,060	.64	99.03	28,582	.28	99.54
PLU. \$10,000.	152,682	.39	99.56	131,821	.45	99.48	20,861	.21	99.75
\$15,000-\$20,000.	67,923	.17	99.73	58,487	.20	99.68	9,436	.09	99.84
\$20,000-\$25,000.	39,825	.10	99.83	34,208	.12	99.80	5,617	.06	99.90
\$25,000-\$30,000.	25,583	.06	99.89	22,233	.08	99.88	3,350	.03	99.93
\$30,000-\$40,000.	17,959	.05	99.94	15,561	.05	99.93	2,398	.02	99.95
\$40,000-\$50,000.	3,340	.02	99.96	6,603	.02	99.95	1,737	.02	99.97
\$50,000-\$100,000.	13,041	.03	99.99	10,571	.04	99.99	2,470	.02	99.99
\$100,000-\$250,000.	4,144	.01	100.00	3,336	.01	100.00	808	.01	100.00
\$250,000-\$500,000.	916	(2)		699	(2)		217		
\$500,000-\$1,000,000.	240			197			43		
\$1,000,000 and over--	87	8		75	8		12	8	
	Amount of aggregate income (in thousands of dollars)								
All levels.	59,258,628	100.00		47,679,238	100.00		11,579,390	100.00	
Under \$250.	294,138	0.50	0.50	135,836	0.28	0.28	153,302	1.37	1.37
>250-\$500.	1,767,363	2.98	3.48	1,166,509	2.45	2.73	600,854	5.19	6.56
\$500-\$750.	3,615,653	6.10	0.58	2,384,017	5.00	7.73	1,231,636	10.63	17.19
\$750-\$1,000.	5,129,506	8.65	18.23	3,738,014	7.84	15.57	1,391,492	12.01	29.20
\$1,000-\$1,250.	5,589,111	9.42	27.65	4,348,429	9.12	24.69	1,240,582	10.71	39.91
\$1,250-\$1,500.	5,109,112	8.62	36.27	3,907,765	8.20	32.89	1,201,347	10.37	50.28
\$1,500-\$1,750.	1,560,793	7.87	14.14	3,777,570	7.92	40.81	883,223	7.63	57.91
\$1,750-\$2,000.	2,142,203	7.11	51.25	3,468,803	7.27	48.08	745,400	6.44	64.35
\$2,000-\$2,250.	3,502,861	6.08	57.33	3,002,082	6.30	54.38	600,779	5.19	69.54
\$2,250-\$2,500.	2,963,932	5.01	52.34	2,471,672	5.18	59.56	497,260	4.29	73.83
\$2,500-\$3,000.	4,004,774	6.76	69.10	3,568,624	7.48	67.04	436,150	3.77	77.60
\$3,000-\$3,500.	2,735,487	4.62	73.72	2,385,993	5.00	72.04	349,494	3.02	80.62
\$3,500-\$4,000.	1,863,384	3.14	76.86	1,625,887	3.41	75.45	237,497	2.05	82.67
\$4,000-\$4,500.	1,202,826	2.03	78.89	1,048,368	2.20	77.65	154,458	1.83	84.00
\$4,500-\$5,000.	841,766	1.42	80.31	719,447	1.51	79.16	122,319	1.06	85.06
\$5,000-\$7,500.	2,244,406	3.79	84.10	1,900,091	3.99	83.15	344,315	2.97	88.03
\$7,500-\$10,000.	1,847,820	3.12	87.22	1,605,632	3.37	86.52	242,188	2.09	90.12
\$10,000-\$15,000.	1,746,925	2.95	90.17	1,496,600	3.14	89.66	250,325	2.16	92.28
\$15,000-\$20,000.	1,174,574	1.98	92.15	1,013,664	2.13	91.79	160,910	1.39	93.67
\$20,000-\$25,000.	889,114	1.50	93.65	762,240	1.60	93.39	126,874	1.10	94.77
\$25,000-\$30,000.	720,268	1.22	94.87	627,567	1.32	94.71	92,701	.80	95.57
\$30,000-\$40,000.	541,272	1.08	95.95	560,390	1.18	95.89	80,882	.70	96.27
\$40,000-\$50,000.	390,511	.66	96.61	314,689	.66	96.55	75,622	.65	96.92
\$50,000-\$100,000.	208,485	1.53	98.14	175,017	1.58	98.13	153,468	1.33	98.25
\$100,000-\$250,000.	539,006	.91	99.05	440,554	.92	99.05	98,452	.85	99.10
\$250,000-\$500,000.	264,498	.45	99.50	200,174	.42	99.47	64,324	.56	99.66
\$500,000-\$1,000,000.	134,803	.23	99.73	110,954	.23	99.70	23,849	.21	99.87
\$1,000,000 and over--	157,237	.27	100.00	142,650	.30	100.00	14,587	.13	100.00

17The estimates cover all consumers with the exception of 2,000,000 persons living in institutions or quasi-institutional groups. A family is defined as 2 or more persons sharing a common income and living under common roof. Single individuals include persons occupying rooming houses and hotels, living as lodgers or servants in private homes, or maintaining independent living quarters as 1-person families. Income includes the total net money income received during the year by all members of the economic family plus the value of certain items of nonmoney income, such as the occupancy of an owned home and food produced by rural families for their own use. The estimates apply to the 12-month period from July 1935 through June 1936.

Source: National Resources Committee—Report on "Consumer Incomes in the United States—their distribution in 1935-36."

No. 355. CONSUMER EXPENDITURES AGGREGATE AND AVERAGE OUTLAY OF FAMILIES AND SINGLE INDIVIDUALS FOR CONSUMPTION, GIFTS AND PERSONAL TAXES, AND SAVINGS, BY INCOME LEVEL: 1935-36

NOTE. These figures are estimates based primarily on sample data collected in the Study of Consumer Purchases (see headline, table 354), supplemented by data from various other sources. The estimates apply to the 12-month period from July 1935 through June 1936, and cover all families and single individuals in the United States. A family is defined as two or more persons sharing a common income and living under the same roof. Single individuals include persons lodging in rooming houses and hotels, living as lodgers or servants in private homes, or maintaining independent living quarters as 1-person families.

INCOME LEVEL	FAMILIES AND SINGLE INDIVIDUALS <sup>1</sup>		INCOME <sup>2</sup>					
			Aggregate		Percentage for-			
	Number	Per cent	Amount		Average per consumer unit	Current consumption <sup>3</sup>	Gifts and personal taxes <sup>4</sup>	Savings <sup>5</sup>
			(millions of dollars)	Per cent				
All levels.	39,458,300	100.0	59,259	100.0	\$1,502	84.7	5.2	10.1
Under \$500.	6,710,911	17.0	2,061	3.5	307	136.8	2.0	-38.8
\$500-\$750.	5,771,960	14.6	3,615	6.1	626	107.5	3.0	-10.5
\$750-\$1,000.	5,876,078	14.9	5,130	8.6	873	101.5	3.4	-4.9
\$1,000-\$1,250.	4,990,995	12.7	5,589	9.4	1,120	98.1	3.6	-1.7
\$1,250-\$1,500.	3,743,428	9.5	5,109	8.6	1,365	94.1	4.0	1.9
\$1,500-\$1,750.	2,889,904	7.3	4,661	7.9	1,613	91.8	4.0	4.2
\$1,750-\$2,000.	2,296,022	5.8	4,214	7.1	1,835	90.0	4.2	5.8
\$2,000-\$2,500.	2,958,611	7.5	6,572	11.1	2,221	86.7	4.4	8.9
\$2,500-\$3,000.	1,475,474	3.7	4,005	6.8	2,714	83.6	4.4	12.0
\$3,000-\$4,000.	1,354,078	3.4	4,599	7.8	3,396	79.0	4.9	16.1
\$4,000-\$5,000.	464,191	1.2	2,045	3.4	4,405	73.1	5.7	21.2
\$5,000-\$10,000.	595,908	1.5	4,092	6.9	6,867	63.6	6.6	29.8
\$10,000-\$15,000.	152,682	.4	1,747	3.0	11,442	53.0	8.1	38.9
\$15,000-\$20,000.	67,923	.2	1,175	2.0	17,293	51.7	8.1	40.2
\$20,000 and over.	110,135	.3	4,645	7.8	42,175	35.1	14.1	50.8

## OUTLAY FOR-

INCOME LEVEL	Current consumption <sup>3</sup>		Gifts and personal taxes <sup>4</sup>		Savings <sup>5</sup>	
	Aggregate		Aggregate		Aggregate	
	Amount (millions of dollars)	Per cent	Amount (millions of dollars)	Per cent	Amount (millions of dollars)	Per cent
All levels.	50,214	100.0	\$1,273	3,067	100.0	8151
Under \$500.	2,817	5.6	420	44	1.4	6
\$500-\$750.	3,888	7.8	673	109	3.6	19
\$750-\$1,000.	5,209	10.4	886	175	5.7	30
\$1,000-\$1,250.	5,487	10.9	1,099	199	6.5	40
\$1,250-\$1,500.	4,807	9.6	1,285	207	6.7	55
\$1,500-\$1,750.	4,278	8.5	1,480	187	6.1	65
\$1,750-\$2,000.	3,794	7.6	1,652	175	5.7	76
\$2,000-\$2,500.	5,695	11.3	1,925	290	9.4	98
\$2,500-\$3,000.	3,348	6.7	2,269	175	5.7	119
\$3,000-\$4,000.	3,631	7.2	2,681	226	7.4	167
\$4,000-\$5,000.	1,494	3.0	3,219	117	3.8	252
\$5,000-\$10,000.	2,604	5.2	4,369	270	8.8	953
\$10,000-\$15,000.	925	1.8	6,060	143	4.7	1,403
\$15,000-\$20,000.	607	1.2	8,937	95	3.1	473
\$20,000 and over.	1,630	3.2	14,799	655	21.4	2,360

Excludes residents in institutional groups.

<sup>1</sup> Includes the total net money income received during the year by all members of the economic family and by single individuals, plus the imputed value of the following nonmoney items: their own use: fuel homes, rented farm homes, and rent-free homes; food produced by rural families for use obtained free by farm families.

<sup>2</sup> Includes, in addition to goods and services purchased during the year, the imputed value of the non-money items mentioned in note 2. All purchases of durable consumer goods, except payments on homes and improvements to homes, are considered current expenditures for the year. Automobile expenditures cover purchase and operating costs for family and personal use only, excluding costs chargeable to business use.

<sup>3</sup> Gifts include gifts made to persons outside the economic family, to churches and other religious organizations, and to welfare agencies. Taxes cover only personal income taxes, sales taxes, excise taxes are included and consumption expenditures. Business taxes and taxes on income-producing property are deducted in calculating net income.

<sup>4</sup> Habilities, exclusive of gains or losses from revaluation of assets.

<sup>5</sup> These estimates represent net changes in family and personal assets as average net deficits for the year, the surpluses of some families are offset by the deficits of other families.



No. 357. CONSUMER EXPENDITURES AGGREGATE AND AVERAGE DISBURSEMENTS OF FAMILIES AND SINGLE INDIVIDUALS, BY MAIN CATEGORIES: 1935-36

NOTE: See acadnote, table 355

CATEGORY OF DISBURSEMENT	DISBURSEMENTS			PERCENTAGE OF		PERCENTAGE OF AGGREGATE DISBURSEMENT FOR EACH CATEGORY MADE BY-	
	Aggregate (millions of dollars)	Average (dollars)	Per consumer unit	Total consumer income <sup>2</sup>	Total consumption expenditures	Families	Single individuals
All items.	59,259	1,502	470	100.0		80.5	19.5
Current consumption <sup>3</sup>	50,214	1,273	399	84.7	100.0	81.3	18.7
Food.	16,865	428	134	28.5	33.6	81.3	18.7
Purchased.	14,753	374	117	24.9	29.4	78.6	21.4
Home-produced <sup>4</sup>	2,112	54	17	3.6	4.2	100.0	
Housing.	9,506	241	76	16.0	18.9	76.7	23.3
Money expense.	7,125	181	57	12.0	14.2	69.9	30.1
Imputed value.	2,381	60	19	4.0	4.7	97.0	3.0
Eloushold operation.	5,285	134	42	8.9	10.6	90.1	9.9
Clothing.	5,261	133	42	8.9	10.5	78.6	21.4
Automobile.	3,781	96	30	6.4	7.6	88.7	11.3
Medical care.	2,205	56	18	3.7	4.4	84.9	15.1
Recreation.	1,643	42	13	2.8	3.3	74.0	26.0
Furnishings.	1,422	36	11	2.4	2.8	97.7	2.3
Personal care.	1,032	26	8	1.7	2.0	80.5	19.5
Tobacco.	966	24	8	1.6	1.9	78.2	21.8
Transportation other than automobile.	884	22	7	1.5	1.7	52.4	47.6
Reading.	551	14	4	.9	1.1	70.4	29.6
Education.	506	13	4	.9	1.0	89.3	10.7
Other items.	307	8	2	.5	.6	71.7	28.3
Gifts <sup>5</sup>	2,178	55	17	3.7		60.8	39.2
Personal taxes <sup>5</sup>	889	23	7	1.5		79.2	20.8
Savings <sup>6</sup>	5,978	151	47	10.1		80.4	19.6

Excludes residents in institutional groups.

<sup>1</sup> Includes the total net money income received during the year by all members of the economic family and by single individuals, plus the imputed value of the following nonmoney items: Occupancy of owned homes, rented farm homes, and rent-free homes; food produced by rural families for their own use; fuel and ice obtained free by farm families.

<sup>3</sup> Includes, in addition to goods and services purchased during the year, the imputed value of the non-money items mentioned in note 2. All purchases of durable consumer goods, except payments on homes and improvements to homes, are considered current expenditures for the year. Automobile expenditures cover purchase and operating costs for family and personal use only, excluding costs chargeable to business use.

Figures cover rural families only.

<sup>4</sup> Gifts include gifts made to persons outside the economic family, to churches and other religious organizations, and to welfare agencies. Taxes cover only personal income taxes, poll taxes, and certain minor personal property taxes. Taxes on automobiles and on owned homes, and sales and excise taxes are included in consumption expenditures. Business taxes and taxes on income-producing property were deducted in calculating net income.

<sup>6</sup> These estimates represent net changes in family and personal assets or liabilities, exclusive of gains or losses from revaluation of assets. At the lower income levels they appear as average net deficits for the year, the surpluses of some families in the income group being more than offset by the deficits of other families.

Source: National Resources Committee, report on Consumer Expenditures in the United States.

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### 13. PRICES

GENERAL NOTE.—The wholesale-price index of the Department of Labor is based on primary market quotations of 784 commodities beginning 1926, 813 beginning January 1938, and 863 beginning March 1940; a smaller number of commodities was covered in earlier years. The price of each article is weighted by the approximate quantity marketed during a period approximating that covered by the index. Beginning with 1921, in computing indexes for commodity groups, articles falling under more than one of the classifications were included under each classification. For example, articles produced on the farm which reach the consumer practically unchanged in form, such as potatoes, milk, and eggs, were included among both farm products and foodS. However, in computing the index for all commodities such articles were counted only once.

The retail-food-cost indexes presented in this section for periods beginning January 1935 are revised indexes based on the distribution of expenditures as shown by the 1934-36 study made by the Bureau of Labor Statistics of expenditures of wage earners' and lower salaried workers' families. Differences in changes in retail-food costs as shown by the revised, as compared with the unrevised, data are due largely to the relatively greater importance of citrus fruits and green vegetables and the lesser importance of cereals, potatoes, and apples in the revised index. The revised indexes are computed from prices of 54 foods. Aggregate costs of 54 foods in each of 51 cities, weighted to represent total purchases, have been combined for the United States with the use of population weights. In accordance with a recommendation of the Central Statistical Board, Bureau of the Budget, an average for the years 1935-39 is being used as a base in presenting these revised indexes of food costs. Indexes for all periods prior to January 1935 are converted from indexes computed for corresponding periods on the 1923-25

The farm-price index is based on prices paid to producers for major crops and, beginning 1924, also 13 commercial truck crops. Average quotations for the period August 1909-July 1914 are used as a base, and each price series is weighted by the average annual marketings of farmers in the years 1924 to 1929,

#### No. 361. PRICES, WHOLESALE, RETAIL, AND FARM INDEXES, BY MONTHS: 1924 TO 1940

FEAR	Yearly average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Wholesale prices</b> (1924 avg.=100):													
1924.	98.1	99.6	99.7	98.5	97.3	95.9	94.9	95.6	97.0	97.1	98.2	99.1	101.5
1925.	103.5	102.9	104.0	104.2	101.9	101.6	103.0	104.3	103.9	103.4	103.6	104.5	103.4
1926.	100.0	103.2	102.0	100.6	100.3	100.5	100.4	99.5	99.1	99.7	99.4	98.4	97.9
1927.	95.4	96.5	95.8	94.7	94.1	94.2	94.1	94.3	95.2	96.3	96.6	96.3	96.4
1928.	96.7	96.4	95.8	95.5	96.6	97.5	96.7	97.4	97.6	98.6	96.7	95.8	95.8
1929.	95.3	95.9	95.4	96.1	95.5	94.7	95.2	96.5	96.3	96.1	95.1	93.5	93.3
1930.	86.4	92.5	91.4	90.2	90.0	88.8	86.8	84.4	84.3	84.4	83.0	81.3	79.6
1931.	73.0	78.2	76.8	76.0	74.8	73.2	72.1	72.0	72.1	71.2	70.3	70.2	68.6
1932.	64.8	67.3	66.3	66.0	65.5	64.4	63.9	64.5	65.2	65.3	64.4	63.9	62.6
1933.	65.9	61.0	59.8	60.2	60.4	62.7	65.0	68.9	69.5	70.8	71.2	71.1	70.8
1934.	74.9	72.2	(3.6	73.7	73.3	73.7	74.6	74.8	76.4	77.6	76.5	76.5	76.9
1935.	80.0	78.8	79.5	79.4	80.1	80.2	79.8	79.4	80.5	80.7	80.5	80.6	80.9
1936.	80.8	80.6	80.6	79.6	79.7	78.6	79.2	80.5	81.6	81.6	81.5	82.4	84.2
1937.	86.3	85.9	86.3	87.8	88.0	87.4	87.2	87.9	87.5	87.4	85.4	83.3	81.7
1938.	78.6	80.9	79.8	79.7	78.7	78.1	78.3	78.8	78.1	78.3	77.6	77.5	77.0
1939.	77.1	76.9	75.9	76.7	76.2	76.2	75.6	75.4	75.0	79.1	79.4	79.2	79.2
1940.		79.4	78.7	78.4	78.6	78.4	77.5						
<b>Retail food prices</b> (1935-1939 avg.=100):													
1929.	132.6	130.0	129.6	128.4	127.7	129.7	131.3	134.9	136.9	136.7	136.3	135.2	133.9
1930.	126.1	132.4	131.0	129.2	130.8	123.9	128.2	123.4	122.4	124.5	123.8	120.5	116.6
1931.	103.8	113.0	108.9	107.7	106.2	104.6	102.1	102.2	102.5	102.1	101.2	99.0	96.5
1932.	86.4	92.2	89.2	89.5	89.0	86.7	85.6	86.5	84.9	84.4	84.0	83.1	82.0
1933.	84.1	79.2	76.1	75.7	76.1	79.1	82.2	88.9	91.2	91.1	90.7	89.8	87.8
1934.	93.5	89.4	92.0	92.3	91.5	92.4	93.2	93.3	94.2	97.8	96.2	95.2	94.5
1935.	100.4	98.4	100.4	99.7	101.9	101.3	100.5	99.4	99.4	100.5	100.0	101.3	102.1
1936.	101.4	101.5	100.1	98.5	98.4	98.1	101.7	102.6	104.0	104.8	103.0	101.9	101.6
1937.	105.3	103.1	103.6	105.0	105.1	106.1	106.0	106.3	106.9	107.9	106.5	104.1	102.7
1938.	97.8	99.7	97.3	97.5	93.4	97.5	98.2	98.5	97.5	98.1	97.1	95.2	97.2
1939.	95.2	95.8	94.8	94.6	94.2	94.0	93.6	94.3	93.5	98.4	97.6	96.7	94.9
1940.		94.8	96.6	95.6	96.2	97.0	98.3	97.4					
<b>Farm prices (Aug. 1909-July 1914=100):</b>													
1924.	143	148	147	140	139	137	138	139	147	141	147	145	148
1925.	156	155	154	156	152	152	156	158	160	155	156	156	155
1926.	145	153	152	149	151	150	148	144	141	143	138	138	135
1927.	139	133	132	131	131	134	138	139	142	148	148	147	147
1928.	149	149	144	145	148	155	150	152	145	149	148	146	147
1929.	146	147	145	146	144	142	142	147	152	150	149	145	147
1930.	126	145	140	135	136	134	131	120	118	120	113	110	104
1931.	87	101	95	97	97	92	86	86	82	80	77	79	75
1932.	65	71	68	69	67	63	58	63	65	66	64	62	63
1933.	70	60	55	55	58	68	71	83	79	80	78	80	78
1934.	90	77	83	84	82	82	86	87	96	103	102	101	101
1935.	108	107	111	108	111	108	104	102	106	107	109	108	110
1936.	114	109	109	104	105	103	107	115	124	124	121	120	126
1937.	121	131	127	128	130	128	124	125	123	118	112	107	104
1938.	95	102	97	96	94	92	92	95	92	95	95	94	96
1939.	93	94	92	91	89	90	89	89	88	98	97	97	96
1940.		99	101	97	98	98	95						

Sources: Wholesale and retail prices, Department of Labor, Bureau of Labor Statistics; data published currently in "Wholesale Prices" and "Retail Prices"; farm prices, Department of Agriculture, Bureau of Agricultural Economics; Annual Report, Agricultural Statistics; data published currently in "Crops and Markets."

No. 362.- PRICES, WHOLESALE-INDEXES, BY MAJOR COMMODITY GROUPS:  
1890 TO 1940

NOTE.—See general note, page 322. For indexes for all commodities for prior years, see table 363. For index numbers (based on 1910-14 as 100) showing price changes in farm products and foods compared with all other commodities compined, see table 638., 673

[1926=100]

PERIOD	All com- modi- ties	Farm prod- ucts	Foods	Hides and leather prod- ucts	Tex- tile prod- ucts	Fuel and light- ing	Metals and metal prod- ucts	Build- ing mate- rials	Chem- icals and allied prod- ucts!	House fur- nish- ing goods	Miscel- lane- ous
1890.	56.2	50.4	55.5	47.5	57.8	38.1	105.3	46.5	73.2	49.9	97.9
1891	55.8	54.2	54.8	47.9	54.6	37.0	92.2	44.2	74.0	50.4	94.3
1892.	52.2	49.5	51.0	47.2	55.2	34.8	84.0	41.7	74.6	48.1	86.6
1893.	53.4	51.3	54.7	45.1	54.1	35.3	76.8	41.6	72.7	48.1	89.0
1894.	47.9	44.6	48.2	43.0	46.1	34.3	65.7	39.8	65.5	45.3	86.4
1895.	48.8	43.9	47.3	49.4	44.3	40.3	70.4	38.8	64.7	43.5	88.9
1896.	46.5	39.6	44.1	45.2	43.1	39.5	71.2	38.9	65.0	43.4	90.2
1897.	46.6	42.5	45.5	45.9	42.9	33.9	65.0	37.4	70.9	42.5	92.5
1898.	48.5	44.9	47.8	48.3	44.9	34.5	63.3	39.6	77.4	44.0	93.4
1899.	52.2	45.8	47.7	49.4	47.7	41.2	100.0	43.6	81.1	45.0	97.4
1900.	56.1	50.5	50.8	49.4	53.3	46.3	98.0	46.2	82.1	48.9	102.0
1901	55.3	52.8	50.5	48.9	48.1	44.6	93.1	44.3	84.2	48.9	93.4
1902.	58.9	58.4	53.3	50.8	49.4	51.8	91.0	45.3	86.5	49.2	88.1
1903.	59.6	55.6	52.0	49.9	52.8	60.3	90.2	46.7	84.1	50.9	98.9
1904.	59.7	58.5	54.0	49.7	52.9	53.3	79.9	45.0	84.1	50.3	109.5
1905.	60.1	56.4	55.1	53.9	54.1	49.6	89.1	48.1	82.3	49.7	117.4
1906.	61.8	57.3	53.4	57.7	58.7	52.0	102.4	54.0	76.8	51.3	115.3
1907.	65.2	62.2	57.0	58.0	63.5	54.4	109.8	56.8	78.5	55.0	108.2
1908.	62.9	62.2	58.7	55.6	54.8	53.7	86.3	52.0	79.6	51.6	97.8
1909.	67.6	69.6	62.6	61.5	56.5	51.6	84.5	53.7	79.9	51.7	129.6
1910.	70.4	74.3	64.9	60.2	58.4	47.6	85.2	55.3	82.0	54.0	152.7
1911.	64.9	66.8	62.0	58.8	55.5	46.7	80.8	55.3	81.6	52.7	108.6
1912.	69.1	72.6	66.8	64.5	55.7	51.4	89.5	55.9	80.7	53.0	106.4
1913.	69.8	71.5	64.2	68.1	57.3	61.3	90.8	56.7	80.2	56.3	93.1
1914.	68.1	71.2	64.7	70.9	54.6	56.6	80.2	52.7	81.4	56.8	89.9
1915.	69.5	71.5	65.4	75.5	54.1	51.8	86.3	53.5	112.0	56.0	86.9
1916.	85.5	84.4	75.7	93.4	70.4	74.3	116.5	67.6	160.7	61.4	100.6
1917.	117.5	129.0	104.5	123.8	98.7	105.4	150.6	88.2	165.0	74.2	122.1
1918.	131.3	148.0	119.1	125.7	137.2	109.2	136.5	98.6	182.3	93.3	134.4
1919.	138.6	157.6	129.5	174.1	135.3	104.3	130.9	115.6	157.0	105.9	139.1
1920.	154.4	150.7	137.4	171.3	164.8	163.7	149.4	150.1	164.7	141.8	167.5
1921	97.6	88.4	90.6	109.2	94.5	96.8	117.5	97.4	115.0	113.0	109.2
1922.	96.7	93.8	87.6	104.6	100.2	107.3	102.9	97.3	100.3	103.5	92.8
1923.	100.6	98.6	92.7	104.2	111.3	97.3	109.3	108.7	101.1	108.9	99.7
1924.	98.1	100.0	91.0	101.5	106.7	92.0	106.3	102.3	98.9	104.9	93.6
1925.	103.5	109.8	100.2	105.3	108.3	96.5	103.2	101.7	101.8	103.1	109.0
1926.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1927.	95.4	99.4	96.7	107.7	95.6	88.3	96.3	94.7	96.1	97.5	91.0
1928.	96.7	105.9	101.0	121.4	95.5	84.3	97.0	94.1	95.0	95.1	85.4
1929.	95.3	104.9	99.9	109.1	90.4	83.0	100.5	95.4	94.0	94.3	82.6
1930.	86.4	88.3	90.5	100.0	80.3	78.5	92.1	89.9	88.7	92.7	77.7
1931	73.0	64.8	74.6	86.1	66.3	67.5	84.5	79.2	79.3	84.9	69.8
1932.	64.8	48.2	61.0	72.9	54.9	70.3	80.2	71.4	73.9	75.1	64.4
1933.	65.9	51.4	60.5	80.9	64.8	66.3	79.8	77.0	72.1	75.8	62.5
1934.	74.9	65.3	70.5	86.6	72.9	73.3	86.9	86.2	75.3	81.5	69.7
1935.	80.0	78.8	83.7	89.6	70.9	73.5	86.4	85.3	79.0	80.6	68.3
1936.	80.8	80.9	82.1	95.4	71.5	76.2	87.0	86.7	78.7	81.7	70.5
1937.	86.3	86.4	85.5	104.6	76.3	77.6	95.7	95.2	82.6	89.7	77.8
1938.	78.6	68.5	73.6	92.8	66.7	76.5	95.7	90.3	77.0	86.8	73.3
1939.	77.1	65.3	70.4	95.6	69.7	73.1	94.4	90.5	76.0	86.3	74.8
1939											
January.	76.9	67.2	71.5	93.1	65.9	72.8	94.4	89.5	76.1	85.4	73.2
February	76.9	67.2	71.5	91.9	66.1	73.0	94.3	89.6	75.8	85.2	73.5
March.	76.7	65.8	70.2	91.8	66.6	73.1	94.3	89.8	76.0	85.2	74.1
April	76.2	63.7	68.6	90.9	66.9	73.4	94.0	89.6	75.6	85.4	74.4
May.	76.2	63.7	68.2	91.6	67.5	73.9	93.5	89.5	75.6	85.5	74.2
June.	75.6	62.4	67.6	92.3	67.3	73.0	93.2	89.5	75.2	85.6	73.8
July.	75.4	62.6	67.5	92.5	67.6	72.8	93.2	89.7	74.5	85.6	73.4
August	75.0	61.0	67.2	92.7	67.8	72.6	93.2	89.6	74.2	85.6	73.3
September.	79.1	68.7	75.1	98.5	71.7	72.8	94.8	90.9	76.6	86.6	76.6
October.	79.4	67.1	73.3	104.6	75.5	73.9	95.8	92.8	77.6	87.8	77.6
November.	79.2	67.3	72.3	104.0	76.4	74.1	96.0	93.0	77.4	88.4	77.0
December.	79.2	67.6	71.9	103.7	78.0	72.8	96.0	93.0	77.7	88.5	77.4
1940											
January.	79.4	69.1	71.7	103.6	77.9	72.7	95.8	93.4	77.7	87.9	77.7
February	78.7	68.7	71.1	102.4	75.4	72.4	95.3	93.2	77.5	88.0	77.3
March.	78.4	67.9	70.2	101.8	74.0	72.2	95.5	93.3	77.0	88.0	76.9
April.	78.6	69.4	71.6	101.8	72.9	71.8	94.5	92.5	76.8	88.4	77.7
May	78.4	67.9	71.4	101.3	72.9	71.7	94.5	92.5	76.7	88.5	77.7
June.	77.5	66.2	70.3	99.2	72.6	71.4	94.7 -	92.4	76.1	88.5	77.3

1 Prior to 1926 "chemicals and drugs." Indexes for the 2 groups are not strictly comparable.

Source: Department of Labor, Bureau of Labor Statistics; data published currently in "Wholesale Prices."

No. 363. PRICES, WHOLESALE INDEXES: 1860 TO 1889

NOTE. 1926=100. Indexes are arithmetic averages unweighted relative prices, published in 1893 by the Committee on Finance, United States Senate, on a 1860 base, recomputed to the 1926 base by the Bureau of Labor Statistics, Department of Labor

YEAR	General index	YEAR	General index	YEAR	General index
1860.	61	1870.	87	1880.	65
1861.	61	1871.	83	1881.	64
1862.	72	1872.	84	1882.	66
1863.	90	1873.	84	1883.	65
1864.	116	1874.	81	1884.	60
1865.	132	1875.	78	1885.	57
1866.	116	1876.	72	1886.	56
1867.	105	1877.	68	1887.	56
1868.	98	1878.	62	1888.	57
1869.	94	1879.	59	1889.	57

No. 364. PRICES, WHOLESALE INDEXES, BY SUBGROUPS OF COMMODITIES: 1913 TO 1940.

NOTE. 1926=100. Each of the 10 groups covered by table 362 divided into from 2 to 12 subgroups. See also general note, p. 322, regarding commodities included in 2 groups. Prices 1913 to 1940 calculating indexes for farm products do not include processing taxes in effect from July 1933 to Jan. 6, 1936

SUBGROUP	1913	1923-1925	1929	1936	1937	1938	1939	1938	1939	1940
								Dec.	June	Dec. June
Grains.	71.1	102.3	97.4	88.3	98.3	60.6	58.6	54.4	58.2	71.6 64.4
Livestock and poultry-	73.3	85.3	106.1	84.7	965.5	79.0	72.2	74.4	69.4	63.8 64.7
Other farm products.	70.8	115.1	106.6	76.0	77.2	63.9	62.6	66.5	58.8	68.4 67.0
Dairy, products.	65.9	99.7	105.6	83.9	83.1	72.8	69.5	73.9	60.0	81.3 72.2
Cereal products.			88.0	86.2	87.6	78.4	74.8	74.8	75.9	80.5 77.4
Fruits and vegetables.			97.8	71.9	74.2	58.2	62.0	60.4	62.5	63.0 73.9
Meats.	59.8	81.7	109.1	87.8	99.1	83.3	77.2	79.9	75.7	69.1 70.7
Other foods.	65.9	101.4	93.9	75.9	75.6	67.5	64.1	69.2	60.8	66.5 61.3
Shoes.	54.5	99.3	105.3	99.8	105.0	102.2	102.6	100.6	101.3	107.5 107.9
Edges and skins.	105.8	115.5	112.7	94.5	113.5	73.6	84.6	78.8	75.3	105.2 81.9
Leather.	69.1	102.9	113.2	85.6	96.8	83.7	87.5	85.9	83.8	95.2 92.4
Other leather prod- ucts.	50.8	103.4	106.4	95.5	102.6	98.5	97.1	95.8	95.6	100.0 100.0
Clothing.			90.0	81.1	87.9	82.9	82.0	81.6	81.7	84.2 85.3
Cotton goods.	58.0	113.9	98.8	80.3	84.3	65.4	67.2	64.6	64.1	75.2 68.4
Hosiery and under- wear.			88.5	61.2	65.1	60.3	61.4	59.3	60.1	66.0 61.6
Rayon.			68.4	31.8	33.3	28.9	28.8	28.5	28.5	29.5 29.5
Silk.			82.7	31.5	32.7	29.6	46.1	31.5	43.3	66.0 46.1
Woolen and worsted goods.	53.7	108.2	88.3	82.9	91.1	77.4	79.8	74.8	75.6	90.3 83.7
Other textile products-	62.7	89.5	93.1	67.0	68.4	65.5	69.2	64.4	64.2	84.2 74.0
Anthracite.	58.9	99.7	90.1	80.5	77.8	78.0	75.8	80.1	75.5	76.1 77.1
Bituminous coal.	38.1	103.2	91.3	97.4	98.6	99.0	97.5	98.5	95.6	97.8 95.7
Coke.	46.3	104.6	84.6	94.7	103.1	104.8	105.6	104.2	104.2	109.9 109.6
Electricity.			94.5	83.4	80.4	84.9	78.6	82.7	77.8	77.7 74.2
Cras(mfd. and natural).	78.1	103.2	93.1	85.2	82.4	86.1	84.1	81.6	88.9	80.4 87.4
Petroleum and prod- ucts.	73.3	87.0	71.3	57.3	60.5	55.9	52.2	50.9	52.5	52.5 50.0
Agricultural imple- ments.	72.9	101.6	98.7	94.2	94.0	95.5	93.4	93.5	93.4	93.3 92.5
Iron and steel.	70.9	109.6	94.9	87.6	98.2	98.6	95.8	96.8	95.2	96.1 94.3
Motor vehicles.			100.0	83.3	89.3	95.4	93.4	93.4	93.0	94.7 94.8
Nonferrous metals.	88.9	96.6	106.1	71.6	89.6	72.8	78.0	76.8	72.9	84.6 81.2
Plumbing and heating.			95.0	75.0	78.8	78.5	79.2	78.7	79.3	79.3 80.5
Brick and tile.	38.9	102.4	94.3	88.7	93.5	91.0	91.4	91.5	91.1	91.6 90.2
Cement.			89.0	92.2	89.0	90.3	91.3	90.6	91.5	91.3 90.6
Lumber.	54.0	103.9	93.8	84.5	99.0	90.4	93.4	90.9	90.7	97.8 96.0
Paint and paint ma- terials.	50.8	103.4	94.9	80.1	83.4	81.3	82.8	81.0	82.4	85.5 85.2
Flumbing and neatng.			95.0	75.0	78.8	78.5	79.2	78.7	79.3	79.3 80.5
Structural steel.	77.1	113.4	98.1	95.0	113.2	111.0	107.3	107.3	107.3	107.3 107.3
Other building mate- rials.	63.1	103.3	97.7	90.2	99.1	92.7	96.3	89.7	89.5	92.7 93.0
Chemicals.			99.7	87.9	88.2	86.4	84.7	85.4	84.2	85.3 85.1
Drugs and pharma- ceuticals.			66.8	80.1	86.6	79.0	78.2	78.2	77.4	80.3 82.2
Fertilizer materials.			95.6	63.3	69.0	67.0	67.9	67.3	66.5	70.9 67.4
Mixed fertilizers.			95.2	68.5	73.8	72.6	73.0	73.4	72.7	73.9 72.8
Oils and fats.			89.0	63.2	76.8	49.6	48.4	46.2	46.2	53.1 45.1
Furnishings.	47.9	103.5	93.6	85.3	93.4	90.8	91.1	90.3	90.0	94.4 94.9
Furniture.	70.7	100.7	95.0	78.0	85.9	82.8	81.3	81.6	81.0	82.4 81.7
Auto tires and tubes.	207.2	100.2	54.5	47.2	55.8	57.7	59.5	58.8	60.5	55.6 58.2
Cattle feed.	82.2	113.8	121.6	94.4	110.5	76.9	83.3	76.6	81.5	91.7 80.0
Paper and pulp.	59.4	102.9	88.9	80.7	91.7	85.0	82.4	80.9	79.9	89.0 91.7
Eubber, crude.	170.2	88.5	42.3	34.2	40.5	30.5	37.2	33.9	34.4	42.4 46.3
Other miscellaneous.	64.4	100.8	98.4	81.1	84.7	81.5	82.6	81.1	81.3	86.6 83.7

Source of tables 363 and 364: Department of Labor, Bureau of Labor Statistics; table 363, data published in "Wholesale Prices," No. 572; table 364, data published currently in "Wholesale Prices."

## No. 365.— PRICES, WHOLESALE, OF LEADING COMMODITIES: 1923 TO 1939

NOTE.—This list is a selection from among the 863 commodities entering into the general index of wholesale prices of the Department Labor (see general note, p. 322). For weights of the bushel and barrel, except as noted, see Appendix F, 1923

COMMODITY	Unit	AVERAGE PRICE						
		1925	1929	1935	1936	1937	1938	1939
I.—FARM PRODUCTS								
Barley, malting, Minneapolis.	Bushel.	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Corn, No. 2 yellow, Chicago.	do.		0.609	0.702	0.729	0.809	0.496	0.428
Corn, No. 3 yellow, Chicago.	do.		.952	.832	.859	1.044	.554	.507
Oats, No. 2, white, Chicago.	do.		.938	.815	.847	1.025	.542	.499
Rye, No. 2, Chicago.	do.		.473	.486	.417	.383	.437	.345
Wheat, No. 2, red winter, Chicago.	do.		.932	1.016	.577	.779	.977	.578
Wheat, No. 2, hard, Kansas City.	do.		1.407	1.304	1.967	1.097	1.219	.778
Wheat, No. 1, northern spring, Minneapolis.	do.		1.338	1.180	11.040	1.123	1.201	.777
Wheat, No. 1, northern spring, Minneapolis.	do.		1.359	1.276	11.165	1.247	1.319	.865
Cattle, steers, good to choice, Chicago.	100lbs.		10.093	13.493	11.701	9.948	14.141	10.295
Hogs, good to choice, light Chicago.	do.		9.534	10.666	19.779	10.385	10.781	8.705
Lambs, native, fair to good, Chicago.	--do			13.689	8.670	9.500	10.441	8.083
Poultry, live fowls, Chicago.	Pound.		218	.273	185	.188	190	184
Cotton, middling, New Orleans.	--do		.265	.186	1.119	.120	.113	.087
Eggs, Arsts, Chicago.	Dozen.		339	.354	.251	.241	219	213
Eggs, trsts, New York.	do.		370	368	263	.252	.229	.225
Apples, medium grade, Seattle, Wash.	Box.				1.316	1.258	1.565	1.175
Oranges, choice, California, Chicago.	--do.		6.209	6.540	3.295	3.629	4.411	3.057
Hay, alfalfa, Kansas City.	Ton 2		22.199	24.566	17.076	16.313	19.063	15.914
Hay, timothy, No. 1, Chicago.	--do.2		24.055	20.394	19.029	15.971	17.596	14.519
Milk, fluid, Chicago.	100lbs.		3.001	2.955	2.259	1.872	2.079	1.745
Milk, fluid, New York.	do.		3.419	3.997	3.290	3.450	.159	2.957
Peanuts, Norfolk.	Pound.		.063	.049	.036	.035	3.040	.034
Flaxseed, Minneapolis.	Bushel.		2.653	2.766	1.753	1.943	2.126	1.922
Tobacco, leaf, warehouse sales	100lbs.			20.125	121.875	19.464	4.194	21.434
Potatoes, white, Chicago.	do.		1.645	1.606	.933	1.912	1.693	1.089
Wool, Ohio, medium grades, Boston.	Pound.--		.548	.467	.313	.409	.433	.294
II.—FOODS								
Butter, creamery, extra: Chicago.	do.		437	.437	.287	320	.332	.271
New York.	do.		.450	.449	.296	.330	.343	.278
San Francisco.	do.		.476	.458	.300	.336	.345	.283
Cheese, whole milk, Chicago.	do.		.219	.221	156	167	.172	.138
Milk, evaporated, New York.	Case".		3.984	3.867	2.916	3.256	3.211	3.016
Beef, tresh, carcass, steers, Chicago.	Pound.		.170	.231	.176	152	.211	.158
Lamb, fresh, Chicago.	do.		.258	.256	.156	169	.176	.160
Hams, Chicago.	do.		228	244	225	240	231	218
Pork, mess, New York.	Barrel (200lbs.)		31.055	30.370	29.891	31.530	32.414	27.084
Pork, bellies, cured, clear, Chicago.	Pound.				.174	142	154	.106
Pork, fresh composite price, Chicago.	do.		.161	.183	.192	.178	.182	.155
Poultry, dressed, Chicago.	do.			.324	.214	.218	.223	.218
Bread, Chicago.	do.		.075	.075	.069	.064	.058	.058
Bread, New York.	do.		.070	.066	.069	.060	.068	.072
Coffee, Rio No. 7, New York.	do.		1.62	.157	.072	.075	.088	.053
Salmon, canned, red, No. 1, tall, cannery.	Doz.cans.		2.645	2.709	1.840	2,231	2.380	2.182
Flour, short patents, Kansas City.	Barrel		7.160	6.535	6.625	5.844	5.969	4.788
Flour, standard patents, Minneapolis.	do.		7.468	6.786	7.676	6.836	6.716	5.306
Flour, patents, Portland, Ore.	do.		7.992	7.176	7.343	7.117	6.657	5.250
Raisins, seedless, packers.	Pound.			.046	.042	.045	.050	.039
Bananas, Honduras, New York.	Bunch.				2.802	2.653	2.512	2.526
Lard, prime, contract, New York.	Pound.		141	.120	.145	115	.117	.086
Oleomargarine, cartons, uncolored, Chicago.	do.			.250	.151	.153	.156	146
Rice, Blue Rose, New Orleans.	do.		.054	.038	.040	.040	.036	.033
Salt, American, medium, Chicago.	Barrel		2.389	2.214	2.513	2.488	2.543	2.750
Sugar, granulated, New York.	Pound.		.071	.051	.049	.048	.047	.045
Sugar, raw, 960, New York.	do.		.058	.038	.032	.036	.035	.029
Cottonseed oil, New York.	--do.		.110	"	097	104 I	.098	.092

Processing tax not included.

2 Ton of 2,000 pounds.

Case of dozen 143-ounce cans. Price for 1923-25 and 1929 computed from price of 16-ounce cans.

; Barrel of 280 pounds.

COMMODITY	Unit	AVERAGE PRICE						
		1923-1925	1929	1935	1936	1937	1938	1939
<b>III.-HIDES AND LEATHER PRODUCTS</b>								
Hides, packers, heavy, native steers, Chicago.	Pound.	0.158	0.171	0.130	0.139	0.172	0.118	0.123
Calfskins, packers, Chicago.	do.	.197	.209	.146	.183	.200	.136	.179
Goatskins, Brazil, New York.	do.	.811	.750	.567	.628	.718	.468	.470
<b>Leather:</b>								
Calf, chrome, B grade, tannery.	Sq. ft.						.376	.410
Glazed kid, top, grade, Boston.	do.	.681	.725	530	.572	.622	.567	.579
Side, black, chrome tanned, B grade, Boston.	do.	.266	.288	188	.196	.246	.190	.219
Sole, OKK, scoured backs, Boston.	Pound.	.480	.529	.344	.357	.415	.317	.320
<b>Bhoes:</b>								
Child's, oxford, factory.	Pair.			.896	.899	.924	.911	.988
Men's, black calf, lace, oxford.	do.		3.467	3.693	3.853	4.158	3.937	4.019
Women's, black, calf, blucher oxford.	do.					2.883	2.608	2.563
<b>IV.-TEXTILE PRODUCTS</b>								
<b>Cotton goods, mill:</b>								
Damask, table, mercerized, mill, 58-inch.	Yard.		.370	.386	.392	.411	.378	.381
Denims, 28-inch.	do.	.233	.181	.141	.132	.142	.103	.106
Drillings, brown, 30-inch.	do.			.115	.107	.113	.080	.084
Gingham, 32-inch.	do.		.125	.123	.109	.112	.097	.102
Muslin, bleached, series 1.	do.	.183	.174	.154	.148	.155	.128	.130
Print cloth, 27-inch.	do.	.070	.052	.049	.043	.048	.036	.036
Sheeting, bleached, series 1.	do.	.486	.419	.299	.306	.314	.249	.250
Sheeting, brown, series 1.	do.	.157	.125	.110	.097	.107	.076	.079
Yarn, carded, white, northern, 22/1 scans.	Pound.	.459	.358	.305	.295	.300	.230	.244
<b>Hosiery and underwear:</b>								
Hosiery, women's, pure silk.	Doz. prs.	12.337	3.313	5.241	5.144	5.452	5.116	5.433
Hosiery, men's, silk.	do.			2.117	2.070	2.091	2.000	2.129
Men's union suits, knitted.	Dozen			7.712	7.186	7.624	6.647	6.436
Rayon, 150 second quality, New York.	Pound.	2.136	1.180	.553	.566	.603	.502	.495
Silk, raw, Japan, 20-22 yellow, New York.	do.		4.880	1,554	1,747	1,762	1,583	2,615
<b>Woolen and worsted goods, mill:</b>								
Suiting serge, 15-ounce.	Yard.	2.478	1.961.	1.788	1,918	2,165	1,736	1,915
French serge, 54-inch 5	do.			1,015	1,103	1,193	1,068	1,059
Yarn, fine weaving, 2/50's.	Pound.	2.469	1.967	1,550	1,717	1,939	1,648	1,656
Thread, 6-cord.	Spool.	.033	.037	.021	.017	.020	.023	.023
<b>V.-FUEL AND LIGHTING</b>								
Coal, anthracite, chestnut.	Ton	12.376	11.505	9,590	9,735	9,372	9,445	9,143
Coal, bituminous, mine run	do.	4.387	3,953	4,242	4,272	4,294	4,327	4,311
Coke, Connellsville, furnace.	do.	4,378	2,780	3,567	3,676	4,384	3,967	4,091
Electricity	100kwh.		2,040	1,930	1,730	1,720	1,832	1,702
Manufactured gas.	1,000cu.ft.		.985	.965	.942	.929	.930	.909
Natural gas.	do.		.491	.517	.493	.479	.493	.487
Petroleum, crude, Kans.-Okla.	Barrel	1.519	1,233	.840	1,038	1,157	1,118	.954
Fuel oil, refinery, Pennsylvania	Gallon.	.056	.048	.040	.045	.044	.040	.042
Gasoline, refinery, Pennsylvania.	do.	.130	.091	.052	.056	.054	.049	.045

No. 365. - PRICES, WHOLESALE, OF LEADING COMMODITIES: 1923 TO 1939-Con.

COMMODITI	Unit	AVERAGE PRICE						
		1923-1925	1929	1935	1936	1937	1938	1939
YI-METALS, ETC.-continued								
Agricultural implements, factory:		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Cultivator, 1-row, riding.	Each.					48.289	849.820	47.783
Harrow, spike tooth.	do.			17.150	17.150	18.375	818.647	17.328
Plow, 2-horse.	do.			15.815	15.788	16.392	816.708	16.143
Separator, cream.	do.			65.002	66.827	68.488	69.659	66.324
Tractor, 2-plow.	do.						740.423	391.708
Motor trucks, weghted average of 34- to 372-ton capacity, priv. factory.	do-		971.575	742.948	740.562	782.997	863.505	859.564
VII-BUILDING MATERIALS								
Douglas fr. No. 1 common boards, mill.	1,000ft..	17.920	17.961	16.836	19.487	20.872	17.678	19.336
Maple, hard, No.1, Chicago.	do.	66.938	54.623	45.925	47.346	54.058	52.442	51.058
Oak,plain, whiteNo.1, Cincinnati.	do.	66.200	57.623	44.509	45.000	53.308	44.769	43.789
Pine, white, No.2, Buffalo.	do.			44.000	45.750	51.365	50.000	48.731
Pine, yellow, flooring, mill.	do.			36.621	37.467	44.828	41.332	40.701
Shingles, cedar, red, mill.	Square.			2.650	2.547	2.778	2.757	2.816
Brick, common, building, plant.	1,000.			11.768	11.737	12.048	11.996	12.046
Cement, Portland.	Barrel.	1.838	1.601	1.663	1.667	1.667	1.667	( )
Linseed oil, raw, New York.	Pound.	.134	.123	.094	.098	1.08	.090	.092
Whitelead, oil, New York.	do.	.141	.138	.110	.114	.128	1.15	1.23
Glass, plate to 10 sq.ft., N. Y.	Sq. ft.	638	385	260	268	.289	290	290
Glass, window single B, New York.	50sq.ft.			2.433	2.849	2.887	2.539	2.736
Lime, building, plant.	Ton2	9.586	7.987	7.208	7.099	7.120	7.154	7.097
VII.-CHEMICALS AND ALLIED PRODUCTS								
Acid, sulphuric, 66, works.	do.2	14,267	15.500	15,500	15,500	16.039	16,500	16,500
Alcohol, denatured, works.	Gallon.			.407	.377	.341	.336	.299
Ammonia, anhydrous, New York.	Pound.	.289	.140	.158	.160	.160	.160	.160
Soda ash, light, 58 percent, works.-	100lbs.		1.345	1.230	1.230	1.157	1.050	1.050
Soda, caustic, works.	do.	3.280	2.950	2.600	2,600	2.479	2.300	2.300
Tallow, packer's prime, Chicago.	Pound.	.088	.085	.070	.066	.082	.056	.054
Alcohol, grain, New York.	Gallon.	4.802	2.745	4.505	4.517	4.563	4.670	4.789
Phenol, U. S. P., works.	Pound.	.291	.138	1.43	.142	1.37	1.45	1.38
Superphosphate, Baltimore.	Ton2	8.732	9.731	7.870	7.606	8.164	7.868	7.654
Nitrate of soda, 95 percent, N. Y.	100lbs..	2,526	2,157	1.275	1.330	1.411	1.450	1.450
Sulphate of ammonia, Atlantic ports	Ton2			23.904	25.250	27.923	28.698	27.668
Fertilizers, mixed, South Atlantic, 3-8-3.	--do.		22.400	16.940	15.665	17.880	17.341	18.050
IX.-HOUSEFURNISEING GOODS								
Blankets, all wool, factory.	Pound.		1.333	1.201	1.306	1.489	1.240	1.265
Carpets, Brussels, factory.	Yard.		2.530	2.162	2.317	2.753	2.729	3.014
Sewing machines, electric.	Each.			63.054	64.625	68.467	67.833	67.553
Stoves, gas.	do.			56.188	59.544	68.665	74.316	73.753
Vacuum cleaners, slectric, without attachments.	do.	1120.090	14.725	10,936	10,143	10.143	10.143	10.143
Washing machines, electric, 2-speed, 6-sheet capacity, factory.	do.			30,839	33.165	29.948	29.948	29.453
X-MCELLANEOUS								
Bran, Minneapolis.	Ton2	24.546	26.594	20,498	21.642	25.976	16.784	18.716
Cottonseed meal, prime, Memphis.	do.2-	41.020	38.542	25.491	25.688	29.212	21,524	23.418
Middlings, standard, Minneapolis.	do..	25.850	27.741	21.759	23.899	28.113	17.591	19.728
Paper, newsprintrolls, destination, New York basis.	do.2		62.00	40.00	41.00	42.50	50.00	50.00
Paper, wrapping, manilla, No. 1, jute, New York.	100lbs.-	10.490	9.125	9,125	9.125	9.128	9.115	8.904
Wood pulp, sulphite, domestic, unbleached, mill.	do.				2.133	3.484	2.384	2,072
Rubber, plantation, ribbed, N. Y. Automobile tires, balloon, factory.	Pound.	434	.206	124	165	194	.147	.179
Cylinder oil, Oklahoma.	Each.			9.319	9.683	11.575	12.110	( )
Neutral oil, Pennsylvania.	Gallon.-	168	.266	.140	.167	1.76	.133	.147
Soap, laundry, bars, white, destination.	do.	264	269	.236	.211	.240	1.51	1.89
Starch, laundry, New York.	Pound.			.046	.046	.050	.047	.047
Tobacco, plug, New York.	do.	.056	.058	.658	658	658	.050	.650
Tobacco, smoking, 1-oz. bag, N. Y.	do.	.698	.696	642	642	642	.642	642
Cigarettes, destination.	Gross.	8.898	8.320	5.120	5,120	5.120	5.120	5.120
	1,000-		5.398	5.380	5.380	5.507	5.513	5.513

8 11-month average.

9 Data not available.

1 Owing to irregular changes in patterns announced by manufacturers, prices of individual articles of furniture are only roughly comparable from year to year and are not shown. 11 Average for 1924 and 1925.

Source: Department of Labor, Bureau of Labor Statistics; data published currently in "Wholesale Prices."

No. 366. PRICES, WHOLESALE INDEXES, ALL COMMODITIES AND BY ECONOMIC CLASSES: 1916 TO 1940

NOTE.— Figures in boxes indicate number of quotations. As originally published, Bradstreet's "Index" is the sum of the prices per pound of 96 commodities; Dun's represents the aggregate cost per capita of a year's supply of approximately 300 commodities included. In the following table, both series have been expressed in the percentage of 1926 by the Bureau of Foreign and Domestic Commerce. Indexes of the National Bureau of Economic Research for 1916 to 1928 are weighted geometric means for approximately 490 commodities (converted from a 1913 base to a 1929 base by the Bureau of Foreign and Domestic Commerce); for subsequent years they are weighted Arithmetic means for 680 price series, the weights being based upon the average value of production in 1927 and 1931. For method of computing the Department of Labor index, see general note, p. 322

YEAR	DEPARTMENT OF LABOR (1926=100)						NATIONAL BUREAU OF ECONOMIC RESEARCH (1929=100)				
	Brad- street's index (1926= 100)	Dun's index (1926= 100)	All com- mod- ities	Raw mate- rials	Semi- manu- factured prod- ucts	Manu- factured prod- ucts	All com- mod- ities	Pro- ducers' goods	Con- sumers' goods	Dura- ble goods	Non- dura- ble goods?
	96	300	8633	1113	993	6533	6804	4184	2924	2224	4694
1916-1920.	129.7	113.0	125.5	127.7	155.7	119.3	125.1	134.2	112.6		
1921-1925.	98.8	97.5	98.3	97.4	105.5	99.2	103.7	105.9	100.4		
1926.	100.0	100.0	100.0	100.0	100.0	100.0	103.4	103.8	102.7		
1927.	99.4	99.4	95.4	96.5	94.3	95.0	100.1	100.4	99.5		
1928.	102.4	103.1	96.7	99.1	94.5	95.9	101.3	101.6	100.8		
1929.	97.3	101.0	95.3	97.5	93.9	94.5	100.0	100.0	100.0	100.0	100.0
1930.	81.8	91.3	86.4	84.3	81.8	88.0	90.5	88.5	93.2	93.1	89.1
1931.	66.6	77.3	73.0	65.6	69.0	77.0	76.5	73.2	80.7	84.8	72.7
1932.	54.3	70.7	64.8	55.1	59.3	70.3	67.4	64.9	70.6	78.5	61.5
1933.	62.1	78.1	65.9	56.5	65.4	70.5	69.4	68.3	70.9	80.4	64.1
1934.	71.8	88.5	74.9	68.6	72.8	78.2	78.8	78.6	79.2	87.0	74.4
1935-	77.4	92.9	80.0	77.1	73.6	82.2	83.4	82.9	83.9	86.0	81.2
1936.	78.7	96.7	80.8	79.9	75.9	82.0	84.2	84.9	83.5	87.7	81.7
1937.	(5)		86.3	84.8	85.3	87.2	90.7	92.9	88.0	98.2	87.2
1938.	(5)	3	78.6	72.0	75.4	82.2	81.9	82.7	80.7	96.2	75.2
1939.	(5)	(8)	77.1	70.2	77.0	80.4	30.5	81.9	78.6	94.9	74.0
Jan.-June: 1939.			76.4	69.5	74.5	80.0	79.4	80.9	77.5	94.1	72.7
1940.	8	8	78.5	72.4	79.3	81.2	82.7	84.3	80.6	96.9	76.6

Formerly "Finished products."

2 Perishable and semidurable.

Effective March 1940. In earlier years a smaller number of commodities was included.

: Number of quotations used beginning 1929; see headnote regarding earlier years. The sum of the number of quotations for producers' and consumers' goods and for durable and nondurable goods is greater than the number of all commodities owing to duplication of certain price series in the classifications. For example, identical price quotations on flour are used in both producers' goods and consumers' goods.

6 Beginning December 1937, discontinued by reporting source.

No. 367. COST OF GOODS PURCHASED BY WAGE EARNERS AND LOWER-SALARIED WORKERS IN 33 LARGE CITIES COMBINED INDEXES: 1913 TO 1940

NOTE. 1935-39=100. Figures for food represent cities since June 1920 and smaller number in earlier years; other figures, 19 cities from 1913 to 1917, 32 cities from 1918 to 1934, and cities thereafter. Totals from 1913 to 1924 are weighted by relative importance of items as ascertained by country-wide study of family expenditures in 1917-19. Totals from 1930 to date are weighted by relative importance of items as ascertained by 8 study family expenditures in 1934-36. Totals for the intervening years, 1925 through 1929, are weighted by an average of the 1917-19 and the 1934-1936 expenditure data. Except for 1913, the annual average indexes for items other than food are estimates based on indexes compiled as of particular dates at regular intervals shown in the previous issues of this publication. They represent weighted averages of indexes for each pricing period affecting the year. For example, where goods were priced in June and December, the indexes for December of previous year were considered in arriving at the average of the year. The annual average food index is based on monthly indexes

YEAR AND MONTH	All items	Food	Clothing	Rent	Fuel, electricity, and ice	House-furnishings	Miscellaneous
1913.	70.7	79.9	69.3	92.2	61.9	59.1	50.9
1914.	71.8	81.8	69.8	92.2	62.3	60.7	51.9
1915.	72.5	80.9	71.4	92.9	62.5	63.6	53.6
1916.	77.9	90.8	78.3	94.0	55.0	70.9	56.3
1917.	91.6	116.9	94.1	93.2	72.4	82.8	65.1
1918.	107.5	134.4	127.5	94.9	84.2	106.4	77.8
1919.	124.5	152.1	168.7	102.7	91.1	134.1	87.6
1920.	143.2	168.5	201.0	120.7	106.9	164.6	100.5
1921	127.7	128.6	154.8	138.6	114.0	138.5	104.3
1922.	119.7	120.3	125.6	142.7	113.1	117.5	101.2
1923.	121.9	124.0	125.9	146.4	115.2	126.1	100.8
1924.	122.2	122.8	124.9	151.6	113.7	124.0	101.4
1925.	125.4	132.9	122.4	152.2	115.4	121.5	102.2
1925.	126.4	137.4	120.6	150.7	117.2	118.8	102.6
1927.	124.0	132.3	118.3	148.3	115.4	115.9	103.2
1928.	122.6	130.8	116.5	144.8	113.4	113.1	103.8
1929.	122.5	132.5	115.3	141.4	112.5	111.7	104.6
1930.	119.4	126.0	112.7	137.5	111.4	108.9	105.1
1931.	108.7	103.91	102.61	130.31	108.91	98.01	104.1

No. 367.— COST OF GOODS PURCHASED BY WAGE EARNERS AND LOWBR-SALARIED WORKERS IN 33 LARGE CITIES COMBINED- INDEXES: 1913 TO 1940- Continued

YEAR AND MONTH	All items	Food	Clothing	Rent	Utilities, and ice	House-furnishings	Miscellaneous
1932.	97.6	86.5	90.8	116.9	103.4	85.4	101.7
1933.	92.4	84.1	87.9	100.7	100.0	84.2	98.4
1934.	95.7	93.7	96.1	94.4	101.4	92.8	97.9
June.	95.3	93.0	96.6	94.0	100.3	92.9	97.9
November 15-	96.2	95.4	96.5	93.9	101.8	93.6	97.8
1935.	98.1	100.4	96.8	94.2	100.7	94.8	98.1
March 15.	97.8	99.7	96.8	93.8	102.1	94.2	98.1
October 15.	98.0	100.0	96.9	94.6	100.5	95.7	97.9
1936.	99.1	101.3	97.6	96.4	100.2	96.3	98.7
July 15.	99.4	102.6	97.2	96.5	99.1	95.9	98.7
December 15.	99.8	101.6	99.0	98.1	100.5	97.9	99.1
1937.	102.7	105.3	102.8	100.9	100.2	104.3	101.0
June 15.	102.8	106.0	102.5	101.0	99.2	104.3	100.9
December 15-	103.0	102.7	104.8	103.7	100.7	107.0	102.0
1938.	100.8	97.8	102.2	104.1	99.9	103.3	101.5
March 15.	100.9	97.5	102.9	103.9	101.2	104.7	101.6
June 15.	100.9	98.2	102.2	104.2	98.6	103.1	101.8
September 15.	100.7	98.1	101.4	104.2	99.3	101.9	101.6
December 15-	100.2	97.2	100.9	104.3	100.0	101.7	101.0
1939	99.4	95.2	100.5	104.3	99.0	101.3	100.7
March 15.	99.1	94.6	100.4	104.3	100.1	100.9	100.5
June 15.	98.6	93.6	100.3	104.3	97.5	100.6	100.4
September 15	100.6	98.4	100.3	104.4	98.6	101.1	101.1
December 15-	99.6	94.9	101.3	104.4	99.9	102.7	100.9
1940:							
March 15.	99.8	95.6	102.0	104.5	100.6	100.5	100.8
June 15.	100.5	98.3	101.7	104.6	98.6	100.1	100.6

No. 368.—COST OF GOODS PURCHASED BY WAGE EARNERS AND LOWER-SALABIED WORKERS IN EACH OF 33 LARGE CITIES - INDEXES: 1935 TO 1940  
[1935-39 average=100]

CITY	INDEX OF TOTAL COST OF GOODS PURCHASED FOR										INDEX, JUNE 15, 1940, FOR-			
	2		E		E		E		E		A		E	
	S		S		S		S		S		E		I	
	8	2	2	2	E	2	E	2	I	E	A	E	E	7
U.S. (33 cities)1	98.0	99.8	103.0	100.2	99.1	99.6	100.5	98.3	101.7	104.6	98.6	100.1	100.6	
Altanta.	99.8	100.9	102.6	100.0	98.8	98.7	98.5	93.2	102.3	104.3	96.5	97.7	100.0	
Baltimore.	98.9	99.7	101.9	100.0	99.6	98.9	100.5	98.7	101.5	104.1	97.3	101.2	100.6	
Birmingham.	98.3	100.9	104.1	100.4	99.1	99.5	99.0	92.0	102.5	113.8	89.8	96.9	100.1	
Boston.	99.2	99.3	102.2	98.8	98.1	97.9	100.0	98.9	100.9	100.5	104.0	97.7	99.9	
Buffalo.	97.2	99.9	103.6	100.4	99.3	99.7	101.2	100.1	101.0	106.2	97.7	99.4	100.6	
Chicago.	97.2	99.5	103.3	100.8	99.4	99.8	101.4	99.6	99.8	108.6	97.9	101.7	100.2	
Cincinnati	99.0	99.9	102.91	99.1	98.2	98.2	98.8	94.4	104.0	102.2	96.6	99.8	100.5	
Cleveland	97.4	98.4	102.9	101.4	101.0	100.9	101.5	99.0	102.0	107.9	107.6	100.3	99.3	
Denver.	97.2	99.9	103.3	99.9	99.2	99.7	99.7	96.2	99.9	106.7	97.9	102.2	99.8	
Detroit	95.5	99.5	106.4	100.7	99.8	99.8	100.9	98.3	101.8	107.7	97.0	99.5	99.9	
Houston	97.0	99.6	103.0	101.4	100.0	101.3	100.7	97.9	103.2	106.7	93.1	104.6	99.9	
Indianapolis.	98.4	100.0	103.5	100.0	99.3	99.6	100.2	96.6	103.3	109.8	95.3	99.3	99.5	
Jacksonville.	99.2	100.7	102.7	99.1	98.4	99.3	100.2	100.2	101.4	103.6	96.3	99.8	98.9	
Kansas City.	98.0	99.9	102.6	99.7	99.1	99.3	98.6	92.9	102.9	102.7	97.3	97.5	101.0	
Los Angeles.	95.1	99.4	103.2	102.6	101.2	100.4	100.8	97.4	103.4	106.6	95.5	100.2	101.2	
Manchester	98.9	99.7	101.6	98.8	98.0	99.0	100.5	99.8	100.2	101.8	102.7	100.0	100.2	
Memphis	97.6	101.0	102.5	99.5	98.5	98.9	98.4	92.7	102.1	105.3	94.0	101.4	100.0	
Minneapolis.	96.8	99.9	103.4	100.9	100.2	101.1	100.8	97.9	100.8	108.0	95.6	103.2	100.9	
Mobile.	98.9	99.0	102.0	99.6	99.4	99.7	99.2	97.3	100.6	105.7	94.5	102.0	98.6	
New Orleans.	98.91	100.5	101.6	99.9	99.4	100.4	101.1	100.9	101.5	103.2	98.8	102.3	100.3	
New York.	98.7	99.5	102.8	100.2	99.2	100.1	101.6	101.1	101.1	102.6	99.6	97.5	102.4	
Norfolk.	100.1	101.2	101.8	99.0	98.4	98.5	98.5	94.7	103.5	102.2	92.3	99.4	100.9	
Philadelphia	99.0	100.8	101.6	99.4	98.2	98.6	99.2	95.9	101.3	103.1	96.8	101.9	100.8	
Pittsburgh	98.3	100.0	102.5	100.3	97.8	98.8	100.6	98.0	102.6	105.7	99.8	101.7	99.2	
Portland, Maine.	100.1	100.5	101.8	97.8	96.6	97.6	98.9	96.9	100.0	100.6	100.4	99.4	99.0	
Portland, Oregon.	95.7	99.4	103.2	101.7	100.7	100.9	100.7	99.8	103.2	106.5	91.6	99.9	100.3	
Richmond.	99.7	102.0	102.0	99.8	98.6	98.8	98.5	92.7	103.5	102.8	97.0	102.9	100.2	
St. Louis.	98.2	99.7	102.7	99.5	99.0	99.1	99.5	97.5	102.8	101.6	99.3	96.3	100.1	
San Francisco.	97.8	98.8	103.0	101.4	100.3	100.2	100.1	96.7	103.2	103.7	91.8	101.2	101.6	
Savannah.	100.0	100.2	101.9	99.5	98.7	99.7	100.8	99.6	101.8	104.8	97.6	104.8	100.0	
Scranton	100.3	101.8	101.2	97.9	96.9	97.4	98.7	98.3	101.7	98.1	94.7	98.2	100.0	
Seattle	95.9	99.5	103.2	101.2	100.9	100.9	101.7	99.7	103.9	106.8	98.3	98.5	101.7	
Washington, D. C.i	99.4	100.41	102.2	99.75	98.9	98.91	100.11	98.31	102.9	99.91	96.8	104.51	100.6	

Index numbers for food based on prices for 51 cities.

Source of tables 367 and 368: Department of Labor, Bureau of Labor Statistics; data published periodically in "Changes in Cost of Living."



No. 369.- COST OF FOOD, RETAIL, IN 51 LARGE CITIES INDEXES, BY CITIES:  
1935 TO 1940

NOTE.-1935-39 average=100. Sales taxes included wherever applicable. See second paragraph of general note, p. 322

REGION AND CITY	1935	1936	1937	1938	1939	1938				1939				1940			
						Sept. 13	Dec. 13	Mar. 14	June 13	Sept. 19	Dec. 12	Mar. 12	June 18				
United States.	100.4	101.3	105.3	97.8	95.2	98.1	97.2	94.6	93.6	88.4	94.9	95.6	98.3				
New England:																	
Boston.	101.0	101.2	104.7	97.8	95.3	98.9	96.4	95.3	94.4	98.1	92.8	95.9	98.9				
Bridgeport.	100.5	101.1	105.3	98.3	94.8	98.1	96.7	94.4	94.9	97.8	93.0	96.2	98.5				
Fall River.	98.8	100.7	106.0	98.5	96.0	98.3	98.1	95.6	94.0	97.9	95.3	96.8	100.3				
Manchester.	99.9	101.9	104.2	97.9	96.1	97.8	96.4	94.6	95.1	99.8	95.0	97.8	99.8				
New Haven.	100.0	101.4	105.8	98.1	34.7	98.3	97.1	93.7	93.9	88.5	33.5	95.3	98.6				
Portland, Maine.	102.2	102.5	105.6	96.2	93.5	97.7	94.9	91.7	92.1	97.7	92.0	92.9	96.9				
Providence.	100.1	101.4	105.9	97.7	94.9	98.8	96.2	93.7	93.8	99.7	93.3	96.3	99.5				
Middle Atlantic:																	
Buffalo.	100.7	101.4	104.7	97.4	95.9	96.4	98.0	95.5	94.8	100.0	94.3	96.6	100.1				
Newark.	98.7	100.8	105.4	98.4	96.7	98.5	98.4	96.6	95.6	100.0	95.0	99.3	101.0				
New York	100.6	101.0	104.1	97.8	96.5	98.9	98.6	96.3	93.7	100.6	97.1	99.8	101.1				
Philadelphia	100.1	102.5	105.7	97.2	94.4	97.3	95.3	93.9	93.7	97.4	94.2	93.2	95.9				
Pittsburgh.	100.2	101.4	106.4	98.5	93.5	99.0	97.1	90.8	92.7	97.1	93.3	93.8	98.0				
Rochester.	99.1	101.5	105.8	98.6	94.9	96.2	97.3	94.1	93.5	98.11	96.0	97.2	101.6				
Scranton.	100.2	102.5	105.5	97.1	94.8	95.0	95.9	93.6	93.1	99.0	95.1	96.4	98.3				
East North Central:																	
Chicago.	100.0	101.4	106.1	97.8	94.9	99.0	96.3	93.5	93.1	97.4	94.6	94.2	99.6				
Cincinnati.	102.5	103.5	105.5:	96.2	92.3	96.9	94.1	92.0	90.3	95.4	91.7	92.6	94.4				
Cleveland	100.3	100.6	104.1	98.6	96.3	100.1	99.4	96.5	96.1	98.9	95.7	95.9	99.0				
Columbus, Ohio.	103.2	103.9	104.6	96.0	92.3	95.6	94.8	94.5	89.0	94.7	92.5	92.0	94.0				
Detroit.	99.5	101.8	106.8	98.2	93.7	96.7	96.0	94.0	92.4	96.2	94.1	94.5	98.3				
Indianapolis.	100.6	101.9	106.5	97.6	93.5	97.9	95.9	94.0	92.2	96.0	94.0	94.0	96.6				
Milwaukee	99.0	101.5	107.0	98.6	93.7	97.7	95.8	94.2	92.6	96.2	92.7	92.8	98.1				
Peoria.	100.4	101.1	104.6	97.8	96.0	98.2	97.2	95.1	95.8	93.9	96.2	95.0	100.1				
Springfield, Ill.	100.2	100.7	105.9	97.7	95.5	97.9	96.9	94.8	95.1	99.4	96.1	93.0	98.2				
West North Central:																	
Kansas City.	101.4	101.2	105.6	97.5	94.3	97.6	96.1	94.0	92.8	97.6	93.4	91.2	92.9				
Minneapolis.	99.2	100.8	104.9	97.9	97.2	98.4	98.1	96.2	96.4	99.5	98.0	97.1	97.9				
Omaha.	103.5	101.9	105.4	35.4	94.7	93.6	93.8	92.4	94.2	99.8	95.5	94.3	98.3				
St. Louis.	99.7	101.2	105.2	98.2	95.7	99.5	97.1	96.1	93.1	98.8	95.1	95.2	97.5				
St. Paul.	101.1	101.0	104.4	97.5	96.1	97.5	97.4	95.1	95.5	98.0	96.4	93.3	97.2				
South Atlantic:																	
Atlanta.	102.2	102.2	105.7	95.6	94.3	96.5	96.5	94.5	92.7	98.3	93.6	96.0	93.2				
Baltimore.	99.8	100.9	104.3	38.3	95.7	38.5	97.8	96.5	96.1	99.4	94.6	96.6	98.7				
Charleston, S. C.	99.2	101.6	104.3	98.5	96.4	99.0	99.1	95.4	94.4	99.8	97.4	95.7	95.8				
Jacksonville.	99.9	100.9	104.1	98.4	96.7	100.1	97.9	95.1	94.6	100.4	97.4	95.9	100.2				
Norfolk	101.6	102.4	105.0	96.7	94.2	95.5	95.6	94.2	92.1	97.3	94.0	93.0	94.7				
Richmond	101.5	103.6	105.4	96.5	92.9	96.3	96.2	92.7	90.1	96.4	92.5	91.1	92.7				
Savannah	99.8	101.5	104.4	97.5	96.7	97.4	97.2	94.7	95.1	100.8	96.9	97.3	99.6				
Washington, D. O	102.6	101.4	105.0	95.1	95.0	95.9	96.2	94.5	93.6	99.5	93.8	96.1	98.3				
East South Central:																	
Birmingham.	102.2	102.6	107.7	95.6	91.9	96.0	94.7	90.9	89.4	95.4	93.0	92.0	92.0				
Louisville.	103.8	100.9	104.9	96.4	93.9	96.0	96.1	93.3	92.3	97.1	94.0	93.5	95.2				
Memphis.	103.31	102.0	105.8	96.1	92.7	95.7	95.1	92.2	90.6	97.6	92.8	92.3	92.7				
Mobile.	100.2	100.3	105.5	97.7	96.3	97.1	96.4	95.7	95.6	100.2	95.8	96.3	97.3				
West South Central:																	
Dallas.	103.7	102.2	105.0	96.7	92.5	97.3	97.1	90.8	89.5	94.8	94.4	90.6	91.2				
Houston.	99.6	99.9	103.9	98.7	97.8	98.6	99.0	95.3	95.7	100.9	98.8	97.7	97.9				
Little Rock.	101.05	102.2	105.8	96.2	94.8	95.4	95.2	94.5	92.2	98.7	95.4	95.3	95.3				
New Orleans.	100.6	100.2	103.4	97.7	98.1	98.9	97.6	97.0	95.1	102.4	98.5	99.8	100.9				
Mountain:																	
Butte.	99.5	101.0	105.1	98.4	96.0	98.8	96.5	95.7	97.0	98.1	94.9	94.6	99.0				
Denver.	100.4	101.6	106.3	97.1	94.6	95.5	95.9	94.1	94.5	95.7	95.0	93.9	96.2				
Salt Lake City.	100.4	100.9	105.9	97.0	95.8	96.7	97.3	93.1	97.7	99.4	96.6	94.9	101.0				
Pacific:																	
Los Angeles	100.3	99.9	106.0	97.7	96.2	97.6	100.7	96.4	94.1	99.2	94.6	95.6	97.4				
Portland, Oreg.	96.7	99.8	105.5	99.7	98.3	98.8	99.6	97.5	97.2	101.6	97.9	97.5	99.8				
San Francisco.	100.8	100.3	104.4	98.5	96.0	99.2	98.6	95.5	93.5	99.0	96.1	95.0	96.7				
Seattle.	98.91	100.5	105.5	97.9	97.2	96.8	97.4	96.7	95.9	102.0	96.6	98.7	99.7				

Source: Department of Labor, Bureau of Labor Statistics; data published currently in "Retail Prices."

## No. 370.-COST OF FOOD, RETAIL INDEXES, BY COMMODITY GROUPS: 1929 TO 1940

NOTE.-1935-38 average=100. See second paragraph of general note, p.322

YEAR AND MONTH	All foods					FRUITS AND VEGETABLES				Bever-		Fats and Sugar	
	Total	Fresh	Canned	Dried	ages	Total	Fresh	Canned	Dried	ages	oils	Sugar	
1929.	132.5	107.6	127.11	131.0	143.8	169.01	173.5	124.3	171.0	164.8	127.2	114.3	
1930.	126.0	104.3	119.1	121.0	121.4	177.5	185.7	118.51	158.7	143.4	119.2	107.4	
1931.	103.9	91.4	101.1	102.8	95.6	125.7	128.71	103.31	118.7	124.6	96.0	99.1	
1932.	86.4	82.6	79.3	84.9	82.3	103.5	105.91	91.1	91.2	112.6	71.1	89.6	
1933.	84.1	84.7	68.9	82.8	77.9	113.8	118.9	37.9	88.4	102.4	66.4	94.3	
1934.	93.7	98.3	78.9	90.9	88.6	119.1	122.3	103.9	101.1	107.6	76.4	97.9	
1935.	100.4	101.8	99.9	97.5	104.2	99.7	98.8	106.2	100.8	104.0	110.3	100.7	
Mar. 12-	99.7	101.1	97.6	100.4	86.7	102.3	100.7	108.5	103.6	108.3	107.4	95.9	
June 18	100.5	100.9	102.2	94.6	94.3	102.9	101.4	103.5	104.2	103.2	110.2	101.0	
Sept. 10-	100.5	101.6	106.1	93.8	113.8	91.9	88.4	104.1	100.2	100.8	117.5	104.1	
Dec. 17-	102.1	104.2	100.5	100.4	114.0	100.0	100.2	101.1	91.8	99.4	100.9	104.0	
1936	101.3	100.7	98.9	101.6	103.3	104.8	106.21	100.9	96.6	99.4	102.8	99.6	
Jan. 14.	101.5	102.7	100.7	101.5	104.6	100.4	100.9	101.0	91.4	99.2	107.5	100.9	
Feb. 11.	100.1	101.4	98.5	102.6	100.4	98.7	98.9	100.0	90.2	99.0	104.4	99.1	
Mar. 10.	98.5	100.6	97.1	100.3	94.4	97.4	97.3	99.6	89.81	99.5	102.85	98.4	
Apr. 21	98.4	100.3	98.21	98.3	81.4	101.1	102.4	99.2	88.2	99.4	102.11	98.7	
May 19-	98.1	99.7	97.6	95.2	84.7	102.7	104.6	98.9	88.2	99.6	101.4	99.2	
June 16.	101.71	99.4	98.8	96.7	89.4	115.8	121.7	98.8	89.5	98.2	100.2	100.3	
July 14-	102.6	99.6	100.1	100.5	96.2	112.8	117.5	99.3	91.4	98.3	100.1	100.9	
Aug. 18.	104.01	100.6	100.8	104.9	106.6	110.7	113.7	101.5	98.9	99.4	101.6	100.9	
Sept. 15.	104.8	101.1	102.81	106.3	111.5	108.8	110.6	103.3	102.4	99.7	103.1	100.6	
Oct. 13.	103.0	101.1	99.2	104.4	119.2	105.0	105.3	103.5	105.3	100.0	103.3	99.9	
Nov. 17.	101.9	100.8	96.5	104.1	123.8	101.6	100.7	102.9	110.6	100.0	103.01	38.0	
Dec. 15.	101.6	100.8	96.0	104.4	122.6	102.1	101.2	102.9	112.9	100.3	104.1	98.0	
1937.	105.3	103.3	105.8	105.4	101.2	107.9	108.6	103.2	116.01	103.6	105.8	101.2	
Jan. 12-	103.1	101.4	98.5	105.5	108.5	107.1	107.5	103.3	114.9	101.7	106.5	99.7	
Feb. 16.	103.6	100.9	97.4	105.0	92.3	115.3	118.0	103.4	119.6	102.2	106.8	101.1	
Mar. 16.	105.0	101.8	98.8	105.8	91.4	118.71	122.1	103.9	122.7	102.3	107.0	100.8	
Apr. 13.	105.1	102.8	101.5	103.6	92.0	116.9	119.7	104.0	123.1	103.2	107.5	101.3	
May 18.	106.1	104.2	103.5	101.81	87.5	120.5	124.3	104.3	123.3	103.4	106.4	101.4	
June 15.	106.0	104.7	106.3	101.3	88.61	115.9	118.2	104.61	123.3	104.0	107.3	100.5	
July 13.	106.3	104.9	111.3	102.7	96.1	107.4	107.0	104.91	122.6	104.5	107.5	99.2	
Aug. 17.	106.9	104.7	115.7	103.8	101.8	102.7	101.3	103.61	120.6	104.9	107.9	98.6	
Sept. 14-	107.9	104.2	115.3	106.3	111.5	103.1	102.4	102.9	115.5	104.7	106.2	102.0	
Oct. 12-	106.5	103.8	112.3	107.8	115.6	98.6	97.21	101.8	107.3	104.5	105.5	103.6	
Nov. 16-	104.1	103.2	106.3	109.4	120.4	93.6	91.2	101.3	101.4	104.1	102.2	103.2	
Dec. 14.	102.7	102.9	101.6	111.3	109.1	95.4	93.9	100.8	98.0	102.7	98.7	102.7	
1938.	97.8	99.8	98.9	99.6	100.3	93.2	92.1	97.4	93.3	97.7	93.5	97.9	
Jan. 18.	99.71	102.5	98.0	106.2	99.6	94.3	92.7	100.4	96.1	100.5	96.2	101.9	
Feb. 15.	97.3	102.4	94.8	103.8	83.8	93.6	P1.9	100.2	94.9	99.3	95.1	102.3	
Mar. 15-	97.5	102.1	97.4	103.2	81.11	92.9	91.1	99.8	93.7	99.0	95.0	101.1	
Apr. 12.	98.4	101.8	99.11	101.4	80.5	97.2	96.91	99.5	93.2	98.3	94.21	99.8	
May 17.	97.5	101.4	98.7	98.1	85.91	96.0	95.4	99.3	92.8	97.8	93.3	98.6	
June 14-	98.2	101.0	100.9	96.6	89.9	97.2	97.1	98.6	92.6	97.4	92.8	97.7	
July 12-	98.5	100.5	103.0	96.7	96.11	94.6	93.7	98.3	93.5	97.2	93.2	96.8	
Aug. 16.	97.5	100.0	101.8	96.5	102.8	90.3	88.4	97.2	93.81	96.7	03.6	95.8	
Sept. 13-	98.1	97.3	102.2	97.7	116.5	90.4	88.9	95.3	93.8	96.4	93.1	94.8	
Oct. 18.	97.1	96.4	98.3	97.6	122.4	90.4	89.5	93.8	92.4	96.3	92.5	95.0	
Nov. 15.	96.2	96.0	96.3	97.7	123.8	88.5	87.1	93.4	01.3	96.6	91.9	95.3	
Dec. 13.	97.2	95.7	96.0	99.7	120.6	92.9	93.0	92.7	91.11	96.4	90.9	95.7	
1939.	95.2	94.5	96.6	95.9	91.0	94.5	95.1	92.3	93.3	85.5	87.7	100.6	
Jan. 17.	95.8	95.3	96.6	98.4	93.8	94.0	94.6	92.5	90.2	96.5	89.8	95.3	
Feb. 14.	94.8	94.8	97.0	97.4	83.5	93.2	93.7	92.0	90.1	96.3	88.9	94.7	
Mar. 14-	94.6	94.61	97.1	95.7	81.0	94.3	95.2	91.8	89.7	96.2	88.2	94.6	
Apr. 18-	94.2	94.3	97.8	91.7	78.8	96.3	97.7	92.2	90.2	96.0	87.5	94.7	
May 16-	94.0	94.1	97.6	90.5	73.6	96.9	98.7	91.5	89.3	95.11	86.8	95.0	
June 13-	93.6	94.1	96.7	90.5	79.2	96.2	97.7	91.5	90.11	95.0	86.3	95.5	
July 18-	94.3	94.0	97.2	91.8	86.9	95.7	97.11	91.5	90.2	95.0	85.4	95.7	
Aug. 15	93.5	93.4	95.7	93.1	90.7	92.5	92.8	91.6	90.3	94.9	84.5	95.6	
Sept. 19.	98.4	94.5	101.0	98.2	105.6	94.4	94.6	92.7	98.5	95.1	92.3	119.2	
Oct. 17.	97.6	94.9	96.8	100.5	106.5	94.7	94.6	93.2	100.9	95.2	99.0	115.5	
Nov. 14-	96.7	95.0	94.4	101.2	110.7	93.4	93.0	93.3	99.8	95.1	37.5	168.1	
Dec. 12..	94.9	95.1	91.7	102.2	96.9	91.9	91.1	93.3	100.5	95.0	86.0	103.5	
1940:													
Jan. 16-	94.8	97.0	91.0	103.3	89.4	92.4	91.7	93.3	100.51	94.6	85.2	100.5	
Feb. 13..	96.6	97.81	90.0	103.9	98.0	99.5	101.1	92.7	101.1	94.5	84.0	99.2	
Mar. 12-	95.6	97.9	91.0	102.3	81.5	99.4	101.0	92.8	101.1	93.9	33.5	98.4	
Apr. 16.	96.2	98.4	93.1	101.0	77.7	101.3	103.4	92.9	100.8	93.7	82.8	97.8	
May 14-	97.0	98.4	94.9	99.1	77.9	104.6	107.8	92.9	100.9	93.3	82.9	97.3	
June 18.	98.3	97.7	96.0	98.2	77.9	110.6	115.7	92.7	100.9	92.3	82.0	97.3	
July 16-	97.4	97.4	93.6	98.8	87.8	100.4	102.2	92.7	100.9	92.8	82.1	96.1	

## PRICES

## No. 371.— PRICES, AVERAGE RETAIL, OF PRINCIPAL ARTICLES OF FOOD: 1923 TO 1940

NOTE.—Prices in cents per pound except for milk (cents per quart), eggs and oranges (cents per dozen) and tomatoes (cents per No. 2 can). Data are averages of prices as reported by retail dealers in 51 large cities. Prices for individual cities are combined with the use of population weights

YEAR AND MONTH	Chick-											
	Wheat flour	Corn meal	Bread, white	Round steak	Chuck roast	Pork chops	Bacon, sliced	Ham, whole	Lamb, leg	ens, roasting	Butter	Cheese
1923.	4.7	4.1	8.8	34.3	20.8	30.3	39.7		36.9	35.8	55.8	37.4
1924.	4.9	4.6	8.9	34.8	21.6	31.0	38.4		37.2	36.4	52.2	36.2
1925.	6.1	5.4	9.3	36.2	22.8	37.0	47.1		38.6	38.0	55.2	37.5
1926.	6.0	5.0	9.3	37.1	23.7	39.9	50.8		39.0	40.2	53.6	37.6
1927.	5.5	5.1	9.2	38.7	25.2	37.2	47.8		39.1	38.2	56.3	38.6
1928.	5.3	5.3	8.9	43.7	29.6	35.2	44.4		39.6	38.9	56.9	40.8
1929.	5.1	5.3	8.8	46.0	31.4	37.5	43.9		40.2	41.2	55.5	39.5
1930.	4.6	5.3	8.6	42.6	28.6	36.2	42.5		35.1	36.7	46.4	36.6
1931.	3.6	4.5	7.7	35.4	22.7	29.6	36.6		29.9	32.2	35.8	29.7
1932.	3.2	3.6	7.0	29.7	18.5	21.5	24.2		23.8	25.6	27.8	24.4
1933.	3.9	3.5	7.1	25.7	16.0	19.8	22.6		21.8	21.8	27.8	23.9
1934.	4.9	4.4	8.3	28.1	17.5	25.5	29.1		25.2	25.9	31.5	25.0
1935.	5.0	4.6	8.3	36.0	24.0	36.1	41.3	29.7	27.9	30.9	36.0	27.0
1936.	4.8	4.7	8.2	34.1	22.3	34.1	40.7	31.7	29.2	32.5	39.5	28.3
1937.	4.8	5.1	8.6	39.1	25.7	36.7	41.3	31.0	30.3	34.1	40.7	29.4
Mar. 16.	5.0	5.1	8.2	35.7	23.4	33.4	39.7	29.9	28.9	31.3	41.8	29.6
June 15.	4.9	5.3	8.6	39.6	25.9	38.0	40.5	30.8	31.8	33.3	38.2	29.2
Sept. 14.	4.7	5.1	8.8	44.0	28.4	41.7	44.5	33.3	31.8	37.3	40.7	29.3
Dec. 14.	4.3	4.5	8.8	35.9	24.6	31.5	39.8	28.4	30.0	36.2	45.5	29.7
1938.	4.0	4.2	8.6	34.9	22.8	32.9	36.7	29.0	28.3	34.2	34.7	27.0
Mar. 15.	4.2	4.3	8.8	31.9	21.3	32.2	37.3	28.3	28.4	35.9	36.9	28.5
June 14.	4.0	4.2	8.8	36.0	23.2	35.0	36.2	29.1	29.8	36.3	32.2	26.7
Sept. 13.	3.7	4.1	8.3	37.6	23.6	37.0	37.0	30.4	28.2	32.7	32.8	25.9
Dec. 13.	3.6	3.9	8.1	35.0	23.2	29.6	35.1	28.3	27.6	30.3	35.6	25.7
1939.	3.8	4.0	7.9	36.0	23.4	30.4	31.9	27.5	28.2	30.6	32.5	25.3
Mar. 14.	3.6	3.9	7.9	35.7	23.5	30.3	34.0	28.1	27.5	31.5	31.4	25.1
June 13.	3.6	4.0	7.9	36.2	23.4	29.6	31.2	27.8	30.0	31.5	30.5	24.8
Sept. 19.	4.0	4.1	7.8	38.0	24.1	35.5	31.8	28.3	29.9	30.8	34.2	25.4
Dec. 12.	4.3	4.1	7.8	34.6	22.9	25.0	28.7	25.3	25.8	27.5	35.9	26.2
1940:												
Mar. 12.	4.5	4.2	8.1	33.7	22.0	24.9	26.9	24.0	27.1	28.8	35.7	26.3
June 18.	4.4	4.2	8.1	36.1	22.7	26.7	26.1	23.8	30.2	33.4	33.6	25.3
YEAR AND MONTH	Milk, (condensed)											
	Eggs	Bananas	Oranges	Cabbage	Onions	Potatoes	Tomatoes, canned	Prunes, dried	Coffee	Lard	Sugar	
1923.	13.9	49.9	11.4	49.7	5.5	6.4	3.0	12.5	18.7	36.9	17.5	9.9
1924.	13.4	51.0	11.1	44.8	5.2	5.9	2.8	12.8	17.4	42.6	18.8	9.0
1925.	13.9	55.4	10.8	57.1	5.2	7.0	3.6	13.2	17.1	50.4	23.0	7.0
1926.	14.0	51.9	10.8	51.6	5.5	6.0	4.9	11.8	16.8	50.2	21.7	6.8
1927.	14.1	48.7	10.2	52.0	5.4	5.3	3.8	11.9	15.1	47.4	19.0	7.2
1928.	14.2	50.3	9.9	58.6	5.1	6.2	2.7	11.7	13.5	48.2	18.3	6.9
1929.	14.4	52.7	9.7	44.7	5.3	6.7	3.2	12.8	15.3	47.9	18.1	6.4
1930.	14.1	44.5	9.1	57.1	5.6	5.0	3.6	12.1	16.1	39.5	16.8	6.1
1931.	12.6	35.0	7.9	35.0	3.8	4.3	2.4	10.1	11.7	32.8	13.1	5.6
1932.	10.7	30.2	6.5	30.2	4.1	5.0	1.7	9.3	9.2	29.4	8.7	5.0
1933.	10.4	28.8	6.9	27.3	4.0	3.5	2.3	9.1	9.5	26.4	8.9	5.3
1934.	11.2	32.5	6.6	34.1	3.6	4.4	2.3	10.5	11.4	26.9	11.7	5.5
1935.	11.7	37.6	6.4	32.0	3.9	5.1	1.9	10.2	11.1	25.7	19.5	5.7
1936.	12.0	37.1	6.4	33.6	4.3	3.8	3.2	9.5	9.9	24.3	16.4	5.6
1937.	12.5	36.2	6.4	38.9	3.7	4.1	2.8	9.4	10.5	25.5	17.0	5.6
Mar. 16.	12.5	32.9	6.6	36.4	3.9	4.5	3.8	9.6	10.7	25.2	17.5	5.7
June 15.	12.2	31.8	6.4	40.6	4.1	4.5	2.9	9.6	10.7	25.5	17.2	5.6
Sept. 14.	12.7	39.8	6.3	46.1	3.1	3.8	1.9	9.2	10.6	26.0	17.2	5.7
Dec. 14.	12.9	38.6	6.3	29.4	3.7	4.3	2.0	9.0	9.7	24.9	14.7	5.6
1938.	12.5	35.5	6.2	26.7	3.5	4.3	2.1	8.9	9.1	23.2	13.0	5.3
Mar. 15.	12.7	28.7	6.3	24.8	4.4	4.6	2.1	8.9	9.1	23.5	13.6	5.5
June 14.	12.3	31.8	6.2	26.8	3.8	4.6	2.7	9.0	9.0	23.1	12.7	5.3
Sept. 13.	12.5	41.3	6.0	30.1	2.9	3.3	1.8	8.8	9.1	22.8	13.0	5.1
Dec. 13.	12.5	42.8	6.2	26.8	3.0	3.9	2.2	8.6	9.0	22.8	12.0	5.2
1939.	12.2	32.1	6.3	28.9	3.6	3.8	2.5	8.6	8.9	22.4	11.0	5.4
Mar. 14.	12.4	28.6	6.3	24.2	3.7	4.1	2.3	8.5	8.9	22.8	11.3	5.1
June 3.	11.5	27.9	6.1	28.6	3.5	3.9	2.7	8.7	8.9	22.3	10.4	5.2
Sept. 19.	12.4	37.4	6.2	35.5	3.7	3.4	2.5	8.6	8.9	22.3	13.2	6.4
Dec. 12.	12.8	34.2	6.4	27.5	3.5	3.2	2.4	8.7	9.0	22.1	10.4	5.6
1940:												
Mar. 12.	12.9	28.6	6.4	26.8	3.9	3.8	2.6	8.5	9.8	21.7	9.5	5.3
June 18.	12.5	27.5	6.4	33.2	3.6	6.9	3.0	8.5	9.8	21.3	9.2	5.2

Source: Department of Labor, Bureau of Labor Statistics; data published currently in "Retail Prices,"

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# 14. WAGES, HOURS OF LABOR, AND EMPLOYMENT

[Data in this section relate to continental United States, except as noted. For data relating to hours of labor, wages, and employment shown in other sections, consult the index]

## No. 874. - HOURS AND EARNINGS, AVERAGE, IN SELECTED MANUFACTURING INDUSTRIES: 1935 TO 1939

NOTE. -The averages in this table are based on monthly data supplied by representative establishments in the respective industries. As the number of such establishments varies slightly from month to month, the averages for different years are not in all cases strictly comparable; but the reporting "samples" are, in general, large enough to be representative of the industries. The average weekly earnings do not represent full-time earnings, inasmuch as the data from which they are computed cover both full-time and part-time workers. The average weekly hours and average hourly earnings are derived from somewhat smaller samples than the average weekly earnings, and therefore the product obtained by multiplying the hours by the hourly earnings is not identical with the average weekly earnings.

YEAR	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings
	All manufacturing industries			Blast furnaces, steel works, and rolling mills			Cast-iron pipe			Hardware		
1935-	\$20.85	36.5	\$0.559	23.12	34.9	\$0.664	\$15.40	31.0	\$0.490	\$20.27	37.1	\$0.543
1936-	22.60	39.1	.564	27.37	40.9	.671	18.99	38.2	.493	22.90	41.0	.562
1937-	24.95	38.6	.634	31.46	38.7	.818	21.17	37.8	.555	24.69	38.5	.641
1938-	22.70	35.5	.639	23.78	28.7	.835	19.15	32.8	.577	22.25	33.6	.662
1939-	24.58	37.5	.544	23.92	35.5	.843	21.33	36.4	.581	25.47	38.1	.668
	Steam and hot-water heating apparatus and steam fittings			Stoves			Structural and ornamental metalwork			Agricultural implements (including tractors)		
1935	\$21.76	37.3	\$0.581	\$21.58	38.1	\$0.566	\$20.58	35.2	\$0.586	\$25.28	39.4	\$0.646
1936-	24.25	41.2	.587	24.12	41.7	.582	24.32	11.7	.584	25.94	39.4	.661
1937-	27.08	40.0	.676	25.02	39.4	.638	28.18	41.2	.684	30.60	39.7	.773
1938-	23.15	33.1	.699	23.67	36.0	.663	25.98	36.0	.723	28.25	35.8	.791
1939-	26.19	37.6	.697	25.25	38.1	.666	27.95	38.5	.727	23.61	37.7	.780
	Electrical machinery, apparatus, and supplies			Engines, turbines, water wheels, and windmills			Foundry, and machine-shop products			Machine tools		
1935.	\$22.90	36.8	\$0.623	\$24.40	37.5	\$0.651	\$22.66	37.8	\$0.599	\$25.89	41.5	\$0.624
1936.	24.98	39.9	.624	26.87	40.6	.663	25.55	42.4	.601	28.40	44.6	.636
1937.	28.05	39.4	.711	30.47	40.5	.757	28.51	41.9	.680	32.24	45.1	.716
1938.	25.37	34.2	.741	28.31	36.2	.786	24.94	35.0	.711	26.61	36.3	.733
1939.	28.43	38.5	.740	31.44	40.0	.790	27.83	38.9	.716	32.25	42.9	.752
	Radios and phonographs			Textile machinery and parts			Aircraft			Automobiles		
1935.	\$19.40	35.9	\$0.542	\$22.46	36.7	\$0.613	\$25.75	40.9	\$0.650	\$27.41	37.1	\$0.739
1936.	20.10	37.3	.540	24.55	41.0	.599	26.08	42.1	.632	29.75	38.5	.774
1937.	21.26	36.3	.588	27.52	42.4	.651	27.83	42.3	.666	31.94	35.9	.891
1938.	21.55	36.0	.601	23.00	34.7	.664	29.02	40.1	.728	30.45	32.9	.925
1939.	22.34	38.5	.581	26.19	39.8	.660	30.34	41.5	.745	32.90	35.5	.929
	Shipbuilding			Aluminum manufactures			Brass, bronze, and copper products			Smelting and refining-copper, lead, and zinc		
1935.	\$24.77	32.8	\$0.750	\$21.09	39.0	\$0.542	\$22.86	39.3	\$0.582	\$21.61	38.9	\$0.556
1936.	27.35	35.7	.760	23.38	41.3	.566	24.75	41.6	.595	23.99	41.5	.578
1937.	30.51	37.1	.814	25.96	40.4	.543	27.59	39.6	.697	27.91	41.3	.676
1938.	30.91	36.6	.837	24.67	35.3	.579	24.81	34.6	.719	26.15	38.2	.685
1939-	31.91	38.0	.835	26.68	39.2	.680	28.57	39.6	.723	26.67	38.2	.699
	Stamped and enameled ware			Lumber-- millwork			Lumber-sawmills			Brick, tile, and terra cotta		
1935.	\$19.97	37.4	\$0.534	\$17.99	39.5	\$0.454	\$14.41	37.2	\$0.387	\$16.14	35.8	\$0.450
1936.	22.44	40.0	.558	20.16	43.2	.467	17.18	43.1	.398	18.94	41.9	.453
1937.	24.29	38.8	.625	21.76	42.0	.520	18.97	43.3	.438	20.88	40.2	.519
1938.	22.65	35.9	.629	21.26	39.2	.542	18.01	40.4	.446	18.88	36.1	.523
1939-	23.92	38.1	.627	22.17	41.1	.540	18.29	38.4	.476	20.55	37.8	.543

No. 374. HOURS AND EARNINGS, AVERAGE, IN SELECTED MANUFACTURING INDUSTRIES: 1935 TO 1939-Continued

YEAR	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings
	Cement			Glass			Pottery			Carpets and rugs		
1935.	\$19.39	33.9	\$0.572	\$20.56	35.4	\$0.584	\$19.08	36.3	\$0.540	\$20.55	36.5	\$0.564
1936.	22.27	38.5	.579	22.35	36.8	.609	21.22	39.9	.553	20.61	36.7	.563
1937	25.35	38.8	.655	24.97	37.1	.675	23.12	39.9	.596	21.28	34.1	.622
1938.	25.47	37.1	.687	23.72	33.6	.707	21.67	35.0	.632	20.00	31.4	.638
1939.	26.67	38.2	.699	25.32	35.2	.721	22.74	37.2	.625	23.25	36.1	.644
	Cotton goods			Dyeing and finishing textiles			Hosiery			Silk and rayon goods		
1935.	\$13.06	34.6	\$0.376	\$18.95	35.4	\$0.533	\$17.36	34.3	\$0.515	\$15.55	34.8	\$0.447
1936.	13.79	37.5	.368	20.17	38.9	.517	17.89	35.5	.522	15.44	36.2	.426
1937.	14.97	36.2	.413	21.23	37.5	.561	18.87	35.5	.547	16.16	35.9	.450
1938.	13.35	33.7	.396	20.27	37.2	.541	18.93	34.9	.552	15.32	34.9	.435
1939.	14.26	36.7	.389	20.82	38.6	.535	18.98	35.6	.536	15.78	36.5	.429
	Woolen and worsted goods			Clothingmen's			Leather			Beverages		
1935.	\$18.13	36.8	\$0.493	\$18.27	30.4	\$0.595	\$21.47	38.2	\$0.562	\$30.04	39.0	\$0.770
1936.	18.11	36.2	.501	18.39	32.2	.560	21.99	39.2	.561	31.50	40.5	.784
1937.	19.99	35.3	.569	18.98	32.0	.591	23.90	38.8	.617	33.05	40.4	.826
1938.	18.53	34.1	.545	17.35	29.5	.586	23.52	37.3	.632	32.95	39.1	.849
1939.	19.21	36.4	.528	19.32	33.2	.581	24.43	38.7	.634	33.46	39.0	.865
	Canning and preserving			Confectionery			Tobacco			Slaughtering and meat packing		
1935.	\$13.72	35.9	\$0.383	\$15.98	36.7	\$0.436	\$21.68	39.4	\$0.548	\$22.84	40.4	\$0.559
1936.	14.14	36.5	.393	16.38	39.5	.418	23.60	43.8	.536	23.89	42.2	.565
1937.	16.76	37.9	.457	17.76	39.3	.454	25.59	44.3	.571	27.27	41.0	.665
1938.	15.86	36.0	.454	17.88	37.9	.476	26.12	43.7	.593	28.10	41.0	.688
1939.	16.77	36.9	.464	18.64	38.1	.492	25.80	42.3	.605	27.85	40.6	.686
	Sugar, beet			Sugar refining, cane			Chewing and smoking tobacco and snuff			Cigars and cigarettes		
1935.	20.57	42.1	\$0.498	\$22.04	38.5	\$0.568	\$15.03	34.9	\$0.432	\$13.97	35.0	\$0.395
1936.	21.38	43.8	.495	22.71	38.8	.579	15.81	35.7	.444	14.77	35.7	.405
1937.	23.91	42.6	.574	26.18	41.0	.629	17.57	36.2	.491	16.32	37.2	.440
1938.	25.08	44.0	.578	24.02	39.1	.613	17.64	35.1	.505	16.19	35.6	.457
1939.	24.68	42.9	.585	23.91	37.6	.636	17.53	34.1	.514	16.69	35.6	.471
	Boxes, paper			Paper and pulp			Printing and publishing-DOOK and job			Printing and publishing-newspapers and periodicals		
1935.	\$18.92	38.1	\$0.497	\$20.56	38.9	\$0.529	\$27.48	37.4	\$0.737	\$33.11	36.8	\$0.892
1936.	19.55	40.9	.481	22.33	41.6	.537	28.41	38.6	.742	35.15	37.0	.922
1937.	20.57	40.4	.515	24.75	41.0	.604	30.05	39.4	.773	36.85	37.0	.962
1938.	20.72	38.4	.544	23.57	38.1	.619	29.55	37.5	.798	37.13	36.3	.987
1939.	21.78	40.2	.547	24.92	40.3	.620	30.30	38.3	.804	37.58	36.1	1.004
	Chemicals			Fertilizers			Paints and varnishes			Rayon and allied products		
1935.	\$25.29	39.7	\$0.635	\$11.00	33.6	\$0.327	\$23.32	39.8	\$0.586	\$19.48	37.9	\$0.514
1936.	26.54	40.6	.653	12.77	38.5	.332	25.12	41.9	.600	20.52	38.6	.532
1937.	30.13	39.9	.755	15.05	40.1	.378	27.59	41.2	.670	23.76	38.5	.617
1938.	29.86	38.0	.786	14.86	37.1	.401	27.21	39.1	.697	22.78	35.3	.645
1939.	31.30	40.0	.784	14.71	35.8	.412	28.48	40.5	.704	24.52	37.9	.646
	Soap			Petroleum refining			Rubber goods, other than boots, shoes, tires, and inner tubes			Rubber tires and innertubes		
1935.	\$22.53	38.0	\$0.593	\$27.81	35.0	\$0.801	\$19.65	37.5	\$0.527	\$27.01	32.3	\$0.842
1936.	23.69	39.4	.601	29.36	35.8	.827	21.39	40.3	.535	30.72	35.4	.873
1937.	27.10	39.8	.682	33.72	36.0	.945	22.99	39.1	.592	30.08	31.8	.950
1938.	27.65	39.0	.708	34.91	35.9	.978	21.66	36.5	.597	28.11	29.5	.948
1939.	28.11	39.8	.707	34.97	36.1	.974	23.34	38.9	.605	33.36	35.0	.957

Source: Department of Labor, Bureau of Labor Statistics; monthly figures published currently in the Monthly Labor Review and in a pamphlet, "Employment and Pay Rates."



No. 375. EARNINGS, AVERAGE WEEKLY, IN MANUFACTURING INDUSTRIES; COST OF LIVING; WEEKLY EARNINGS ADJUSTED TO COST OF LIVING-- INDEXES: 1922 TO 1939

NOTE.-1923-25 average=100. The indexes of average weekly earnings in this table are derived from the employment and pay-roll indexes shown in table 379. The cost of living are those shown in table 367, p.328, converted to 1923-25 base. The significance of these average earnings is affected by such considerations as labor productivity, labor cost per unit of output, labor turnover, and wholesale prices. Such qualifying data are embodied in detailed reports of the Bureau of Labor Statistics.

YEAR	Average weekly earnings	Cost of living	Weekly earnings adjusted to cost of living	YEAR	Average weekly earnings	Cost of living	Weekly earnings adjusted to cost of living
1922.	89.5	97.2	92.1	1931	86.8	88.2	98.4
1923.	99.1	99.0	100.1	1932.	70.4	79.2	88.9
1924.	99.6	99.2	100.4	1933.	68.3	75.0	91.1
1925.	101.3	101.8	99.5	1934.	75.3	77.7	96.9
1927	102.5	102.6	99.9	1935.	81.2	79.6	102.0
1927	102.9	100.7	102.2	1936.	86.7	80.4	107.8
1928.	103.8	99.5	104.3	1937.	94.4	83.4	113.2
1929.	104.2	99.5	104.7	1938.	86.8	81.8	106.1
1930.	96.8	96.9	99.9	1939.	93.8	80.7	116.2

Source: See headnote.

No. 376. HOURS AND EARNINGS, AVERAGE, IN SELECTED NONMANUFACTURING INDUSTRIES: 1935 TO 1939

NOTE.-See headnote, table 374

YEAR	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings
	Anthracite mining			Bituminous coal mining			Metalliferous mining			Quarrying and non-metallic mining		
1935.	\$25.98	31.7	\$0.823	\$19.58	26.4	\$0.745	\$23.33	38.7	\$0.593	\$16.68	34.9	\$0.475
1936.	25.63	30.8	.833	22.71	28.8	.794	25.45	42.0	.605	19.69	41.4	.475
1937.	25.19	28.8	.873	23.84	27.9	.856	30.59	43.8	.700	22.20	41.6	.533
1938.	23.76	25.3	.922	20.80	23.5	.878	26.67	39.5	.678	21.00	38.6	.543
1939.	25.67	27.7	.923	23.88	27.1	.886	28.05	40.0	.705	21.51	39.2	.550
	Crude petroleum producing			Telephone and telegraph			Electric light and power			Street railways and busses		
1935.	\$28.88	36.1	\$0.785	\$28.32			\$31.07	39.3	\$0.790	\$28.31	45.3	\$0.616
1936.	29.93	38.2	.768	29.29			32.22	40.1	.803	30.03	46.3	.638
1937.	33.24	39.7	.827	30.61	8	8	34.22	40.3	.853	31.48	45.9	.676
1938.	34.12	39.7	.844	30.89	39.1	\$0.797	34.15	39.9	.858	32.23	44.9	.707
1939.	34.09	38.3	.873	31.07	39.1	.800	34.38	39.6	.869	33.13	45.9	.714
	Wholesale trade			Retail trade-total			Retail trade-general merchandising			Retail trade-other than general merchandising		
1935.	\$26.93	41.3	\$0.648	\$19.96	41.8	\$0.521	\$17.02	39.0	\$0.466	\$22.47	42.7	\$0.538
1936.	28.53	42.6	.667	20.68	43.5	.522	17.51	40.8	.460	23.41	44.4	.541
1937.	29.94	42.8	.698	21.73	43.3	.551	18.49	39.8	.503	24.48	44.4	.567
1938.	29.48	42.2	.700	21.14	42.6	.543	17.82	39.4	.481	24.03	43.7	.562
1939.	29.85	41.7	.715	21.17	42.6	.548	17.80	39.3	.480	24.10	43.7	.570
	Hotels (year round) 2			Laundries			Dyeing and cleaning			Private building construction		
1935.	\$13.57	47.8	\$0.279	\$15.55	40.7	\$0.366	\$18.27	41.7	\$0.437	\$24.51	30.1	\$0.815
1936.	13.97	48.3	.287	16.06	42.5	.374	18.65	42.8	.442	27.08	32.8	.824
1937.	14.78	47.7	.308	16.82	42.9	.391	19.72	42.7	.470	30.24	33.4	.903
1938.	14.93	46.8	.315	17.15	42.0	.411	19.93	41.8	.483	29.18	32.1	.908
1939.	15.25	47.1	.324	17.69	42.7	.417	19.96	41.8	.490	30.34	32.6	.932

Not available.

Cash payments only; the additional value of board, room, and tips cannot be computed.

: Not including projects financed by Public Works Administration, or Reconstruction Finance Corporation Funds, or regular governmental appropriations.

Source: Department of Labor, Bureau of Labor Statistics; monthly figures published currently in the Monthly Labor Review and in a pamphlet, Employment and Pay Plans.

No. 377.— WAGE RATES AVERAGE HOURLY RATES FOR COMMON LABOR IN  
IMPORTANT INDUSTRIES: 1928 TO 1939

NOTE.—In cents per hour as of July 1 of each year. Figures represent entrance rates paid unskilled adult males in important industries by considerable numbers of common laborers

YEAR	All industries covered	Manufacturing	Public utilities	Building and construction	INDUSTRY	Total	North and West	South and Southwest
Total, 13 industries:					Manufacturing—Con.			
1928.	42.8	40.2	42.9	47.4	Brick, tile, terra cotta.	43.5	47.7	28.3
1929.	43.2	40.7	42.8	48.3	Cement.	52.2	56.3	40.3
1930.	42.9	40.5	44.6	47.0	Chemicals.	52.7	59.0	38.1
1931.	10.3	38.3	44.6	42.6	Fertilizers.	36.2	46.5	29.6
1932.	35.5	31.8	41.5	39.9	Foundry and machine-shop products.	49.6	51.0	34.2
1933.	33.3	30.5	38.7	38.3	Glass.	51.8	52.9	40.8
1934.	42.0	40.7	11.8	45.5	Iron and steel.	58.3	60.0	44.3
1935.	43.0	41.5	42.0	48.1	Leather.	47.3	49.0	37.1
1936.	43.4	42.5	42.9	50.9	Lumber (S.E.W.I.I.I.S.).	37.4	53.2	25.9
1937.	51.4	51.4	46.7	55.3	Meat packing.	57.2	58.6	13.3
1938.	50.9	50.5	48.0	56.6	Paints and varnishes.	51.7	53.7	34.2
1939.	50.0	48.7	48.5	60.1	Paper and pulp.	47.1	50.5	39.1
Total, 20 industries:					Petroleum refining.	64.2	68.0	57.7
1938.	50.8	50.4	48.0	56.6	Rubber tires and inner tubes.	(2).		
1939.	49.9	48.7	48.5	60.1	Soap.	55.2	8	0
			1939		Public utility light and power.	48.5	51.3	36.1
					Electric street-railway and tramway operation and maintenance.	47.7	50.1	38.4
INDUSTRY			North and West	South and Southwest				
	Total				Manufactured and natural gas.	49.9	52.4	32.1
All 20 industries.	49.9	55.7	33.7		Building construction.	47.7	51.3	36.2
Manufacturing.	48.7	54.7	33.1			60.1	67.3	37.7
Automobile parts.	55.8	55.8						

Figures through 1935 cover a small amount of construction outside the building industry.

: Representative data not available.

3 Withheld to avoid disclosing plant identity.

Source: Department of Labor, Bureau of Labor Statistics; December 1939 Monthly Labor Review.

No. 378.— WAGE RATE3— HOURLY RATES FOR COMMON LABOR IN ROAD  
BUILDING, BY GEOGRAPHIC DIVISIONS: 1926 TO 1940

[In cents per hour]

YEAR AND MONTH	United States, average	New England	Middle Atlantic	South Atlantic	East South Central	West South Central	East North Central	West North Central	Mountain	Pacific
Federal-aid projects:										
1926.	38	50	46	29	25	27	38	36	43	52
1927.	39	49	47	27	25	30	39	38	45	
1928.	40	50	44	32.6	26	28	39	38	46	53
1929.	39	51	43	27	26	31	40	38	46	53
1930.	39	50	42	25	25	28	38		47	53
1931.	36	45	38	21	20	23	37	37	45	51
1932	32	36	36	19	19	26	437	34	44	48
19335	35	36	36	23	20	28	41	35	44	52
19345	40	42	41	26	25	33	49	38	50	57
19355	43	43	44	26	27	33	51	38	51	57
1936.	41	44.4	45	25	30	31	49.	41	52	57
1937.	41	45	47	26	28	31	56	44	53	61
1938.	40	45	50	27	28	37	-60	46	55	66
1939.	42	48	52	29	29	37	60	45	56	65
1940 (Jan.-June).	44	51	54	33	33	39	64	44	56	70
Emergency, Public Works, or Works Program* projects:										
1935.	37	40	39	24	23	29	40	39	50	52
1934.	42	43	41	31	30	35	50	44	55	58
1935.	41	45	43	31	30	36	53	47	56	57
1936.	38	44.2	49	27	26	29	49	39	52	58
1937.	40	49	50	27	29	30	61	48	52	63
1938.	38	50	52	26	30	31	67	51	60	63
19398	39	40	60	28	31	33	65	52	57	66

1 Changes in United States wage rates are affected by the relative number of men employed in areas with higher or lower wage rates.

Beginning with March 1932 through December 1935, data from State projects also are included.

Average for 10 months.

Federal-aid projects were at a low level for 1934. Average for 11 months representative; see data

emergency, etc., projects, at Works Program 1023, which abandoned July 1939.

Data are based upon the type of project that employed the greatest number of men for the given year.

— Data not available after 1939.

Source: Federal Works Agency, Public Roads Administration; records.

# No. 379. EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES-INDEXES, BY MONTHS: 1922 TO 1940

NOTE. Monthly average, 1923-25-100. Indexes are based on monthly reports from representative establishments in 90 manufacturing industries. These industries and industry groups are shown in tables 381-383. The base used in computing these indexes is the 3-year average, 1923-25, taken as 100. Indexes are not adjusted for seasonal variation. Indexes in this table and tables 380-383 have been adjusted to conform with the Federal Biennial Census statistics on factory employment and pay rolls through the year 1937 and supersede the previously published series. It was not found practicable to follow some of the modifications made by the 1937 census in industry classifications because comparable data were not available from the censuses for the base-period years 1923 and 1925. In such cases the indexes employment and pay rolls between 1935 and 1937, as in earlier revisions, were adjusted to movements of selected census data on the assumption that such movements would agree closely with those of the former census series. For indexes of employment adjusted for seasonal variations, see table 380.

YEAR	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
EMPLOYMENT													
1922.	82.4	84.5	85.8	85.7	87.9	89.6	90.5	93.1	95.1	96.6	98.0	99.1	90.7
1923.	100.2	102.4	104.6:	105.1	105.2	105.7	104.6	104.8	105.3	104.0	102.8	101.1	103.8
1924.	100.1	101.7	101.9:	100.1	96.81	93.8	90.6	92.05	94.2	95.0	94.5	96.1	96.4
1925.	96.6	98.3	99.2	99.1	98.6	98.4	98.3	100.0	101.9	102.6	102.2	101.8	99.8
1926.	101.0	102.0	102.5	101.8	100.8	100-8	99.7	101.8	104.0	103.6	101.6	100.3	101.7
1927.	98.6	100.21	100.9:	160.3	99.6	99.7	98.6	99.9	101.2	100.	98.0	96.5	99.5
1928.	95.3	97.2	98.2	97.8	97.8	98-5	98.4	101.1	103.3	103.5	102.6	102.1	99.7
1929.	101.7	104.1	105.4	106.7	106.5	106.8	107.3	109.2	110.3	109.0	104.6	100.7	106.0
1930.	98.2	98.3	97.9	97.3	95.6	93.6	90.4	89.7	90.7	88.7	85.4	82.9	92.4
1931	80.1	0.8	81.2	81.2	80.6	78.8	77.7	77.3	78.3	75.5	72.7	72.0	78.1
1932.	70.0:	71.2	70.1	57.8	55.2)	53.2	51.0	62.7	56.1	67.2	66.3	65.1	66.3
1933.	63.3	64.7	52.3	53.9	66.85	71.6	76.2	81.3	85.0	84.6	81.2	79.5	73.4
1934.	78.8	83.7	87.2	88.8	39.0	87.8	86.3	87.4	83.5	85.9	84.3	85.6	85.7
1935.	86.7	89.6	91.0	91.2	39.9	38.3	38.7	91.7	93.9	95.2	94.6	94.2	91.3
1936.	92.3	92.7	93.9	95.5	96.4	97.0	98.4	101.2	103.8	104.9	104.9	106.4	99.0
1937.	104.7	107.61	110.1	111.3	111.5	110.3	110.9	112.3	112.3	110.3	104.1	97.4	108.6
1938.	90.6	91.1	90.5	88.5	86.1	81.3	84.7	88.8	92.0	92.4	93.3	94.0	89.7
1939.	92.2	93.6	94.3	94.1	03.01	93.4	03.5	96.3	100.2	103.6	103.8	104.1	96.8
1940.	101.4	101.4	100.8	99.5	99.01	99.4							
PAY ROLLS													
1922.	69.6	72.5	74.4	73.6	77.0	80.0	80.2	84.1	87.0	88.7	92.21	94.5	81.2
1923.	93.9	97.8	102.6	103.8	107.3	107.2	102.9	103.1	103.8	105.9	103.9	102.7	102.9
1924.	98.9	104.5	104.5	102.0	97.6	91.9	85.3	89.1	32.4	94.8	93.1	97.6	96.0
1925-	36.0	101.0	102.8	100.4	101.4	99.2	97.5	100.1	99.4	105.3	105.1	105.5	101.1
1926.	101.6	105.7	107.2	104.9	103.5	103.7	39.4	103.8	105.1	108.0	104.3	103.6	104.2
1927.	98.6	104.8	106.6	105.0	104.8	103.2	99.1	102.5	102.1	102.7	98.9	100.0	102.4
1928.	96.5	102.0	103.5	101.3	102.3	102.7	100.2	104.66	106.21	109.5	106.2	106.9	103.5
1929.	103.8	110.8	113.0	114.1	114.3	112.7!	108.6	113.5	114.4	113.7	104.9	101.2	120.4
1930.	96.5	99.6	99.7	98.5	96.1	92.9	85.0	83.8	84.8	82.9	77.3	75.4	89.4
1931.	70.3	74.4	75.9	74.7	73.6	69.9	66.6	66.4	63.8	61.8	58.3	57.8	67.8
1932.	54.0	55.41	53.6	49.6	46.8	43.7	40.4	41.4	44.0	45.8	43.6	42.41	46.7
1933.	40.3	41.4	38.3	40.4	44.4	49.1	52.7	58.6	61.3	61.1	57.3	56.5	50.1
1934.	56.3	62.9	67.2	59.6	69.7	67.4)	62.8	65.1	50.8	64.0	62.5	66.2	64.5
1935.	57.5	72.6	74.4	74.6	71.8	69.8	59.1	74.0	76.8	79.5	78.6	80.5	74.1
1936.	76.9:	76.6	80.5	82.6	84.01	84.2	83.5	87.3	87.2	92.9	94.4	99.2	85.8
1937.	94.6	100.1	105.9	109.7	110.1	107.6	105.2	108.7	104.9	104.9	93.3	84.6	102.5
1938.	75.3	77.5	77.6	74.9	73.2	71.1	71.1	73.3	81.6	84.2	84.4	87.1	77.9
1939.	83.7	86.0	87.6	35.5	85.0	86.5	84.4	89.7	93.8	101.6	101.6	103.7	90.8
1940.	98.31	97.81	98.2	96.3	96.31	97.9.							

Source: Department of Labor, Bureau of Labor Statistics. Indexes are published currently in a pamphlet entitled "Employment and Pay Rolls," and in Monthly Labor Review.

# No. 380. EMPLOYMENT IN MANUFACTURING INDUSTRIES INDEXES ADJUSTED FOR SEASONAL VARIATIONS, BY MONTHS: 1925 TO 1940

NOTE. Monthly average, 1923-25-100. Indexes are based upon data shown in table 379. For a description of methods of adjustment see Federal Reserve Bulletin, October 1938, p. 836, and October 1939, p. 878.

YEAR	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
1925.	98.1	98.6	98.7	99.0	99.0	98.9	99.4	99.7	99.9	101.1	102.0	102.4	99.8
1926.	102.7	102.4	102.0	101.7	101.1	101.3	101.0	101.5	102.0	102.0	101.4	101.0	101.7
1927.	100.4	100.8	100.4	100.2	100.1	100.1	99.7	99.6	99.1	98.4	97.9	97.4	99.5
1928.	97.3	97.8	97.91	97.7	98.2	98.7	99.2	100.4	100.9	101.7	102.7	103.3	99.7
1929.	104.2	105.0	105.3	106.4	106.5	107.0	108.1	108.4	107.3	106.6	104.4	101.9	106.0
1930.	100.6	39.0	97.7	97.0	95.7	93.9	91.2	89.0	87.7	86.7	85.3	83.8	92.4
1931	82.4	31.4	81.1	31.0	80.7	79.2	78.7	77.5	76.0	73.9	72.61	72.4	78.1
1932.	71.8	71.4	69.9	67.6	65.3	63.6	61.9	62.4	64.4	65.8	66.2	65.5	66.3
1933.	64.3	55.0	62.2	63.8)	67.1)	72.2	77.3	87.4	81.0	82.8	82.9	81.2	80.1
1934.	80.7	53.9	86.9	88.3	89.0	88.3	87.3	86.4	81.3	84.4	84.6	86.4	85.7
1935.	88.9:	90.0	90.6	90.7	90.0	89.2	90.0	91.0	92.0	93.0	94.2	94.7	91.3
1936.	94.6	93.3	33.65	95.11	96.7	97.9	99.8	100.6	101.6	102.4	104.4	106.9	99.0
1937.	107.3	108.4	109.8	111.0	111.8	111.2	112.3	111.7	110.3	107.8	103.7	97.9	108.6
1938.	93.0	91.9	90.4	88.2	86.4	85.2	86.0	87.9	89.4	90.2	92.8	94.4	89.7
1939.	94.6	94.3	94.0	93.8	93.3	94.3	95.3	95.9	97.5	101.2	103.4	104.5	96.8
1940.	103.91	102.11	100.4	99.21	99.21	100.2							

Source: Board of Governors of the Federal Reserve System; indexes are published currently in Federal Reserve Bulletin.

No. 381. EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES-  
INDEXES FOR DURABLE-GOODS AND NONDURABLE-GEOCDS GROUPS, BY MONTES:  
1926 TO 1940

NOTE.-Monthly average, 1823-25=100. See headnote, table 379

YEAR	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	AV.
DURABLE-GOODS GROUP 1													
EMPLOYMENT													
1926.	101.3	102.9	103.9	104.3	103.7	103.2	101.3	103.0	103.5	103.0	100.8	98.6	102.5
1927.	96.0	97.9	99.1	99.3	99.2	98.2	95.8	96.4	95.9	95.2	92.9	91.5	96.5
1928.	90.3	92.8	94.9	96.1	97.7	98.2	97.4	99.9	101.3	101.6	101.0	100.6	97.7
1929.	101.0	103.9	105.9	108.0	109.3	109.3	109.2	110.3	109.8	107.7	102.5	97.6	106.2
1930.	94.8	95.3	95.1	94.9	93.8	90.8	86.3	83.7	82.3	80.9	78.1	75.7	87.6
1931.	72.3	72.4	72.5	72.6	71.9	69.8	67.2	65.8	65.0	62.2	60.6	60.2	67.7
1932.	58.1	58.8	57.5	55.5	54.0	52.5	50.1	48.9	49.2	49.6	50.0	49.6	52.8
1933.	47.7	48.6	46.8	47.9	50.9	55.3	59.8	65.0	68.3	68.0	66.1	65.8	57.5
1934.	65.1	69.4	73.5	76.6	78.3	77.5	75.1	72.9	70.7	69.3	68.8	71.2	72.4
1935.	73.5	77.3	79.3	80.2	79.7	77.4	77.3	79.1	79.9	83.8	85.1	34.7	79.8
1936.	83.2	83.0	84.7	87.5	89.6	90.5	91.05	91.3	92.5	96.3	98.3	100.4	90.7
1937.	97.9	101.2	104.9	107.4	109.1	107.8	108.2	107.5	166.8	167.2	101.4	62.4	104.3
1938.	82.4	80.8	80.0	77.7	75.7	73.1	70.9	72.4	75.9	79.7	82.9	33.8	77.9
1939.	82.3	83.3	84.1	84.8	84.0	84.6	83.0	83.9	89.8	96.1	98.2	100.0	87.8
1940.	97.4	96.6	96.4	96.0	96.5	97.0							
PAY ROLLS													
1926.	99.9	166.4	108.6	167.8	105.5	106.1	100.2	104.7	104.6	108.2	103.9	101.1	104.8
1927.	93.6	101.8	104.8	104.6	104.7	161.2	94.8	98.5	96.1	97.7	93.7	94.7	98.9
1928.	90.1	98.0	101.0	101.4	103.9	103.0	99.0	104.5	104.8	109.4	106.1	105.8	102.3
1929.	102.2	111.5	114.6	117.5	118.7	115.8	109.8	115.4	114.6	114.4	102.9	97.4	111.2
1930.	91.0	96.1	96.8	97.0	94.8	90.3	79.1	76.0	75.4	74.4	68.6	66.1	83.3
1931.	59.1	63.7	65.2	64.6	63.7	58.7	53.6	52.2	48.81	47.7	45.3	44.9	55.6
1932.	40.7	41.8	39.5	36.9	35.8	32.6	29.4	27.9	27.9	29.8	29.5	28.0	33.4
1933.	27.5	27.8	25.8	27.5	32.0	36.4	39.6	45.2	16.0	46.3	43.6	43.8	36.8
1934.	43.1	49.6	54.8	59.6	60.9	59.2	51.3	51.7	47.11	48.2	48.1	52.7	52.2
1935.	55.1	61.6	63.6	64.9	62.6	60.0	58.2	62.5	64.6	70.4	71.9	73.5	64.1
1936.	69.1	68.1	73.2	78.2	81.0	81.6	78.7	79.8	80.1	88.6	92.4	97.3	80.7
1937.	90.3	96.8	104.9	112.0	113.3	109.9	106.1	109.2	104.7	107.0	93.8	80.2	102.4
1938.	56.5	56.6	65.8	65.0	53.5	61.1	58.1	63.1	68.1	74.6	77.6	79.6	57.6
1939.	76.0	77.7	79.4	79.5	78.8	80.7	76.0	81.5	87.8	99.6	100.9	104.6	85.2
1940.	98.2	96.7	97.6	97.2	97.5	100.0							
NONDURABLE-GOODS GROUP 2													
EMPLOYMENT													
1926.	100.7	101.1	101.2	99.4	98.0	98.5	97.7	100.7	104.4	104.2	102.4	101.9	100.9
1927.	101.1	102.3	102.6	101.2	100.0	101.1	101.2	103.3	106.2	104.9	102.8	101.3	102.3
1928.	100.1	101.3	101.3	99.4	98.0	98.7	99.4	102.2	105.1	105.4	104.1	103.61	101.6
1929.	102.3	104.3	105.0	105.4	103.9	104.4	105.6	108.2	110.8	110.2	106.6	103.6	105.9
1930.	101.4	101.2	100.5	99.6	97.4	96.3	94.3	95.3	98.5	96.2	92.3	89.9	96.9
1931.	87.5	88.7	89.5	89.4	88.9	87.4	87.8	89.5	90.9	88.1	84.3	83.2	87.9
1932.	81.4	83.0	82.1	79.51	75.9	73.4	71.5	75.9	82.2	83.9	81.8	79.8	79.2
1933.	78.1	80.1	77.0	79.1	82.0	87.1	91.8	97.0	100.8	100.3	95.6	92.5	88.5
1934.	91.8	97.2	100.2	100.4	99.3	97.6	97.0	101.2	95.8	101.8	99.0	99.4	98.4
1935.	99.3	101.3	102.2	101.7	99.5	98.6	99.6	103.7	107.2	106.1	103.7	103.2	102.2
1936.	101.0	102.0	102.7	103.0	102.8	103.1	105.4	110.7	114.5	113.1	111.3	112.2	106.8
1937.	111.2	113.7	115.1	115.0	113.8	112.6	113.5	116.8	117.6	113.3	106.7	102.2	112.6
1938.	98.5	100.9	100.7	98.7	96.0	94.9	97.8	104.4	107.3	104.6	103.1	103.8	100.9
1939.	101.7	103.5	104.0	103.0	101.6	101.8	103.5	108.1	110.2	110.8	109.2	108.0	105.5
1940.	105.3	106.1	105.1	103.0	101.4	101.7							
PAY ROLLS													
1926.	103.5	105.0	105.6	101.6	100.2	101.1	98.6	102.8	105.6	107.9	104.9	106.3	103.6
1927.	104.3	108.2	108.5	105.5	104.9	105.4	103.9	107.0	108.8	108.3	104.7	106.0	106.3
1928.	103.8	106.4	106.3	101.2	100.6	102.3	101.5	104.8	107.7	109.7	166.2	108.2	109.5
1929.	165.6	110.0	111.2	110.3	109.5	109.2	107.2	111.3	114.2	114.0	107.1	105.4	
1930.	102.6	103.5	103.0	100.3	97.6	95.7	91.6	92.6	95.3	92.5	87.0	85.8	85.6
1931.	82.8	86.5	87.9	86.0	84.8	82.4	81.1	82.2	80.5	77.7	72.9	72.3	
1932.	68.9	70.6	69.3	63.8	59.1	56.1	52.8	56.4	62.1	63.8	59.4	57.4	65.0
1933.	54.6	56.6	52.4	54.8	58.3	63.3	67.3	73.5	78.4	77.7	72.5	70.8	78.4
1934.	70.7	77.8	81.2	80.9	79.5	76.7	75.7	80.2	76.2	81.6	78.5	81.4	85.3
1935.	81.3	85.01	86.4	85.4	82.2	80.9	81.2	86.8	90.4	89.6	86.2	88.4	91.5
1936.	85.7	86.1	88.8	87.4	87.3	87.1	89.0	95.8	95.1	97.8	96.6	161.3	102.6
1937.	99.4	103.9	107.0	107.0	106.4	105.1	104.1	108.1	105.1	102.5	92.6	89.4	89.6
1938.	85.1	89.6	89.6	86.0	84.0	82.3	85.7	93.2	96.7	94.9	92.1	95.4	97.0
1939.	92.4	95.3	96.7	92.2	91.9	93.0	93.7	99.0	100.5	103.9	102.4	102.8	
1940.	98.4	99.1	99.0	95.4	94.9	95.6							

1Iron and steel and their products; machinery; transportation equipment; nonferrous metals and their products; lumber and allied products; and stone, clay, and glass products.

2Food and kindred products; textiles and their products; paper and printing; chemical, petroleum, and coal products; leather and its manufactures; rubber products; and tobacco manufactures.

Source: Department of Labor, Bureau of Labor Statistics. See source of table 379 regarding current figures.

No. 382.— EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES-  
INDEXES, BY INDUSTRY GROUPS: 1921 TO 1940

NOTE, Monthly average, 1923-25=100. See headnote, table 379

YEAR AND MONTH	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls
	Food and kindred products		Textiles and their products		Lumber and allied products		Paper and printing		Chemical, petroleum, and coal products		Rubber products		Leather and its manufactures	
1921	93.3	93.6	92.6	89.3	76.6	69.7	88.0	82.5		(2)			86.6	86.5
1922	96.5	91.6	97.3	91.4	97.4	82.3	92.2	85.9	8	(1)	8	8	97.3	96.1
1923	101.4	99.8	105.2	105.8	101.5	100.0	99.2	96.2	102.9	102.2	102.6	101.0	106.6	106.9
1924	98.3	99.3	94.9	93.8	93.3	98.5	99.7	99.5	96.8	96.4	91.8	92.9	96.3	95.3
1925	100.3	100.9	99.9	100.4	100.2	101.5	101.1	104.3	100.3	101.4	105.6	106.1	97.1	97.8
1925	99.7	102.0	99.9	100.2	100.3	102.4	104.1	110.8	106.5	108.7	105.1	107.0	96.6	98.9
1927	100.2	103.0	104.0	106.8	93.9	96.6	104.1	111.0	104.2	107.8	105.7	110.0	97.7	100.3
1928	103.8	106.3	101.3	101.7	92.1	94.1	105.0	112.3	103.0	108.0	111.1	117.5	95.6	95.8
1929	111.1	112.9	104.8	105.2	95.2	97.3	111.3	119.5	115.7	120.9	111.0	115.1	98.5	99.0
1930	107.8	108.0	92.9	85.6	75.8	72.5	108.0	114.6	109.4	112.2	85.91	84.7	91.2	82.3
1931	95.6	92.0	87.2	75.2	56.0	45.2	95.3	97.3	95.4	92.0	73.9	62.5	84.3	72.1
1932	88.6	75.0	77.9	53.6	43.6	26.6	85.5	74.8	85.6	71.7	67.6	43.4	81.2	57.6
1933	100.3	78.7	90.5	61.8	49.9	30.3	86.7	68.3	97.11	76.2	79.1	55.0	87.2	61.2
1934	119.2	98.1	96.7	73.3	56.6	37.4	97.4	80.4	110.8	90.9	88.8	69.3	94.0	73.2
1935	120.1	101.4	103.5	83.2	63.6	45.9	102.0	88.4	112.5	97.4	85.4	74.2	96.1	76.9
1936	126.2	109.1	107.9	87.4	70.9	57.5	107.9	96.6	116.1	105.8	90.4	86.8	98.0	77.7
1937	133.7	124.0	111.3	94.0	76.3	66.9	116.5	108.9	127.0	129.6	96.7	95.1	102.7	85.6
1938	126.9	120.2	96.0	76.9	62.2	52.7	109.7	101.6	112.9	115.9	74.9	68.1	95.4	74.6
1939	128.2	122.7	103.01	86.4	66.9	59.8	112.6	107.1	115.6	123.1	84.6	87.5	97.7	79.4
1940														
January-February	119.5	117.0	103.5	87.5	67.3	58.8	115.1	110.0	121.0	131.0	90.0	94.1	97.4	82.3
March	118.8	115.5	105.5	91.3	66.7	60.0	114.6	108.6	121.0	131.4	88.0	88.4	99.3	82.6
April	118.8	117.1	102.9	89.5	66.8	61.0	114.4	110.0	122.8	132.5	87.2	88.3	98.2	80.3
May	119.7	117.7	98.8	81.4	66.9	61.4	113.8	109.7	123.4	133.4	84.7	86.5	94.2	70.7
June	121.7	121.5	96.0	17.9	68.0	63.3	115.0	113.1	120.6	133.5	83.8	87.1	86.8	63.6
	129.7	129.0	93.7	75.4	68.3	63.6	114.5	112.3	119.0	133.2	83.4	86.4	86.8	67.0
	Stone, clay, and glass products		Iron and steel and their products <sup>2</sup>		Nonferrous metals and their products		Machinery, not incl. transportation equipment		Transportation equipment		Tobacco manufactures			
1921	72.2	66.5	66.6	57.0			77.5	69.65			108.3	104.5		
1922	85.5	72.6	84.1	70.6	8	8	81.7	72.2	8	8	105.8	99.11		
1923	100.4	98.3	104.1	103.5	104.8	102.8	105.8	104.1	107.6	107.7	105.7	104.1		
1924	98.9	100.5	97.0	96.5	96.8	96.3	94.9	94.9	93.1	90.8	98.8	99.4		
1925	100.7	101.2	98.9	100.0	98.4	100.9	99.3	101.0	39.3	101.5	95.5	96.5		
1926	103.8	104.2	102.3	104.8	(2)	(1)	107.4	111.1	99.1	99.5	90.9	92.1		
1927	99.9	100.5	97.1	98.5	97.0	101.1	102.4	106.2	87.9	89.8	93.4	91.0		
1928	95.7	96.2	97.0	100.6	(4)	(1)	104.95	111.3	96.2	101.6	90.7	86.1		
1929	93.8	93.7	103.3	108.3	110.2	115.3	125.9	134.3	103.5	105.4	83.9	81.8		
1930	80.2	76.9	89.9	86.3	(4)	(1)	104.9	102.7	80.2	70.2	78.3	72.7		
1931	63.7	53.9	70.3	55.7	72.4	61.4	78.3	64.2	66.3	52.3	72.1	60.1		
1932	46.71	30.6	57.4	31.31	58.0	38.6	57.0	37.3	55.5	37.8	65.6	48.2		
1933	49.4	30.8	65.8	39.9	62.6	41.1	60.8	40.5	54.5	35.6	63.1	44.1		
1934	61.6	41.7	80.2	53.9	76.3	55.3	79.4	59.6	83.4	61.4	68.1	50.6		
1935	66.6	49.0	87.1	66.5	86.3	68.3	89.1	73.5	95.3	78.1	65.4	51.5		
1936	76.3	61.4	100.4	87.2	96.1	81.7	103.3	93.8	103.2	93.2	66.0	54.8		
1937	85.8	75.5	114.51	111.2	108.5	102.5	124.0	126.2	118.3	115.1	66.6	60.9		
1938	71.8	59.6	85.5	68.2	86.4	74.2	90.9	82.3	74.0	68.4	65.2	58.8		
1939	79.4	69.8	95.9	90.9	98.2	93.1	99.1	99.6	95.4	95.1	64.6	59.0		
1940														
January	77.7	66.9	108.3	106.2	109.8	108.7	112.4	119.1	115.5	118.3	59.0	52.9		
February	75.5	65.3	106.7	100.9	107.2	103.4	113.1	119.3	114.8	118.6	61.7	54.0		
March	77.7	68.31	103.5	96.5	107.1	104.8	113.1	121.5	117.0	124.3	63.6	58.1		
April	80.5	72.2	101.7	94.9	105.6	103.1	113.6	121.6	115.4	122.6	63.8	58.7		
May	82.0	74.6	101.9	97.2	105.3	103.6	113.9	122.3	115.0	116.61	62.2	60.7		
June	82.9	73.4	163.7	102.8	106.6	105.8	115.1	125.1	112.3	118.8	64.9	66.9		

1 Not available.

2 Not including machinery.

Source: Department of Labor, Bureau of Labor Statistics. See source of table 379 regarding current figures.

NO. 388.-EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES-  
INDEXES, BY INDUSTRY GROUPS AND INDUSTRIES: 1935 TO 1939

NOTE.-Monthly average, 1823-25=100. See headnote, table 379

INDUSTRY GROUP AND INDUSTRY	EMPLOYMENT					PAYROLLS				
	1935	1936	1937	1938	1939	1935	1936	1937	1938	1939
Food and kindred products.	120.1	126.2	133.7	126.9	128.2	101.4	109.1	124.0	120.2	122.7
Baking	134.4	140.2	147.3	144.1	145.4	113.6	121.3	134.4	132.7	134.6
Beverages.	200.6	235.7	269.0	268.1	272.9	215.7	262.4	305.1	303.9	313.1
Butter.	96.9	99.3	102.2	98.7	95.4	74.2	77.8	83.1	82.5	80.8
Canning and preserving.	155.0	164.5	185.7	152.6	151.6	118.8	120.7	156.5	123.5	128.2
Confectionery	83.4	82.4	86.0	82.8	83.0	72.2	71.3	79.9	76.9	80.0
Flour.	79.0	77.4	78.7	77.3	79.2	66.2	68.5	73.7	72.9	75.4
Ice cream.	74.3	76.5	80.1	77.0	77.3	58.1	59.6	64.7	63.5	64.5
Slaughtering and meat packing	92.0	98.4	100.6	97.7	100.5	83.5	91.3	104.3	104.3	106.4
Sugar, beet.	112.1	110.5	113.7	111.2	113.4	84.3	92.2	105.9	109.4	108.2
Sugar refining, cane.	93.7	95.0	95.0	93.4	94.7	71.3	72.4	81.9	79.5	80.5
Textiles and their products.	103.5	107.9	111.3	96.0	103.6	83.2	87.4	84.0	76.9	86.4
Fabrics.	95.0	96.9	100.6	85.3	93.8	77.9	80.9	89.0	70.7	81.3
Carpets and rugs.	81.5	83.1	90.8	64.3	78.1	62.5	64.3	72.6	46.5	65.4
Cotton goods.	83.5	88.8	95.5	81.6	89.1	65.8	74.1	87.0	66.9	78.0
Cotton small wares.	85.8	86.4	88.1	72.3	84.1	73.4	76.9	80.4	64.7	79.0
Dyeing and finishing textiles.	118.2	120.2	124.2	114.1	126.0	94.5	100.9	108.1	95.5	107.6
Eats, fur-felt- Hosiery.	93.3	99.2	101.4	90.7	88.8	82.0	88.3	88.2	73.2	73.6
Knitted outerwear.	139.7	146.6	152.3	145.5	152.0	144.7	150.9	162.4	155.4	160.2
Knitted underwear.	103.7	96.0	85.8	67.4	71.5	89.4	80.7	70.2	51.3	57.1
Knitted cloth.	74.9	81.5	85.6	67.3	75.1	61.5	70.6	74.9	55.5	66.8
Silk and rayon goods.	175.1	179.5	174.9	129.4	138.9	129.2	140.2	143.8	102.5	113.9
Woolen and worsted goods.	100.2	91.9	93.0	71.6	73.9	73.3	66.5	71.0	51.8	56.5
Wearing apparel.	90.4	88.1	86.9	70.2	85.6	71.5	69.5	75.2	56.4	71.3
Clothing, men's.	121.0	130.3	131.4	116.4	119.4	90.7	96.5	98.8	84.4	91.2
Clothing, women's.	111.3	116.5	117.5	99.2	105.6	79.7	82.2	86.8	67.2	78.7
Corsets and allied gar- ments.	172.7	191.7	190.1	171.7	170.1	120.8	131.2	131.9	119.3	121.3
Men's furnishings.	102.2	102.2	107.1	103.3	112.9	93.8	97.7	103.3	106.8	117.1
Millinery.	125.1	141.1	147.5	130.9	131.5	113.3	121.8	126.0	112.0	118.1
Shirts and collars.	71.6	80.1	83.3	81.4	78.8	58.3	68.8	69.1	66.1	63.0
Gum and allied products.	113.9	121.1	126.7	115.9	122.0	96.6	101.2	104.2	88.1	102.6
Furniture.	63.6	70.9	76.3	62.2	66.9	45.9	57.5	66.9	52.7	59.8
Lumber, millwork.	75.6	86.8	98.3	79.5	86.9	53.6	67.6	81.2	61.8	73.6
Lumber, sawmills.	45.3	54.9	62.7	53.7	59.4	30.2	40.7	48.5	40.6	46.9
Paper and printing.	53.4	61.7	67.8	57.1	60.5	39.5	50.5	59.3	48.5	53.1
Boxes, paper.	102.0	107.9	116.5	109.7	112.6	88.4	96.6	108.9	101.6	107.1
Paper and pulp.	97.2	104.0	114.5	104.9	114.7	91.0	102.3	118.8	109.3	125.2
Printing and publishing:	105.3	106.8	114.3	104.3	108.5	86.7	95.6	114.0	100.4	110.3
Book and job.	95.0	99.7	106.0	99.7	99.6	79.3	83.0	91.6	84.4	86.4
Newspapers and period- icals.	101.6	109.2	115.8	113.8	114.8	92.7	100.9	106.6	104.8	107.1
Chemical, petroleum, and coal products.	112.5	116.1	127.0	112.9	116.6	97.4	105.8	128.6	115.9	123.1
Other than petroleum re- fining.	110.8	114.7	126.7	110.7	114.4	94.2	103.0	126.9	169.7	118.7
Chemicals.	115.5	124.2	138.5	115.4	122.7	102.2	117.0	148.9	124.1	139.8
Cottonseed-oil, cake, and meal.	91.1	91.9	114.2	111.1	93.4	62.8	65.5	90.6	90.1	79.2
Druggists' preparations..	106.5	106.9	116.0	110.1	111.5	101.4	105.1	120.5	116.5	122.6
Explosives.	77.6	81.5	91.8	86.0	93.1	67.7	82.6	103.4	93.5	107.2
Fertilizers.	94.6	95.1	113.1	101.6	106.1	66.3	70.0	92.9	80.6	84.3
Paints and varnishes.	116.0	122.7	132.7	117.4	122.0	98.8	111.6	131.2	115.0	126.2
Rayon and allied prod- ucts	315.7	320.0	344.1	284.7	238.5	249.8	260.7	321.7	252.1	285.4
Soap.	85.9	81.0	86.5	79.0	83.0	78.0	80.5	97.0	92.9	99.7
Petroleum retining.	119.4	121.8	128.3	122.0	120.4	107.9	115.1	138.2	136.1	134.3
Rubber products.	85.4	90.4	96.7	74.9	84.6	74.2	86.8	95.1	68.1	87.5
Rubber boots and shoes.	68.6	74.4	73.0	54.4	58.6	66.9	65.4	72.1	48.3	58.1
Rubber goods, other than boots, shoes, tires, and inner tubes.	120.6	129.7	144.1	118.2	139.7	99.0	114.5	136.3	105.3	133.9
Tires and inner tubes.	75.4	78.3	83.5	62.5	68.9	69.8	82.5	86.3	60.0	78.5
Leather and its manufactures.	96.1	98.0	102.7	95.4	97.7	76.9	77.7	85.6	74.6	79.4
Boots and shoes.	95.1	96.3	101.4	95.7	96.4	74.1	73.8	82.3	73.1	75.9
Leather.	92.9	94.1	92.6	78.1	86.5	81.4	84.9	89.6	73.0	84.3
Stone, clay, and glass prod- ucts.	66.6	76.3	85.8	71.8	78.4	48.0	61.4	75.5	59.6	69.8
Brick, tile, and terra cotta.	43.7	56.8	63.9	51.8	59.4	27.4	41.3	50.8	37.8	47.1
Cement.	56.0	62.2	71.5	64.8	66.7	39.8	50.6	64.9	57.8	62.3
Glass.	96.1	101.2	113.2	89.2	100.1	82.2	93.9	116.9	87.1	103.8
Marble, granite, slate, and other products-	39.7	49.2	54.3	47.5	50.1	26.8	36.0	40.4	34.3	37.7
Pottery	77.1	81.1	88.4	80.6	87.6	58.7	67.1	80.1	68.6	78.5

No. 383.- EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES-INDEXES, BY INDUSTRY GROUPS AND INDUSTRIES: 1935 TO 1939 Continued

INDUSTRY GROUP AND INDUSTRY	EMPLOYMENT					PAY ROLLS				
	1935	1936	1937	1938	1939	1935	1936	1937	1938	1939
<b>Iron and steel and their products, not incl. machinery- Blast furnaces, steel works, and rolling mills.</b>	87.1	100.4	114.5	85.5	95.9	66.5	87.2	111.2	68.2	90.9
<b>Bolts, nuts, washers, and rivets.</b>	92.1	107.1	123.5	90.9	102.0	68.7	93.0	122.5	68.9	96.8
<b>Cast-iron pipe.</b>	88.1	101.9	118.6	87.1	101.2	73.8	96.7	121.9	76.4	108.0
<b>Cutlery (not including sink and plated cutlery).</b>	60.3	72.1	78.4	68.2	74.0	39.2	55.9	68.4	54.2	65.3
<b>Forgings, iron and steel.</b>	81.9	87.8	100.5	84.9	94.7	67.0	76.2	92.3	70.4	84.5
<b>Larware.</b>	51.5	62.1	76.7	50.9	58.8	42.9	57.6	78.5	44.6	63.5
<b>Plumbers' supplies.</b>	80.8	87.6	103.3	73.8	87.7	67.0	81.6	103.2	66.3	90.5
<b>Stamped and enameled ware.</b>	66.6	76.2	83.5	73.1	77.6	50.0	60.3	71.8	56.3	69.2
<b>Steam and hot-water heating apparatus and steam stoves.</b>	150.5	166.0	183.8	134.2	152.0	128.2	154.0	183.2	128.3	153.6
<b>Structural and ornamental metal work-</b>	62.7	78.2	91.6	72.4	78.3	45.1	62.5	81.1	54.8	67.6
<b>Tin cans and other tinware-</b>	88.9	100.0	105.9	77.8	36.8	66.9	83.5	90.7	64.3	76.4
<b>Tools, not including edge tools, machine tools, tiles, and saws.</b>	55.2	68.9	78.6	60.6	69.3	36.2	52.6	69.1	48.9	60.1
<b>Wirework.</b>	91.0	101.5	109.7	93.8	97.1	82.9	95.0	110.8	94.4	101.5
	70.4	83.1	98.1	76.6	86.4	60.6	77.7	96.3	66.5	83.7
	139.7	160.0	185.8	127.8	149.4	117.8	145.3	181.6	117.2	155.3
<b>Nonferrous metals and their products.</b>	86.3	96.1	108.5	86.4	88.2	68.3	81.7	102.5	74.2	93.1
<b>Aluminum manufactures.</b>	125.9	140.0	154.8	124.1	150.5	102.8	125.3	161.1	125.2	164.1
<b>Brass, bronze, and copper products.</b>	96.7	110.9	127.6	96.9	113.2	79.0	98.5	126.7	86.7	117.8
<b>Clocks, watches, and time-recording devices.</b>	82.6	94.8	106.4	81.3	85.1	72.5	89.1	109.3	71.7	85.3
<b>Jewelry.</b>	78.7	81.9	91.0	84.3	92.5	60.0	64.0	76.6	67.9	76.5
<b>Lighting equipment.</b>	73.6	84.7	96.0	70.1	83.0	57.3	68.9	82.9	51.5	66.8
<b>Silverware and plated ware-</b>	60.1	57.8	67.0	62.7	69.7	47.3	46.9	58.9	51.0	62.6
<b>Smelting, lead and refining-</b>	66.2	76.3	87.8	73.8	79.0	50.3	65.7	87.4	69.1	75.1
<b>Machinery, not including transportation equipment.</b>	89.1	103.3	124.0	90.9	99.1	73.5	93.8	126.2	82.3	99.6
<b>Agricultural implements (including tractors).</b>	118.9	142.7	174.3	126.8	121.8	103.9	135.6	196.8	132.9	134.2
<b>Cash registers, adding machines, and calculating machines.</b>	116.0	129.4	148.4	136.4	128.1	95.4	115.4	150.7	124.4	123.4
<b>Electrical machinery, apparatus, and supplies.</b>	80.7	91.8	115.7	82.3	90.0	66.6	84.1	119.7	78.0	95.4
<b>Engines, and windmills</b>	69.2	81.2	103.1	86.2	99.1	61.1	79.9	115.7	91.8	117.8
<b>Foundry and machine-shop products.</b>	78.5	91.1	107.8	79.2	85.4	62.6	80.3	104.9	66.5	79.8
<b>Machine tools.</b>	99.5	129.0	166.9	130.5	150.9	91.4	131.5	192.0	124.9	175.6
<b>Radios and phonographs.</b>	152.7	173.0	164.8	100.5	133.9	117.8	140.7	142.8	86.6	120.5
<b>Textile machinery and typewriters and parts.</b>	62.1	70.1	82.5	62.3	76.7	54.3	65.8	84.7	51.8	72.9
	110.0	119.8	153.2	120.4	125.2	97.0	114.8	151.4	103.3	122.4
<b>Transportation equipment.</b>	95.3	103.2	118.3	74.0	35.4	78.1	33.2	115.1	68.4	95.1
<b>Aircraft.</b>	407.2	627.7	358.6	326.7	1325.1	341.3	523.8	764.4	768.6	1285.9
<b>Automobiles.</b>	110.4	113.9	128.3	75.8	97.9	89.5	102.8	124.1	69.2	97.5
<b>Cars, electric- and steam-railroad</b>	33.9	48.2	53.9	32.0	37.5	25.6	38.4	58.9	26.1	31.8
<b>Locomotives.</b>	19.5	27.0	16.3	24.6	23.5	12.8	22.0	47.8	21.1	21.6
<b>Shipbuilding-</b>	82.4	105.5	114.5	100.1	122.7	58.8	97.0	116.4	103.6	130.3
<b>Tobacco manufactures.</b>	65.4	66.0	66.6	65.2	64.6	51.5	54.8	60.9	58.8	59.0
<b>Chewing and smoking tobacco and cigarettes.</b>	63.3	62.5	63.6	63.1	61.4	60.7	61.6	68.3	68.0	66.4
	65.5	66.4	66.9	65.3	64.9	50.3	53.8	59.9	57.6	57.9

Source: Department of Labor, Bureau of Labor Statistics. See source of table 379 regarding current figures.

# No. 384. EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES-INDEXES, FOR SPECIFIED STATES: 1925 TO 1940

NOTE. Index numbers for New Jersey, Pennsylvania, and Delaware, relative to monthly average of the years 1923-25 as 100; for Massachusetts, New York, Illinois, and Wisconsin, monthly average of the years 1925-27. Reports cover the week ending nearest 15th of the month, except for New York prior to 1935 which covered the week including the 15th of the month. The indexes are adjusted for seasonal variation and are unweighted, except for Pennsylvania and Wisconsin as stated in footnotes.

YEAR AND MONTH	EMPLOYMENT							PAY ROLLS						
	Massachusetts1	New York2	New Jersey3	Pennsylvania3	Delaware3	Illinois4	Wisconsin5	Massachusetts1	New York2	New Jersey3	Pennsylvania3	Delaware3	Illinois4	Wisconsin5
1925.	100.1	101.3	99.1	97.5	98.7	99.8		99.5	99.2	101.8	98.3	101.4	97.9	
1926.	102.0	101.4	101.7	99.4	103.8	103.1		102.5	102.0	108.1	102.7	105.3	104.2	
1927.	97.95	97.3	95.0	95.7	101.7	97.1		98.0	98.8	100.7	97.0	98.1	98.0	
1928.	91.6	93.4	90.9	92.7	103.7	95.3		93.1	95.4	94.6	93.1	98.2	95.2	
1929.	94.3	97.9	103.2	98.4	112.2	102.6	106.2	96.5	101.7	107.8	102.1	112.9	101.3	109.7
1930.	81.5	86.05	93.9	89.5	103.1	88.4	90.3	79.7	85.6	94.9	85.6	101.4	77.6	83.6
1931	73.5	73.4	78.3	74.6	81.9	71.0	73.8	65.9	67.1	71.2	61.3	73.2	53.8	58.9
1932.	59.3	59.2	65.8	64.3	68.9	56.5	59.5	46.4	46.5	50.9	10.8	50.7	34.3	38.2
1933.	67.5	61.4	69.2	68.8	75.4	59.6	63.7	49.9	46.4	50.2	43.5	54.1	35.6	41.4
1934.	71.8	70.8	83.3	77.0	84.8	70.6	74.1	56.7	56.7	62.5	55.4	64.3	47.1	54.3
1935.	75.4	74.4	88.3	80.8	85.0	74.3	80.6	62.3	62.6	70.4	61.5	66.8	54.0	65.3
1936.	81.5	79.5	94.6	86.9	94.6	82.4	86.7	71.5	69.7	79.5	73.4	81.4	64.9	77.0
1937.	84.4	88.1	103.2	94.6	108.2	93.5	100.7	77.7	83.3	94.0	88.6	100.7	81.6	102.5
1938.	72.0	77.0	90.4	76.9	84.8	75.0	83.9	63.0	70.0	79.8	61.9	74.9	61.1	80.4
1939.	77.4	84.4	97.9	83.3	93.7	80.5	87.2	71.3	80.0	92.6	75.5	86.1	69.9	89.7
1939														
January.	74.9	80.0	92.8	78.6	89.0	75.2	80.6	67.6	74.4	84.7	67.4	81.9	63.2	79.5
February.	76.5	81.9	93.8	80.4	90.5	76.8	82.7	70.1	76.8	86.1	70.0	82.5	65.1	85.7
March.	76.8	82.7	94.2	80.6	91.4	77.8	83.6	70.4	79.4	88.1	71.1	84.7	67.3	86.7
April.	75.1	82.0	93.7	80.3	93.1	77.6	83.7	67.4	76.4	86.0	68.0	86.5	66.2	85.3
May.	73.7	80.4	94.3	79.1	92.8	77.6	84.5	66.2	74.4	87.3	67.9	85.3	66.4	86.3
June.	73.2	80.9	95.4	80.0	90.0	78.1	86.9	66.7	75.9	89.2	70.9	85.0	67.3	89.2
July.	75.3	80.6	94.4	81.2	89.0	78.3	89.2	69.3	75.8	87.7	69.7	81.1	66.6	86.6
August.	77.6	84.0	97.7	82.7	93.7	80.7	90.0	71.3	80.2	91.8	74.5	79.7	70.3	91.6
September.	79.0	87.5	100.1	83.7	99.9	82.3	90.9	73.3	82.4	94.2	74.9	86.7	71.7	90.1
October.	82.5	90.6	105.0	90.0	98.6	86.0	89.4	76.5	87.4	104.3	88.7	92.1	77.9	96.2
November.	82.8	91.3	107.4	91.7	98.2	87.7	92.1	78.0	87.8	106.4	89.7	92.9	77.8	99.4
December.	81.9	91.4	106.2	91.4	98.4	87.8	92.9	78.7	89.3	105.7	90.1	94.9	79.1	100.1
1940														
January.	80.8	89.7	103.4	88.9	97.1	86.0	91.0	76.8	86.2	100.6	84.4	91.1	75.7	94.7
February.	80.7	90.9	103.5	88.3	96.1	85.9	89.5	74.4	86.7	100.0	81.8	91.6	75.8	94.7
March.	78.0	91.5	103.7	86.8	96.9	85.4	90.9	73.9	89.2	102.2	80.7	93.9	75.2	96.8
April.	76.3	89.3	103.1	85.3	98.5	84.4	90.0	70.9	85.0	101.8	79.2	98.1	74.2	96.1
May.	74.9	88.4	103.8	84.3	98.9	84.7	90.4	70.3	85.0	103.9	79.0	97.0	74.8	97.9
June.	74.6	88.5	105.6	85.5	100.9	85.5	92.4	70.7	86.3	107.5	82.5	98.6	76.4	99.9

1 Compiled by Massachusetts Department of Labor and Industries, based upon monthly returns from approximately 1,800 manufacturing establishments employing about 60 percent of the factory wage earners in the State. Office workers assigned to productive departments are included, but not executives, salaried officers, etc. The employment indexes are adjusted to the annual State census of manufactures through 1936. Pay-roll indexes are based upon a computation of employment times average weekly earnings.

2 Compiled by the New York State Department of Labor, based upon monthly reports from approximately 2,412 manufacturing firms who employ about 38 percent of all the factory workers in the State. Reports cover employees in both office and shop including foremen. Executives and salesmen omitted, administrative and sales offices located away from the plants are not covered.

3 Compiled by the Federal Reserve Bank of Philadelphia. For New Jersey, indexes are based upon monthly reports to the bank for 1925 and 1926 and since then, to the New Jersey Bureau of Statistics and Records of the Department of Labor. Current reports are from about 830 manufacturing plants which account for approximately 60 percent of all wage earners engaged in manufacturing industries of the State and 67 percent of the total wage payments. For Pennsylvania, indexes are based upon reports collected by the bank in cooperation with the U. S. Bureau of Labor Statistics and the Pennsylvania Department of Labor and Industry. Current reports are from over 2,300 manufacturing plants and represent about 59 percent of the wage earners and 64 percent of the wage payments in the manufacturing industries of the State. Indexes are weighted according to the relative importance of each industry in the State totals. For Delaware indexes are based upon reports collected by the bank in cooperation with the U. S. Bureau of Labor Statistics. Current reports are from about 82 manufacturing plants and represent approximately 60 percent of all workers engaged in manufacturing industries of the State and 70 percent of the total wage payments. The indexes for these States have been adjusted to conform with the Federal Census of Manufactures data through 1937 and will be similarly adjusted to subsequent censuses.

4 Compiled by the Illinois Department of Labor, based upon monthly reports from about 2,500 manufacturing plants covering wage earners. (production employees) Reports represent approximately 69 percent of all wage earners engaged in manufacturing industries of the State and 78 percent of the total wage payments.

5 Compiled by the Industrial Commission of Wisconsin, based on monthly reports (covering manual employees only) from representative manufacturers who employ about 81 percent of total factory earners and whose payrolls are about 83 percent of total factory payrolls in the State. Employment and pay-roll indexes computed for months through July are weighted relatives of totals. Employment and pay-roll indexes for subsequent months and index for 1927 average weekly earnings for all months are unweighted relatives. The indexes have been adjusted to Census data through 1935. Comparable indexes for months prior to January 1929 are not available.



No. 385. EARNINGS, WEEKLY, IN MANUFACTURING INDUSTRIES INDEXES FOR SPECIFIED STATES: 1925 TO 1940

[Index numbers for New Jersey, Pennsylvania, and Delaware, relative to monthly average of the years 1923-25 as 100; for New York, Illinois, Wisconsin, and Massachusetts, monthly average of the years 1925-27: See also headnote, table 384]

YEAR AND MONTH		Massachusetts	New York	New Jersey	Pennsylvania	Delaware	Illinois	Wisconsin
1925.		99.4	97.9	100.7	99.6	99.4	98.5	
1926.		99.8	100.6	105.9	102.5	101.8	101.1	
1927.		100.8	101.5	109.0	102.6	103.1	100.5	
1928.		101.4	102.0	100.8	103.1	102.6	100.2	
1929.		103.3	103.9	113.0	106.9	106.7	101.1	103.2
1930.		96.4	99.5	111.3	98.1	103.2	95.8	92.2
1931.		88.3	91.2	101.7	81.1	93.9	83.2	79.5
1932.		75.0	78.5	88.4	63.0	75.9	65.8	64.0
1933.		73.5	75.4	83.5	65.6	72.6	64.2	64.6
1934.		79.9	80.1	86.4	76.6	76.0	72.0	73.2
1935.		85.0	84.1	92.2	82.2	78.5	78.1	80.9
1936.		88.8	87.5	99.2	92.9	85.1	84.8	88.7
1937.		96.6	94.5	109.4	105.1	91.1	94.7	101.7
1938.		90.9	91.7	106.7	91.2	85.5	88.4	95.9
1939.		95.8	94.7	114.0	102.6	88.9	94.1	102.8
	1939							
March.		95.4	95.9	112.8	101.2	89.6	93.9	103.7
June.		94.9	93.8	113.0	101.0	91.4	93.4	102.7
September		96.7	94.1	113.5	101.5	83.9	94.5	99.1
December		100.0	97.7	120.0	111.9	93.3	97.9	107.6
	1940							
March.		98.6	97.4	118.6	106.3	93.4	95.6	106.5
June.		98.7	97.5	122.6	108.9	94.6	97.1	108.0

Sources: See footnotes 1 to 5, table 384.

No. 386. EARNINGS, AVERAGE WEEKLY AND HOURLY, IN 25 MANUFACTURING INDUSTRIES, BY LABOR GROUP3: 1925 TO 1939

NOTE- Index numbers based on 1923 as 100. Data cover a representative number of plants which employed 1,760,000 workers during 1939. The earnings are computed by weighting the average earnings in each industry according to the relative importance of the industry as revealed by the Federal Biennial Census of Manufactures for 1923. In addition, each labor group is weighted according to the relative proportion of the group in each industry as revealed in the Conference Board's studies during the 3-year period 1927-29. The pay-roll data are based upon the first full week in each month, or, if a generally recognized holiday falls in that week, upon the succeeding week.

YEAR	ALL WAGE EARNERS		MALE, UN-SKILLED		MALE, SKILLED AND SEMISKILLED		FEMALE	
	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number
WEEKLY EARNINGS								
1925.	\$27.08	101.8	\$22.93	102.9	\$31.29	101.6	\$17.17	99.6
1926.	27.42	103.0	23.21	104.2	31.61	102.6	17.27	100.2
1927.	27.53	103.5	23.54	105.7	31.51	102.3	17.37	100.8
1928.	27.80	104.5	23.89	107.2	31.94	103.7	17.15	99.5
1929.	28.55	107.3	24.40	109.5	32.60	105.8	17.61	102.1
1930.	25.84	97.1	21.90	98.3	29.17	94.7	15.98	92.7
1931.	22.62	85.0	19.18	86.1	25.05	81.3	14.69	85.2
1932.	17.05	64.1	14.48	65.0	19.48	63.2	11.73	68.0
1933.	17.71	66.6	14.91	66.9	20.27	65.8	12.35	71.6
1934.	20.06	75.4	16.46	73.9	22.45	72.9	14.50	84.1
1935.	22.23	83.5	18.32	82.2	24.98	81.1	15.37	89.2
1936.	24.39	91.7	20.00	89.8	27.58	89.5	15.74	91.3
1937.	26.80	100.7	22.41	100.6	30.39	98.6	17.02	98.7
1938.	24.43	91.3	120.67	192.8	127.49	189.2	15.69	91.0
1939.	27.04	101.6	122.82	102.4	130.53	199.1	17.02	98.7
HOURLY EARNINGS								
1925.	.561	103.7	.455	102.7	.644	104.0	.339	101.6
1926.	.568	105.0	.461	104.1	.652	105.3	.398	103.9
1927.	.576	106.5	.471	106.3	.656	106.0	.398	103.9
1928.	.579	107.0	.474	107.0	.659	106.5	.396	103.4
1929.	.590	109.1	.486	109.7	.668	107.9	.398	103.9
1930.	.589	108.9	.478	107.9	.663	107.1	.395	103.1
1931.	.564	104.3	.460	103.8	.634	102.4	.371	96.9
1932.	.498	92.1	.400	90.3	.559	90.3	.325	84.9
1933.	.491	90.8	.401	90.5	.550	88.9	.340	88.8
1934.	.580	107.2	.479	108.1	.643	103.9	.427	111.5
1935.	.599	110.7	.495	111.7	.665	107.4	.437	114.1
1936.	.619	114.4	.501	113.1	.689	111.3	.434	113.3
1937.	.695	128.5	.570	128.7	.777	125.5	.473	123.5
1938.	.716	132.3	1.586	132.3	1.802	129.6	.482	125.8
1939.	.720 F	133.1	1.594	134.1	1.808	130.5	.475	124.0

1 Not including data for the silk industry.

Source: National Industrial Conference Board (Inc.), New York, N. Y.: monthly figures are published currently in Conference Board Economic Record and Conference Board Management Record.

No. 387. EMPLOYMENT AND PAY ROLLS IN NOXMANUFACTURING INDUSTRIES  
AND BUSINESS-INDEXES, BY KIND OF BUSINESS: 1931 TO 1940

[Monthly average, 1929=100]

YEAR AND MONTH	EM- PLOY- MENTROLLS	PAY	EM- PLOY- MENTROLLS	PAY	EM- PLOY- MENTROLLS	PAY	EM- PLOY- MENTROLLS	PAY	EM- PLOY- MENTROLLS	PAY	EM- PLOY- MENTROLLS	PAY	EM- PLOY- MENTROLLS	PAY
	Anthracite mining1		Bitumi- nous-coal mining1		Metallif- erous mining		Quarrying and nonme- talic mining		Crude-pe- troleum producing		Telephone and tele- graph 2		Electric light and power2	
1931.	84.3	76.9	88.9	61.2	59.1	44.8	67.4	53.4	65.7	61.7	86.6	93.7	96.4	97.8
1932.	68.2	56.0	76.3	41.3	36.5	21.6	49.0	29.1	55.3	44.1	79.1	81.1	82.9	80.6
1933.	59.5	49.0	79.9	45.4	34.6	20.6	44.9	24.7	62.2	44.1	70.6	68.5	77.3	71.8
1934.	69.4	59.9	92.3	64.0	41.6	26.7	48.9	29.6	77.7	56.9	70.7	72.2	79.8	76.4
1935.	64.7	52.2	94.9	70.1	47.3	33.9	46.0	30.7	74.9	57.9	70.7	75.6	81.4	81.2
1936.	62.5	49.5	97.5	82.7	60.3	48.4	49.5	38.9	72.9	58.6	73.1	30.5	86.7	89.0
1937.	60.2	46.9	99.3	88.5	76.8	74.0	51.4	45.4	76.6	68.2	78.9	91.5	92.4	100.6
1938.	52.3	38.2	86.7	67.9	59.0	50.4	42.3	35.1	72.1	66.5	76.2	94.1	89.5	99.7
1939.	50.6	39.5	78.6	69.9	62.7	56.0	44.6	38.7	65.8	61.0	75.8	95.6	89.0	100.4
1939														
January.	50.0	38.0	88.7	78.2	62.6	55.3	38.3	30.2	67.0	60.9	75.1	93.9	87.4	97.3
February.	52.2	45.2	88.6	81.2	60.9	53.4	37.9	29.7	66.4	62.7	74.3	93.6	86.9	97.7
March.	51.7	34.2	87.4	77.8	61.0	53.6	40.1	33.1	66.2	61.3	74.4	93.8	87.0	98.2
April.	53.0	43.4	25.9	17.6	61.5	52.6	43.0	35.9	65.8	60.8	75.1	94.0	87.7	98.3
May-	52.6	57.0	47.9	20.4	61.9	54.1	45.6	39.7	66.1	61.2	75.8	95.7	88.2	99.9
June.	51.2	36.1	78.3	66.5	61.6	53.8	47.3	41.7	67.0	62.5	76.4	95.7	89.2	101.2
July	44.7	25.2	79.4	64.5	60.4	48.5	47.5	40.9	67.3	61.9	76.5	96.6	90.0	101.1
August.	48.5	33.8	81.4	74.5	60.4	53.0	48.1	42.9	66.7	62.0	76.6	96.3	90.6	102.2
September.	49.4	40.1	85.4	80.2	62.9	55.1	47.9	42.7	65.0	60.8	76.4	96.9	90.6	102.2
October.	51.9	52.2	93.0	97.6	65.3	63.4	48.0	45.6	64.3	58.8	76.5	97.2	90.4	102.0
November.	51.3	42.0	94.9	96.3	66.5	63.9	47.1	42.9	63.8	59.6	76.1	96.4	90.3	102.5
December.	51.0	26.6	92.6	84.3	67.3	65.0	44.0	39.2	63.8	59.2	75.8	97.4	90.1	102.4
1940														
January.	51.5	52.5	91.8	87.0	66.4	63.6	37.8	29.6	63.2	58.4	76.1	97.4	89.1	101.6
February.	52.0	32.9	91.7	87.0	66.3	64.2	38.3	30.8	63.0	59.0	75.9	96.9	89.2	102.2
March.	52.6	38.4	89.7	78.3	66.2	63.2	41.0	34.1	63.2	58.4	76.0	98.1	89.3	102.3
April.	51.6	36.3	86.2	72.2	67.7	63.5	44.5	38.1	63.1	59.0	76.7	98.7	90.0	103.3
May	52.2	40.0	85.1	75.3	69.2	65.7	46.9	42.7	63.3	58.7	77.3	98.8	90.6	104.2
June-	50.2	40.6	83.8	73.9	70.3	65.4	47.9	43.9	63.8	58.8	77.8	100.0	91.2	104.8
RETAIL TRADE1														
	Street railways and busses22		Wholesale trade 4		Total		General merchan- dising		Year-round hotels15		Laundries1		Dyeingand cleaning1	
1931.	84.5	82.7	85.8	81.9	85.8	80.0	92.1	87.9	86.3	81.4	93.1	88.3	85.6	76.1
1932.	75.3	67.2	76.8	64.2	75.1	61.6	82.6	69.7	74.1	60.9	85.4	70.5	79.8	59.3
1933.	69.7	58.1	76.1	56.8	74.2	55.2	84.2	65.4	70.1	51.0	83.1	60.3	84.4	53.7
1934.	71.5	61.3	82.8	63.0	81.8	63.7	89.7	73.0	83.2	63.8	87.9	66.0	92.7	62.6
1935.	70.8	62.7	84.0	65.6	84.4	68.9	89.6	74.5	87.4	68.2	90.1	68.4	97.7	66.3
1936.	71.6	66.1	86.7	69.4	88.7	74.1	94.3	79.5	90.9	72.7	95.6	75.6	104.4	71.9
1937.	72.7	69.6	92.0	76.6	93.1	82.2	99.3	88.3	94.9	80.6	100.6	83.0	107.5	77.6
1938.	69.8	68.6	88.8	74.7	88.3	78.6	94.0	84.3	92.7	80.3	95.7	80.6	104.3	75.3
1939.	69.0	69.5	88.2	76.6	89.8	80.8	96.8	86.9	92.0	81.2	95.9	83.1	101.3	73.6
1939														
January.	68.6	70.0	88.3	75.5	85.4	77.6	86.6	80.7	91.8	80.2	93.3	79.6	94.2	65.8
February	68.7	68.7	87.9	74.6	84.9	76.5	85.2	78.1	92.6	82.8	92.8	78.6	92.1	63.2
March.	68.9	69.3	87.4	74.7	86.9	77.7	89.1	80.3	92.7	81.1	92.9	79.3	95.4	67.7
April.	68.5	68.4	87.3	74.8	88.5	79.6	92.7	83.5	93.2	81.9	93.5	79.9	102.2	73.3
May.	68.9	68.9	87.2	74.9	88.8	79.9	92.8	83.6	93.9	82.4	95.5	83.9	107.0	83.0
June.	69.3	70.0	88.1	75.8	89.4	81.1	93.3	85.1	92.8	82.0	98.7	86.9	110.1	84.2
July.	69.1	69.4	87.9	75.8	87.2	79.5	88.2	81.3	90.3	79.1	100.0	88.0	106.5	77.1
August.	69.2	69.8	89.0	76.2	86.3	78.0	86.3	78.6	89.8	79.2	99.1	85.9	102.7	73.0
September	69.2	69.2	90.5	78.0	90.5	80.9	95.8	85.3	91.3	80.4	97.8	84.5	105.2	78.3
October.	69.5	71.2	92.4	80.3	91.7	83.2	98.9	88.5	92.9	82.2	96.0	83.9	105.1	77.3
November.	69.3	69.4	92.1	79.0	93.3	83.6	105.9	92.4	91.8	81.8	95.6	82.9	97.8	70.8
December	69.0	69.8	92.2	79.1	104.2	91.8	146.4	125.8	90.8	81.1	95.6	83.7	97.4	69.9
1940														
January.	68.8	69.0	90.6	77.1	87.7	79.9	89.3	82.8	91.3	81.1	96.0	83.4	94.0	65.5
February.	68.7	71.5	90.2	77.1	87.0	79.1	87.9	80.8	92.1	82.7	95.8	83.1	93.7	64.4
March.	68.2	69.5	90.5	77.8	91.1	82.0	96.4	85.9	92.0	81.8	96.2	84.1	99.5	72.7
April.	68.3	69.2	89.3	77.4	89.8	82.3	92.9	85.0	92.7	83.2	97.2	85.6	104.5	79.6
May.	68.4	69.2	88.9	77.4	91.2	83.4	95.1	86.6	93.4	83.0	99.1	88.5	108.7	85.4
June.	68.5	70.5	89.6	78.4	91.9	84.8	96.2	89.3	92.0	82.0	102.1	92.4	112.6	89.6

Adjusted to census figures through 1935.

2 Adjusted to 1937 census figures for electrical industries.

3 Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies.

4 Adjusted to 1933 census figures.

5 Covers year-round hotels having 25 or more guest rooms. Cash payments only; value of board, room, and tips cannot be computed.

Source: Department of Labor, Bureau of Labor Statistics. Indexes are published currently in the Monthly Labor Review and in a pamphlet, "Employment and Pay Rolls."

# No. 388.- EMPLOYMENT, PAY ROLLS, AND AVERAGE WEEKLY WAGES FOR FULL-TIME EMPLOYEES, BY OCCUPATIONAL GROUPS, FOR SPECIFIED INDUSTRIES OR BUSINESSES: 1935

NOTE: Pay-roll figures are in thousands of dollars. Data are for 1 week in 1935—in general, the week ended October 26, but where this period was not representative figures are for 1 week of normal employment. The figures are summarized from reports secured in connection with the 1935 Census of Business, and cover only those establishments or concerns which gave detailed information by occupational groups. For the average number of employees (full-time and part-time) and total pay rolls 1935, consult index for references to data for the individual industries and businesses shown in Business in this publication.

INDUSTRY AND OCCUPATIONAL GROUP	Full-time employees	Pay roll for week	Avg. weekly wage	INDUSTRY AND OCCUPATIONAL GROUP	Full-time employees	Pay roll for week	Avg. weekly wage
WHOLESALE TRADE				OTHER INDUSTRIES—Con.			
Full-service and limited-function wholesalers.	678,064	20,831	\$30.72	Motor trucking for hire.	97,424	2,467	\$25.32
Executives and salaried corporation officers.	57,626	4,535	78.69	Executives.	4,037	248	61.33
Office and clerical employees.	151,418	3,735	24.67	Office and clerical.	12,072	291	24.14
Inside selling employees.	59,898	1,671	27.90	Warehouse and platform.	7,332	168	22.92
Outside selling employees.	134,305	5,173	38.52	Transportation crew.	66,025	1,548	23.44
Warehouse employees.	133,199	2,789	20.95	Maintenance and service.	4,913	136	27.66
Other employees.	141,578	2,927	20.66	Other employees.	3,045	76	25.07
Manufacturers' sales branches with stocks.	188,577	7,075	37.52	Public warehousing	16,691	449	26.90
Executives and salaried corporation officers.	4,179	530	126.79	Executives.	1,250	821	55.40
Office and clerical employees.	54,516	1,582	29.02	Office and clerical.	3,023	85	28.06
Inside selling employees.	8,169	346	42.34	Warehouse and platform.	9,000	195	21.62
Outside selling employees.	62,618	3,064	48.93	Other employees.	3,418	88	25.69
Warehouse employees.	31,120	783	25.17	Radio broadcasting stations.	10,287	388	37.72
Other employees.	27,975	770	27.51	Executives.	437	42	96.29
Manufacturers' sales offices, without stocks.	34,328	1,678	48.88	Supervisors.	690	43	62.07
Executives and salaried corporation officers.	1,232	188	152.20	Office and clerical.	2,035	495	24.25
Office and clerical employees.	13,843	436	31.53	Station technicians.	2,360	84	35.43
Inside selling employees.	1,905	84	44.00	Station talent:			
Outside selling employees.	14,754	876	59.35	Artists.	1,999	82	41.03
Other employees.	2,594	94	36.41	Announcers.	1,556	45	28.94
Bulk-tank stations.	65,911	2,184	33.14	Other employees.	1,210	43	35.66
Executives and salaried corporation officers.	2,395	147	61.31	Advertising agencies.	12,919	790	61.14
Office and clerical employees.	10,120	314	31.02	Executives and salaried corporation officers.	2,335	344	147.44
Inside selling employees.	2,459	78	31.72	Other employees.	10,584	446	42.10
Outside selling employees.	24,539	906	36.92	Insurance carriers: Home offices.	153,106	5,058	33.04
Warehouse employees.	9,293	259	27.82	Executives and salaried corporation officers.	8,741	1,073	122.71
Other employees.	17,105	481	28.13	Office and clerical employees.	123,625	3,397	27.48
Agents and brokers.	61,378	2,362	38.49	Direct selling employees.	10,345	2581	24.99
Executives and salaried corporation officers.	7,857	726	92.35	Other employees.	10,395	331	31.81
Office and clerical employees.	23,536	630	26.75	Insurance carriers: Branch, departmental, and managerial offices.	127,099	5,079	39.96
Inside selling employees.	3,859	162	42.04	Executives and salaried corporation officers.	2,975	277	92.99
Outside selling employees.	11,976	564	47.06	Office and clerical employees.	53,476	1,410	26.37
Warehouse employees.	5,854	118	20.12	Direct selling employees.	63,151	3,094	49.00
Other employees.	8,296	164	19.73	Other employees.	7,497	298	39.69
RETAIL TRADE				Insurance agencies.	59,764	1,925	32.21
Total.	2,641,041	51,661	19.56	Executives and salaried corporation officers.	5,946	479	80.64
Executives and salaried corporation officers.	107,342	5,277	49.16	Office and clerical employees.	34,512	847	24.54
Office and clerical employees.	217,887	4,523	20.76	Direct selling employees.	18,547	581	31.34
Selling employees.	1,230,132	24,170	19.65	Other employees.	7591	18	23.15
Waiters and waitresses.	301,106	3,489	11.59	Insurance and real estate offices.	27,701	728	26.29
Other employees.	784,574	14,202	18.10	Executives and salaried corporation officers.	4,324	242	56.00
OTHER INDUSTRIES				Office and clerical employees.	16,180	313	19.32
Motor bus transportation.	29,752	859	28.87	Direct selling employees.	6,382	158	24.71
Executives.	998	72	71.85	Other employees.	815	16	19.66
Office and clerical.	3,234	801	24.84	Real estate offices.	15,036	403	26.80
Transportation crew.	17,165	486	28.30	Executives and salaried corporation officers.	1,794	112	62.31
Maintenance and service.	6,252	173	27.63	Office and clerical employees.	8,153	177	21.66
Other employees.	2,103	48	22.98	Direct selling employees.	4,605	107	23.17
				Other employees.	484	8	16.25

1 Figures do not include employees of commission bulk-tank stations.

Source: Department of Commerce, Bureau of the Census; Census of Business Wholesale Distribution, Vol. V; Retail Distribution, Vol. V; separate reports for specified businesses.

No. 389. WAGE RATES PER HOUR AND HOURS PER WEEK INDEXES OF UNION SCALES IN BUILDING AND PRINTING TRADES, BY OCCUPATIONS: 1909 TO 1939

NOTE. Data for the earlier years cover 39 cities. The coverage was gradually extended until, beginning with 1938, 72 cities were included. Prior to 1938 the figures were based upon the scale prevailing May 15 each year. For 1938 and 1939 the study was made as of June 1. The relative wages are percentages which indicate the change in wages per hour. The relative hours are percentages showing the change in the regular full-time hours per week, account not being taken of loss of time from slack work or other causes, nor of overtime work.

[Rates and hours for 1929=100]

YEAR	33 EE	EE	EE	EE	23 EE	EE	33 EE	EE	23 EE	EE	33 EE	EE	EE	EE
BUILDING TRADES-JOURNEYMEN														
	All build- ing trades		All jour- ney- men		Asbestos workers		Brick- layers		Carpenters		Cement finishers		Electricians (inside wiremen)	
1909.	35.1	106.8	35.5	106.4			39.7	107.3	35.9	104.4	39.6	108.9	35.3	108.8
1910.	36.5	105.5	37.0	105.2			40.4	105.3	37.6	103.1	40.0	108.7	36.3	108.0
1911.	37.1	105.1	37.6	104.8			40.4	104.9	38.1	102.6	41.5	107.7	36.7	108.0
1912.	37.9	104.8	38.5	104.5			41.0	104.9	38.9	102.5	41.5	107.7	37.1	107.6
1913.	38.8	104.6	39.4	104.2			41.7	104.7	39.5	102.4	42.5	106.5	37.9	107.2
1914.	39.6	104.2	40.3	103.9			42.8	104.2	40.1	102.0	42.9	105.8	39.1	106.8
1915.	39.9	104.1	40.6	103.8			42.9	104.1	40.6	102.0	43.3	105.8	39.9	106.2
1916.	41.2	103.7	42.0	103.4	40.0	103.0	43.3	103.9	41.8	102.0	43.7	104.2	40.7	105.3
1917.	43.8	103.5	44.3	103.2	42.1	102.6	44.8	103.6	45.5	102.0	46.2	103.0	43.3	104.9
1918.	48.6	102.9	49.0	102.6	47.1	102.0	48.1	103.6	50.5	100.9	51.0	102.5	48.2	104.2
1919.	55.7	102.4	56.0	102.2	57.3	101.0	53.4	103.4	58.2	100.3	57.2	101.7	55.2	103.3
1920.	75.2	101.9	74.9	101.7	74.5	100.9	72.8	103.3	77.8	100.4	77.7	101.2	72.8	103.0
1921.	76.6	101.8	76.3	101.6	75.5	101.1	72.3	103.3	78.4	100.3	80.3	101.2	75.4	103.0
1922-	71.8	101.8	71.9	101.7	70.3	101.1	70.4	103.3	72.7	100.4	74.5	101.1	71.1	103.0
1923.	79.4	101.9	79.2	101.8	72.9	100.9	79.7	103.3	81.0	100.7	81.5	101.1	73.8	103.0
1924.	85.7	101.9	85.6	101.8	81.4	101.0	84.3	103.2	86.7	100.6	90.1	101.1	82.4	102.9
1925.	89.0	101.9	88.8	101.8	84.6	101.0	89.2	103.1	88.5	100.6	90.6	100.8	86.7	102.9
1926.	94.8	101.7	94.7	101.6	90.5	101.0	94.7	103.2	95.0	100.6	96.7	100.8	91.3	102.9
1927.	98.1	101.5	97.9	101.4	95.0	100.9	97.0	102.7	98.1	100.6	101.0	100.5	95.1	102.9
1928.	98.7	100.9	98.7	100.7	95.6	100.9	97.8	102.7	98.4	100.0	100.0	99.9	96.0	102.4
1929.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1930.	104.2	97.2	104.1	97.1	105.8	96.3	102.4	97.6	104.0	96.9	106.6	96.1	101.8	97.6
1931.	104.5	96.0	104.5	95.8	106.8	94.0	102.2	96.1	104.2	95.4	107.0	95.0	103.2	96.6
1932.	89.3	94.3	89.3	94.1	89.0	92.8	87.5	93.9	85.4	93.0	93.4	93.9	98.5	94.3
1933.	86.8	94.0	86.9	93.8	88.7	91.8	85.2	94.9	85.2	91.6	91.2	95.7	89.9	94.3
1934.	87.4	90.5	87.4	90.3	88.6	91.7	84.5	93.3	86.7	90.8	92.1	92.2	90.1	88.7
1935.	88.4	89.8	88.4	89.6	89.8	91.0	84.2	93.2	87.8	90.4	92.6	92.0	94.4	85.1
1936.	91.6	89.8	91.3	89.6	93.4	91.3	84.7	93.2	92.3	90.5	95.0	91.6	96.9	85.4
1937.	98.0	90.2	97.6	90.0	100.6	91.0	90.6	94.1	98.3	90.3	101.9	91.7	101.1	89.6
1938.	106.7	88.7	106.1	88.4	110.3	89.5	100.1	91.0	107.1	88.6	111.3	88.9	111.4	89.1
1939.	107.4	88.5	106.8	88.3	110.8	89.5	100.6	91.1	107.3	88.6	111.7	88.9	112.0	88.8

BUILDING TRADES-JOURNEYMEN-continued

	Elevator construc- tors		Engineers (portable and hoisting)		Glaziers		Granite cutters		Lathers		Marble setters		Mosaic and terrazzo workers	
1909.							37.4	102.3			39.0	101.5		
1910.							37.6	101.9			39.5	101.3		
1911.							37.7	101.6			39.9	100.9		
1912.			41.8	105.6			38.1	101.2	39.4	104.0	40.1	100.9		
1913.			43.0	104.1			40.1	100.0	40.3	104.0	42.7	100.9		
1914.	41.8	102.7	43.6	104.0.			40.3	100.4	41.0	104.0	43.2	100.7		
1915	42.1	102.2	43.6	103.5			40.5	100.4	41.5	103.5	43.6	100.7		
1916.	43.1	102.1	44.1	103.1			42.2	100.3	42.7	103.5	43.8	100.5	37.7	103.9
1917.	46.2	101.6	46.5	102.4			43.8	100.3	44.4	103.0	43.8	100.4	39.7	103.9
1918.	49.2	101.6	53.2	100.8	45.9	101.6	52.2	100.3	47.9	103.0	46.1	100.4	42.9	100.2
1919.	57.3	100.9	58.3	100.3	49.1	101.6	61.7	100.3	53.3	102.7	51.2	100.0	46.1	100.2
1920.	73.6	100.8	75.5	99.8	71.0	101.2	76.0	100.3	76.0	102.1	67.7	100.0	68.2	100.2
1921.	77.4	100.7	76.7	99.4	72.2	101.6	83.7	100.1	77.2	101.9	68.8	100.1	69.4	100.2
1922.	72.4	100.4	72.2	99.1	72.4	101.7	83.5	99.3	72.5	102.0	67.4	100.1	67.4	100.2
1923.	76.9	100.5	79.8	98.7	76.7	101.2	85.1	99.9	80.1	102.3	76.2	100.1	69.0	100.2
1924.	86.3	100.5	84.8	98.7	80.9	101.2	85.8	100.2	86.4	102.1	79.7	100.1	81.5	100.3
1925.	90.5	100.4	88.5	99.0	90.0	100.8	86.8	100.3	94.2	101.8	81.4	100.1	85.7	100.2
1926.	95.3	100.4	93.4	99.2	91.2	101.2	97.7	100.1	96.6	101.5	91.0	100.1	87.5	100.2
1927.	98.8	100.4	96.4	100.8	97.4	101.5	97.1	100.3	100.5	101.0	92.9	100.0	91.1	99.9
1928.	99.8	100.4	100.4	99.7	98.5	101.1	98.2	100.3	100.8	100.5	93.4	100.0	95.3	99.9
1929.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1930.	104.7	96.8	107.7	95.1	104.6	96.8	105.1	95.2	104.3	94.3	100.3	94.7	104.7	94.5
1931.	105.2	95.0	107.7	93.7	105.3	95.1	105.2	94.4	103.7	93.8	100.8	93.0	105.6	93.6
1932-	97.9	95.0	100.7	92.6	88.2	92.9	94.2	94.8	93.1	93.3	92.3	92.0	97.2	89.8
1933.	91.0	93.0	99.6	91.7	88.0	92.9	90.7	93.6	89.7	92.9	89.2	91.9	89.5	91.1
1934.	91.2	92.2	101.4	89.7	93.2	88.1	90.6	92.1	92.1	87.5	88.8	90.9	90.8	90.9
1935.	91.3	91.9	103.1	89.2	94.1	87.5	90.5	92.1	93.1	87.4	89.4	90.9	90.8	90.3
1936.	92.4	92.6	104.2	89.7	95.5	87.8	90.5	91.5	95.5	86.5	89.9	90.8	91.1	89.4
1937.	96.0	92.4	112.6	89.5	104.6	87.9	91.0	91.9	101.8	87.7	95.1	90.8	95.4	90.0
1938.	107.7	91.7	116.0	89.3	112.2	86.3	96.3	85.3	112.7	86.1	103.2	90.8	106.0	87.7
1939.	109.5	89.5	117.4	89.2	113.0	86.1	97.7	85.3	116.4	85.4	103.5	90.8	107.5	87.7

No. 389.— WAGE RATES PER HOUR AND HOURS PER WEEK INDEXUS OF  
UNION SCALES IN BUILDING AND PRINTING TRADES, BY OCCUPATIONS: 1909  
TO 1939 Continued

[ Rates and hours for 1929=100 ]

YEAR	33 ER		33 EE		E F		E I		33 EE		E E		83 BR		E EE		E FR		83 ER		E
BUILDING TRAD-S-JOUENEYIN-continued																					
	Painters		Plasterers		Plumbers and gas fitters				Roofers, composition		Roofers, slate and tile				Sheet-metal workers				Sign painters		
1909.	32.6	110.7	40.1	108.3	38.8	104.8										34.7	105.3				
1910.	34.6	109.3	10.5	168.2	39.1	104.6										35.7	105.3				
1911.	35.3	108.6	40.8	108.8	41.4	104.3										36.8	105.0				
1912-	35.7	108.5	41.6	107.5	41.6	103.5										37.6	103.7				
1913.	37.3	107.9	42.0	107.5	43.0	103.5										39.3	103.5	39.9	106.7		
1914.	38.5	107.6	42.2	107.4	43.6	103.1	36.2	103.7	37.0	104.0						40.7	103.4	40.1	106.3		
1915.	38.7	107.5	42.4	106.9	43.0	103.1	37.11	103.7	35.4	104.0	41.3	103.2	40.1	106.0							
1916.	42.3	106.9	43.9	105.8	44.3	102.6	37.4	103.7	39.5	103.6	12.0	102.8	40.9	106.1							
1917-	43.6	106.8	45.2	105.7	45.8	102.5	39.5	103.0	42.1	101.8	13.8	102.7	42.7	105.6							
1918.	48.1	106.3	47.6	105.4	50.6	101.6	44.8	102.5	46.1	101.8	51.31	101.6	46.7	105.5							
1919-	56.3	106.1	54.9	105.4	57.2	101.3	49.8	102.5	52.5	101.5	56.6	101.2	56.1	105.4							
1920.	76.7	103.05	71.7	105.2	74.0	101.3	70.8	102.5	67.9	101.5	75.9	100.8	75.7	105.3							
1921	78.9	103.1	75.6	104.9	77.4	101.1	74.2	100.6	73.9	101.4	78.7	100.8	78.5	105.4							
1922.	73.8	103.9	72.7	105.0	71.9	101.1	71.0	100.6	70.7	101.3	73.0	100.7	77.8	105.4							
1923.	81.0	103.6	81.0	105.5	79.2	101.1	71.9	100.6	78.8	101.6	78.6	100.7	84.0	103.4							
1924.	85.35	103.5	30.6	105.6	86.6	101.1	83.3	100.6	87.3	101.2	36.3	100.7	95.7	101.6							
1925.	90.0	103.8	92.1	105.3	88.4	101.1	85.8	100.6	91.3	101.2	89.2	100.7	96.7	101.6							
1926.	95.4	103.4	98.9	102.2	95.2	101.1	93.3	100.6	94.3	101.2	95.3	100.7	96.2	103.7							
1927.	98.6	103.0	101.0	101.8	97.2	100.9	95.9	100.6	93.8	101.2	98.2	100.4	98.9	101.8							
1928.	100.2	100.3	101.2	100.9	99.21	100.9	98.1	100.5	99.0	101.2	96.3	100.1	99.0	101.7							
1929.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0							
1930.	105.6	98.9	105.0	87.7	103.9	95.4	106.0	96.1	103.1	95.7	104.6	96.3	89.9	99.1							
1931.	106.1	98.0	104.7	97.0	105.1	94.1	106.7	94.9	103.5	94.1	106.2	94.7	99.8	98.1							
1932.	89.6	97.9	87.1	95.2	91.4	93.7	93.2	93.9	89.9	94.1	92.1	93.3	30.1	97.6							
1933.	87.8	97.75	83.7	97.2	90.6	93.3	91.2	95.1	87.7	94.1	39.4	93.2	83.2	97.8							
1934.	86.4	85.6	84.6	93.1	91.4	92.4	93.0	92.6	87.2	93.81	89.7)	91.9	82.9	95.1							
1935-	86.7	85.5	85.6	91.6	92.8	91.8	95.6	92.5	89.5	92.6	90.4	92.0	85.6	93.1							
1936.	91.1	85.9	86.1	90.1	95.2	90.6	96.2	93.11	90.2	93.4	92.2	91.9	87.6	92.9							
1937.	97.7	85.9	94.9	90.2	100.4	91.1	103.7	93.2	96.9	93.3	98.9	92.0	96.8	92.9							
1938.	104.2	86.0	106.1	86.5	112.5	36.5	114.8	91.5	103.4	92.2	108.8	90.1	97.7	92.0							
1939.	105.0	85.7	107.0	86.5	113.5	86.8	115.2	91.6	104.4	92.2	110.4	90.1	97.9	91.9							

## BUILDING TRADES-JOURNEYMEN-continued

**BUILDING TRADES-  
HELPERS AND LABORERS**

	Steam and sprinkler fitters		Stone- cutters		Stone- masons		Structural- iron work- ers		Tile layers		All helpers and labor- ers		Building	
1909.	38.9	105.6	38.2	101.2	35.3	106.8	37.2	104.5			33.2	108.5	35.3	108.1
1910.	36.1	105.0	38.4	101.2	35.6	105.2	39.5	103.4			34.3	106.6	36.7	105.5
1911.	37.3	104.9	38.5	101.2	36.0	104.5	40.5	103.2			34.5	106.4	36.8	105.5
1912.	37.9	104.2	38.6	100.9	36.4	104.5	41.2	102.1	42.7	102.8	34.8	106.1	37.2	105.5
1913.	39.3	103.8	39.6	100.8	37.6	104.4	42.5	101.7	44.8	102.3	35.8	106.1	38.8	105.5
1914.	40.0	102.5	41.1	100.8	38.7	104.4	43.3	101.5	45.0	102.3	36.2	105.5	39.2	105.2
1915.	40.9	102.5	41.4	100.8	39.1	104.3	43.3	101.5	45.3	101.9	36.5	105.4	39.4	105.2
1916.	41.7	102.2	41.8	100.4	39.7	104.1	44.0	101.2	45.9	101.4	37.7	105.1	41.2	104.6
1917.	43.3	102.1	43.8	100.3	41.2	104.0	46.6	101.0	48.2	101.1	41.4	104.7	45.5	103.5
1918.	47.3	101.1	46.7	100.3	45.2	104.0	53.4	100.7	49.6	101.1	48.0	104.3	53.4	103.0
1919.	53.2	101.0	55.5	100.3	50.7	103.4	60.1	100.5	54.1	100.7	55.5	103.3	60.5	101.1
1920.	70.2	100.9	72.7	100.2	70.7	103.4	76.2	100.5	72.8	100.4	80.5	102.7	87.7	100.0
1921.	71.1	100.8	74.7	100.2	72.4	103.5	77.6	100.5	72.2	100.5	81.3	102.7	88.2	100.0
1922.	69.5	100.8	71.7	100.2	67.4	103.4	70.5	100.5	71.0	100.3	74.0	102.4	82.8	99.3
1923.	72.9	100.8	78.2	100.1	79.7	103.4	75.1	100.5	77.6	100.6	78.5	102.6	84.4	100.0
1924.	83.6	100.8	84.0	100.1	84.5	103.1	85.0	100.5	88.1	100.6	84.9	102.6	93.9	97.7
1925.	88.0	100.8	87.5	100.3	86.1	103.1	85.9	100.2	90.21	100.6	87.7	102.4	89.7	99.8
1926.	95.3	100.7	95.4	100.1	94.9	103.3	92.4	100.5	34.6	100.6	95.6	102.2	98.7	100.0
1927.	93.0	100.5	95.1	100.1	96.1	103.1	99.0	100.5	99.0	100.5	97.3	102.2	99.1	100.2
1928.	99.4	100.5	95.5	100.2	97.3	103.0	99.2	100.4	98.9	100.2	98.3	102.1	99.5	100.1
1929.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1930.	104.9	95.5	100.7	96.9	101.5	96.6	105.5	96.9	104.5	94.8	105.1	97.8	105.5	98.1
1931.	105.5	94.5	101.0	96.4	102.0	94.9	106.5	95.8	105.6	83.6	104.5	97.0	103.9	97.0
1932.	90.9	93.6	93.7	94.3	90.5	94.5	92.3	93.4	91.1	92.6	89.2	94.8	89.4	93.6
1933.	88.2	93.1	34.7	94.31	84.5	93.8	91.3	93.1	88.3	92.4	85.2	94.41	84.2	93.2
1934	89.2	92.5	85.11	93.0	84.1	93.4	32.5	91.8	88.3	86.2	87.7	21.4	87.3	89.1
1935.	90.7	92.2	85.1	92.7	34.2	93.3	93.2	90.7	89.0	36.2	88.2	30.8	88.6	83.0
1936.	93.7	92.4	86.3	92.8	85.2	93.3	95.6	90.6	90.7	86.1	93.4	91.01	96.2	89.5
1937.	98.8	92.5	88.3	92.8	94.1	93.3	104.4	90.2	97.1	89.8	101.5	91.3	105.3	89.7
1938.	111.4	87.6	96.1	91.7	102.1	90.2	113.2	39.5	106.4	89.8	111.7	89.9	112.9	89.3
1939.	112.2	88.0	96.51	91.8	102.4	90.2	114.5	89.4	106.5	89.81	112.6	80.7	113.6	89.2

iIncluding also plumbers' laborers and composition roofers' helpers, not reported separately,

NO. 389.-WAGE RATES PER HOUR AND HOURS PER WEEK INDEXES OF  
UNION SCALES IN BUILDING AND PRINTING TRADES, BY OCCUPATIONS: 1909  
TO 1939-Continued

[Rates and hours for 1929=100]

YEAR	23 ER	33 E	33 EE	8E F	8E EE	8E P	22 ER	8E E	8E F	22 ER	8E A
BUILDING TRADES EELPERS AND LABORERS-continued											
	Clevator construc- tors' helpers	Hod car- riers (ma- sons' tend- ers)	Marble set- ters' helpers	Plasterers' laborers	Steam and sprinkler fitters' helpers	Tile layers' helpers					
1909		33.3	110.1				36.0	105.9	26.9	102.8	
1910		33.8	109.2				36.2	105.9	29.1	161.8	
1911		34.1	108.6				36.2	105.8	29.3	101.7	
1912		34.3	107.8	35.8	100.5		36.6	105.3	30.2	101.6	36.1
1913		34.8	107.8	37.9	100.5		37.5	105.3	31.0	101.3	36.8
1914	37.5	102.9	35.2	106.4	38.1	100.1	38.3	105.4	31.5	102.0	37.1
1915	37.8	102.2	35.4	106.4	38.1	100.1	38.4	105.4	32.5	102.0	33.4
1916	38.8	102.2	36.5	106.4	38.1	100.1	39.4	104.4	33.0	101.7	39.8
1917	40.9	101.7	40.7	106.3	40.6	100.1	42.1	104.2	35.1	101.7	40.8
1918	43.6	101.7	47.5	106.3	42.5	100.1	48.5	104.2	40.5	103.1	42.1
1919	52.9	100.9	55.6	105.9	48.6	100.0	55.3	103.8	48.6	100.2	51.0
1920	74.1	100.7	80.8	105.7	82.0	100.0	80.1	103.8	70.4	100.2	83.5
1921	77.5	100.5	81.2	105.7	81.9	100.2	82.7	103.4	72.2	100.2	84.4
1922	73.8	100.6	67.3	105.9	76.2	100.2	72.6	103.4	74.1	100.3	79.3
1923	77.3	100.6	73.5	105.9	82.3	100.2	80.0	103.5	78.7	100.3	81.1
1924	85.2	100.6	76.8	105.8	89.2	100.2	86.0	103.41	87.2	100.3	88.3
1925	89.2	100.5	85.8	105.7	84.6	100.2	91.7	103.3	89.7	100.3	90.8
1926	96.1	100.5	93.5	105.8	93.9	100.2	97.1	99.9	95.0	100.2	98.4
1927	99.6	100.5	95.7	105.8	93.3	100.0	38.0	99.8	99.3	100.4	99.5
1928	100.9	100.5	95.8	105.8	94.3	100.11	99.6	100.1	101.4	100.0	101.5
1929	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1930	105.4	96.2	103.8	99.3	101.7	95.9	106.0	97.4	109.3	92.1	108.0
1931	105.7	94.7	103.5	98.8	101.8	94.2	105.6	96.6	109.3	91.8	108.5
1932	96.9	94.7	85.8	96.6	93.2	93.8	87.6	96.3	94.3	91.7	95.8
1933	88.9	92.5	84.7	96.1	90.7	94.0	82.5	94.7	91.6	91.6	91.4
1934	88.4	91.8	90.3	94.3	90.9	92.3	84.8	91.8	91.9	91.1	91.5
1935	88.6	91.5	87.4	94.2	91.5	92.3	86.2	90.7	93.0	91.1	94.6
1936	89.5	92.1	92.1	94.0	91.6	92.2	88.0	89.2	93.2	91.5	96.0
1937	91.8	91.7	99.1	94.3	97.0	92.2	95.8	89.2	100.0	91.8	101.2
1938	104.5	91.1	109.1	93.2	105.4	92.2	108.1	85.1	121.8	82.3	111.6
1939	107.9	86.8	109.4	92.9	105.9	92.2	109.0	84.8	122.5	82.2	111.9

PRINTING TRADES-BOOK AND JOB

	Allbookand job trades	Bindery women	Book- binders	Composi- tors, hand	Electro- typers	Machine operators
1909	35.7	115.8		37.5	108.1	36.0
1910	37.6	115.4		37.9	107.7	37.6
1911	38.6	115.4		38.6	107.4	38.6
1912	39.3	115.3		38.8	107.4	39.4
1913	40.0	115.3		39.8	107.4	39.9
1914	40.9	115.3		40.4	107.4	40.9
1915	41.1	115.3	37.3	107.0	40.5	107.4
1916	41.7	115.3	37.9	107.0	40.6	107.4
1917	43.2	115.3	40.6	107.0	43.1	107.4
1918	47.8	115.3	45.3	107.0	48.4	107.4
1919	58.9	115.2	58.7	107.0	61.8	107.4
1920	76.9	110.9	81.1	107.0	81.2	107.4
1921	84.7	102.1	94.7	102.1	88.9	101.9
1922	85.0	100.8	91.7	100.8	85.3	100.9
1923	88.3	100.2	95.8	100.3	90.5	100.4
1924	92.0	100.2	97.2	100.3	94.5	100.1
1925	92.9	100.3	98.3	100.3	35.6	160.4
1926	95.0	100.1	96.4	100.5	97.3	100.3
1927	97.3	100.1	98.7	99.9	99.4	100.0
1928	98.7	100.1	99.2	99.8	98.9	100.7
1929	100.0	100.0	100.0	100.0	100.0	100.0
1930	101.8	99.9	100.7	99.9	101.2	99.9
1931	102.5	99.9	101.2	99.8	101.6	99.8
1932	101.4	96.1	98.7	99.9	97.9	99.7
1933	95.8	95.1	94.8	99.9	94.4	99.6
1934	98.4	91.8	99.6	93.5	97.9	93.1
1935	100.6	90.4	100.5	92.8	99.3	91.5
1936	103.5	90.5	102.4	92.4	100.6	91.5
1937	106.7	90.3	104.0	91.9	103.4	91.5
1938	110.4	89.9	109.0	91.5	107.2	91.2
1939	111.2	89.6	110.61	90.41	109.31	90.01



No. 390.—WAGE RATES DISTRIBUTION OF UNION MEMBERS IN BUILDING, PRINTING, AND BAKERY TRADES, UNION STREET-RAILWAY EMPLOYEES, AND UNION MOTOR-TRUCK DRIVERS, BY HOURLY WAGE RATES, AS OF JUNE 1, 1939

TRADE AND OCCUPATION	Average hourly rate	PERCENTAGE OF UNION MEMBERS WHOSE RATES (IN CENTS) PER HOUR WERE—								
		Under 60	60 and under 80	80 and under 100	100 and under 120	120 and under 140	140 and under 160	160 and under 180	180 and under 200	200 and over
All building trades.	\$1.364									
journeymen (skilled workers).	1.468		0.2	0.9	12.7	30.7	18.9	27.4	4.1	5.1
Asbestos workers-	1.458			5.4	4.6	47.8	11.6	18.1		12.5
Boiler makers.	1.602					17.3	42.2	12.5	28.0	
Bricklayers.	1.662				.9	6.6	28.9	34.5	28.0	1.1
Carpenters.	1.401		0		17.9	37.7	12.0	31.6		
Cement finishers.	1.441			.4	6.1	44.5	13.9	33.4	1.6	.1
Electricians, inside wire-			.1	.5	14.4	25.5	15.0	23.6	1.1	19.8
men.	1.532									
Elevator constructors.	1.531				2.9	26.0	37.9	12.5	20.7	
Engineers, portable and										
hoisting.	1.561		2	.5	8.8	21.4	27.4	19.2	6.4	16.1
Glaziers.	1.404		.7	4.1	29.5	26.2	8.4	2.0	29.1	
Granite cutters.	1.279				36.1	55.7	4.9	.5		2.8
Lathers.	1.625		.1		2.8	14.7	26.9	41.3		14.2
Machinists.	1.459			.8	4.9	35.8	7.4	51.1		
Marble setters.	1.586				.2	20.9	13.2	64.2	1.5	
Mosaic and terrazzo										
workers.	1.442				4.0	49.1	17.1	29.8		
Painters.	1.365		.2	2.1	19.6	32.3	24.0	21.8		(4)
Paperhangers.	1.337		.6	1.0	20.7	47.2	3.0	27.5		
Plasterers.	1.686				.9	15.7	18.7	33.3	1.2	30.2
Plumbers and gas fitters.	1.526			.2	3.3	31.5	30.9	18.4		15.7
Rodmen.	1.470				10.7	34.0	18.4	34.6		2.3
Roofers, composition.	1.270		3.9	8.8	23.8	33.0	9.2	19.9		1.4
Roofers, slate and tile.	1.397		1.3	3.2	16.6	32.1	14.2	26.9	5.7	
Sheet-metal workers.	1.427			.5	11.6	50.0	11.1	10.0	16.8	
Sign painters.	1.568			0	11.5	21.7	16.9	32.9	9.3	7.7
Steam and sprinkler fitters	1.589			.2	3.5	23.9	24.2	30.8		17.4
Stonecutters.	1.364			10.3	13.1	36.9	14.1	16.1	9.2	.3
Stonemasons	1.544				.3	25.2	37.3	20.7	16.5	
Structural-iron workers.	1.596					22.4	26.1	36.3	9.5	5.7
Tile layers.	1.497				1.8	33.3	22.9	42.0		
Helpers and laborers	.866	10.7	20.7	24.0	28.8	3.1	3.7			
Building laborers.	.790	14.3	35.2	26.0	24.5	0				
Elevator constructors'										
helpers.	1.144		.9	20.8	42.5	35.8				
Hod carriers (masons'										
tenders).	.886	8.1	24.6	27.1	37.7	2.5				
Marble setters' helpers.	1.038	1.0	13.6	29.2	22.8	33.4				
Plasterers' laborers.	1.094	5.0	9.0	12.3	42.1	7.5	24.1			
Steam and sprinkler fitters'										
helpers.	1.109	.6	25.1	20.5	13.5		40.3			
Tile layers' helpers.	1.001	1.3	19.4	33.4	15.4	30.5				
All printing trades.	1.193	6.1	4.2	7.7	31.6	31.6	11.4	4.5	2.3	.6
Printing, book and job.	1.135	9.2	5.8	9.3	31.9	31.3	6.5	3.0	3.0	0
Bindery women.	.535	72.2	27.8		0					
Bookbinders.	1.032	8.1	1.3	12.6	66.6	11.3	.1			
Compositors, hand.	1.205			4.5	45.8	49.5	.2			
Electrotypers.	1.423			2.5	11.5	29.3	12.0	44.7		
Machine operators.	1.276			2.6	28.5	58.6				.3
Machine tenders (ma-										
chinists)	1.285			1.3	27.5	58.9	12.3			
Mailers.	1.037	3.0	2.9	17.9	74.8	1.4				
Phot engravers	1.564				.5	21.0	42.1	4.9	31.5	
Tress assistants and feeders	.962	5.2	17.5	31.9	36.4	9.0				
Pressmen, cylinder.	1.246			4.7	37.2	42.0	13.4	2.7		
Pressmen, platen.	1.053		7.9	40.2	20.3	31.6				
Printing, newspaper.	1.302	.1	1.3	4.7	31.1	32.5	20.5	7.2	1.0	1.6
Compositors, hand.	1.349									
Day work.	1.296		(1)	2.0	26.7	46.2	24.1	€.	.5	.5
Night work.	1.402			(1)	13.6	38.5	39.7	7.9		.3
Machine operators.	1.356									
Day work.	1.307		.1	2.2	23.9	48.9	20.9	.7	1.4	1.9
Night work.	1.406			.1	12.4	43.5	41.5	1.5		1.0
Machine tenders (ma-										
chinists)	1.352									
Day work.	1.305			1.3	22.3	50.8	25.4		.2	
Night work.	1.413				11.8	39.9	27.0	21.3		
Mailers.	.984									
Day work.	.917	1.8	19.8	45.0	33.4					
Night work.	1.038	.31	5.5	17.1	75.8	1.3				

For footnotes, see p. 354.



No. 390. WAGE RATES- DISTRIBUTION OF UNION MEMBERS IN BUILDING, PRINTING, AND BAKERY TRADES, UNION STREET-RAILWAY EMPLOYEES, AND UNION MOTOR-TRUCK DRIVERS, BY HOURLY WAGE RATES, ETC.- Con.

TRADE AND OCCUPATION	Average hourly rate	PERCENTAGE OF UNION MEMBERS WHOSE RATES (IN CENTS) PER HOUR WERE-								
		Under 60	60 and under 80	80 and under 100	100 and under 120	120 and under 140	140 and under 160	160 and under 180	180 and under 200	200 and over
All printing trades-Con.										
Printing, newspaper-Con.										
Packaging Trades.	\$1.703									
Day work.	1.583			0.3	0.2	17.1	37.2	45.2		
Night work.	1.829			.9		1.4	12.5	30.7	14.7	39.8
Pressmen in charge	1.386									
Day work.	1.290			.8	30.2	53.3	2.5	13.2		
Night work.	1.514				8.9	29.0	33.0	.4	28.7	
Pressmen Journeymen)	1.239									
Day work.	1.158		0.3	2.7	79.6	5.0	12.4			
Night work.	1.357			2.3	17.8	47.5	.4	32.0		
Stereotypers.	1.241									
Day work.	1.171			5.5	54.7	37.5	2.3			
Night work.	1.334			2.0	34.6	27.1	12.2	23.5	.6	
Bakery trades 3	.769	28.3	31.8	22.3	8.3	4.8	3.8	.7		
Street-railway employees 4	.755	3.2	61.1	35.7						
Motor-truck drivers 5-	.793	10.3	44.0	31.5	13.3	.9				

Less than one-tenth of 1 percent.

Includes also plumbers' laborers and composition roofers' helpers, not shown separately.

Includes all occupations covered by bakery union agreements.

Includes conductors, motormen, and drivers on lines operated by street railways.

Includes drivers of all sizes and types of trucks in all classes of hauling for which time rates are provided.

Source: Department of Labor, Bureau of Labor Statistics; Monthly Labor Review for November and December 1939 and January, February, and March 1940, and special pamphlets.

No. 391. - STRIKES NUMBER, WORKERS INVOLVED, AND MAN-DAYS IDLE, BY MAJOR ISSUES INVOLVED: 1927 TO 1939

NOTE. - The term "strike" is here used in the generic sense to include all stoppages of work due to labor disputes, whether initiated by the employers (lock-outs) or by the workers. Strikes involving fewer than 6 workers or lasting less than 1 day are not included. Information regarding strikes is obtained principally from the public press, union publications, and trade journals. Reports are also received from the various Government labor boards and conciliation services. For the first time, information was also obtained from one of the clothing unions, which began in 1938 to keep a complete record of all strikes conducted by the union.

YEAR	NUMBER OF STRIKES ENDING IN YEAR				NUMBER OF WORKERS INVOLVED				NUMBER OF MAN-DAYS IDLE			
	Major issues				Major issues				Major issues			
	Total	Wages and hours	Union organization	Miscellaneous	Total	Wages and hours	Union organization	Miscellaneous	Total	Wages and hours	Union organization	Miscellaneous
1927-	666	273	240	153	319,442	232,217	44,451	42,774	25,689	916	24,049	622
1928-	620	222	226	172	522,866	139,913	95,320	374,632	50,005	6,242	202,105	1,555,889
1929-	924	373	382	169	236,163	104,059	101,724	80,380	5,304	638	2,311,270	1,963,962
1930-	651	284	207	160	181,901	73,223	75,949	32,729	3,107	948	1,309,636	1,467,228
1931-	796	447	221	128	345,660	155,308	115,997	74,364	7,212	127	3,216,684	3,026,865
1932-	852	560	162	130	324,960	234,158	72,940	17,862	10,521	437	8,583,088	1,740,190
1933-	1,672	926	533	213	1,143,010	645,084	465,272	134,554	16,563	940	6,309,415	8,664,221
1934-	1,817	717	835	265	1,480,343	345,174	762,367	371,802	19,491	844	47,326,677	12,236,680
1935-	2,003	760	945	208	1,902,602	530	287,876	151,487	14,918	234	6,399,526	7,061,122
1936-	2,156	756	1,083	317	709,748	250,672	365,019	94,057	11,432	536	3,685,852	6,882,037
1937-	4,720	1,410	2,728	582	1,945,745	436,568	1,163,197	346,980	30,848	394	835,076	22,530,245
1938-	2,772	776	1,385	611	687,629	252,166	224,491	210,972	8,926	099	3,108,445	3,961,769
1939-	2,639	699	1,411	529	1,177,883	361,703	641,298	184,882	18,520	503	3,311,779	13,241,961

Source: Dept. of Labor, Bureau of Labor Statistics; Bulletin No. 651, Strikes the United States, 1880-1936; annual report, Analysis of Strikes. Figures are published currently Monthly Labor Review,

[illegible]

### No. 393.- CIVILIAN CONSERVATION CORPS ENROLLED STRENGTH AND AMOUNT EXPENDED OR OBLIGATED: JULY 1933 TO JUNE 1940

MONTH	1938-34	1934-35	1935-36	1936-37	1937-38	1938-39	1939-40
	Enrolled strength at end of month 1						
July.	293,582	345,181	404,425	345,390	287,550	291,481	289,630
August.	275,998	338,047	505,782	323,276	264,921	279,693	277,205
September <sup>2</sup>	208,700	277,704	449,580	261,091	179,127	239,301	208,942
October.	240,241	349,334	474,390	346,553	302,093	291,877	291,628
November.	287,733	337,456	470,121	332,011	286,889	283,166	279,946
December.	278,517	299,479	445,147	317,250	275,167	252,521	238,336
January.	289,184	346,245	413,011	351,475	276,953	293,969	295,771
February.	278,766	332,876	392,761	336,054	268,152	286,168	286,166
March <sup>2</sup> .	211,747	241,810	294,921	242,214	238,548	198,004	215,434
April.	267,256	341,891	331,195	310,088	256,474	291,246	271,458
May.	285,546	329,362	346,450	288,127	247,533	280,425	258,474
June.	232,677	358,558	321,243	261,268	231,091	233,439	200,079
OBJECT OF EXPENDITURE	Expended or obligated, years ended June 30 (thousands of dollars)						
Total.	312,336	444,109	490,679	396,548	308,598	284,828	278,862
Pay enrollees.	102,534	128,391	154,091	121,930	102,411	107,588	105,283
Pay of civilians.	49,253	61,804	85,733	56,361	73,023	61,212	56,118
Other expenditures <sup>5</sup>	160,549	253,914	250,855	218,257	133,165	116,028	117,513

1 Excludes Indians and enrollees in Territories and outlying possessions, averaging about: 11,000 per month, prior to July 1933 are: April, 37,189; May, 154,238; and June, 279,722.  
 Enrollment low because month is at end of month-discharge period.  
<sup>2</sup> Includes amounts expended or obligated in Indian reservations and in Alaska, Hawaii, and Puerto Rico, and, beginning with 1934-35, in Virgin Islands. Does not include amounts expended for acquisition which from April 1933 to June 1937 totaled \$81,334,000; no expenditures on this account thereafter.  
<sup>3</sup> Includes expenditures for subsistence, supplies, material, equipment, repairs and alterations, structures, travel, utilities, etc.

Source: Federal Security Agency, Civilian Conservation Corps; annual report of C. C. C.

### No. 394.- EMPLOYMENT AND PAY ROLLS ON CONSTRUCTION PROJECTS FINANCED FROM REGULAR FEDERAL GOVERNMENTAL APPROPRIATIONS: 1934 TO 1940

NOTE. Pay-roll disbursements in thousands of dollars. No compilations made for months prior to August 1934. Monthly figures cover periods ended on 15th. Data for employees engaged on force-account projects (projects for which contracts are not let) are duplicated in figures given elsewhere for Federal executive service.

YEAR OR MONTH	Number of wage earners <sup>1</sup>	Pay-roll disbursements	Average earnings per hour	YEAR OR MONTH	Number of wage earners <sup>1</sup>	Pay-roll disbursements	Average earnings per hour
1934 (Aug. to Dec.)-	217,616	4,767	\$0.547	1938-Continued.			
1935.	240,583	31,645	.622	September.	265,793	27,271	\$0.686
1936.	2117,005	125,993	.660	October.	263,992	24,917	.692
1937.	2182,626	211,360	.700	November.	245,150	23,322	.702
January-	134,447	12,874	.721	December.	218,689	20,428	.716
February.	127,599	11,970	.730	1939.	2235,683	291,082	.736
March.	128,642	12,397	.729	January.	181,976	18,704	.724
April.	143,928	14,912	.709	February.	172,264	16,859	.746
May.	168,030	15,871	.701	March.	171,130	18,283	.754
June.	191,547	18,233	.690	April.	190,581	19,150	.744
July.	208,301	20,894	.675	May.	215,716	21,812	.735
August.	219,627	20,766	.689	June.	248,525	25,438	.715
September.	226,571	23,185	.687	July.	255,168	25,776	.732
October.	231,822	21,675	.696	August.	275,506	28,095	.732
November.	221,252	20,894	.701	September.	286,652	30,677	.720
December.	189,147	17,689	.714	October.	288,497	29,306	.736
1938.	2210,521	246,684	.710	November.	276,073	28,688	.747
January.	159,072	15,957	.733	December.	255,106	27,294	.757
February.	147,576	14,237	.730	1940 (6 months).	2242,638	156,109	.783
March.	147,835	14,554	.740	January-	206,945	22,259	.798
April.	167,659	17,031	.715	February-	203,893	21,918	.804
May.	197,651	19,159	.724	March.	220,310	22,959	.787
June.	215,531	20,864	.713	April	248,824	26,976	.782
July.	238,754	23,999	.697	May	276,098	30,178	.770
August.	257,553	24,945	.711	June.	299,760	31,819	.769

1 Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work (projects for which contracts are not let). Includes weekly average for public-road projects.

2 Average of monthly maxima.

Source: Department of Labor, Bureau of Labor Statistics; figures published currently in a pamphlet "Employment and Pay Rolls."

# No. 395. EMPLOYMENT AND PAY ROLLS ON PROJECTS FINANCED FROM PUBLIC WORKS ADMINISTRATION FUNDS: JULY 1933 TO JUNE 1940

NOTE. Pay-roll disbursements in thousands of dollars. Construction projects financed by the Public Works Administration are those projects authorized by the National Industrial Recovery Act of June 1933. This program of public works was extended to June 30, 1937, by the Emergency Relief Appropriation Acts of 1935 and 1936. The Public Works Administration was continued until July 1, 1939, by the P. W. A. Extension Act of 1937, and to June 30, 1941, by the P. W. A. Appropriation Act of 1938. Data for employees engaged on force-account projects (projects for which contracts are not let) are duplicated in employment figures given elsewhere for Federal executive service and railroads. Monthly figures cover periods ended on the 15th. Figures for July 1935 and subsequent months include data for employees working on P. W. projects financed from funds provided by the Emergency Relief Appropriation Acts of 1935, 1936, 1937, and P. W. A. Appropriation Act of 1938. See table 396

YEAR AND MONTH	Number of wage earners <sup>1</sup>	Pay-roll disbursements	Average earnings per hour	YEAR AND MONTH	Number of wage earners <sup>1</sup>	Pay-roll disbursements	Average earnings per hour
1933 (6 months).	2126,052	33,244	80.534	1937.	2187,464	179,676	80.819
July.	267	26	.751	January.	219,098	16,294	.827
August.	4,848	134	.638	February.	193,854	14,924	.832
September.	48,177	2,086	.551	March.	194,271	14,249	.810
October.	146,747	6,354	.528	April.	210,070	16,725	.804
November.	255,512	11,552	.531	May.	225,132	17,187	.799
December.	300,758	13,092	.537	June.	220,838	17,591	.805
1934.	2475,495	308,394	.589	July.	210,545	16,844	.809
January.	298,259	12,789	.541	August.	196,491	16,155	.810
February.	311,428	14,347	.541	September.	176,214	15,069	.830
March.	307,036	14,093	.553	October.	154,059	13,107	.836
April.	383,076	18,853	.571	November.	132,890	11,898	.848
May.	506,459	25,970	.564	December.	116,109	9,633	.853
June.	611,822	33,830	.564	1938.	2132,978	127,225	.835
July.	643,299	34,707	.573	January.	98,743	7,671	.842
August.	631,098	36,539	.589	February.	97,497	7,544	.816
September.	575,512	32,785	.613	March.	100,588	7,285	.804
October.	526,839	30,238	.632	April.	112,374	8,759	.804
November.	502,288	30,624	.627	May.	123,102	9,839	.808
December.	408,823	23,619	.654	June.	120,902	10,038	.828
1935.	3857,350	270,624	.690	July.	118,677	9,510	.831
January.	329,883	19,747	.678	August.	116,953	10,100	.856
February.	287,994	17,548	.679	September.	139,125	11,884	.844
March.	302,502	18,589	.679	October.	153,633	11,893	.836
April.	369,673	23,223	.677	November.	198,446	16,021	.855
May.	428,852	26,007	.665	December.	215,697	16,681	.856
June.	454,438	27,438	.663	1939.	2261,301	258,292	.880
July.	441,094	26,650	.668	January.	256,152	17,517	.846
August.	430,409	27,247	.688	February.	265,817	18,193	.844
September.	373,915	24,255	.707	March.	262,312	18,190	.853
October.	336,080	23,054	.719	April.	303,071	23,584	.861
November.	288,924	20,212	.744	May.	330,495	26,383	.874
December.	244,435	16,654	.755	June.	342,202	28,652	.870
1936.	2313,894	271,332	.768	July.	273,801	23,077	.876
January.	221,777	15,110	.745	August.	263,036	23,819	.887
February.	201,851	13,776	.754	September.	247,422	22,986	.899
March.	247,260	15,828	.756	October.	220,612	20,827	.910
April.	310,644	21,671	.746	November.	204,036	19,152	.920
May.	364,881	25,611	.746	December.	166,657	15,912	.934
June.	399,791	29,057	.754	1940 (6 months).	2104,635	61,622	.979
July.	388,434	27,970	.765	January.	132,538	12,328	.964
August.	381,310	28,039	.769	February.	109,083	10,814	.986
September.	359,445	26,771	.784	March.	97,834	9,314	.983
October.	327,297	24,907	.792	April.	99,126	9,918	.990
November.	301,904	22,854	.800	May.	97,621	9,943	.993
December.	262,133	19,738	.800	June.	91,609	9,305	.962

1 Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work. Includes weekly average for public-road projects.

2 Average of monthly maxima.

Source: Department of Labor, Bureau of Labor Statistics; figures published currently in a pamphlet "Employment and Pay Rolls."

# NO. 396.- EMPLOYMENT AND PAY ROLLS ON PROJECTS FINANCED FROM EMERGENCY RELIEF APPROPRIATION ACTS FUNDS: JULY 1935 TO JUNE 1940

NOTE: Pay-roll disbursements in thousands of dollars. The figures cover those projects originally financed by the Works Program which was inaugurated by the President by the authority of the Emergency Relief Appropriation Act of 1935, continued by subsequent acts, and abandoned as such July 1939. Included are those projects conducted under the supervision of the Work Projects Administration (prior to July 1939, the Works Progress Administration), those conducted by the Public Works Administration, those of the National Youth Administration (formerly under Works Progress Administration, now in Federal Works Agency), and other Federal agency projects financed from the Emergency Relief Appropriation Acts. The activities of the Civilian Conservation Corps financed from the Emergency Relief Appropriation Act of 1935 are not included in these figures. Unless otherwise stated, figures refer to calendar months.

YEAR AND MONTH	PROJECTS OPERATED BY THE WORK PROJECTS ADMINISTRATION			NATIONAL YOUTH ADMINISTRATION WORK PROGRAMS					
	Number Employed	Pay-roll disburse- ments	Average earnings per hour	Number em- ployed	Pay-roll dis- burse- ments	Average earnings per hour	Number em- ployed	Pay-roll dis- burse- ments	Average earnings per hour
1935 (July to Dec.).	2976,238	238,018	\$0.417				4183,949	8,364	\$0.324
1936.	2,650,359	1,582,943	.464	150,955	28,884	\$0.381	4327,377	26,343	.304
1937.	21,897,905	1,187,804	.517	159,414	32,663	.374	4,325,052	24,369	.291
1938.	22,749,770	1,719,728	.501	135,465	41,558	.352	4,295,946	19,681	.286
1939.	22,319,282	1,509,206	.476	234,978	51,538	3.346	4,537,419	22,808	3.285
January.	2,895,126	155,991	.500	237,468	4,347	.344	373,518	2,275	.283
February.	2,955,020	150,367	.498	242,454	4,472	.342	383,081	2,468	.283
March.	2,915,509	157,818	.500	234,519	4,451	.344	381,920	2,458	.283
April.	2,623,283	146,447	.501	228,268	4,318	.347	385,759	2,506	.283
May.	2,468,065	140,796	.505	224,889	4,286	.348	373,732	2,505	.286
June.	2,438,255	133,241	.507	213,694	3,993	.355	281,116	1,944	.298
July.	2,143,659	119,637	.460	207,357	2,561				
August.	1,834,597	108,150	.434	211,217	4,145		1,317	5	
September.	1,719,870	89,390	.439	225,088	4,222		70,064	307	
October.	1,822,663	98,178	.443	237,814	4,437		363,519	2,401	
November.	1,939,586	101,533	.443	261,184	4,864		424,423	2,965	
December.	2,069,754	107,658	.438	295,787	5,442		435,736	2,974	
1940 (6 months).	22,014,355	661,189	.440	2315,224	35,308		2,440,727	18,404	
January.	2,192,283	106,198	.441	322,367	5,816		438,287	2,863	
February.	2,249,912	111,475	.436	336,223	6,143		457,414	3,126	
March.	2,212,239	120,685	.432	336,282	6,264		474,504	3,280	
April.	2,010,598	116,145	.439	322,275	5,933		481,802	3,376	
May.	1,867,851	116,141	.445	300,105	5,594		477,810	3,438	
June.	1,583,242	96,545	.451	274,096	5,558		314,539	2,321	
YEAR AND MONTH	PUBLIC WORKS ADMINISTRATION PROJECTS FINANCED FROM E. R. A. A., 1935, 1936, AND 1937 FUNDS 6			OTHER FEDERAL AGENCY PROJECTS FINANCED FROM E. R. A. A., 1935, 1936, 1937, 1938, AND 1939 FUNDS 6					
	Number em- ployed	Pay-roll disburse- ments	Average earnings per hour	Number em- ployed	Pay-roll disburse- ments	Average earnings per hour			
1935 (July to Dec.).	23,954	1,133	\$0.659	2116,107	34,812	\$0.449			
1936.	2160,085	123,396	.754	2411,178	241,527	.461			
1937.	2127,147	115,488	.813	2242,893	156,498	.523			
1938.	280,057	76,201	.823	2176,966	101,720	.484			
1939.	221,968	24,210	.854	2124,134	67,966	.437			
January.	39,545	3,460	.877	128,017	5,694	.460			
February.	31,297	2,837	.893	125,453	5,929	.446			
March.	28,027	2,344	.893	124,165	5,432	.445			
April.	27,068	2,482	.865	143,611	6,885	.461			
May.	26,162	2,356	.868	165,116	7,949	.450			
June.	24,271	2,360	.865	193,780	9,021	.424			
July.	16,396	1,509	.876	176,470	6,058	.421			
August.	17,773	1,757	.825	77,779	3,592	.424			
September.	15,213	1,452	.802	83,045	4,016	.435			
October.	13,347	1,267	.787	36,168	4,220	.436			
November.	12,439	1,214	.790	87,955	4,425	.436			
December.	12,093	1,172	.785	98,109	4,745	.401			
1940 (6 months)	28,121	4,572	.762	299,381	27,831	.409			
January.	9,466	863	.770	96,663	4,411	.409			
February.	8,383	800	.775	92,468	4,431	.412			
March.	7,813	685	.714	94,326	4,354	.417			
April.	7,875	739	.766	99,484	4,705	.409			
May.	7,735	768	.778	101,015	4,787	.406			
June.	7,456	717	.767	112,328	5,143	.405			

1 Number of persons on pay rolls for periods ending within calendar months.

Average. 3 Based on first 6 months. Man hours not available after June.

Computed as 10-month average. Numbers employed in July and August negligible.

7 These figures are included in those appearing in table 395, covering projects under jurisdiction of the Public Works Administration.

6 Data are for monthly periods ending on the 15th. 7 Note 1, table 394, applies to figures in this column.

Source: Department of Labor, Bureau of Labor Statistics; figures published currently in a pamphlet "Employment and Pay Rols."

No. 397.-PUBLIC EMPLOYMENT SERVICES-MAJOR ACTIVITIES: JULY 1933 TO JUNE 1940

NOTE. The figures cover the operations of a Nation-wide system of State and Territorial employment services for which Federal funds are granted to the States and Territories on a matching basis under provisions of the Wagner-Peyser Act.

## COMPLETE PLACEMENTS

YEAR AND MONTH	Active file (at end of month)	New ap- plications	Total	Private	Public works and governmental service <sup>1</sup>	C. W. A., W. P. A., and relief <sup>2</sup>	Supple- mental place- ments <sup>2</sup>
1933 (July to Dec.).		9,063,802	3,161,856	375,189	482,379	2,304,288	
1634.		5,493,175	5,618,332	1,483,638	2,014,454	2,120,240	
1935.		6,357,966	4,457,523	1,107,755	1,432,413	1,917,355	
1936.		4,261,521	5,091,122	1,509,919	2,214,462	1,366,741	
1937.		3,535,090	3,640,934	2,352,665	1,218,599	69,670	
January	6,282,615	292,304	242,136	143,969	84,183	13,984	
February	6,115,443	262,290	250,241	157,738	82,440	10,063	
March	5,495,209	282,587	294,308	193,641	91,176	9,491	
April	5,519,754	288,049	348,915	219,456	122,576	6,883	
May	5,309,545	272,035	379,972	240,753	134,030	5,189	
June	5,016,023	337,917	374,038	224,629	143,373	6,036	
July	4,940,578	295,078	341,158	207,578	129,387	4,193	
August	4,853,345	283,562	357,937	227,991	126,820	3,126	
September	4,636,744	278,945	346,048	239,605	103,953	2,490	
October	4,393,092	291,187	303,293	210,226	90,392	2,675	
November	4,421,076	299,101	224,221	157,602	63,709	2,910	
December	4,874,531	452,035	178,667	129,477	46,560	2,630	
1838.		8,041,442	2,701,178	1,885,409	771,820	43,949	
January	6,070,143	942,374	136,841	93,052	41,748	2,041	
February	6,763,393	749,643	131,846	91,460	38,704	1,682	
March	6,784,276	806,113	177,157	128,890	45,389	2,878	
April	7,258,574	667,466	217,576	153,943	58,375	5,258	
May	7,524,731	677,135	238,998	159,198	72,941	6,859	
June	7,831,063	803,495	246,314	163,743	76,767	5,804	
July	8,087,724	705,137	227,615	156,186	67,633	3,796	
August	8,119,187	622,699	271,124	189,842	75,960	5,322	
September	7,966,176	522,880	281,214	202,572	75,759	2,883	
October	7,742,721	564,831	291,597	207,834	80,109	3,654	153,873
November	7,528,676	502,640	250,779	177,841	70,549	2,389	68,214
December	7,215,973	477,029	230,117	160,848	67,886	1,383	26,782
1839.		6,379,294	3,476,889	2,676,300	778,143	22,446	1,037,995
January	7,434,459	643,921	199,445	129,940	67,628	1,877	31,080
February	7,080,021	483,186	181,242	126,352	51,545	3,345	30,811
March	6,748,571	500,274	253,693	184,898	66,335	2,460	37,329
April	6,544,711	478,277	270,493	195,000	73,155	2,338	42,523
May	6,381,651	516,460	333,141	242,444	89,189	1,508	72,746
June	6,282,598	569,975	343,551	251,357	90,670	1,524	103,914
July	6,101,140	494,148	285,760	212,955	72,397	408	121,232
August	5,789,759	557,668	336,233	253,667	82,047	519	171,886
September	5,681,826	566,142	352,451	287,166	62,678	2,607	205,330
October	5,465,580	545,195	366,154	308,377	56,349	1,428	113,381
November	5,628,545	539,016	289,403	248,887	38,810	1,706	59,591
December	5,746,146	485,032	265,323	235,257	27,340	2,726	48,172
1940 (6 months total).		3,138,781	1,641,586	1,449,214	170,276	22,096	359,696
January	6,079,495	617,276	220,915	196,222	20,610	4,083	34,141
February	5,920,294	507,283	203,332	184,235	16,141	2,956	24,786
March	5,025,183	474,707	243,329	217,558	23,227	2,544	30,299
April	5,682,447	499,820	294,537	258,907	31,065	4,565	45,001
May	5,724,029	498,991	349,559	304,077	41,311	4,171	83,508
June	5,737,673	540,704	329,914	288,215	37,922	3,777	141,961

<sup>1</sup> W. P. A. placements at monthly prevailing wage rate included with "Public works and governmental service."

<sup>2</sup> Verified placements made without all the steps necessary for a complete placement. Data not reported prior to October 1938.

Source: Federal Security Agency, Social Security Board, Bureau of Employment Security; official records.

# No. 398.—PUBLIC EMPLOYMENT SERVICES MAJOR ACTIVITIES, BY STATES AND TERRITORIES: 1938 AND 1939

Note.— See headnote, table 397

STATE OR TERRITORY	APPLICATIONS		ACTIVE FILE AS OF DEC. 31		PLACEMENTS	
	1938	1939	1938	1939	1938	1939
Total.	1 14,597,798	1215,094,851	7,216,973	5,746,146	12,701,178	123,476,889
Alabama	291,274	248,371	150,469	149,339	52,200	54,099
Alaska.	5,767	9,849	1,626	2,706	3,618	4,908
Arizona.	66,993	76,315	22,654	21,748	22,369	30,896
Arkansas.	105,567	108,113	73,388	57,167	33,565	53,896
California.	1,072,253	1,347,030	319,732	534,375	223,297	258,865
Colorado.	141,289	195,201	46,851	64,511	45,419	54,087
Connecticut	253,560	213,812	110,543	81,230	35,015	53,762
Delaware.	34,884	46,547	14,134	11,535	13,506	18,164
District of Columbia.	119,285	112,561	55,022	34,170	27,969	40,644
Florida.	179,842	1169,120	108,943	80,907	115,470	137,503
Georgia.	233,496	304,625	132,972	187,783	62,078	90,222
Hawaii.	12,208	18,145	6,056	9,651	7,096	6,033
Idaho.	90,262	72,622	22,608	15,722	25,318	32,331
Illinois.	527,421	517,745	305,259	181,658	148,374	138,968
Indiana.	473,657	451,040	221,127	195,998	57,819	87,899
Iowa.	212,622	212,309	100,962	91,991	75,959	90,383
Kansas.	123,423	169,752	66,524	37,199	30,628	33,874
Kentucky	162,296	235,014	98,034	76,853	24,730	33,256
Louisiana.	255,471	254,435	120,210	106,424	41,803	64,036
Maine.	142,197	113,091	51,298	33,987	18,686	24,487
Maryland	235,183	238,448	70,959	59,441	31,358	43,480
Massachusetts.	359,728	356,265	324,368	180,168	24,963	40,965
Michigan	842,265	666,859	413,552	209,003	64,651	130,543
Minnesota.	282,124	228,422	203,882	124,816	60,628	73,942
Mississippi	255,443	255,221	85,293	84,790	53,843	64,189
Missouri.	281,541	435,325.	187,691	158,546	42,341	80,674
Montana.	63,537	54,211	33,180	28,620	24,667	21,279
Nebraska.	100,316	110,799	42,215	47,894	35,604	38,827
Nevada.	22,021	31,228	3,973	6,591	10,314	12,831
New Hampshire.	97,403	80,068	35,052	21,706	17,508	25,229
New Jersey.	329,080	593,089	234,126	276,246	41,910	106,463
New Mexico.	59,829	60,317	37,226	35,397	36,609	26,688
New York.	2,023,415	1,830,569	580,357	565,758	165,223	247,286
North Carolina	373,205	311,801	155,142	87,973	89,681	107,634
North Dakota.	65,595	66,070	28,483	23,576	35,175	36,738
Ohio.	645,206	845,856	448,436	250,954	98,695	148,314
OKlanoma	169,507	266,158	58,744	87,153	43,698	60,477
Oregon.	170,847	161,035	85,827	42,071	44,756	70,167
Pennsylvania.	1,171,939	1,270,220	1,027,812	413,439	112,175	124,310
Rhode Island.	91,516	96,305	69,135	37,531	10,572	12,025
South Carolina.	154,305	128,861	131,900	104,579	28,061	37,373
South Dakota	43,949	237,948	35,663	30,998	17,996	214,121
Tennessee.	167,459	167,263	145,618	134,731	46,113	61,106
Texas.	834,638	654,692	222,536	301,004	378,265	360,897
Utah.	76,380	112,897	18,898	23,437	14,760	19,523
Vermont.	44,881	36,914	16,657	15,540	10,446	14,033
Virginia.	272,149	257,399	50,372	52,720	59,135	74,212
Washington	171,367	228,603	135,195	114,051	23,281	75,729
West Virginia.	303,965	251,935	158,454	74,733	33,799	41,370
Wisconsin	446,751	341,529	137,509	168,713	67,239	85,736
Wyoming	38,485	42,847	9,305	9,013	12,792	12,325

1 Florida State employment service not in complete operation during 1938 and January and February 1939; private placement activity largely suspended.

2 South Dakota agency suspended operations July 28-Sept. 26, 1939.

Source: Federal Security Agency, Social Security Board, Bureau of Employment Security; figures published currently in Social Security Bulletin.

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## No. 400.— PUBLIC EMPLOYMENT SERVICES- PLACEMENTS, BY MAJOR

Note.—See headnote.

STATE OR TEREITORY		ALL GROUPS I	AGRICUL- TURE, FOR- ESTRY, AND		MINING		BUILDING AND CON- STRUCTION		
			FISHING						
		Total	Men	Women	Men	Women	Men	Women	
1	Total.	3,476,611	2,220,498	1,261,113	307,673	40,755	19,938	306,841	3,271,402
2	Alabaa	54,099	40,776	13,323	5,369	2,067	690	2	17,514
3	Alaska.	4,907	4,455	452	82	2	213	1	492
4	Arizona.	30,879	22,023	8,851	9,282	1,851	672	6	5,356
5	Arkansas.	53,896	39,451	14,445	18,531	4,055	131	10	12,732
6	California.	258,864	158,514	100,350	35,247	4,118	1,139	33	43,380
7	Colorado.	54,085	38,831	15,254	16,200	9905	570	12	8,666
8	Connecticut.	53,762	32,731	21,031	2,500	233	26	0	11,813
9	Delaware.	18,161	9,682	8,479	122	63	0	0	4,635
10	District of Columbia.	40,644	18,216	22,428	26	1	1	0	5,983
11	Florida.	37,352	27,883	9,469	156	72	88		14,866
12	Gorgia.	90,222	70,005	20,217	5,450	1,731	176	3	41,171
13	Hawaii	6,033	4,847	1,186	84	0	51	0	1,742
14	idaho.	32,329	24,431	7,808	10,459	782	291	9	6,917
15	Lininois.	138,968	69,443	69,525	5,679	60	135	141	4,383
16	indiana.	87,989	41,161	46,828	2,295	59	43	8	4,747
17	owa.	90,383	61,020	29,363	6,983	457	157		28,275
18	Kansas.	33,874	23,119	10,755	1,805	12	271	3	10,877
19	Kentucky	33,255	22,880	10,375	637	44	1,388	10	13,396
20	Louisiana.	64,036	41,147	22,889	4,716	373	89	14	17,993
21	Maine.	24,484	16,450	8,034	2,176	50	6		8,538
22	Maryland.	43,480	31,143	12,337	931	34	92		16,959
23	Massachusetts.	40,965	24,660	16,305	691	12	16		12,227
24	Michigan.	130,543	85,228	45,315	8,285	182	312	11	33,160
25	Minnesota.	73,940	46,414	27,526	11,679	342	47		20,038
26	Mississippi.	64,189	54,714	9,475	6,832	2,025	100		40,543
27	Missouri	80,668	50,743	29,925	9,218	2,618	446		15,794
28	Montana.	21,277	18,353	2,924	3,634	63	297		11,513
29	Nebraska.	38,827	31,064	7,763	1,784	30	33	1	22,281
30	Nevada.	12,831	9,429	3,402	1,000	146	1,801	28	2,802
31	New Hampshire.	25,229	19,570	5,659	5,420	20	1		3,587
32	New Jersey.	106,462	40,064	66,398	1,647	119	76		7,414
33	New Mexico.	26,687	21,268	5,419	12,487	1,625	278	1	5,268
34	New York.	247,277	131,241	116,036	6,222	332	76	15	36,066
35	North Carolina.	107,626	74,867	32,759	1,794	1,119	77	0	47,675
36	North Dakota.	36,738	27,594	9,144	16,381	54	65		5,751
37	Ohio.	148,314	80,300	68,014	6,530	233	247	2	21,854
38	Oklahoma.	60,477	40,145	20,332	13,154	3,058	127	13	15,087
39	Oregon.	70,167	58,278	11,889	19,344	1,205	433		17,528
40	Fennsyivania.	124,267	68,072	56,195	1,658	82	2,309	2	25,972
41	Rhode Island.	12,025	6,265	5,760	47	2	0		2,586
42	South Carolina.	37,373	31,258	6,115	714	357	29	2	21,226
43	South Dakota.	14,120	9,904	4,216	874	0	741	3	4,271
44	Tennessee.	61,106	37,351	23,755	7,104	3,060	151	6	16,192
45	Texas.	360,896	245,017	115,879	4,206	56	2,025	31	83,923
46	Utah.	19,523	12,891	6,632	3,184	771	52	10	4,007
47	Vermont.	14,033	10,116	3,917	1,709	31	39		5,470
48	Virginia.	74,212	51,787	22,425	485	331	107	0	31,648
49	Washington	75,729	52,963	22,766	26,174	6,023	95	2	8,436
50	West Virginia.	41,370	25,629	15,741	503	51	4,270	14	12,432
51	Wisconsin.	85,713	51,667	34,046	4,686	86	49		19,862
52	Wyoming								
		12,325	10,433	1,892	1,497	12	76	2	6,279

1 Excludes 278 placements with industry unspecified.

Source: Federal Security Agency, Social Security Board, Bureau of Employment Security; official records.

## INDUSTRIAL GROUPS, BY SEX, BY STATES AND TERRITORIES: 1939

table 397

MANUFACTURING		PROFESSIONAL, COMMERCIAL, AND MECHANICAL SERVICES		DISTRIBUTION		PERSONAL SERVICE, HOTELS, RESTAURANTS, AND AMUSEMENTS		GOVERNMENT SERVICE		TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES		WORK-RELIEF PROJECTS		
Men	Wor	Men	Wor	Men	Wor	Men	Wor	Men	Wor	Men	Wor	Men	Wor	
322,077	203,175	108,259	57,965	170,131	179,600	309,735	748,371	42,728	6,461	56,989	3,137	46,591	3,941	1
11,041	4,154	741	412	1,387	1,581	2,266	4,944	100	37	809	34	859	84	2
120	3	69	13	137	13	665	353	138	12	127	2	2,412	53	3
1,144	118	699	304	729	453	2,853	6,015	127	19	677	34	489	45	4
1,354	806	789	413	1,304	882	3,400	8,121	208	66	370	27	632	51	5
23,508	15,637	8,790	7,330	11,410	13,626	25,638	58,050	4,459	834	3,803	533	1,140	772	6
1,960	1,174	1,449	790	2,903	1,233	4,573	10,685	1,387	235	715	35	408	911	7
7,842	6,098	1,039	943	2,284	2,241	4,500	11,395	1,781	64	729	30	290	8	8
2,645	3,092	249	157	471	470	1,283	4,663	1,066	7	122	4	48	13	9
315	150	1,435	1,124	1,865	1,513	7,520	19,473	585	122	485	33	1	0	10
2,792	2,527	671	397	5,142	2,536	2,183	3,792	562	36	484	411	939	28	11
8,460	5,947	1,473	508	4,321	2,322	6,100	8,532	332	148	2,037	58	476	25	12
288	24	114	47	144	971	585	982	220	125	35	3	1,583	19	13
640	333	631	246	1,006	620	1,889	5,805	2,146	76	398	13	54	2	14
21,381	9,991	6,830	3,931	9,949	10,042	16,912	44,944	1,173	101	2,659	159	342	214	15
11,046	6,191	3,395	2,584	6,986	8,323	10,413	29,020	616	390	1,425	198	194	22	16
5,787	2,772	2,510	1,341	5,264	4,596	7,959	19,062	816	355	1,511	106	1,758	631	17
1,411	- 6405	1,542	431	1,874	1,079	4,342	8,486	1521	44	783	48	62	51	18
1,760	1,308	647	361	1,697	2,206	2,729	6,349	44	27	238	23	344	33	19
4,993	3,558	1,501	686	2,331	2,413	5,084	15,575	278	77	3,648	481	514	120	20
2,596	2,881	406	230	923	755	1,402	4,083	411	15	312	9	50	8	21
4,638	2,773	1,181	596	2,094	1,890	3,448	6,953	2811	13	636	52	783	5	22
5,012	4,537	947	731	2,149	2,086	2,372	8,805	592	831	334	19	320	29	23
19,033	6,890	5,033	1,746	6,174	5,832	10,208	30,178	475	1441	1,703	171	845	98	24
2,673	1,569	1,972	1,265	2,950	2,649	5,036	21,358	9681	182	809	72	242	35	25
3,220	1,905	622	262	745	1,478	1,925	3,695	238	35	338	201	151	39	26
5,974	5,412	5,244	1,762	4,451	3,881	8,107	15,984	290	56	1,031	131	188	20	27
283	55	170	125	395	156	543	2,277	373	92	2811	141	864	131	28
705	351	1,123	5521	1,492	883	2,416	5,554	675	217	409	15	146	43	29
267	34	296	123	569	383	1,421	2,639	656	16	555	9	62	17	30
4,559	1,382	205	167	923	436	1,283	3,496	2,431	80	261	7	900	65	31
14,316	19,007	2,504	1,339	4,903	5,144	7,219	40,412	649	85	775	62	561	184	32
525	34	215	173	481	314	975	3,149	534	69	130	23	375	23	33
21,385	23,366	7,725	11,990	12,991	15,661	20,596	63,535	1,586	406	9,878	310/14,716	173	174	34
6,303	5,154	1,368	906	3,968	6,208	11,388	18,918	469	103	557	67	1,268	253	35
727	817	868	323	1,156	437	1,706	7,346	168	130	739	15	33	6	36
17,047	8,392	5,655	3,011	9,327	7,326	16,403	48,515	553	229	1,992	1301	692	89	37
1,624	1,348	1,212	665	2,216	1,034	5,724	14,090	116	681	410	30	475	19	38
8,683	3,258	1,258	616	1,469	1,565	2,887	5,091	4,702	63	1,658	35	316	44	39
14,468	11,629	3,446	1,572	5,814	9,862	5,893	32,520	1,149	244	1,316	103	6,047	123	40
1,598	2,334	186	200	518	546	637	2,500	71	28	134	12	488	126	41
2,585	919	402	142	2,015	974	3,034	3,601	180	29	100	9	973	78	42
656	453	373	238	695	469	1,259	2,969	140	73	227	0	70	9	43
2,608	3,479	1,441	658	2,573	2,103	6,286	14,306	225	801	526	49	245	8	44
42,860	21,500	24,011	2,800	23,292	30,854	57,099	60,142	1,287	226	5,789	163	525	42	45
3,106	2,443	228	177	565	9501	584	2,184	622	53	337	11	206	28	46
6525	255	196	92	386	415	1,088	3,106	419	3	121	5	361	91	47
7,572	4,673	950	340	4,490	6,665	4,587	10,566	1,154	48	656	311	1381	441	48
6,381	2,627	1,519	1,015	2,566	4,902	4,232	7,736	2,382	152	554	29	624	258	49
1,728	1,066	1,231	465	1,865	1,498	2,434	12,176	616	31	394	47	256	21	50
9,608	4,089	1,394	1,585	4,444	4,502	5,970	22,612	2,006	703	2,336	49	1,303	394	51
189	19	204	81	328	186	819	1,529	258	43	635	9	148	4	52

## 15. SOCIAL SECURITY

[Data in this section relate to continental United States, Alaska, and Hawaii, except as noted]

### GENERAL NOTE

**Old-age and Survivors Insurance.** Federal old-age and survivors insurance, administered by the Social Security Board under the Social Security Act as amended in August 1939, covers employment in industry and commerce. Specified employments excepted, notably agricultural labor, domestic service, services for government and for certain types of nonprofit organizations, and self-employment. In January 1940, monthly benefits became payable to qualified workers at age 65 and also to certain dependents of beneficiaries and certain survivors of insured workers. Benefits are based on the legally defined average wage of the insured and are paid from the Federal Old-Age and Survivors Insurance Trust Fund, to which is appropriated annually an amount equal to the total taxes paid by employers and employees under the Federal Insurance Contributions Act. A separate system, administered by the Railroad Retirement Board, covers employees of railroads and certain of their subsidiaries and affiliates. See pp. 384 to 388.)

Figures for 1937 published in the 1939 edition of the Statistical Abstract are not comparable with 1938 figures given in tables 401 to 404.

**Unemployment Compensation.**—The Federal-State unemployment compensation program provides for payments to persons who are able and willing to work but are unable to find jobs. The contributions collected under State laws are designed to provide a fund to be used solely for this purpose. Employers, and in some States employees also, contribute definite proportions of pay rolls and wages to a special fund, from which qualified unemployed workers may draw benefits, limited as a rule by the amount of their prior employment and the wage rate. Under the Social Security Act the Social Security Board has two statutory responsibilities in the administration of the unemployment-compensation program. It certifies each year to the Secretary of the Treasury, for normal and additional tax-credit purposes, the State laws which conform to the standards prescribed; it certifies grants to defray necessary costs of administering the State program for those States which, in law or administration, conform to the standards prescribed in title III of the act. Funds are certified in definite amounts determined by the Board to be necessary for the proper administration of State laws, including administration of employment services in connection with payment of benefits. Funds for State employment services are also allocated by the Board under the provisions of the Wagner-Peyser Act.

**Public Assistance.**—under the Social Security Act, the Federal Government shares with the States the costs of assistance given to needy persons and families. The assistance in which the Federal and State governments are thus collaborating is of three types: (1) Aid to needy persons aged 65 and over, aid to the needy blind, and (3) aid to dependent children under the age of 16 who have been deprived of parental support, or under the age of 18 if irregularly attending school. To receive Federal grant under one of these programs, a State must submit a plan which can be approved by the Social Security Board. In making the basic requirements of the act and, after approval of its plan, must supply with its requests for Federal funds the data required by the Board.

Public assistance under the Social Security Act obviously is related to other forms of public aid maintained by Federal, State, and local governments. The Social Security Board has therefore undertaken, at the request of other governmental agencies and with their cooperation, to report on all public aid to persons in need.

### No. 401. OLD-AGE INSURANCE NUMBER OF EMPLOYEES, BY AGE AND BY SEX, BY INTERVAL OF EARNINGS, FOR THE UNITED STATES: 1938

NOTE. Age at birthday nearest July 1, 1938. Of the 65 years and older group, nearly 80 percent became 65 during 1938 and consequently earned some taxable wage prior to that year before passing the age limit imposed. Figures corrected to Aug. 15, 1940. See headnote, table 402, and general note above.

INTERVAL OF EARNINGS PER ANNUM	ALL AGES			UNDER 15 YEARS			15 TO 18 YEARS		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total.	31,000,389	22,302,478	8,697,911	43,239	38,276	4,963	241,241	1,466,587	994,654
\$1 to \$199.	7,705,324	4,811,060	2,894,264	42,004	37,211	4,793	1,581,410	933,878	647,532
\$200 to \$399.	3,529,125	2,295,219	1,233,906	844	796	48	423,757	258,436	165,321
\$400 to \$599.	3,178,724	1,949,432	1,229,292	201	148	53	231,913	134,283	97,630
\$600 to \$799.	3,141,596	1,947,069	1,194,527	65	41	24	139,563	81,743	57,820
\$800 to \$999.	2,790,332	1,924,936	865,396	28	15	13	60,489	38,721	21,768
\$1,000 to \$1,199.	2,322,793	1,837,635	485,158	12	8	4	17,263	13,409	3,854
\$1,200 to \$1,399.	1,963,109	1,666,639	296,470	11		2	4,522		110
\$1,400 to \$1,599.	1,519,224	1,352,286	166,938	101	8	2	1,532	4,032	3,858
\$1,600 to \$1,799.	1,087,722	1,005,597	82,125	1	11		430	365	65
\$1,800 to \$1,999.	914,281	857,746	56,535	5	5		123	93	30
\$2,000 to \$2,199.	636,872	606,686	30,186	11	71	4	63	45	18
\$2,200 to \$2,399.	134,059	417,704	16,355	3	3		48	361	12
\$2,400 to \$2,599.	325,719	314,263	11,456	2	2		38		
\$2,600 to \$2,799.	259,036	250,583	8,453	3	1	2	241	238	10
\$2,800 to \$2,999.	190,692	185,439	5,253	3		3	171	16	1
\$3,000 and over.	901,781	879,584	22,197	361	211	151	495	351	14

For note 1, see p. 368.

No. 401.- OLD-AGE INSURANCE- NUMBER OF EMPLOYEES, BY AGE AND BY SEX, BY INTERVAL OF EARNINGS, FOR THE UNITED STATES: 1938--Con.

INTERVAL OF EARNINGS PER ANNUM	20 TO 24 YEARS			25 TO 29 YEARS		
	Total	Male	Female	Total	Male	Female
Total.	5,792,160	3,594,947	2,197,213	5,169,752	3,557,993	1,611,759
\$1 to \$199.	1,827,673	1,084,246	743,427	1,133,154	680,306	452,848
\$200 to \$399.	936,619	554,561	382,058	619,381	377,992	241,389
\$400 to \$599.	811,012	454,884	356,128	572,460	343,286	229,174
\$600 to \$799.	794,139	442,351	351,788	594,053	356,711	237,342
\$800 to \$999.	635,574	396,909	238,665	565,437	366,408	199,029
\$1,000 to \$1,199.	380,829	290,398	90,431	498,910	372,095	126,815
\$1,200 to \$1,399.	205,510	180,375	25,135	405,889	333,058	72,831
\$1,400 to \$1,599.	102,506	96,267	6,239	283,730	252,145	31,585
\$1,600 to \$1,799.	48,557	46,668	1,889	176,925	166,237	10,688
\$1,800 to \$1,999.	24,961	24,450	511	125,855	120,677	5,178
\$2,000 to \$2,199.	11,763	11,479	284	72,244	70,035	2,209
\$2,200 to \$2,399.	5,276	5,221	55	40,794	40,102	692
\$2,400 to \$2,599.	2,434	2,334	100	25,968	25,223	745
\$2,600 to \$2,799.	1,677	1,486	191	17,229	16,896	333
\$2,800 to \$2,999.	965	952	13	10,062	9,842	220
\$3,000 and over.	2,665	2,366	299	27,661	26,980	681

  

INTERVAL OF EARNINGS PER ANNUM	30 TO 34 YEARS			35 TO 39 YEARS		
	Total	Male	Female	Total	Male	Female
Total.	4,349,805	3,166,739	1,183,066	3,514,405	2,640,408	873,997
\$1 to \$199.	786,795	475,572	311,223	611,257	378,730	232,527
\$200 to \$399.	431,483	266,255	165,228	324,656	203,526	121,130
\$400 to \$599.	408,290	249,417	158,873	307,430	187,777	119,653
\$600 to \$799.	123,613	260,169	163,444	316,857	198,314	118,543
\$800 to \$999.	408,214	275,571	132,643	298,185	206,994	91,191
\$1,000 to \$1,199.	383,553	289,579	93,974	279,048	217,677	61,371
\$1,200 to \$1,399.	359,590	288,681	70,909	271,728	223,359	48,369
\$1,400 to \$1,599.	297,695	254,737	42,958	233,593	201,215	32,378
\$1,600 to \$1,799.	219,832	200,211	19,621	183,122	165,640	17,482
\$1,800 to \$1,999.	185,010	174,042	10,968	165,667	153,052	12,615
\$2,000 to \$2,199.	125,313	120,000	5,313	122,291	115,585	6,706
\$2,200 to \$2,399.	84,169	81,637	2,532	85,343	81,902	3,441
\$2,400 to \$2,599.	59,735	58,185	1,550	65,033	62,788	2,245
\$2,600 to \$2,799.	44,340	43,403	937	52,469	50,854	1,615
\$2,800 to \$2,999.	31,211	30,563	648	39,387	38,395	992
\$3,000 and over.	100,962	98,717	2,245	158,339	154,600	3,739

  

INTERVAL OF EARNINGS PER ANNUM	40 TO 44 YEARS			45 TO 49 YEARS		
	Total	Male	Female	Total	Male	Female
Total.	3,008,897	2,326,105	682,792	2,448,014	1,958,530	489,484
\$1 to \$199.	502,248	323,300	178,948	405,406	277,117	128,289
\$200 to \$399.	267,615	172,285	95,330	214,594	145,488	69,106
\$400 to \$599.	259,546	151,270	98,276	207,468	135,133	72,335
\$600 to \$799.	265,710	168,456	98,254	215,911	144,558	71,353
\$800 to \$999.	249,819	179,405	70,414	204,398	155,029	49,369
\$1,000 to \$1,199.	231,764	188,366	43,398	193,218	163,427	29,791
\$1,200 to \$1,399.	222,100	189,686	32,414	184,953	163,411	21,542
\$1,400 to \$1,599.	195,660	172,965	22,695	157,363	142,487	14,876
\$1,600 to \$1,799.	154,694	141,195	13,499	121,969	112,881	9,088
\$1,800 to \$1,999.	140,518	129,975	10,543	112,967	105,086	7,881
\$2,000 to \$2,199.	107,143	101,238	5,905	83,007	78,489	4,518
\$2,200 to \$2,399.	77,428	73,830	3,598	60,084	57,324	2,760
\$2,400 to \$2,599.	59,821	57,503	2,318	47,983	46,115	1,868
\$2,600 to \$2,799.	49,866	48,191	1,675	39,889	38,198	1,691
\$2,800 to \$2,999.	37,889	36,789	1,100	30,364	29,464	900
\$3,000 and over.	186,076 I	181,651 I	4,425	168,440 E	164,323 I	4,117

No. 401. OLD-AGE INSURANCE- NUMBER OF EMPLOYEES, BY AGE AND BY SEX, BY INTERVAL OF EARNINGS, FOR THE UNITED STATES: 1938--Con.

INTERVAL OF EARNINGS PER ANNUM	50 TO 54 YEARS			55 TO 59 YEARS		
	Total	Male	Female	Total	Male	Female
Total	1,912,113	1,587,987	324,126	1,281,558	1,088,676	192,982
\$1 to \$199.	327,266	239,722	87,544	229,791	175,766	54,025
\$200 to \$399.	172,942	127,479	45,463	123,146	95,379	27,767
\$400 to \$599.	166,931	118,138	48,793	115,350	86,904	28,446
\$600 to \$799.	174,172	125,119	48,053	122,476	93,002	29,474
\$800 to \$999.	168,624	136,252	32,372	114,228	95,706	18,522
\$1,000 to \$1,199.	156,350	137,760	18,590	106,060	95,441	10,619
\$1,200 to \$1,399.	146,661	133,271	13,390	97,389	89,929	7,460
\$1,400 to \$1,599.	119,751	110,942	8,809	77,503	72,756	4,747
\$1,600 to \$1,799.	90,992	85,590	5,402	56,294	53,419	2,875
\$1,800 to \$1,999.	79,061	74,221	4,840	50,123	47,505	2,618
\$2,000 to \$2,199.	59,060	56,119	2,941	35,139	33,649	1,490
\$2,200 to \$2,399.	41,636	39,952	1,684	24,783	23,686	1,097
\$2,400 to \$2,599.	33,208	31,821	1,387	19,561	18,839	722
\$2,600 to \$2,799.	28,177	27,194	983	16,284	15,633	651
\$2,800 to \$2,999.	20,672	20,000	672	12,743	12,311	432
\$3,000 and over.	126,610	123,407	3,203	80,788	78,751	2,037
INTERVAL OF EARNINGS PER ANNUM	60 TO 54 YEARS			65 YEARS		
	Total	Male	Female	Total	Male	Female
Total.	788,460	683,087	105,373	99,774	87,909	11,865
\$1 to \$199.	145,802	116,603	30,199	28,790	24,237	4,553
\$200 to \$399.	78,861	63,474	15,387	17,014	14,573	2,341
\$400 to \$599.	75,148	58,879	16,269	12,912	11,022	1,890
\$600 to \$799.	77,137	61,368	15,769	10,403	9,057	1,346
\$800 to \$999.	73,237	63,052	10,185	7,643	7,039	604
\$1,000 to \$1,199.	66,997	61,400	5,597	5,924	5,494	430
\$1,200 to \$1,399.	58,615	55,033	3,582	4,092	3,895	197
\$1,400 to \$1,599.	45,582	43,268	2,314	2,945	2,803	142
\$1,600 to \$1,799.	32,005	30,624	1,381	2,222	2,151	71
\$1,800 to \$1,999.	27,980	26,728	1,252	1,513	1,457	56
\$2,000 to \$2,199.	19,465	18,751	714	1,113	1,063	50
\$2,200 to \$2,399.	13,391	12,962	423	846	817	20
\$2,400 to \$2,599.	11,052	10,590	462	722	697	25
\$2,600 to \$2,799.	8,524	8,184	340	493	471	22
\$2,800 to \$2,999.	6,847	6,596	251	436	425	11
\$3,000 and over.	46,817	45,575	1,242	2,706	2,608	98
INTERVAL OF EARNINGS PER ANNUM	66 YEARS AND OVER			UNKNOWN		
	Total	Male	Female	Total	Male	Female
Total.	57,872	50,384	7,488	72,999	54,850	18,149
\$1 to \$199.	32,754	28,510	4,244	49,974	36,462	13,512
\$200 to \$399.	8,629	7,481	1,148	9,584	7,394	2,190
\$400 to \$599.	5,024	4,282	742	5,039	4,009	1,030
\$600 to \$799.	3,476	2,911	565	3,021	2,269	752
\$800 to \$999.	2,526	2,216	310	1,930	1,619	311
\$1,000 to \$1,199.	1,892	1,727	165	973	854	119
\$1,200 to \$1,399.	1,327	1,227	100	722	648	74
\$1,400 to \$1,599.	678	618	60	676	653	23
\$1,600 to \$1,799.	402	358	44	277	257	20
\$1,800 to \$1,999.	341	317	24	157	138	19
\$2,000 to \$2,199.	165	147	18	95	79	16
\$2,200 to \$2,399.	139	128	11	119	104	15
\$2,400 to \$2,599.	122	107	15	40	31	9
\$2,600 to \$2,799.	36	30	6	25	22	3
\$2,800 to \$2,999.	18	16	2	78	70	8
\$3,000 and over.	343	309	34	289	241	48

Excludes 142,433 employees holding Railroad Retirement account numbers and their taxable wages at \$38,952,000; also excludes 52,297 employees whose race or sex is unknown and their taxable wages of \$24,967,000.

Source: Federal Security Agency, Social Security Board, Bureau of Old-Age and Survivors Insurance; Social Security Yearbook.

## No. 402. OLD-AGE INSURANCE NUMBER OF EMPLOYEES AND AMOUNT OF TAXABLE WAGES, BY SEX, BY STATES AND TERRITORIES: 1938

NOTE. Wages in thousands of dollars. Figures in this table and in tables 401 and 403 are partly estimated, and, plus the exclusions referred to in note 2 below, represent 100 percent of all employees with taxable wages in 1938 and their taxable wages. Taxable wages are defined as excluding wages of employees 65 years and over, wages earned in excess of \$3,000 in the service of any one employer within a year, and wages earned outside the industries covered by the Social Security Act. Figures corrected to Aug. 15, 1940. See also general note, p. 366.

STATE AND TERRITORY <sup>1</sup>	TOTAL <sup>2</sup>		MALE		FEMALE	
	Employees	Wages	Employees	Wages	Employees	Wages
Total.	31,000,389	26,173,920	22,302,478	21,695,511	8,697,911	4,478,408
Alabama	394,304	225,392	312,198	196,334	82,106	29,058
Alaska.	19,072	17,761	16,552	16,717	2,520	1,044
Arizona.	94,563	68,641	76,820	61,475	17,743	7,165
Arkansas.	194,543	95,747	155,910	84,805	38,633	10,942
California	1,944,038	1,808,427	1,394,870	1,502,045	549,163	306,382
Colorado.	233,818	173,588	172,573	146,228	61,245	27,350
Connecticut.	560,273	525,311	387,421	425,418	172,852	99,893
Delaware.	74,306	61,627	52,279	50,918	22,027	10,709
District of Columbia	203,944	179,823	140,308	142,390	63,636	37,433
Florida.	435,393	223,665	321,370	187,243	114,023	36,423
Georgia.	542,162	282,698	370,347	224,642	171,815	58,055
Hawaii.	111,060	63,251	87,817	55,757	23,243	7,495
Idaho.	92,915	57,657	72,652	51,400	20,263	6,257
Illinois.	2,322,026	2,267,954	1,628,496	1,859,327	693,530	408,627
Indiana.	798,324	662,630	591,463	568,000	206,861	94,631
Iowa.	408,074	237,861	294,137	240,995	113,937	46,866
Kansas.	279,438	193,724	213,452	169,331	65,986	24,393
Kentucky	391,320	251,995	304,105	217,253	87,715	34,732
Louisiana.	415,326	268,653	331,197	236,600	84,129	32,053
Maine.	226,553	142,622	157,393	116,691	69,160	25,931
Maryland	473,175	373,115	337,967	313,052	135,208	60,063
Massachusetts.	1,338,583	1,196,876	884,189	939,437	454,394	257,439
Michigan.	1,492,740	1,355,717	1,146,845	1,180,616	345,895	175,101
Minnesota.	506,514	422,960	353,913	345,619	152,601	77,341
Mississippi.	210,638	88,664	163,363	74,939	47,275	13,725
Missouri	805,028	660,349	543,658	527,757	261,370	132,592
Montana.	96,827	75,907	77,777	68,077	19,050	7,829
Nebraska.	198,033	132,350	141,045	108,852	56,987	23,498
Nevada.	29,551	25,309	24,460	22,820	5,091	2,489
New Hampshire.	144,916	100,033	98,140	79,392	46,776	20,641
New Jersey.	1,196,239	1,166,960	826,524	957,359	369,715	209,602
New Mexico.	67,206	43,477	55,285	39,773	11,921	3,704
New York.	4,283,899	4,404,708	2,884,737	3,459,824	1,399,162	944,884
North Carolina.	655,764	361,750	435,108	280,918	220,656	80,833
North Dakota.	60,810	38,429	44,184	32,476	16,626	5,953
Ohio.	1,843,178	1,703,178	1,369,279	1,452,189	473,399	250,989
Oklahoma	321,664	240,116	252,296	211,268	72,363	28,848
Oregon.	267,029	217,534	198,770	186,583	68,259	30,951
Pennsylvania.	2,697,594	2,426,975	1,968,698	2,055,200	728,896	371,775
Rhode Island.	218,267	199,993	153,789	153,465	89,478	46,528
South Carolina.	317,074	153,589	227,441	124,077	90,533	29,512
South Dakota.	68,268	13,632	50,370	37,240	17,898	6,392
Tennessee.	483,437	282,479	347,427	233,599	136,010	48,880
Texas.	1,216,697	814,479	743,384	717,831	273,313	96,648
Utah.	103,369	80,459	80,057	70,444	23,312	10,015
Vermont.	76,126	51,918	56,360	44,304	19,766	7,614
Virginia.	498,024	320,308	362,445	268,419	135,579	51,889
Washington.	430,202	369,136	318,454	315,037	111,748	54,093
West Virginia.	395,533	327,411	336,557	299,955	59,976	27,457
Wisconsin.	670,864	597,487	491,823	505,310	179,041	92,177
Wyoming	51,283	39,593	41,772	36,102	9,516	3,491

<sup>1</sup>State of employment was indicated only for employees for whom taxable wages were reported for the fourth quarter of 1938, their wages for the entire year being allocated to that State; State of registration was utilized for the remaining employees in estimating the distribution by State of employment. Of the latter class, there were 4,846,765 males with taxable wages of \$2,531,488,000, and 2,053,531 females with taxable wages of \$467,619,000.

<sup>2</sup>See note 1, table 401, p. 368.

Source: Federal Security Agency, Social Security Board, Bureau of Old-Age and Survivors Insurance; Social Security Yearbook.



No. 403.—OLD-AGE INSURANCE—NUMBER OF EMPLOYEES AND AMOUNT OF TAXABLE WAGES, BY RACE AND BY SEX, FOR SELECTED STATES AND TERRITORIES: 1938

NOTE. Wages in thousands of dollars. States shown are those with largest proportions of Negro or other races among employees with taxable wages in 1937. Figures exclude employees holding Railroad Retirement account numbers and those whose sex or race was unknown. Figures corrected to Aug. 15, 1940. See also headnote, table 402, and general note E, 366.

STATE AND TERRITORY <sup>1</sup>	TOTAL		WHITE		NEGRO		OTHER	
	Em- ployees	Wages	Em- ployees	Wages	Em- ployees	Wages	Em- ployees	Wages
Alabama.	394,304	225,392	275,824	182,807	118,407	42,549	73	36
Arkansas.	194,543	95,747	149,763	83,541	44,688	12,160	92	47
Delaware.	74,306	61,627	66,807	58,796	7,464	2,819	35	12
District of Columbia.	203,944	179,823	158,305	155,377	45,350	24,247	289	199
Florida.	435,393	223,565	322,734	194,049	112,503	29,521	156	96
Georgia.	542,162	282,698	406,612	249,060	135,479	33,608	71	29
Kentucky.	391,820	251,995	350,358	235,283	41,365	16,642	97	70
Louisiana.	415,326	268,653	296,372	231,228	118,672	37,374	282	51
Maryland.	473,175	373,115	408,449	343,279	64,574	29,741	152	96
Mississippi.	210,638	88,664	128,235	70,732	82,260	17,918	143	13
North Carolina.	655,754	361,750	512,610	320,707	142,776	40,952	378	91
South Carolina.	317,974	153,589	244,382	136,292	73,542	17,279	50	18
Tennessee.	483,437	282,479	398,870	254,241	84,529	28,213	38	25
Virginia.	498,024	320,308	378,617	278,891	119,245	41,332	162	85
Alaska.	19,072	17,761	16,372	16,636	48	16	2,652	1,109
Hawaii.	111,060	63,251	23,846	21,596	70	47	87,144	41,608
MALE								
Alabama.	312,198	196,334	203,812	155,676	108,322	40,624	64	34
Arkansas.	155,910	84,805	114,260	73,208	41,570	11,552	80	45
Delaware.	52,279	50,918	46,295	48,328	5,956	2,579	27	11
District of Columbia.	140,308	142,390	102,280	121,392	37,753	20,804	275	194
Florida.	321,370	187,243	224,739	160,277	95,499	26,882	132	84
Georgia.	370,347	224,642	259,514	194,700	110,780	29,918	53	24
Kentucky.	304,105	217,263	269,037	201,816	34,975	15,378	93	69
Louisiana.	331,197	235,600	226,253	201,581	104,731	34,974	213	44
Maryland.	337,957	313,052	283,546	285,530	54,283	27,434	138	89
Mississippi.	163,363	74,939	87,611	57,944	75,615	16,983	137	11
North Carolina.	435,108	280,918	333,923	248,673	100,830	32,156	355	88
South Carolina.	227,441	124,077	162,498	107,999	54,895	16,061	47	17
Tennessee.	347,427	233,599	275,766	208,159	71,626	25,415	35	25
Virginia.	362,445	268,419	270,084	232,740	92,213	35,597	148	82
Alaska.	16,552	16,717	14,453	15,715	34	12	2,055	991
Hawaii.	87,817	55,757	17,739	18,240	62	46	70,016	37,471
FEMALE								
Alabama.	82,106	29,058	72,012	27,131	10,085	1,925	9	
Arkansas.	38,633	10,942	35,503	10,333	3,118	608	12	7
Delaware.	22,027	10,709	20,511	10,468	1,508	240	8	1
District of Columbia.	63,636	37,433	56,025	33,985	7,597	3,443	14	5
Florida.	114,023	36,423	97,995	33,772	16,004	2,639	24	12
Georgia.	171,815	58,055	147,098	54,360	24,699	3,690	18	5
Kentucky.	87,715	34,732	81,321	33,467	6,390	1,264	4	
Louisiana.	84,129	32,053	70,119	29,647	13,941	2,400	69	1
Maryland.	135,208	60,063	124,903	57,749	10,291	2,307	14	
Mississippi.	47,275	13,725	40,624	12,788	6,645	935	6	7
North Carolina.	220,656	80,833	178,687	72,034	41,946	8,796	23	3
South Carolina.	90,533	29,512	81,884	28,293	8,646	1,218	3	1
Tennessee.	136,010	48,880	123,104	46,082	12,903	2,797	3	1
Virginia.	135,579	51,889	108,533	46,151	27,032	5,735	14	3
Alaska.	2,520	1,044	1,909	921	14		597	118
Hawaii.	23,243	7,495	6,107	3,356	8	3	17,128	4,137

<sup>1</sup> See note 1, table 402.

Source: Federal Security Agency, Social Security Board, Bureau of Old-Age and Survivors Insurance; Social Security Yearbook.

No. 404. OLD-AGE INSURANCE- NUMBER OF EMPLOYEES IN FOURTH QUARTER OF 1938 AND TOTAL AMOUNT OF THEIR 1938 TAXABLE WAGES, BY AGE GROUPS, BY SEX, AND BY INDUSTRIAL DIVISIONS

NOTE. Wages in thousands of dollars. This table excludes data for 2,554,210 workers in covered employment in the fourth quarter of 1938 and for their taxable wages of \$2,597,877,000 received during 1938. These data could not be included because returns were uncoded industrially, or because workers were in industries other than those listed, or because their sex was unknown. The addition of these data to the totals for workers and wages appearing in the body of the table gives a total of 23,623,916 for workers and \$23,617,456,000 for taxable wages. These totals differ from those in tables 401 and 402 because they pertain only to workers employed in the fourth quarter of 1938 and because no adjustments have been made in this table to exclude 1937 taxable wages which were identified for posting after July 9, 1938, or to include 1938 taxable wages which were identified for posting after May 12, 1939, and additional workers for whom they were reported. Workers in the fourth quarter and their taxable wages for the year were assigned to the industrial group in which they were employed in the fourth quarter; those in multi-industry employing organizations were allocated to the primary industry, determined by the largest number of employees in such organizations in the United States engaged in the same combination of industries. Figures are corrected to Aug. 15, 1940. See also notes, tables 401 and 402, and general note, p. 366

AGE (YEARS)	MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	Em- ploy- ees	Wages	Em- ploy- ees	Wages	Em- ploy- ees	Wages	Em- ploy- ees	Wages	Em- ploy- ees	Wages	Em- ploy- ees	Wages
	Mining and quarrying				Contract construction				Manufacturing			
Total.	666,767	70,000	311,101	35,288	25,880	20,616	16,805	5,828	204,462	24,361	180,515	542,289
Under 20.	16,841	6,456	8,717	2,722	40,370	9,740	2,454	816	295,695	98,798	228,616	72,596
20 to 24.	89,366	67,242	2,829	1,936	155,349	72,651	6,685	4,093	1,038,395	794,319	603,647	346,238
25 to 34.	202,189	214,164	4,788	4,763	317,127	257,031	1,964	670	62,125	61,722	542,300	809,401
35 to 44.	166,283	202,816	3,099	3,591	257,782	263,571	4,824	48,371	1,082,212	20,223	471,913	340,485
45 to 54.	129,382	158,901	1,624	1,874	193,862	195,813	2,760	38,721	1,655,734	1,013,000	237,890	166,877
55 to 64.	59,747	62,945	593	645	84,813	73,912	1,136	1,128	571,575	760,982	79,154	52,664
65 and over.	1,872	1,316	18	14	5,221	2,527	37	37	18,466	17,806	3,035	1,475
Unknown.	1,087	736	7	6	2,630	1,090	201	12	6,623	3,496	2,524	882
	Transportation				Communication				Public utilities			
Total.	637,776	74,004	389,743	33,613	164,523	263,656	183,561	63,277	352,794	558,534	51,109	56,376
Under 20.	18,255	5,218	2,864	975	34,674	6,380	5,597	4,369	5,520	1,962	2,276	1,022
20 to 24.	82,983	56,587	8,797	5,906	15,456	10,928	36,269	28,169	33,142	29,036	10,931	9,337
25 to 34.	221,984	227,580	3,442	4,115	43,679	84,340	75,849	82,478	112,012	167,613	19,792	22,913
35 to 44.	167,886	226,023	8,929	8,438	38,410	90,358	41,194	50,734	105,351	191,666	11,208	14,490
45 to 54.	98,340	139,286	4,226	4,129	21,780	50,024	16,411	20,025	64,870	116,038	5,187	6,586
55 to 64.	45,100	63,154	1,613	1,686	10,131	21,379	4,095	4,429	33,961	51,346	1,659	1,994
65 and over.	1,759	1,494	64	47	242	257	89	611	741	783	41	29
Unknown.	1,469	661	37	17	151	28	43	14	197	85	15	6
	MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
AGE (YEARS)	Em- ploy- ees	Wages	Em- ploy- ees	Wages	Em- ploy- ees	Wages	Em- ploy- ees	Wages	Em- ploy- ees	Wages	Em- ploy- ees	Wages
	Trade				Finance				Insurance			
Total.	3,203,728	3,439,928	1,766,158	930,319	133,501	216,043	63,164	65,051	217,403	395,414	67,679	170,978
Under 20.	316,438	79,751	304,441	48,613	2,817	1,192	3,705	1,562	4,151	2,070	12,598	6,540
20 to 24.	596,473	401,889	465,116	210,540	14,563	12,762	15,128	12,041	22,151	21,170	42,743	35,482
25 to 34.	120,010	212,166	755	011,113	320,568	46,277	72,371	23,425	25,357	76,877	137,476	63,392
35 to 44.	657,427	943,353	273,341	193,620	32,755	63,895	13,069	16,368	60,919	132,738	28,971	35,270
45 to 54.	411,712	584,803	149,399	11,515	22,557	42,191	5,713	7,059	34,996	70,774	14,171	16,876
55 to 64.	206,623	263,023	57,394	43,169	13,815	22,901	2,009	2,401	17,564	50,442	5,573	6,404
65 and over.	9,435	7,633	2,552	1,542	600	650	70	54	6211	646	163	145
Unknown.	5,393	2,692	2,803	745	117	80	45	28	124	995	68	36
	Real estate				Service				Professional services			
Total.	234,231	279,121	95,669	74,127	1,610,435	1,493,310	892,331	499,615	79,806	104,331	170,756	145,479
Under 20.	5,937	1,962	3,726	1,313	139,897	36,826	81,208	22,152	3,381	1,097	11,868	3,837
20 to 24.	20,470	14,552	12,832	8,492	292,748	178,478	216,876	104,595	11,960	8,255	40,399	24,877
25 to 34.	56,691	63,575	24,559	19,765	507,970	507,961	292,102	173,840	31,324	43,854	61,083	55,431
35 to 44.	58,667	78,221	26,095	21,445	332,747	66,772	726,723	17,637	16,583	27,116	33,207	35,856
45 to 54.	54,045	73,565	19,705	16,024	220,947	257,293	91,995	61,662	10,435	16,020	17,202	18,621
55 to 64.	36,235	45,578	8,316	6,831	107,196	111,899	34,444	23,320	5,7295	7,695	5,653	6,620
65 and over.	1,750	1,463	307	197	5,812	3,785	1,464	830	293	227	215	174
Unknown.	386	204	129	61	3,118	1,500	1,524	579	101	681	129	63

1 Age at birthday nearest July 1, 1938.

Source: Federal Security Agency, Social Security Board, Bureau of Old-Age and Survivors Insurance; official records.

**No. 405.—OLD-AGE AND SURVIVORS INSURANCE NUMBER OF EMPLOYING ORGANIZATIONS, AMOUNT Or TAXABLE PAY ROLLS, AND NUMBER OF EMPLOYEES ON LAST DAY OR LAST PAY ROLL OF QUARTER, BY QUARTERS: 1938 AND 1939**

NOTE—Taxable pay roll in thousands dollars. The Social Security Act was amended to include employment of workers over 65 years of age beginning with 1939. Figures are corrected to September 15, 1940

YEAR OR QUARTER	Employing organizations-	Taxable pay rolls	Workers on last day or last payroll of quarter
1938, total		225,909,805	
January-March.	1,809,819	6,375,932	22,573,417
April-June.	1,729,098	6,450,252	22,763,163
July-september	1,746,308	6,433,019	23,587,711
October-December	1,731,670	6,650,602	23,219,715
1939, total.		28,854,273	
January-March.	1,648,495	6,956,639	23,703,803
April-June.	1,744,837	7,135,117	24,611,827
July-september	1,774,204	7,408,365	25,377,216
October-December	1,799,704	7,364,152	24,942,008

Employing organizations include establishments which have reported taxable wages in 1938.

Source: Federal Security Agency, Social Security Board, Bureau of Old-Age and Survivors Insurance; Fifth Annual Report.

**No. 406.— UNEMPLOYMENT COMPENSATION- SUBJECT EMPLOYERS AND WORKERS WITH WAGE CREDITS UNDER STATE UNEMPLOYMENT COMPENSATION SYSTEMS, BY STATES AND TERRITORIES, AS OF JUNE 1939**

NOTE.—Figures are estimates (subject to revision) based on data reported by State agencies. See general note, p. 366 -

STATE AND TERRITORY	Size of firm (number of employees)	Number of employers	Number of workers	STATE	Size of firm (number of employees)	Number of employers	Number of workers
Total.		719,600	28,075,000	Missouri.	8 or more.	10,600	650,000
Alabama	8 or more.	4,400	325,000	Montana.	1--do.	8,600	105,000
Alaska.	8--do.	500	23,000	Nebraska.	8--do.	3,300	145,000
Arizona.	3--do.	3,100	78,000	Nevada.	1--do.	2,500	30,000
Arkansas.	1--do.	14,900	190,000	New Hampshire.	4--do.	3,000	125,000
California.	4--do.	51,000	1,700,000	New Jersey.	8--do.	14,300	1,000,000
Colorado.	8--do.	4,300	200,000	New Mexico.	4--do.	2,000	70,000
Connecticut.	5--do.	8,300	485,000	New York.	4--do.	97,600	4,000,000
Delaware.	1--do.	4,800	65,000	North Carolina.	8--do.	6,800	700,000
Dist. of Columbia.	1--do.	14,900	186,000	North Dakota.	8--do.	1,100	42,000
Florida.	8--do.	4,400	350,000	Ohio.	3--do.	44,400	1,720,000
Georgia.	8--do.	7,200	400,000	Oklahoma.	8--do.	5,100	324,000
Hawaii.	1--do.	3,900	119,000	Oregon.	4--do.	7,400	225,000
Idaho.	1--do.	8,000	110,000	Pennsylvania.	1--do.	145,000	3,100,000
Illinois.	8--do.	27,300	1,620,000	Rhode Island.	4--do.	5,700	300,000
Indiana.	8--do.	9,000	838,000	South Carolina.	8--do.	3,500	292,000
Iowa.	8--do.	6,200	320,000	South Dakota.	8--do.	1,200	45,000
Kansas.	8--do.	6,700	245,000	Tennessee.	8--do.	4,500	450,000
Kentucky.	4--do.	7,400	380,000	Texas.	8--do.	13,300	800,000
Louisiana.	4--do.	12,000	425,000	Utah.	4--do.	2,500	90,000
Maine.	8--do.	2,900	190,000	Vermont.	8--do.	1,100	70,000
Maryland.	4--do.	11,000	475,000	Virginia.	8--do.	5,300	450,000
Massachusetts.	4--do.	35,530	1,450,000	Washington.	8--do.	6,400	300,000
Michigan.	8--do.	16,100	1,300,000	West Virginia.	8--do.	3,300	350,000
Minnesota.	1--do.	40,600	525,000	Wisconsin.	7--do.	7,900	500,000
Mississippi.	8--do.	3,000	150,000	Wyoming.	1--do.	4,800	49,000

Source: Federal Security Agency, Social Security Board, Bureau of Employment Security official records.

No. 407. UNEMPLOYMENT COMPENSATION NUMBER OF INITIAL AND CONTINUED CLAIMS RECEIVED BY STATE AGENCIES AND AMOUNT OF BENEFIT PAYMENTS, BY STATES AND TERRITORIES: 1938 AND 1939

NOTE. Number of claims in thousands and amounts of payments in thousands of dollars. Data reported by State agencies and corrected to Mar. 15, 1940. See general note, p. 366

STATE AND TERRITORY	Month and year benefits first payable	NUMBER OF CLAIMS RECEIVED IN LOCAL OFFICES				AMOUNT OF BENEFIT PAYMENTS <sup>1</sup>					
		Initial		Continued		All unemployment		Total unemployment		Partial unemployment	
Total.		1938	1939	1938	1939	1938	1939	1938	1939	1938	1939
		9,565	9,762	46,707	96,534	300,400	20,320	936,31	640,147	14,000	220,971
Ala.	Jan. 1938	201	106	1,500	914	8,131	4,295	6,810	3,548	1,291	742
Alaska.	Jan. 1939		4		221		346		328		612
Ariz.	Jan. 1938	31	27	222	182	1,906	1,524	1,906	1,471	0	53
Ark.	Jan. 1939		81		443		1,816		1,668		90
Calif.	Jan. 1938	694	741	34,043	4,942	23,748	38,592	23,147	35,673	452	2,189
Colo.	Jan. 1939		711		441		3,471		3,155		313
Conn.	Jan. 1938	355	154	1,901	752	12,259	5,121	57,940	4,779	5,748	324
Del.	Jan. 1939		211		102		712		671		40
D. O.	Jan. 1938	44	23	395	263	1,673	1,437	1,570	1,333	103	65
Fla.	Jan. 1939		117		743		3,504		3,062		217
Ga.	do.		141		789		3,240		3,083		156
Hawaii.	do.		78		341		287		263		23
Idaho	Sept. 1938	19	311	78	268	366	2,170	366	61,824	(8)	6346
I.	July 1939		453		1,972		16,797		14,311		2,251
Ind.	Apr. 1938	7226	7129	31,637	1,400	16,309	10,254	14,522	8,976	1,786	1,277
Iowa.	July 1938	82	95	448	813	2,556	5,262	2,474	4,827	82	417
Kans.	Jan. 1939		73		394		2,288		2,037		251
Ky.	-do.		7143		984		4,867		4,799		239
La.	Jan. 1938	134	133	770	922	4,007	5,940	1,954	5,338	2,053	392
Maine.	do.	1,26	104	10818	657	4,525	3,044	3,720	2,574	805	439
Md.	-do.	11289	7102	1,803	994	10,149	5,764	52,627	4,501	5416	534
Mass.	-do.	627	515	3-2,513	2,424	27,228	19,694	27,228	19,622		(2)
Mich.	July 1938	584	822	3,509	2,992	39,907	37,161	39,907	34,140	8	3,021
Minn.	Jan. 1938	180	103	1,279	1,049	8,200	7,601	8,096	6,963	104	355
Miss.	Apr. 1938	68	62	395	363	1,416	1,447	1,416	1,419	(2)	222
Mo.	Jan. 1939		199		1,188		5,465		5,003		461
Mont.	July 1939		18		91		765		765		(2)
Nebr.	Jan. 1939		45		226		1,305		1,281		123
Nev.	-do.		14		73		816		6758		657
N. H.	Jan. 1938	117	39	559	318	2,734	1,553	2,420	1,332	312	220
N. J.	Jan. 1939		11376		2,253		14,911		14,880		(2)
N. Mex.	Dec. 1938	4	36	(1)	176	9	1,226	9	1,131	(8)	95
N. Y.	Jan. 1938	2,590	1,861	(3)	47,208	89,334	79,949	89,334	79,949		(2)
N. C.	-do.	400	263	3,446	1,280	8,211	4,413	(5)	63,987	8	6250
N. Dak.	Jan. 1939		11		83		5451		508		37
Ohio.	-do.		361		3,669		23,687		20,621		1,458
Okla.	Dec. 1938	221	103	22	624	71	4,244	71	3,887	(8)	357
Oreg.	Jan. 1938	188	125	3762	541	5,921	4,073	5,416	3,656	5051	410
Pa.	do.	71,090	7649	9,230	6,446	71,628	54,676	71,628	52,615	0	(2)
R. I.	-do.	192	167	1,681	869	9,433	5,805	8,425	5,370	1,008	435
S. C.	July 1938	34	7114	204	653	595	2,146	365	1,455	230	690
S. Dak.	Jan. 1939		11		77		394		364		30
Tenn.	Jan. 1938	194	120	1,906	1,045	6,146	4,582	5,939	4,231	207	330
Tex.	-do.	317	276	1,803	1,172	9,423	10,664	8,930	69,792	492	6860
Utah	do.	59	481	302	226	2,463	1,696	2,407	121,656	56	1240
Vt.	do.	301	21	153	102	825	575	743	526	791	49
Va.	do.	149	126	3836	794	5,640	4,493	4,784	4,125	856	266
Wash.	Jan. 1939		139		796		6,153		5,593		580
W. Va.	Jan. 1938	188	207	2,141	857	12,067	4,220	10,191	3,892	1,876	303
Wis.	July 1936	331	13156	1,441	795	9,524	3,675	148,985	3,370	14539	300
Wyo.	Jan. 1939		211		1111		1,154		9651		170

1 Unadjusted for returned or voided benefit checks. For most States, figures for all unemployment include irregular payments not broken down by type of unemployment.

2 Includes payments for part-total unemployment except where otherwise noted. Payments for partial unemployment are not provided by State law in Mass., Miss., Mont., N. J., N. Y., and Pa. Of these, only Mississippi provides for payments less than the full weekly benefit amount for total unemployment, i. e., "part-total" unemployment. 1 Kentucky, which pays benefits for part-total unemployment, the provision for benefits for partial unemployment became effective Jan. 1940. Provision for payment of benefits for partial and part-total unemployment in Mich. became effective Jan. 1939 and in Nebr. in May, 1939.

3 Data for Jan. not reported by Calif., Maine, and Oreg.; for Jan.-Mar., by Mass. and Va.; for May and by Ind.; and for entire year, by N. Y. Data for Jan.-Mar. not reported by N. Y. Data for Feb.-Mar. not reported by Conn.; for Feb.-July, by Md.; and for entire year, by N. Y. Data for Jan. reported by Alaska, Nev., and Tex.; for Jan.-Mar., by C. and for Jan.-May, by N. Y. Excludes "additional claims."

Data for Feb., Mar., and Apr. were for total unemployment only.

Data for Feb. and Mar. were for total unemployment only.

Excludes "additional claims" Sept.-Dec. in Md. and for Jan.-Sept. in N. J.

Payments for part-total unemployment included with payments for total unemployment.

Includes claims for total and part-total unemployment only.

Payments for part-total unemployment included with payments for total unemployment Jan.-Aug. and with payments for partial unemployment Sept.-Dec.

Source: Federal Security Agency, Social Security Board, Bureau of Employment Security official records.

# No. 408.- UNEMPLOYMENT COMPENSATION-NUMBER OF EMPLOYEES, BY MAJOR INDUSTRIAL DIVISIONS, BY STATES AND TERRITORIES: 1938

NOTE. Data classified by industry groups listed in the Social Security Board Industrial Classification Code, edition of Mar. 15, 1937, with slight modifications in the major industrial divisions. Figures represent monthly averages and are based on the number of covered employees reported each month on the various types of pay rolls. Figures are preliminary and subject to revision.

STATE AND TERRITORY	Total	Min- ing and quarry- ing	Con- struc- tion	Manu- factur- ing	Trans- porta- tion	Com- muni- cation	Utili- ties	Trade	Fi- nance, instru- ments and real estate	Serv- ice	Other
Alabama.	247,887	27,249	12,139	129,212	58,805	3,060	5,563	44,522	3,142	13,285	910
Alaska.	10,763	3,268	391	4,039	1,507	39	78	1,061	28	347	5
Arizona.	58,604	9,871	4,224	7,326	7,022	967	1,499	19,192	1,156	6,940	407
Arkansas.	137,607	7,477	5,155	41,428	18,831	2,235	2,913	40,617	3,284	14,504	1,163
California.	1,271,447	36,421	60,688	345,625	117,212	29,879	24,625	395,810	62,107	173,783	25,296
Colorado.	136,886	14,156	6,184	28,406	18,668	4,619	3,740	42,703	4,357	13,261	792
Connecticut.	413,564	726	12,526	253,114	17,563	5,620	6,676	70,081	23,094	20,700	3,464
Delaware.	57,669	171	3,617	21,660	5,557	537	722	13,426	2,219	3,920	75,840
Dist. of Columbia.	158,331	6	13,607	13,544	11,770	4,850	4,244	65,165	15,140	29,929	82
Florida.	221,382	2,840	12,589	59,507	29,923	4,799	4,506	73,037	7,076	25,906	1,199
Georgia.	330,585	1,597	15,172	167,145	32,844	6,535	6,721	70,742	8,761	20,345	723
Hawaii.	79,839	64	5,122	41,448	5,256	769	1,968	15,451	1,646	5,899	82,216
Idaho.	60,032	5,499	2,985	11,427	7,264	1,248	2,619	20,913	1,107	6,045	925
Illinois.	1,603,086	41,046	36,503	704,649	170,287	34,512	23,903	368,648	74,257	129,009	15,272
Indiana.	530,651	11,906	13,194	299,451	46,713	8,226	10,114	99,759	15,270	25,860	158
Iowa.	241,140	6,115	11,067	80,088	30,727	7,080	6,544	72,222	8,936	18,179	143
Kansas.	170,680	16,105	7,865	40,694	33,630	5,268	6,097	47,573	4,514	10,303	231
Kentucky.	265,986	53,045	11,678	74,432	32,715	4,122	4,982	61,807	6,257	15,800	1,148
Louisiana.	245,787	12,642	12,574	83,677	31,787	4,104	5,964	62,039	8,010	20,612	4,378
Maine.	134,364	278	4,325	78,057	9,190	2,548	3,087	24,201	2,479	5,905	4,294
Maryland.	346,672	2,487	18,383	151,063	39,158	5,157	6,785	79,273	17,424	26,250	692
Massachusetts.	927,882	400	22,413	493,000	55,335	18,387	15,519	217,278	43,804	57,493	4,253
Michigan.	900,907	16,234	23,158	525,355	46,297	13,031	19,722	174,646	28,479	50,780	3,205
Minnesota.	397,142	8,399	19,265	101,085	44,188	7,788	7,468	45,871	19,942	40,991	2,148
Mississippi.	108,444	638	10,631	47,889	13,532	2,184	1,980	21,829	2,086	6,585	1,090
Missouri.	544,126	8,832	14,522	207,733	64,258	11,880	11,014	154,877	26,228	43,296	1,486
Montana.	72,732	8,741	3,786	10,691	11,563	1,378	2,311	23,617	1,795	7,640	1,167
Nebraska.	116,480	616	6,011	25,836	21,842	4,949	2,657	38,895	5,769	9,905	
Nevada.	22,885	5,352	1,511	1,018	4,188	375	471	6,830	293	2,846	1
New Hampshire.	99,097	364	3,748	61,134	3,845	1,622	2,236	17,071	1,875	5,998	1,204
New Jersey.	839,620	3,122	21,045	484,995	60,620	13,967	18,185	138,700	37,207	55,927	5,852
New Mexico.	42,591	9,441	3,415	3,641	7,075	755	1,039	12,848	512	3,696	169
New York.	3,051,981	5,671	109,992	1,161,493	237,470	73,534	9,902	750,073	105,273	174,790	
North Carolina.	438,604	1,767	19,756	284,028	122,901	4,402	135,074	72,271	8,900	18,163	1,342
North Dakota.	31,787	584	1,948	3,841	6,719	1,260	1,294	13,340	658	2,142	1
Ohio.	1,307,393	26,924	36,764	654,174	105,173	19,848	25,817	305,742	46,344	82,229	4,378
Oklahoma.	189,920	34,376	7,416	36,957	20,718	5,429	5,092	54,366	5,235	15,553	4,778
Oregon.	142,060	845	5,292	53,198	15,850	3,205	4,349	38,035	4,446	12,750	64,090
Pennsylvania.	2,231,049										
Rhode Island.	175,978	205	5,273	109,210	6,117	2,217	3,230	35,363	5,069	9,190	104
South Carolina.	192,258	1,240	9,393	127,437	121,637	1,838	132,409	29,276	1,323	7,235	470
South Dakota.	35,092	2,823	2,401	6,085	4,458	1,387	1,262	13,451	854	2,344	21
Tennessee.	298,804	11,694	12,069	138,288	30,561	4,984	5,918	68,524	6,581	19,256	929
Texas.	672,704	64,363	40,267	162,841	98,920	15,333	19,775	192,586	18,063	55,362	5,194
Utah.	75,381	8,862	3,395	15,887	10,477	1,777	2,073	23,039	2,373	6,300	1,198
Vermont.	46,544	1,283	2,146	23,346	4,780	1,157	1,140	9,137	1,145	2,308	102
Virginia.	316,033	18,745	16,276	130,705	42,664	4,545	6,844	67,783	8,555	19,109	807
Washington.	261,109	4,275	12,882	91,916	29,945	5,940	5,340	71,131	8,723	20,697	610,260
West Virginia.	278,587	106,620	5,638	80,524	23,197	2,763	9,822	35,883	3,199	10,189	743
Wisconsin.	430,210	2,000	10,944	230,011	32,436	9,150	7,774	86,560	14,432	22,696	714,207
Wyoming.	39,587	8,269	3,699	3,815	8,055	587	7585	10,101	4741	3,802	27

1 Includes industry groups No. 71 (eating and drinking places) and No. 75 (auto repair services, garages, and filling stations). 2 Includes ind. group No. 66 (real estate, ins., loans, law Offices, or any comb.).

3 Includes total service (less No. 71 and No. 75- included in trade), professional services, industry group No. membership organizations, such as trade associations, trade unions, etc.), and industry group No. 88 (governmental agencies other than Federal).

4 Includes industry groups Nos. 67 and 68 (administrative offices and auxiliary units), industry group 85 (private business organizations not elsewhere classified), and other industries not elsewhere classified. Excludes industry group No. 40 (interstate railroads) not covered by State law.

Includes logging and lumbering camps, not attached to sawmills and logging contractors. Over 80 percent auxiliary units and holding companies. Includes plantation agencies.

Not adjusted for change in coverage from employee self-reporting or more, effective Oct. 1, 1938.

Monthly averages based on data for 8 months (March, April, May, and June to December).

Includes approximately 18,000 covered workers in domestic service covered by State law. Monthly averages are derived from monthly employment totals based on the sum of all employees on the monthly pay rolls, plus the highest number on the semimonthly, weekly, and any other pay rolls. Does not include approximately 10,847 workers reported under temporary number each month. 12 See note 13.

Includes street, suburban, and interurban railways and suburban bus lines. Based on 9-month data (April through December). City industrial classifications reported.

Data adjusted to conform with Social Security Board industrial classifications.

Includes approximately 13,000 government employees (other than Federal) covered by State law.

Source: Fed. Sec. Agency, Soc. Sec. Bd., Bur. of Employment Security; Fourth Annual Report.

No. 409.- UNEMPLOYMENT COMPENSATION REPORTED TAXABLE PAY ROLLS,  
BY MAJOR INDUSTRIAL DIVISIONS, BY STATES AND TERRITORIES: 1938

NOTE.-In thousands of dollars. See headnote, table 408. Figures are preliminary and subject to revision

STATE AND TERRITORY	Total	Min- ing and quar- rying	Con- tract con- struc- tion	Manu- factur- ing	Trans- porta- tion	Com- muni- cation	Utili- ties	Trade	Fi- nance, insur- ance, and real estate	Sees	Other *
Alabama	209,786	23,744	7,317	106,253	55,118	3,436	8,030	41,636	4,180	9,496	576
Alaska	18,788	7,932	685	6,137	1,690	59	137	1,621	76	446	5
Arizona	78,145	15,527	5,839	9,477	11,428	1,258	2,278	22,759	1,884	7,039	656
Arkansas	120,939	8,344	3,371	31,160	22,372	2,343	3,435	34,516	4,252	10,052	1,094
California	1,997,284	68,923	87,993	532,472	189,470	50,634	42,170	62,710	105,465	21,225	57,249
Colorado	178,400	18,371	7,370	38,193	30,453	6,604	5,431	50,899	7,032	11,965	2,082
Connecticut	566,636	987	18,483	322,815	29,669	10,207	13,744	95,902	44,640	24,704	5,485
Delaware	82,421	169	3,758	26,808	8,132	841	1,113	14,706	3,911	4,254	711
Dist. of Col.	210,034	Of	14,800	22,141	19,036	7,907	7,417	79,092	19,859	39,651	131
Florida	218,976	2,720	12,087	50,600	33,608	5,713	6,743	74,372	9,776	22,568	789
Georgia	302,365	1,084	8,910	126,195	43,008	9,347	9,486	73,956	13,137	16,186	1,056
Hawaii	69,459	53	4,878	25,228	5,498	1,183	2,872	15,809	3,075	5,804	84,059
Idaho	70,836	9,219	3,516	14,314	11,108	1,2501	2,935	21,597	1,351	4,629	917
Illinois	2,411,554	48,096	64,593	1,034,783	287,766	53,751	57,780	620,783	32,227	178,000	38,973
Indiana	697,545	14,256	18,804	398,979	75,244	10,091	16,522	112,871	25,410	24,892	476
Iowa	294,776	5,806	12,257	100,949	49,191	7,925	9,288	79,206	14,679	15,296	179
Kansas	211,496	22,665	7,047	54,023	52,042	5,575	7,062	47,365	7,0125	8,171	534
Kentucky	295,314	51,362	10,795	83,533	50,305	4,456	6,985	63,110	9,691	13,820	1,257
Lotisiana	283,542	23,710	14,763	86,607	38,035	5,488	9,115	68,999	11,992	19,412	5,421
Maine	143,803	388	4,375	76,891	13,343	3,346	4,556	28,513	4,371	5,190	2,830
Maryland	410,932	2,334	19,964	180,197	50,249	7,879	12,303	84,662	27,128	24,758	1,458
Massachusetts	1,245,702	490	34,932	613,677	89,175	31,433	28,192	295,539	76,799	65,360	10,105
Michigan	1,366,889	20,586	34,630	835,540	72,436	19,416	38,056	229,459	49,244	63,215	4,297
Minnesota	152,312	11,721	20,581	143,745	71,949	10,445	12,793	168,189	28,825	41,375	2,689
Mississippi	80,650	542	6,558	32,395	16,387	2,172	2,490	21,815	2,499	4,219	573
Missouri	708,723	8,615	18,418	259,056	102,978	17,553	18,005	195,947	40,859	44,210	3,082
Montana	98,461	13,977	4,247	16,440	19,507	1,572	4,097	27,630	2,273	6,435	2,283
Nebraska	147,055	474	6,087	33,821	35,764	6,534	3,712	42,690	9,578	8,393	
Nevada	33,600	8,788	1,990	1,4231	7,077	5561	769	8,871	3851	3,740	2
N. Hampshire	104,632	461	3,710	61,7631	5,551	2,193	3,479	18,232	3,319	5,208	716
New Jersey	1,187,897	4,716	32,564	661,998	94,917	24,810	34,791	194,695	69,781	63,032	6,593
New Mexico	51,589	13,459	3,984	3,6181	10,699	7691	1,3241	13,991	685	2,926	134
New York	4,282,808	7,532	161,364	1,532,082	362,903	135,711	126,465	1,012,074	16,313	198,566	114,967
North Carolina	371,348	1,164	12,289	221,437	30,066	4,791	27,466	66,486	13,313	12,646	1,640
North Dakota	38,895	748	1,813	4,592	10,872	1,3291	1,774	14,704	994	2,068	1
Ohio	1,889,614										
Oklahoma	250,611	57,065	6,861	46,521	31,493	6,323	8,021	61,173	7,410	13,824	11,920
Oregon	216,816	1,353	8,425	80,043	26,847	5,167	1,698	59,157	6,868	14,498	66,760
Pennsylvania	2,773,608										
Rhode Island	208,978	257	6,418	121,998	8,936	3,721	6,049	42,117	9,341	9,747	394
South Carolina	153,977	909	6,669	92,634	121,3701	1,893	23,207	27,750	2,164	4,885	165
South Dakota	41,742	5,247	2,000	7,6861	6,864	1,350	1,587	13,897	1,207	1,393	11
Tennessee	306,864	10,705	10,133	130,042	44,538	5,814	8,340	71,710	3,963	15,364	1,255
Texas	837,507	215,111	37,926	201,357	137,114	17,768	28,341	210,712	26,852	49,233	13,093
Utah	96,4871	12,378	3,821	19,381	17,884	2,084	2,903	25,445	3,500	5,889	3,202
Vermont	53,204	1,837	1,885	25,098	6,836	1,400	1,601	10,439	2,279	1,764	65
Virginia	347,624	20,275	15,011	127,927	62,879	5,992	10,042	75,103	12,999	16,469	927
Washington	363,453	5,889	19,621	125,734	45,603	9,531	9,154	97,213	13,866	22,299	6114
West Virginia	340,912	121,946	5,605	100,766	37,050	3,565	15,177	41,076	5,261	9,612	854
Wisconsin	607,056	2,750	16,278	334,213	51,798	11,588	13,042	111,195	26,590	24,985	14,616
Wyoming	51,814	13,139	4,412	5,070	13,415	675	1,085	10,684	544	2,748	42

See note table 408.

See note table 408.

See note table 408.

See note 5 table 408.

See note 5 table 408.

See note table 408.

Includes \$16,297,000 in pay rolls for industry group No. 67 (administrative offices and holding companies). Includes \$4,029,000 paid to employees of plantation agencies.

Change in coverage law from employers of 8 or to 4 or more effective Oct. 1, 1938.

Excludes that part of any employee's annual wage increase of 3,000. Does not include approximately \$12,000,000 reported for employees under temporary numbers.

Includes 30,139,000 reported domestic service, covered by State law.

See note 13, table 408.

Aggregate annual pay rolls by industrial divisions not reported.

See note 16, table 408.

Includes \$12,980,000 paid to government employees (other than Federal) covered by State law.

Source: Federal Security Agency, Social Security Board, Bureau of Employment Security; Fourth Annual Report.

# No. 410. UNEMPLOYMENT COMPENSATION- STATE FUNDS AVAILABLE FOR BENEFITS, COLLECTIONS, INTEREST EARNED, AND BENEFITS PAID, BY STATES AND TERRITORIES: 1939

NOTE-Inthousands of dollars. All reported by State agencies except interest, which is reported by the U. S. Treasury. With the shift of coverage of interstate railroads to the Railroad Retirement Board effective July 1, 1939, State agencies discontinued collection of contributions and payment of benefits to employees of interstate railroads. Data corrected to Mar. 15, 1940. See general note, p. 366

STATE AND TERRITORY	Month and year benefits first pay- able	Funds available Jan. 1, 1939 <sup>1</sup>	Collec- tions 2	Interest earned 3	Benefits paid <sup>4</sup>	Funds available: Dec. 31, 1939 <sup>1</sup>
Total-		1,110,625	824,876	32,192	429,298	1,837,797
Alabama	Jan. 1938	7,403	8,497	234	4,285	31,849
Alaska	Jan. 1939	885	547	22	350	1,111
Arizona	Jan. 1938	1,937	2,154	54	1,519	2,626
Arkansas	Jan. 1939	5,309	3,434	150	1,816	7,077
California	Jan. 1938	107,636	77,326	3,145	38,546	149,561
Colorado	Jan. 1939	8,944	5,040	241	3,465	10,760
Connecticut	Jan. 1938	16,266	16,584	545	5,126	527,771
Delaware	Jan. 1939	3,915	2,388	118	711	5,710
District of Columbia	Jan. 1938	10,782	6,763	328	1,423	16,450
Florida	Jan. 1939	9,871	6,486	295	3,503	13,149
Georgia	-do.	15,502	8,018	429	3,238	20,712
Hawaii	-do.	3,250	1,851	99	286	4,914
Idaho	Sept. 1938	3,211	2,001	65	2,193	3,084
Illinois	July 1939	117,940	68,132	3,755	16,783	173,044
Indiana	Apr. 1938	22,856	20,900	688	10,217	34,227
Iowa	July 1938	11,446	8,187	206	5,224	14,705
Kansas	Jan. 1939	10,181	5,441	293	2,288	13,627
Kentucky	-do.	18,936	11,095	543	4,863	25,711
Louisiana	Jan. 1938	12,805	9,808	341	5,934	17,020
Maine	-do.	2,456	4,094	65	3,027	3,588
Maryland	-do.	9,269	12,108	296	5,747	15,926
Massachusetts	-do.	51,730	37,766	1,526	19,651	71,371
Michigan	July 1938	37,723	45,157	1,041	37,114	46,807
Minnesota	Jan. 1938	16,127	14,285	458	7,598	23,272
Mississippi	Apr. 1938	3,347	2,208	86	1,444	4,197
Missouri	Jan. 1939	34,036	19,567	1,041	5,461	49,183
Montana	July 1939	4,772	2,746	145	765	6,898
Nebraska	Jan. 1939	7,082	3,919	206	1,304	9,903
Nevada	-do.	1,528	947	40	815	1,700
New Hampshire	Jan. 1938	4,350	2,846	116	1,549	5,763
New Jersey	Jan. 1939	66,691	45,764	1,998	14,906	99,547
New Mexico	Dec. 1938	2,472	1,429	64	1,226	2,730
New York	Jan. 1938	138,959	116,235	3,799	80,019	178,974
North Carolina	-do.	11,195	11,147	343	4,395	18,290
North Dakota	Jan. 1939	1,897	987	51	545	2,390
Ohio	-do.	97,884	55,427	2,838	23,662	132,487
Oklahoma	Dec. 1938	13,202	5,587	330	4,241	14,878
Oregon	Jan. 1938	6,080	5,670	159	4,053	7,856
Pennsylvania	-do.	70,585	78,587	1,968	54,602	96,538
Rhode Island	-do.	6,960	8,171	196	5,746	9,58E
South Carolina	July 1938	7,863	3,849	214	2,143	9,783
South Dakota	Jan. 1939	1,977	1,126	57	394	2,766
Tennessee	Jan. 1938	8,577	8,696	268	4,578	12,963
Texas	-do.	32,783	22,567	944	10,707	45,587
Utah	-do.	2,240	2,687	67	1,694	3,300
Vermont	-do.	2,042	1,526	57	574	3,051
Virginia	-do.	11,254	10,099	342	4,488	17,207
Washington	Jan. 1939	18,891	8,936	491	6,146	22,172
West Virginia	Jan. 1938	7,217	9,974	216	4,213	13,194
Wisconsin	July 1936	37,960	14,620	1,068	3,567	50,081
Wyoming	Jan. 1939	2,401	1,396	61	1,154	2,704

1 Represents sum of balances at end of month in State clearing account, benefit-payment account, and Unemployment Trust Fund Account maintained in the U. S. Treasury.

2 Includes contributions plus penalties and interest collected from employers during 1939. Figures are adjusted for refunds of contributions and for dishonored contribution checks. Employer contributions of 2.7 percent are collected in all States except the District of Columbia and Michigan, which the rate is 3 percent; in New York, the rate is 3 percent for employers covered by State law but not covered by title IX; those employers covered by title IX pay 2.7 percent. Employee contributions are collected in 6 States. note 5.

3 Except interest earned on funds State accounts the Unemployment Trust Fund which is credited reported by the U. S. Treasury the last month of each quarter.

4 Adjusted for voided benefit checks.

5 Employee contributions of 1 percent are collected in Alabama, California, Kentucky, and New Jersey; 0.5 percent in Louisiana; and 1.5 percent in Rhode Island.

6 Under provision of the Connecticut law, administrative grants equal to the preliminary and "liquidating" amounts to be transferred to the Railroad Unemployment Insurance Account are to be withheld by the Social Security Board, and the State is permitted to withdraw from an unemployment compensation insurance funds the amounts found necessary for administrative purposes, up to the amount so withheld. As of Dec. 31, 1939, \$509,000 had been withheld.

Source: Federal Security Agency, Social Security Board, Bureau of Employment Security; Social Security Yearbook.

**No. 411. AMOUNT OF PUBLIC ASSISTANCE AND EARNINGS OF PERSONS EMPLOYED UNDER FEDERAL WORK PROGRAMS IN CONTINENTAL UNITED STATES: 1933 TO JUNE 1940**

NOTE.—In thousands of dollars. Figures exclude cost of administration; of materials, equipment, and other items incident to operation of work programs. Figures are partly estimated and subject to revision. See general note, p. 366

YEAR AND MONTH	All public assistance and earnings of persons employed under Federal work programs	OBLIGATIONS INCURRED FOR				EARNINGS OF PERSONS EMPLOYED UNDER FEDERAL WORK PROGRAMS <sup>2</sup>					
		Special types of public assistance <sup>3</sup>	General relief <sup>4</sup>	Emergency relief Administration <sup>5</sup>	Subsistence payments certified by Civilian Conservation Corps <sup>7</sup>	National Youth Administration <sup>7</sup>	Student work program	Out-of-school work program	Work Projects Administration <sup>8</sup>	Other Federal work and construction projects <sup>9</sup>	Civil Works Program <sup>10</sup>
1933.	1,358,159	72,414	758,752	5,753	140,736					65,548/214,956	
1934.	2,436,328	30,003	1,200,360	61,069	260,957					330,879/503,060	
1935.	2,905,704	11,503	1-9310	114,996	2,541,332,851	6,364			238,018/352,151		
1936.	2,253,776	217,516	439,004	3,873	20,365/202,397	26,329	28,883	1,592,039/633,370			
1937.	2,860,382/397,867		406,882	467	35,894/245,756	24,287	920,425	1,852,000/3,2			
1938.	3,487,182/508,080		476,202		22,587/230,318	19,598	41,560	1,750,836/437,101			
1939.	5,494,490/666,860		481,726		18,060/230,613	22,707	61,538	1,565,224/1,557,872			
Jan.	316,274	45,898	43,701		2,391	20,642	2,266	4,347	160,606	36,423	
Feb.	310,087	46,191	45,023		2,327	20,689	2,457	4,472	154,765	34,158	
Mar.	318,468	46,369	46,587		2,492	18,103	2,446	4,451	162,596	35,424	
Apr.	309,348	46,201	41,277		2,242	19,974	2,494	4,318	152,457	40,385	
May.	308,041	46,161	39,237		1,687	20,432	2,494	4,286	147,979	45,765	
June.	304,526	47,080	37,052		1,284	18,637	1,935	3,993	140,597	53,948	
July.	279,112	47,518	36,264		828	19,317	(11)	2,561	122,112	50,512	
Aug.	276,548	47,756	38,234		1,211	19,372	51	4,145	111,593	54,232	
Sept.	258,231	47,937	38,647		846	17,097	306	4,222	93,050	56,126	
Oct.	268,559	47,898	38,691		876	19,308	2,390	4,437	101,986	52,965	
Nov.	271,760	48,259	38,277		1,156	19,321	2,952	4,864	105,589	51,342	
Dec.	273,534	48,592	38,721		1,710	17,621	2,962	5,442	111,804	46,592	
1940 (6 mos.)	3,630,526	308,803	229,912		13,266/108,341	18,330	35,249	584,097/237,878			
Jan.	270,511	50,679	42,597		1,992	19,426	2,852	5,816	109,759	37,390	
Feb.	274,083	51,184	41,494		2,309	19,605	3,114	6,138	115,032	35,207	
Mar.	280,520	51,231	40,218		2,805	17,479	3,266	6,251	124,363	34,907	
Apr.	279,533	51,582	37,817		2,500	18,051	3,361	5,911	119,959	10,352	
May.	274,806	51,751	35,378		2,144	17,908	3,423	5,554	114,346	44,302	
June.	256,473	52,426	32,408		1,516	15,872	2,314	5,579	100,638	45,720	

1 Figures from the F. S. A. represents net amount of emergency grant vouchers certified to cases and value of commodities distributed during month.

2 Includes earnings of persons certified as need and earnings of all other persons employed on work and construction projects financed in whole or in part from Federal funds. Figures for the C. C. O. represent earnings of enrolled persons only.

3 Figures through January 1936 represent payments from State and local funds only. Thereafter, figures represent payments to recipients from Federal, State, and local funds in States administering special types of public assistance under the Social Security Act and from State and local funds only in States not participating under the act. After 1939, figures include payments for hospitalization and burials.

4 Figures through March 1937 from the W. P. Division of Statistics. Figures for 1933-35 include obligations incurred for direct relief, and earnings<sup>7</sup> relief and nonrelief persons (other than of administrative employees) employed under the general relief program of the F. E. R. A.; they also include an estimated amount of obligations incurred for relief extended to cases by local authorities from public funds under the poor laws. 1939, figures include payments for hospitalization and burials.

5 Figures from the W. P. A., Division of Statistics; include obligations incurred for relief extended to cases under the emergency education; student aid, rural rehabilitation, and transient programs of the emergency Relief Administrations largely financed from F. E. R. A. funds.

6 Figures estimated by the C. G. C. by multiplying average monthly number of persons enrolled by an average of \$70 per month through June 1939, for July-October and \$66.25 for November and December. This average amount is based on amount of obligations incurred for cash allowances and for clothing, shelter, subsistence, and medical care persons enrolled, and for certain items.

7 Figures for September 1935-June 1936 from the W. P. A., Division of Statistics; thereafter, from the Y. A.; represent earnings during all pay-roll periods ended during month.

8 Figures from the W. P. A., Division of Statistics; represent earnings of persons employed on projects operated by the and, after June 1938, earnings of persons employed on Federal agency projects financed by transfer from W. P. A. funds; cover all pay-roll periods ended during month.

9 Figures from the Bureau of Labor Statistics, Division of Construction and Public Employment; represent earnings on other work and construction projects financed whole or in part from Federal funds and cover all pay-roll periods ended during month, period ended 15th of specified month.

10 Figures from the W. P. A., Division of Statistics; represent estimated total earnings during month. : Less than \$500.

Source: Federal Security Agency, Social Security Board, Bureau of Research and Statistics; figures are published currently in Social Security Bulletin,





[In thousands]

YEAR AND MONTH	ESTIMATED UNDUPLICATED TOTAL		RECIPIENTS OF SPECIAL TYPES OF PUBLIC ASSISTANCE					PERSONS EMPLOYED UNDER FEDERAL WORK PROGRAMS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

Source: Federal Security Agency, Social Security Board, Bureau of Research And Statistics; figures are published currently in Social Security Bulletin.

YEAR I	Number of State and Territorial laws in effect	Number of recipients at end of year	Total payments (thousands of dollars)	Average monthly payment	YEAR I	Number of State and Territorial laws in effect	Number of recipients at end of year	Total payments (thousands of dollars)	Average monthly payment
1915.	1	42	2	\$4.70	1932.	16	102,894	25,048	\$20.78
1923.	2	518	50	7.98	1933.	17	115,549	25,157	19.25
1924.	2	723	108	12.41	1934.	27	235,265	32,395	14.53
1925.	3	817	146	14.86	1935.	32	408,502	65,002	15.57
1926.	3	1,165	230	16.46	1936.	45	1,107,649	155,484	18.79
1927.	3	1,255	231	15.37	1937.	50	1,579,353	310,792	19.46
1928.	6	1,514	285	16.42	1938.	51	1,779,300	392,949	19.55
1930.	9	10,648	2,138	16.73	1939.	51	1,912,356	431,328	19.33
1931	16	76,663	16,252	19.01					

Sources: 1915-35, Dept. of Labor, Bur. of Labor Statistics; Monthly Labor Review, October 1936. 1936-39, Federal Security Agency, Social Security Board, Bur. of Research and Statistics; official reports.

No. 414. AMOUNT OF PUBLIC ASSISTANCE AND EARNINGS OF PERSONS EMPLOYED UNDER FEDERAL WORK PROGRAMS IN CONTINENTAL UNITED STATES, BY STATES: JUNE 1940

NOTE.—In thousands of dollars. See headnote and footnotes, table 411

STATH	Total	OBLIGATIONS INCURRED FOR-					Sub- sistence pay- ments certi- fied by the Farm Secur- ity Ad- minis- tration	EARNINGS OF PERSONS EMPLOYED UNDER FEDERAL WORK PROGRAMS			
		Special types of public assistance			Gen- eral relief	Civil- ian Con- serva- tion Corps		National Youth Ad- ministration		Other Fec- eral work and con- struc- tion proj- ects	
		Old- age as- sist- ance	Aid to de- pend- ent child- ren	Aid to the blind				Stu- dent work pro- gram	Out-of- school work pro- gram		
Total.	256,273	39,616	10,997	1,813	32,408	1,516	15,872	2,314	5,579	100,638	45,720
Alabama.	3,845	187	84	5	24	81	460	15	147	1,842	1,000
Arizona.	1,216	228	82	10	50	62	169	13	13	381	208
Arkansas.	2,399	149	56	7	23	17	518	6	84	1,307	230
California.	18,956	5,382	707	344	3,186	204	494	139	177	5,256	3,068
Colorado.	3,630	1,389	179	19	229	65	151	24	28	1,116	429
connecticut	2,917	461	270	6	540	(3)	102	25	53	957	701
Delaware.	360	30	17		25	1	24	4	11	153	96
Dist. of Columbia.	3,015	86	35	5	53		46	18	25	754	1,995
Florida.	3,082	423	83	30	58	15	247.	26	84	1,353	764
Georgia.	3,389	226	78	11	42	25	503	28	173	1,682	620
Idaho.	968	196	83	6	32	25	60	9	34	416	106
Ellinois.	18,954	2,898	2168	2205	3,650	10	765	175	243	8,306	2,532
Indfana.	6,069	1,193	489	57	549	3	324	44	123	2,658	628
Iowa.	3,574	1,153	262	35	490	4	176	61	91	1,133	369
Kansas.	2,799	530	190	27	308	41	225	26	68	1,121	263
Kentucky	3,687	426	28		243	19	378	17	153	1,710	934
Louisiana.	3,327	379	310	16	141	12	358	18	173	1,274	646
Maine.	1,571	300	59	28	245	5	100	15	60	321	436
Maryland	2,725	327	228	14	178	5	144	24	61	885	858
Massachusetts.	12,720	2,445	707	27	1,771	0	451	75	160	4,407	2,675
Michigan.	8,349	1,239	717	19	1,084	13	495	118	171	3,915	578
Minnesota.	5,671	1,351	305	25	795	20	416	68	155	2,132	404
Mississippi	2,509	179	21	6	9	25	360	23	99	1,188	620
Missouri.	7,659	1,481	264	291	277	123	644	73	152	3,809	744
Montana.	1,673	220	66	4	83	94	123	6	27	598	452
Nebraska.	2,744	459	149	14	133	34	175	32	61	1,207	481
Nevada.	357	60	2	(3).	16		15	1	6	89	167
New Hampshire.	1,458	124	30	7	159		35	6	29	355	711
New Jersey.	9,123	645	346	17	1,107	1	431	79	173	3,609	2,713
New Mexico.	1,211	65	48	4	18	115	129	11	45	568	209
New York.	28,261	3,035	1,625	73	8,513	10	990	313	645	9,378	3,680
North Carolina.	3,497	362	156	29	33	36	404	38	127	1,721	592
North Dakota.	1,240	148	74	4	92	35	190	21	39	515	122
Ohio.	14,381	2,863	383	78	1,369	6	730	116	200	7,460	1,176
Oklahoma.	4,506	1,289	269	34	254	75	598	47	112	1,685	344
Oregon.	2,129	410	78	11	155	10	119	16	20	852	457
Pennsylvania.	23,985	2,166	1,368	392	4,773	12	990	171	393	9,275	4,444
Rhode Island.	1,935	132	55		2285	(2)	13	16	33	634	765
South Carolina.	3,034	163	49	5	20	12	346	33	96	1,444	863
South Dakota.	1,404	291	32	4	89	94	162	12	33	541	145
Tennessee	4,049	106	261	18	22	7	430	27	88	1,608	1,183
Texas.	7,685	1,221	1		103	100	1,053	111	400	3,488	1,208
Utah.	1,381	289	120	5	112	16	62	24	26	558	168
Vermont.	489	87	19	4	56	3	25	9	13	198	76
Virginia.	3,848	171	61	13	83	2	361	42	133	1,095	1,886
Washington.	5,373	868	156	32	154	27	227	25	68	1,562	2,256
West Virginia.	2,932	247	178	14	184	7	269	26	115	1,638	
Wisconsin.	5,795	1,155	468	47	966	17	349	85	148	2,323	253
Wyoming.	592	81	24	4	25	20	37	6	10	160	226

Includes less than \$500 not distributed by States.

: Excludes \$500.

Source: Federal Security Agency, Social Security Board, Bureau of Research and Statistics; figures are published currently in Social Security Bulletin.

No. 415. RECIPIENTS OF PUBLIC ASSISTANCE AND PERSONS EMPLOYED UNDER  
FEDERAL WORK PROGRAMS IN CONTINENTAL UNITED STATES, BY STATES:  
JUNE 1940

NOTE.—See headnote and footnotes, table 412

STATE	RECIPIENTS OF SPECIAL TYPES OF PUBLIC ASSISTANCE					Cases for which sub- sistence pay- ments were certified by the Farm Secur- ity Ad- minis- tration	PERSONS EMPLOYED UNDER FEDERAL WORK PROGRAMS					
	Old-age assist- ance	Aid to de- pendent chil- dren		Aid to the blind	Cases re- ceiv- ing general relief			Civil- ian servi- ce Corps	National Youth Ad- ministration		Work Projects Admin- istra- tion	Other. Federal work and con- struc- tion projects
		Fami- lies	Chil- dren						Stu- dent work pro- gram	Out- of- school program		
Total	1,969,555	346,269	831,059	71,870	1,373,187	60,312	39,573	313,367	269,195	1,734,497	139,262	
Alabama.	19,940	5,914	17,134	600	2,498	1,262	6,950	1,903	6,196	34,523	9,889	
Arizona.	8,136	2,544	7,058	356	3,614	4,234	2,547	1,855	670	5,740	1,738	
Arkansas.	19,755	4,654	12,147	812	4,149	799	7,823	1,043	4,105	26,941	2,946	
California.	141,792	15,519	37,723	7,161	112,322	8,383	7,455	16,124	9,522	75,571	23,414	
Colorado.	41,152	9,501	14,506	640	14,133	3,001	2,282	2,564	1,425	17,234	3,684	
Connecticut.	17,148	21,400	23,300	246	19,053	2	1,545	3,666	2,471	16,724	5,508	
Delaware.	2,686	513	1,387		1,259	34	358	547	649	2,736	970	
District of Co- lumbia	3,353	933	2,757	210	2,131		688	1,682	1,337	10,799	13,078	
Florida	35,222	3,783	9,641	2,351	9,820	548	3,730	3,665	5,926	25,379	8,852	
Georgia.	28,243	3,815	9,799	1,111	6,744	1,127	7,600	3,398	8,863	35,388	7,942	
Idaho.	8,933	2,894	7,109	278	2,156	770	904	808	1,406	7,237	1,079	
Illinois.	138,291	27,500	217,000	7,700	148,035	469	11,545	24,434	14,805	135,737	17,218	
Indiana.	66,255	17,365	35,736	2,439	41,635	133	4,886	4,611	6,906	47,345	5,382	
Iowa.	55,109	23,000	27,000	1,460	28,789	141	2,651	7,307	4,989	19,093	4,197	
Kansas.	27,147	6,416	14,857	1,273	19,726	2,469	3,399	3,855	5,425	20,374	3,499	
Kentucky.	48,734	2,290	29,951		25,700	238	5,701	1,468	6,029	34,463	8,554	
Louisiana.	31,882	13,081	36,575	1,067	9,677	528	5,398	1,815	6,059	24,783	6,464	
Maine.	13,909	1,527	3,897	1,233	9,924	184	1,516	2,065	2,098	6,246	4,470	
Maryland.	18,516	7,326	19,739	683	8,462	210	2,167	3,138	3,981	15,220	6,407	
Massachusetts	85,186	12,074	30,486	1,183	58,133	17	6,801	11,789	6,978	65,910	20,679	
Michigan.	73,302	18,639	45,797	863	53,976	450	7,473	15,577	7,965	67,155	5,693	
Minnesota.	62,908	8,864	21,220	935	35,948	983	6,286	10,148	6,555	35,674	8,861	
Mississippi	21,510	2,104	21,62	780	1,166	1,103	5,439	3,262	5,932	25,758	8,449	
Missouri	92,032	11,076	26,519	6,555	23,633	1,910	9,718	9,568	9,360	64,411	9,131	
Montana.	12,175	2,370	5,741	195	4,931	3,790	1,862	630	1,420	8,736	3,630	
Nebraska.	27,784	5,423	12,094	688	10,501	2,115	2,639	4,646	2,927	20,196	5,544	
Nevada.	2,272	99	239	14	869	22	233	143	327	1,470	1,173	
New Eampshire-	5,785	673	1,727	321	6,872	41	527	566	1,508	6,234	4,925	
New Jersey.	31,145	11,174	25,037	720	48,138	102	6,505	11,707	6,737	58,511	21,508	
New exico.	4,483	1,888	5,486	233	2,152	5,873	1,947	1,771	2,162	9,024	2,032	
New York.	118,750	36,058	71,210	2,847	240,870	349	14,938	42,854	24,932	145,146	27,394	
North Carolina.	35,694	9,352	23,291	1,947	5,455	399	6,093	4,964	6,658	37,460	7,398	
North Dakota.	8,822	2,368	6,575	181	5,080	1,943	2,867	2,373	2,467	9,598	1,361	
Ohio.	122,885	9,934	27,731	3,964	86,345	292	11,018	17,080	10,969	118,994	10,942	
Oklahoma.	72,750	18,557	42,623	2,228	212,400	2,706	9,028	5,517	5,326	37,843	3,805	
Oregon.	19,173	1,980	4,674	452	9,491	279	1,801	1,610	1,185	12,658	3,640	
Pennsylvania.	98,218	38,049	86,630	12,962	183,601	445	14,942	29,071	20,477	158,605	35,877	
Rhode Island.	6,721	1,210	3,270	65	210,500	10	195	2,039	1,630	10,952	5,552	
South Carolina.	19,796	2,964	8,943	794	2,185	413	5,218	5,435	4,394	28,668	8,938	
South Dakota.	14,752	1,922	4,243	231	5,319	5,470	2,444	1,225	1,970	9,463	1,799	
Tennessee.	40,303	14,187	36,041	1,607	23,800	118	6,487	2,461	5,600	33,600	10,487	
Texas.	118,380	911	22,30		12,523	3,886	15,889	14,957	15,157	73,246	13,656	
Utah.	13,639	3,392	8,389	202	5,445	583	939	2,346	1,359	8,702	1,442	
Vermont.	5,442	569	1,652	153	2,488	441	374	1,128	746	3,833	774	
Virginia.	17,438	2,975	9,376	1,023	7,460	30	5,456	5,325	6,209	26,259	17,111	
Washington.	39,192	4,979	11,813	1,037	11,051	761	3,419	1,891	3,502	23,557	13,687	
West Virginia.	17,816	7,809	21,526	807	15,820	1065	4,067	3,572	5,743	30,011	2,617	
Wisconsin.	51,545	12,303	28,128	2,008	45,800	825	5,262	11,956	5,513	38,713	2,130	
Wyoming.	3,403	747	1,846	148	1,398	713	558	808	618	2,577	2,091	

1 Includes 4 persons not distributed by States.

2 Estimated.

Source: Federal Security Agency, Social Security Board, Bureau of Research and Statistics; figures are published currently in Social Security Bulletin.

## No. 416. GENERAL RELIEF, BY STATES: JUNE 1938, 1939, AND 1940

NOTE.—Based on reports from State agencies, corrected to July 25, 1940

STATE	NUMBER OF CASES RECEIVING RELIEF			AMOUNT OF OBLIGATIONS INCURRED FOR RELIEF (THOUSANDS OF DOLLARS) 1			AVERAGE AMOUNT OF RELIEF PER CASE		
	1938	1939	1940	1938	1939	1940	1938	1939	1940
Total 2	1,647,868	1,567,977	1,372,651	36,747	37,052	32,394	822.30	\$23.63	823.60
Alabama	2,464	2,019	2,498	23	18	24	9.27	9.11	9.68
Arizona	2,857	2,888	3,614	41	36	50	14.19	12.54	13.87
Arkansas	4,171	3,866	4,149	25	18	23	5.89	4.75	5.58
California	102,426	123,127	311,322	2,889	3,101	33,186	28.21	25.19	28.37
Colorado	10,900	11,964	14,133	4153	166	229		13.84	16.23
Connecticut	24,504	20,699	19,053	588	540	540	24.01	26.09	28.36
Delaware	2,013	1,452	1,259	38	27	25	18.69	18.73	19.77
District of Columbia	2,232	1,564	2,131	59	40	53	26.26	25.76	24.65
Florida	9,395	8,070	9,820	56	57	58	5.93	7.00	5.91
Georgia	7,283	5,933	6,744	43	33	42	5.94	5.51	6.22
Idaho	12,700	42,100	2,166	438	427	32			14.89
Illinois	167,169	186,684	148,035	3,262	4,117	3,650	19.51	22.05	24.66
Indiana	56,036	45,933	41,620	659	552	549	11.76	12.02	13.19
Iowa	27,497	27,202	28,789	429	438	490	15.61	16.09	17.03
Kansas	14,789	18,633	19,726	181	230	308	12.25	12.36	15.61
Kentucky 4	6,000	5,100	5,600	45	42	43			
Louisiana	7,333	7,829	9,677	100	101	141	13.59	12.89	14.62
Maine	11,538	10,131	9,924	233	206	245	20.18	20.39	24.67
Maryland	8,190	7,559	8,458	181	168	178	22.14	22.30	21.04
Massachusetts	71,334	63,172	68,133	1,930	1,659	1,771	27.06	26.27	26.00
Michigan	113,640	61,874	53,976	2,379	1,258	1,084	20.94	20.33	20.07
Minnesota	35,167	37,787	35,948	836	918	795	23.76	24.29	22.11
Mississippi	946	1,013	1,166	4	4	9	4.06	3.92	7.53
Missouri	41,414	36,650	23,633	359	409	277	8.67	11.15	11.71
Montana	7,382	5,161	4,931	114	62	83	15.41	11.92	16.90
Nebraska	6,351	8,416	10,501	83	98	133	13.06	11.71	12.67
Nevada	647	553	869	9	8	16	14.65	14.67	18.27
New Hampshire	8,713	7,559	46,900	209	174	4152	24.05	22.98	
New Jersey	475,300	461,900	48,138	1,698	1,389	1,108			23.01
New Mexico	2,045	2,192	2,152	14	15	18	6.85	6.95	8.16
New York	278,505	275,179	240,870	9,703	9,817	8,513	34.84	35.68	35.34
North Carolina	6,683	5,932	5,455	39	38	33	5.87	6.43	6.01
North Dakota	5,472	4,613	5,080	86	70	92	15.67	15.16	18.19
Ohio	101,869	89,958	86,345	1,585	1,492	1,369	15.56	16.58	15.85
Oklahoma 4	42,100	16,500	12,400	236	56	54			
Oregon	9,584	8,775	9,491	145	137	155	15.15	15.60	16.34
Pennsylvania	228,045	264,153	183,601	6,286	7,573	4,773	27.57	28.67	26.00
Rhode Island 4	11,300	10,000	10,500	288	287	285			
South Carolina	3,348	2,832	2,185	45	28	20	13.37	9.72	9.11
South Dakota	4,177	4,072	55,000	54	54	484	13.01	13.33	
Tennessee 4	3,800	4,000	3,800	22	22	22			
Texas	12,740	13,529	12,384	111	103	101	8.70	7.65	8.18
Utah	3,074	5,020	5,445	61	102	112	19.90	20.24	20.65
Vermont	2,876	2,669	2,488	64	60	56	22.14	22.48	22.31
Virginia	15,725	8,703	7,460	113	82	83	7.18	9.37	11.07
Washington	17,507	512,660	611,051	224	3170	6154	12.82	13.40	13.91
West Virginia	24,763	14,137	15,820	265	112	184	10.70	7.95	11.65
Wisconsin	42,452	44,750	45,803	720	912	967	16.95	20.37	21.10
Wyoming	1,412	1,465	1,398	22	26	25	15.76	17.64	17.73

1 Amount of payments to cases from State and local funds. Figures for 1938 and 1939 include money payments, assistance in kind and medical care; addition, hospitalization and burial included for 1940. Figures do not include cost of administration, on materials, equipment, and other items incident to the operation of work-relief programs, and of special programs.

Partly estimated.

2 Does not include cases receiving hospitalization and/or burial only; obligations incurred for these cases amounted to \$20,475.

3 Estimated. Does not include cases receiving medical care only; obligations incurred for these cases amounted to \$6,994.

4 Does not include cases receiving medical care, hospitalization and/or burial only; obligations incurred for these cases amounted to \$40,274.

Source: Federal Security Agency, Social Security Board, Bureau of Research and Statistics; figures are published currently in Social Security Bulletin.

**No. 417. FEDERAL GRANTS TO STATES AND TERRITORIES ADVANCES CERTIFIED BY SOCIAL SECURITY BOARD TO SECRETARY OF TREASURY FOR PUBLIC ASSISTANCE AND FOR ADMINISTRATION OF UNEMPLOYMENT COMPENSATION LAWS AND STATE EMPLOYMENT SERVICES: FISCAL YEAR 1939-40**

NOTE.—Advances are certified by the Social Security Board to the Secretary of the Treasury for a specified quarter of operation, which is not necessarily the period for which the certification is made. Revised to July 31, 1940. See general note, p.366

STATE AND TERRITORY	Total grants	PUBLIC ASSISTANCE				UNEMPLOYMENT COMPENSATION AND STATE EMPLOYMENT SERVICES			
		Total	Oid-age assistance	Aid to dependent children	Aid to the blind	Total	Under Social Security Act	Under Wagner-Peyser Act	
<b>Total.</b>	<b>5345,029,908</b>	<b>5283,420,478</b>	<b>231,078,669</b>	<b>846,113,458</b>	<b>\$6,228,351</b>	<b>\$61,609,431</b>	<b>358,331,672</b>	<b>53,277,759</b>	
Ala.	2,134,281	1,488,484	1,021,510	434,804	32,170	645,797	580,797	65,000	
Ala.SKE	263,496	209,661	209,661			53,835	43,835	10,000	
Ariz.	2,095,738	1,843,765	1,357,281	431,082	55,402	251,973	238,933	13,040	
Ark.	1,374,646	948,422	703,795	213,290	31,337	426,224	381,304	44,920	
Calif.	36,471,782	32,167,007	27,974,052	2,562,399	1,530,556	4,304,775	4,155,885	148,890	
Colo.	8,614,143	8,170,367	7,226,545	837,921	105,901	443,776	416,608	27,168	
Conn.	4,119,073	2,830,902	2,803,791		27,111	1,288,171	1,246,017	42,154	
Del.	508,159	280,481	190,946	89,535		227,678	214,828	12,850	
D. C.	1,242,898	745,987	529,937	181,473	34,577	496,911	496,911		
Fla.	3,779,567	3,149,259	2,605,257	364,731	179,261	630,308	593,743	36,565	
Ga.	2,659,435	1,793,018	1,262,735	460,860	69,423	866,417	788,417	78,000	
Hawaii	464,560	306,150	118,174	181,869	6,107	158,410	143,410	15,000	
Idaho.	1,822,718	1,564,661	1,125,277	399,643	39,741	258,057	246,383	11,674	
Ill.	20,755,890	17,401,180	17,401,180			3,354,710	3,170,126	184,584	
Ind.	11,748,728	9,952,278	7,224,137	2,407,737	320,404	1,796,450	1,711,509	84,941	
Iowa.	7,696,203	7,015,622	6,806,162		209,460	680,581	610,738	69,843	
Kans.	4,475,168	4,020,989	2,973,666	903,354	143,969	454,179	388,864	65,315	
Ky.	3,335,003	2,512,043	2,512,043			822,960	754,449	68,511	
La.	4,920,322	4,136,635	2,274,017	1,766,276	96,342	783,687	732,781	50,905	
Maine.	2,624,220	2,149,292	1,714,052	260,505	174,735	474,928	455,528	19,400	
Md.	4,415,902	3,528,163	2,036,960	1,396,160	95,043	887,739	847,739	40,000	
Mass.	19,719,671	16,489,381	14,313,614	2,011,081	164,686	3,230,290	3,126,587	103,703	
Mich.	14,007,511	10,933,200	7,876,527	2,932,103	124,570	3,074,311	2,945,222	129,089	
Minn.	11,295,434	10,073,595	8,607,679	1,319,260	146,656	1,221,839	1,159,352	62,487	
Miss.	1,379,214	981,420	950,203		31,217	397,794	349,111	48,683	
Mo.	11,869,101	10,329,884	9,075,672	1,254,212		1,539,217	1,429,217	110,000	
Mont.	2,016,436	1,745,346	1,382,066	339,780	23,500	271,090	256,990	14,100	
Nebr.	4,025,612	3,643,657	2,811,583	757,811	74,263	381,955	344,384	37,571	
Nev.	535,450	372,564	372,564			162,886	152,886	10,000	
N. H.	1,131,329	811,301	653,218	113,470	44,613	320,028	305,028	15,000	
N. J.	8,229,896	5,505,960	3,832,457	1,574,192	99,311	2,723,936	2,617,936	106,000	
N. Mex.	801,059	603,502	348,242	233,262	21,998	197,557	186,453	11,104	
N. Y.	30,805,264	22,670,586	16,378,224	5,873,076	419,286	8,134,578	7,829,762	304,916	
N. C.	4,307,999	3,220,912	2,189,633	833,203	198,076	1,086,987	1,000,725	86,262	
N. Dak.	1,512,112	1,318,739	941,271	359,582	17,886	193,373	176,858	16,515	
Ohio	22,432,810	19,591,972	17,088,925	2,009,652	493,395	2,840,838	2,659,408	181,432	
Okla.	9,955,040	9,267,401	7,842,041	1,218,531	206,829	687,639	628,647	58,990	
Oreg.	3,802,553	3,138,979	2,725,605	342,014	71,360	663,574	638,558	25,016	
Pa.	24,310,413	18,022,949	12,365,323	5,657,626		6,287,464	6,015,567	271,897	
R. I.	1,711,878	1,045,556	816,619	224,467	5,470	665,322	647,291	18,031	
S. C.	2,089,573	1,519,370	1,119,207	339,005	61,158	570,203	528,085	42,118	
S. Dak.	1,816,284	1,666,123	1,640,853		25,270	150,161	133,222	16,939	
Tenn.	4,749,152	3,875,077	2,491,194	1,271,530	112,353	874,075	798,398	75,677	
Tex.	10,153,625	7,904,213	7,904,213			2,249,412	2,061,609	187,803	
Utah.	2,686,299	2,391,894	1,822,942	535,294	33,658	294,405	282,104	12,301	
Vt.	838,167	633,961	525,858	86,782	21,321	204,206	194,206	10,000	
Va.	2,139,120	1,267,053	932,853	249,611	84,589	872,067	811,797	60,270	
Wash.	7,275,311	5,409,212	5,386,761	840,605	181,846	866,099	825,093	41,006	
W. Va.	3,188,687	2,278,308	1,368,432	821,317	88,559	910,379	865,379	45,000	
Wis.	9,928,072	8,870,727	6,769,919	1,801,519	299,289	1,057,345	980,257	77,088	
Wyo.	795,005	622,270	473,783	122,834	25,653	172,735	162,735	10,000	

† These data are not comparable with those in tables 411 and 414, showing the amount of obligations incurred for payments to recipients, which include payments from Federal, State, and local funds and exclude administrative expense.

Source: Federal Security Agency, Social Security Board, Bureau of Accounts and Audits; Annual Report.

# No. 418.—RAILROAD RETIREMENT BENEFIT PAYMENTS CERTIFIED TO THE SECRETARY OF THE TREASURY, BY CLASS OF PAYMENT: 1936 TO 1939

NOTE.—The Railroad Retirement Act, as passed in 1935 and amended in 1937, established Federal retirement system for railroad employees. Employers under the act include carriers—railroads, express companies, and sleeping-car companies; carrier affiliates—refrigerator-car loan companies, for example; organizations such as railroad or traffic associations maintained by 2 or more employers; and standard railway-labor organizations, national in scope. The act provides for 5 classes of retirement benefits:

1. Employee annuities, both disability and old age, based on an employee's years of service and monthly compensation, exclusive of earnings above \$300, with employers under the act.
2. Survivor annuities, paid to the surviving spouse of a deceased employee annuitant or reduced annuity during his or her lifetime in order to provide a lifetime annuity for his or her spouse.
3. Death-benefit annuities, paid under the 1935 act to the surviving spouse or dependent next of kin of a deceased annuitant or of a deceased employee who at the time of his or her death was entitled to receive an annuity. These annuities are equal to half the annuities paid or payable to the employee before their death, and are payable for 12 months.
4. Lump-sum death benefits, paid under the 1937 act to designated beneficiary or to the deceased employee's legal representative. These benefits are equal to a percent of the compensation earned as an employee after Dec. 31, 1936 (excluding compensation in excess of \$300 in month).
5. Pensions paid under the 1937 Act to individuals who were not both March and July 1, 1937, or gratuity rolls of employers under the act and who were not eligible on July 1, 1937, for annuities based in whole or in part on service prior to Jan. 1, 1937. The pensions are equal in amount to the individual pensions or gratuities granted by employers, but cannot exceed \$120 per month.

The funds of the retirement system come from an equal tax on employers and employees, based on the amount of compensation, not in excess of \$300 in any 1 calendar month, earned by each employee. The changes in the tax rate are as follows: Calendar years 1937, 1938, 1939, rate 234 percent; 1940, 1941, rate 3 percent; 1943, 1944, 1945, rate 344 percent; 1946, 1947, 1948, rate percent; 1949 and subsequent years, rate percent. Thus the total amount of the tax available for the first 3 years of the system will be 772 percent total employee compensation (as defined above), and for the year 1949 and thereafter it will be 772 percent.

CALENDAR YEAR OR MONTH	Total payments	Employee annuities	Survivor annuities	Death-benefit annuities	Lump-sum death payments	Pensions
Cumulative through December 1939.	\$250,280,614	\$167,796,344	\$1,623,169	\$1,669,318	\$2,209,611	\$76,982,172
1936.	685,118	672,878	11,492	748		
1937.	40,771,704	221,200,629	155,364	298,156		19,117,555
1938.	98,456,679	66,381,376	614,524	767,552	311,840	30,381,387
1939.	110,367,113	79,541,461	841,789	602,862	1,897,771	27,483,230
January.	3,973,209	6,330,103	59,578	57,248	118,494	2,407,786
February.	9,159,325	5,476,105	62,570	56,012	182,597	2,382,041
March.	5,991,519	6,279,671	71,061	34,090		
April.	9,130,100	6,478,516	53,843	61,862	166,826	2,329,056
May.	9,181,704	5,588,327	68,081	55,010		
June.	9,090,912	6,519,621	80,965	66,895	168,867	2,305,442
July.	9,187,050	6,658,239	69,782	58,005	130,439	2,270,585
August.	9,147,606	6,644,107	72,709	42,996	138,400	2,249,394
September.	9,210,961	6,657,178	72,701	43,779	124,033	2,308,270
October.	9,487,099	6,958,105	71,317			2,222,243
November.	9,344,390	6,897,162	75,417	35,346	195,999	
December.	2,463,238	7,051,237	73,765	37,834	119,300	2,199,306

Total benefit payments on basis of vouchers certified to the Secretary of the Treasury more than total on basis of checks drawn by disbursing officer. Amounts certified to are \$88,561,019 the Treasury, and encumbered on books of the Railroad Retirement Board in latter part of month, but checks are not drawn by disbursing officer until first of following month.

Includes payments, for 3 months before Oct. 1, 1937, of \$1,183,542 to temporary pensioners who were eligible for employee annuities.

Source: Railroad Retirement Board, annual report. Figures are published currently in The Monthly Review.

**No. 419. - RAILROAD RETIREMENT ANNUITIES AND PENSIONS- NUMBER OF CERTIFICATIONS AND TERMINATIONS BY DEATH, AND NUMBER IN FORCE AT END OF PERIOD: 1936 TO 1939**

NOTE.— Figures are based on month in which annuity or pension was first certified or terminated upon notice of death rather than on month in which annuity or pension began to accrue or beneficiary died. Negative figures result from corrections for previously certified claims declared ineligible. See headnote, table 418.

CALENDAR YEAR OR MONTH	CERTIFICATIONS					TERMINATIONS BY DEATH		
	Total	Em- ploye annu- ities	Pen- sions	Surviv- or, an- nuities	Death- benefit annu- ities 1	Total	Em- ploye an- nuities	Pen- sions
Cumulative through Decem- ber 1939.	166,980	112,316	48,517	2,139	4,008	27,797	13,479	10,928
1936.	1,762	1,752	0	5	5	18	18	0
1937.	87,184	37,720	48,276	351	837	3,172	1,043	1,865
1938.	49,797	46,792	212	1,042	1,751	11,680	5,402	4,629
1939.	28,237	26,052	29	741	1,415	12,927	7,016	4,434
January	2,679	2,498		62	112	1,168	645	403
February	2,870	2,716	-7	55	100	1,172	642	423
March.	2,928	2,638	0	101	189	1,241	648	450
April.	2,544	2,327	5	76	136	1,207	651	416
May	2,417	2,210	1	65	141	1,097	578	384
June.	2,211	2,000		73	134	1,048	565	360
July.	2,006	1,827	2	58	119	981	534	317
August	1,992	1,858	5	45	84	1,093	591	376
September	1,971	1,753	4	70	144	786	436	242
October.	2,161	2,061	2	33	65	1,025	576	347
November.	2,313	2,142	-1	58	114	1,080	585	358
December	2,145	2,022	1	45	77	1,029	565	358

**TERMINATIONS BY DEATH-continued**

**IN FORCE AT END OF PERIOD 2**

CALENDAR YEAR OR MONTH	Deaths		Total	Employee annuities	Pensions	Deaths	
	Survivor annuities	benefit annuities 1				Survivor annuities	benefit annuities 1
Cumulative through December 1939.	73	3,317	138,808	98,539	37,514	2,064	691
1936.	0	0	1,742	1,732	0	5	5
1937	3	261	85,644	38,387	46,326	353	578
1938.	22	1,627	123,556	79,550	41,931	1,372	703
1939-	48	1,429	138,808	98,539	37,514	2,064	691
January.	1	119	125,053	81,398	41,527	1,432	696
February	5	102	126,742	83,473	41,092	1,482	695
March.	3	140	128,403	85,431	40,650	1,580	742
April.	5	135	129,747	87,100	40,250	1,652	745
May	5	130	131,033	88,706	39,859	1,712	756
June.	2	121	132,216	90,162	39,500	1,783	771
July.	5	125	133,255	91,471	39,184	1,836	764
August.	6	120	134,119	92,697	38,820	1,875	727
September.		103	135,313	94,031	38,575	1,939	768
October.	5	99	136,388	95,460	38,223	1,970	735
November.	5	132	137,622	97,009	37,872	2,024	717
December	3	103	138,808	98,539	37,514	2,064	691

1 In a few cases payments are made to more than 1 survivor on account of the death of a single individual. Such payments are here counted as single items. Terminations include those by death and by expiration of 12-month period for which death-benefit annuities are payable. Practically all terminations are of the

Int. type, adjustments, by adding the difference between certifications and terminations to number in force at end of preceding period. Adjustments include suspensions, returns to service, commuted lump-sum payments, and reinstatements of suspended payments.

Source: Railroad Retirement Board, annual report. Figures are published currently in The Monthly Review.



No. 420. RAILROAD RETIREMENT- EMPLOYEE ANNUITIES, BY CLASS OF EMPLOYER AND OCCUPATIONAL GROUP, AND BY TYPE OF ANNUITY, CERTIFIED THROUGH JUNE 1939

NOTE.—See headnote, table 418

CLASS OF EMPLOYER AND OCCUPATIONAL GROUP <sup>1</sup>	TOTAL ANNUITIES		TOTAL EMPLOYEES WITH CREDITED WAGES 1938		AGE ANNUITIES	
	Number	Percent	Number	Percent	65 and over	
					Number	Percent
Total.	100,653	100.0	1,537,904	100.0	79,712	100.0
Class I railroads, total.	91,875	91.3	1,325,973	86.2	72,573	91.2
Executive, professional and supervisory-	8,280	8.2	77,200	5.0	6,463	8.1
Foremen.	6,292	6.3	44,736	2.9	5,000	6.3
Clerical.	4,885	4.9	118,400	7.7	3,723	4.7
Maintenance of way and structures, skilled.	2,582	2.6	29,465	1.9	2,092	2.6
Track labor.	7,310	7.3	275,445	17.9	6,036	7.6
Maintenance equipment, skilled.	15,654	15.5	137,910	9.0	12,381	15.6
Maintenance of equipment, unskilled.	5,313	5.3	72,465	4.7	4,535	5.7
Helpers and apprentices.	5,402	5.4	95,807	6.2	4,496	5.6
Station agents and telegraphers.	2,329	2.3	49,238	3.2	1,686	2.1
Station and platform laborers	3,016	3.0	68,091	4.4	2,599	3.3
Train and engine service, engineers and conductors.	15,181	15.0	84,365	5.5	11,371	14.3
Train and engine service, firemen, brakemen, switchmen, and hostlers.	7,878	7.8	169,966	11.1	5,431	6.8
Other occupations.	7,661	7.6	88,079	5.7	6,684	8.4
Unknown occupations.	92	.1	14,806	1.0	76	.1
Class II and III railroads.	1,594	1.6	25,895	1.7	1,225	1.5
Class switching and terminal companies-	2,300	2.3	37,457	2.4	1,917	2.4
Other switching and terminal companies.	833	.8	22,249	1.4	714	.9
Electric railroads.	765	.8	15,188	1.0	644	.8
Express companies.	1,646	1.6	61,573	4.0	1,341	1.7
Pullman Company.	802	.8	25,955	1.7	631	.8
Car-loan companies.	181	.2	12,096	.8	156	.2
Railroads in Alaska and Hawaii.	43	(2)	1,720	.1	39	(2)
Railway associations	215	.2			188	.2
National labor organizations.	181		9,798	.6	113	.1
Employee representatives.						
Miscellaneous employers.	218	.2			171	.2

## AGE ANNUITIES-COD.

## DISABILITY ANNUITIES

CLASS OF EMPLOYER AND OCCUPATIONAL GROUP <sup>1</sup>	Under 65		30 years of service		Less than 30 years of service	
	Number	Percent	Number	Percent	Number	Percent
Total.	3,810	100.0	12,974	100.0	4,157	100.0
Class I railroads, total.	3,439	90.2	12,100	33.2	3,763	90.5
Executive, professional and supervisory.	419	11.0	1,321	10.2	77	1.9
Foremen.	319	8.4	841	6.5	132	3.2
Clerical.	262	6.9	737	5.7	163	3.9
Maintenance of way and structures, skilled.	88	2.3	250	1.9	152	3.7
Track labor.	159	4.2	528	4.1	587	14.1
Maintenance equipment, skilled.	721	18.8	1,722	13.3	830	19.9
Maintenance of equipment, unskilled.	112	2.9	316	2.4	350	8.4
Helpers and apprentices.	152	4.0	391	3.0	363	8.7
Station agents and telegraphers.	127	3.3	473	3.6	43	1.0
Station and platform laborers.	63	1.7	189	1.5	165	4.0
Train and engine service, engineers and conductors.	485	12.7	3,119	23.9	206	5.0
Train and engine service, firemen, brakemen, switchmen, and hostlers.	358	9.4	1,726	13.3	363	8.7
Other occupations.	170	4.5	475	3.7	332	8.6
Unknown occupations.	4	.1	12	.1		
Class II and III railroads.	96	2.5	216	1.7	57	1.4
Class switching and terminal companies.	70	1.8	208	1.6	105	2.5
Other switching and terminal companies.	27	.7	60	.5	32	.8
Electric railroads.	38	1.0	42	.3	41	1.0
Express companies.	65	1.7	166	1.3	74	1.8
Pullman Company.	20	.5	91	.7	60	1.4
Car-loan companies.	6	.2	7	.1	12	.3
Railroads in Alaska and Hawaii.		.1	2	(2)		
Railway associations.	3	.2	13	.1	6	.1
National labor organizations.	10	.3	54	.4	4	.1
Employee representatives.						
Miscellaneous employers.	29	.8	15	.1	3	.1

<sup>1</sup>The last railroad occupation has been used in each case.

<sup>2</sup>Less than 0.1 percent.

Source: Railroad Retirement Board, annual report. Figures are published currently in The Monthly Review.

# NO. 421. RAILROAD RETIREMENT- ANNUITIES AND PENSIONS IN FORCE JUNE 30, 1939, AND LUMP-SUM DEATH BENEFITS CERTIFIED THROUGH JUNE 30, 1939, BY STATES

NOTE.—Data are subject to revision upon verification of additional service and compensation. See head-note, table 418

STATE	TOTAL		EMPLOYEE ANNUITIES		PENSIONS		SURVIVOR AND DEATH BENEFIT ANNUITIES		LUMP-SUM DEATH BENEFITS	
	Number	Monthly amount	Number	Monthly amount	Number	Monthly amount	Number	Monthly amount	Number	Total amount
Total.	132,239	\$8,290,476	90,185	\$5,896,101	39,500	\$2,305,771	22,554	\$2,888,604	16,025	\$1,357,751
Alabama.	1,550	88,288	1,288	77,535	217	9,363	45	1,390	244	19,977
Arizona.	333	22,192	230	17,053	100	5,016	3	123	54	4,284
Arkansas.	1,137	68,820	860	55,508	244	12,201	33	1,111	165	14,268
California.	6,855	142,215	3,901	273,252	2,845	165,030	109	3,933	743	65,686
Colorado.	1,622	104,240	1,058	72,745	539	30,602	25	893	191	17,204
Connecticut.	969	61,277	587	38,656	358	21,838	24	783	129	12,432
Delaware.	622	43,522	332	24,135	288	19,328		59	56	3,581
Dist. of Col.	421	28,462	284	20,130	129	7,960	3	372	87	7,512
Florida.	1,549	108,032	943	68,660	584	38,453	22	919	187	14,311
Georgia.	1,608	99,363	1,260	81,654	299	16,122	49	1,587	398	31,410
Idaho.	331	21,496	221	14,290	104	6,986	6	220	36	2,892
Illinois.	9,698	597,821	6,877	443,819	2,583	145,484	238	8,518	1,389	123,384
Indiana.	5,444	336,030	3,848	244,523	1,480	87,430	116	4,077	589	47,455
IOWE.	3,784	235,919	2,800	179,870	899	53,123	85	2,926	318	26,338
Kansas.	2,965	175,534	2,026	129,074	879	44,424	60	2,036	298	26,707
Kentucky.	2,651	147,511	2,024	116,548	567	29,178	60	1,785	354	29,380
Louisiana.	1,051	61,425	753	45,111	275	14,489	23	825	175	13,456
Maine.	977	52,774	659	39,521	286	12,184	32	1,069	85	8,045
Maryland.	2,639	169,086	1,629	109,804	978	58,321	32	961	320	25,553
Massachusetts.	3,104	192,111	2,117	138,121	921	51,626	66	2,364	364	32,212
Michigan.	3,464	216,064	2,328	150,950	1,058	62,287	78	2,827	426	37,151
Minnesota.	4,002	241,137	2,699	168,465	1,226	69,875	77	32,797	356	34,260
Mississippi.	1,041	57,373	730E	43,542	295	13,305	161	526	133	9,920
Missouri.	4,451	274,612	3,175	205,148	1,183	66,124	93	3,340	514	44,973
Montana.	728	45,878	584	36,856	131	8,568	13	454	85	8,083
Nebraska.	1,554	97,525	892	58,910	631	37,499	31	1,116	163	15,475
Nevada.	137	8,452	103	6,752	30	1,552		148	191	1,549
New Hampshire.	703	41,753	536	34,233	146	6,825	2	695	38	3,192
New Jersey.	4,789	321,049	3,102	213,575	1,620	104,909	67	2,565	604	52,934
Now Mexico.	416	21,653	257	15,466	152	5,932	7	255	40	2,629
New York.	10,262	643,811	6,809	446,866	3,251	190,293	202	6,652	1,436	122,675
North Carolina.	1,125	69,069	906	58,423	168	8,845	51	1,801	215	17,696
North Dakota.	435	24,675	305	17,946	121	6,515	9	3214	62	6,382
Ohio.	8,962	574,184	6,059	402,656	2,765	166,789	138	4,739	1,023	86,254
Oklahoma.	894	53,386	6861	44,241	1901	8,560	18	585	121	10,049
Oregon.	1,118	69,750	715	48,019	386	21,228	17	503	106	9,332
Pennsylvania.	19,214	1,287,616	12,390	854,306	6,577	424,306	247	9,004	1,729	139,318
Rhode Island.	398	24,132	228	14,412	154	9,079	16	641	38	2,945
South Carolina.	633	36,891	549	32,797	62	3,359	22	735	103	7,788
South Dakota.	372	20,998	297	17,359	67	3,380	8	259	43	3,359
Tennessee.	2,386	136,445	1,906	115,604	399	18,221	81	2,620	3195	24,872
Texas.	3,508	225,080	2,411	165,595	1,041	57,483	56	2,002	706	61,685
Utah.	543	34,984	369	25,027	163	9,471	111	486	93	8,307
Vermont.	470	28,235	355	22,686	104	5,203	111	3461	55	3,908
Virginia.	2,955	177,985	2,068	129,003	837	47,134	50	1,848	525	43,892
Washington.	2,071	128,083	1,561	100,330	471	26,480	39	1,273	191	17,344
West Virginia.	2,044	117,838	1,412	85,337	607	31,816	25	685	263	18,574
Wisconsin.	3,233	192,200	2,435	149,221	707	40,011	9LE	2,968	318	26,982
Wyoming.	239	16,279	151	10,754	84	5,361	4	164	37	4,525
Outside continental United States.	782	47,221	470	30,613	299	16,203	13	405	82	5,611

1 For annuities and pensions in force, residence at time first check was mailed. For lump-sum death benefits, residence at time check was mailed; arbitrarily chosen if divided between 2 or more beneficiaries residing in different States. This was necessary in less than one-half of 1 percent of payments.

2 Figures do not represent the number of individuals receiving these annuities. In some cases, death benefit annuity payments were being made to more than 1 individual and in 157 cases the same individual was receiving both a survivor annuity and a death benefit annuity.

3 1 death benefit annuity at \$16.30 payable to 4 beneficiaries was assigned to North Dakota although 1 of the beneficiaries receiving \$4.08 resided in Minnesota.

Source: Railroad Retirement Board, annual report. Figures are published currently in The Monthly Review

No. 422. RAILROAD UNEMPLOYMENT INSURANCE NUMBER OF APPLICATIONS FOR CERTIFICATES OF BENEFIT RIGHTS RECEIVED, CERTIFICATES OF BENEFIT RIGHTS ISSUED, CLAIMS RECEIVED, CERTIFICATES OF WAITING-PERIOD CREDIT ISSUED, NUMBER AND AMOUNT OF BENEFIT PAYMENTS CERTIFIED, AVERAGE BENEFIT PAYMENT, AND NUMBER OF ACCOUNTS OPENED AND EXHAUSTED: JULY 1939 THROUGH MAY 1940

NOTE-The Railroad Unemployment Insurance Act, as passed in 1938 and amended in 1939, established a Federal unemployment insurance system for the same employees who are covered by the Railroad Retirement Act. (See headnote, table 418.) Under the Railroad Unemployment Insurance Act contributions first began to accrue and benefits first became payable as of July 1, 1939. Contributions amounting to 3 percent of pay rolls are collected from the employers. Ninety percent of the contributions are used to pay benefits and 10 percent to pay administrative expenses. Unemployed employees may draw benefits if they earned at least \$150 of creditable earnings in the base year and have served a waiting period of 7 consecutive days of unemployment in a period of 15 consecutive days. After the waiting period has been served, benefits are paid each day of unemployment in excess of 7 in a period of 15 consecutive days up to a maximum of 80 days. Benefits in the period of 1 year. The daily benefit amount is related to the amount of base-year earnings.

PERIOD	Applica- tions for certifi- cates of benefit rights received	Certi- ficates of benefit rights issued	Claims received	Certi- ficates of waiting- period credit issued	BENEFIT PAYMENTS CERTIFIED		Aver- age per certifi- cate	Num- ber of ac- counts opened	Number of ex- hausted
					Number	Amount			
Cumulative through May 31, 1940.	208,564	201,975	1,357,586	186,425	938,829	\$13,953,152	814.86	156,089	25,243
1939									
Period ended Aug. 4, 1939.	83,169	78,467	129,859	51,887	26,173	385,712	14.74		
Aug. 5-Sept. 1.	15,444	16,720	105,502	21,537	63,696	953,890	14.98		
Sept. 2-Sept. 29.	9,828	9,862	111,843	14,938	86,946	1,269,397	14.60		
Sept. 30-Oct. 27.	8,892	9,065	84,892	8,243	62,630	933,207	14.90		
Oct. 28-Dec. 1.	21,265	20,052	102,059	13,795	70,875	1,087,329	15.34	881,905	610
Dec. 2-Dec. 29.	21,136	20,189	113,786	19,857	75,130	1,137,973	15.15	14,865	2,756
1940									
Dec. 30-Feb. 2, 1940.	18,899	18,355	181,785	22,580	134,015	2,016,070	15.04	24,054	4,253
Feb. 3-Mar. 1.	9,117	8,791	137,954	9,660	111,800	1,690,423	15.12	12,492	3,074
Mar. 2-Mar. 29.	6,410	6,429	140,326	8,519	115,333	1,714,152	14.86	9,069	3,641
Mar. 30-Apr. 28.	8,167	8,131	125,366	6,612	100,687	1,471,226	14.61	5,808	5,053
Apr. 27-May 31.	6,237	5,914	124,214	8,797	91,544	1,293,767	14.13	7,896	5,856

1. An application for a certificate of benefit rights is submitted the first time an unemployed worker applies for unemployment insurance benefits, or the first time after the expiration of a benefit year.

2. A certificate of benefit rights is issued to each employee who has filed an application for a certificate of benefit rights and is eligible for unemployment insurance benefits.

3. A claim is prepared for each period of 15 consecutive days beginning with the first day of unemployment. It contains registrations for each day of unemployment in the 15-day period and is submitted at the end of the period.

4. A certificate of waiting-period credit is issued to an unemployed worker who has filed his first claim for a 15-day period with registrations for 8 or more days of unemployment.

5. A benefit payment is certified after the waiting period has been served for each period of 15 consecutive days with 8 or more days of unemployment. The amount of the certification is the product of the daily benefit amount and the number of days of unemployment in excess of 7 in the 15-day period.

6. An account is opened with the first benefit payment.

7. An account is exhausted when an employee has been certified for the maximum number of days of benefit in which he is entitled in a benefit year.

8. Cumulative through Dec. 31.

Source: Railroad Retirement Board, annual report. Figures are published currently in The Monthly Review.

# 16. POSTAL SERVICE

[Postal statistics, unless otherwise noted, include data for outlying Territories and possessions except Philippine Islands and Canal Zone]

## No. 423.- UNITED STATES POSTAL SERVICE SUMMARY: 1800 TO 1939

YEAR ENDED JUNE 30-	Num- ber of post offices	Mileage of post routes <sup>1</sup>	FINANCES			Revenue per capita, dollars	MONEY ORDERS		Num- ber of ordi- nary postage stamps issued, millions	Num- ber of pieces of mail hand- led, mil- lions <sup>2</sup>
			(THOUSANDS OF DOLLARS)	Gross revenue	Gross expend- iture	Sur- plus (or defi- cit) (2)	(THOUSANDS OF DOLLARS)	Inter- national <sup>3</sup>		
1800.	903	20,817	281	214	+67					
1810.	2,300	36,406	552	496	+56.					
1820.	4,500	72,492	1,112	1,161	-49.					
1830.	8,450	115,176	1,851	1,933	82.					
1840.	13,468	155,739	4,544	4,718	-175	0.27				
1850.	18,417	178,672	5,500	5,213	+287	.20			52	
1860.	28,498	240,594	8,518	19,171	10,6531	.27			216	
1865.	20,550	142,340	14,556	13,695	-917	.42	61,360		387	
1870.	28,492	231,232	18,880	23,999	-5,098	.49	34,054	722	468	
1875.	35,547	277,873	26,791	33,611	-6,820	.61	77,431	1,965	682	
1880.	42,989	343,888	33,315	36,543	3,222	.66	100,353	3,464	876	
1885.	51,252	365,251	42,561	50,046	-7,481	.76	117,859	6,840	1,465	
1896.	62,401	427,990	60,882	66,260	-5,401	.97	114,363	13,230	2,220	4,005
1895.	70,064	456,026	76,983	87,180	10,230	1.12	156,709	12,906	2,795	5,134
1900.	76,688	500,989	102,355	107,740	-5,410	1.34	238,921	16,749	3,999	7,130
1903.	74,169	506,268	134,224	138,784	-4,587	1.66	353,628	35,238	5,271	8,887
1904.	71,131	496,818	143,583	152,362	-8,813	1.74	378,778	42,550	5,331	9,502
1905.	58,131	486,805	152,827	167,399	14,594	1.81	396,903	47,516	5,751	10,188
1906.	65,600	478,711	167,933	178,450	10,543	1.96	144,516	63,048	6,284	11,361
1907.	62,658	163,406	183,585	190,238	-6,692	2.11	479,650	84,081	7,061	12,256
1908.	60,704	450,738	191,479	208,352	-16,910	2.15	498,700	88,972	7,651	13,364
1909.	60,144	148,618	203,562	221,004	-17,480	2.24	491,075	76,755	8,732	14,005
1910.	59,580	447,998	224,129	229,977	5,881	2.43	547,994	99,743	9,067	14,850
1911.	59,237	435,488	237,880	237,649	-219	2.53	578,111	109,605	10,046	16,901
1912.	58,729	436,469	246,744	248,525	-1,786	2.58	585,337	97,660	9,929	17,589
1913.	58,020	436,293	266,620	262,068	+4,511	2.74	624,489	102,668	10,813	18,567
1914.	56,810	435,597	287,935	283,544	+4,376	2.91	667,231	101,963	11,112	
1915.	56,380	433,334	287,248	298,546	11,333	2.85	656,139	60,772	11,226	
1916.	55,935	425,950	312,058	306,204	+5,829	3.05	719,365	46,357	11,672	
1917.	55,414	454,835	329,726	319,839	+9,836	3.18	813,319	41,645	12,452	
1918 <sup>3</sup>	54,347	465,371	388,976	324,834	+64,127	3.70	904,650	35,865	13,066	
1919 <sup>4</sup>	53,084	455,498	436,239	362,498	+73,735	4.11	1,109,613	39,766	15,020	
1920.	52,641	435,342	437,150	454,323	-17,270	4.10	1,332,700	32,960	13,213	
1921	52,168	434,349	463,491	320,994	-157,518	4.28	1,305,370	24,399	13,870	
1922.	51,950	454,901	484,854	545,644	-60,815	4.41	1,205,327	20,651	14,262	
1923.	51,613	460,171	532,828	556,851	-24,065	4.78	1,376,461	34,119	15,478	23,055
1924.	51,266	467,896	572,949	587,377	14,464	5.08	1,510,705	50,615	15,954	24,358
1925.	50,957	464,269	599,591	639,282	-39,745	5.28	1,532,567	52,650	17,387	25,835
1926.	50,601	470,779	659,820	579,704	19,972	5.63	1,590,486	63,172	16,333	25,484
1927.	50,266	478,662	683,122	714,577	-31,506	5.76	1,547,580	68,952	16,000	26,687
1928.	49,944	487,512	693,634	725,700	-32,121	5.78	1,630,157	71,520	16,676	26,837
1929.	49,482	491,179	696,948	782,344	85,461	5.73	1,658,443	76,113	16,917	27,952
1930-	19,063	503,918	705,484	803,667	98,216	5.75	1,714,576	72,708	16,269	27,888
1931.	48,733	528,570	656,463	802,485	-146,066	5.29	1,559,549	62,228	15,559	26,544
1932.	48,159	537,544	588,172	793,684	-205,551	4.71	1,536,889	48,849	14,651	24,307
1933	47,641	536,679	588,631	599,887	-112,375	4.67	1,647,421	35,116	11,917	19,868
1934.	16,506	536,751	586,733	630,733	44,034	4.64	1,776,740	30,041	12,526	20,626
1935.	45,686	514,128	630,795	696,503	-65,808	4.94	1,820,957	30,429	13,610	22,332
1936.	45,230	517,864	665,343	753,616	88,316	5.18	1,918,293	31,449	13,835	23,571
1937.	44,877	519,328	726,201	772,743	46,615	5.62	2,107,002	33,979	15,109	25,801
1938.	44,667	519,490	728,634	772,308	-43,812	5.58	2,146,753	33,516	14,912	26,042
1939.	44,400	553,681	745,955	784,550	-38,692	5.69	2,047,930	29,949	15,074	26,445

Excluding rural free delivery routes, ocean mail routes, and airmail routes to foreign countries.

<sup>1</sup> : Attended postal surplus or deficit which is greater or less than excess of receipts or expenditures by the amount of adjusted losses and contingencies.

International includes foreign countries on domestic basis. For explanation, see headnote, table 425.

<sup>2</sup> : Data are for continental United States and are estimates except in 1923 and beginning with 1926, when figures are accurate calculations. No estimates made from 1914 to 1922, inclusive.

Postage stamps first issued under act of Mar. 3, 1847, and placed on sale at New York July 1, 1847. -

From Nov. 1864, when money-order system first went into operation, to June 30, 1865.

<sup>3</sup> : From Sept. 1, 1869, to June 30, 1870.

<sup>4</sup> : International money orders first issued under convention of Oct. 12, 1867.

<sup>5</sup> : Gross revenues of department for 1918 and 1919 include \$44,500,000 and \$11,292,000, respectively, war-tax revenue accruing from increased postage.

Source: Post Office Department, Annual Report of the Postmaster General.

## No. 424.-- POSTAL SERVICE REVENUES, BY SOURCE: YEARS ENDED JUNE 30, 1910 TO 1939

[All figures in thousands of dollars]

ITEM	1910	1915	1920	1925	1930	1935	1938	1939
Total.	224,129	287,248	437,150	599,591	705,484	630,795	728,634	745,955
Ordinary postal revenue.	219,339	279,460	424,406	585,333	686,426	598,358	694,193	709,461
Stamps, postal cards, etc.-	202,065	256,037	379,587	507,572	574,851	473,407	515,118	514,869
Second-class postage paid in money (pound rates)1	8,174	10,468	25,100	29,619	28,584	18,431	22,437	21,831
Other postage paid in money under permit	4,418	7,527	12,960	39,301	73,545	96,206	146,075	161,955
Box rents.	4,139	4,981	6,145	7,817	8,539	6,596	7,459	7,686
Miscellaneous.	542	448	614	1,024	907	3,718	3,105	3,121
Money-order revenues.	4,790	7,175	10,314	12,909	17,496	20,424	23,308	23,460
Revenue from postal savings.		612	2,430	1,349	1,562	12,013	11,133	13,034

1 For volume of this item, See table 429.

## No. 425. - POSTAL MONEY-ORDER BUSINESS SUMMARY: YEARS ENDED JUNE 30, 1910 TO 1939

NOTE. For revenues from money orders, see table 424. For value of orders issued for other years, see table 423. Money orders are exchanged on a domestic basis not only within this country, but with its outlying possessions, Canada, Cuba, and numerous islands and minor countries neighboring the United States. International-basis orders are exchanged between the United States and its outlying possessions, on the one hand, and other than "domestic basis" foreign countries, on the other. In this table, however, "International" includes money orders exchanged between the United States and "domestic basis" foreign countries, and these are not included in "Domestic".

ITEM	1910	1915	1920	1925	1930	1935	1938	1939
Number of money-order offices.	51,791	55,670	54,395	54,269	54,161	53,106	51,119	50,956
DOMESTIC								
Orders issued:								
Number (1,000)	76,918	105,073	148,491	197,054	202,273	212,737	247,799	250,082
Amount (1,000 dollars)-	547,994	656,139	1,332,700	1,532,567	1,714,576	1,820,957	2,146,753	2,047,930
Orders paid:								
Number (1,000)	76,496	103,884	147,520	196,038	201,453	212,651	248,333	249,301
Amount (1,000 dollars)-	545,632	652,786	1,333,046	1,531,597	1,713,681	1,821,152	2,150,728	2,047,163
Excess of issues: 2								
Number (1,000)	422	1,190	971	1,015	820	85	-534	781
Amount (1,000 dollars)-	2,362	3,353	-346	970	895	-194	-3,975	762
INTERNATIONAL 3								
Orders issued:								
Number (1,000)	4,500	3,055	1,852	2,966	3,978	2,456	2,656	2,516
Amount (1,000 dollars)-	99,743	60,772	32,960	52,650	72,708	30,429	33,516	29,949
Orders paid:								
Number (1,000)	1,956	2,217	1,508	1,765	2,161	1,283	1,719	1,710
Amount (1,000 dollars)-	27,244	24,743	25,362	19,765	25,825	13,641	16,215	15,994
Excess of issues:								
Number (1,000)	2,544	837	343	1,201	1,817	1,167	937	807
Amount (1,000 dollars)-	72,499	36,029	7,598	32,886	46,883	16,788	17,301	13,955
FOREIGN "DOMESTIC BASIS" 5								
Paid in foreign countries:								
Number (1,000)	667	655	601	938	1,034	614	731	712
Amount (1,000 dollars)-	10,184	9,110	9,568	16,920	20,921	8,180	11,047	10,235
Paid in the United States:								
Number (1,000)	1,566	1,936	1,246	1,498	1,751	939	1,357	1,363
Amount (1,000 dollars)-	17,766	18,386	17,916	15,118	17,935	8,342	12,527	12,372

Domestic money orders first issued Nov. 1, 1864, under act of Congress approved May 17 1864.

Minus sign indicates excess of payments.

Includes foreign countries on "domestic basis."

International money orders first issued Sept. 1, 1869, under Postal Convention of Oct. 12, 1867.

3 Included under "International" above.

Source of tables 424 and 425: Post Office Department, Annual Report of the Postmaster General,

No. 426.- POSTAL SERVICE EXPENDITURES, BY OBJECT: YEARS ENDED JUNE 30, 1910 TO 1939

NOTE. All figures in thousands of dollars. For total expenditures, see table Data cover expenditures during the specified fiscal year, whether on account of that year or of previous years

ITEM	1910	1915	1920	1925	1930	1935	1938	1939
Service in post offices (total).	107,771	139,937	234,102	338,046	429,571	378,407	456,563	470,948
Salaries postmasters.	27,514	30,400	40,108	47,562	52,850	44,588	48,722	49,403
Salaries of clerks, etc.	38,045	53,317	102,319	153,336	201,972	173,510	211,518	216,442
City delivery service.	31,805	42,668	63,626	95,161	127,890	113,153	138,101	141,089
All other expenditures.	10,405	13,552	28,049	41,987	46,860	47,156	58,222	64,014
Railway Mail Service.	19,389	28,108	38,711	52,906	61,888	52,251	59,082	59,132
Rural Delivery Service.	37,074	49,806	75,794	93,163	106,347	90,519	91,187	91,181
Transportation of domestic mail.	61,940	76,914	99,520	142,141	176,984	134,676	148,531	150,340
By railroads.	49,405	59,576	70,714	99,720	117,265	93,328	99,643	98,604
By other means.	12,535	17,338	28,805	42,421	59,720	41,348	48,888	51,735
Transportation foreign mail	3,204	3,273	5,912	9,175	24,449	36,806	12,750	12,787
Payment account of invalid money orders.	600	208	284	138	131	232	193	162
Post Office Department 1				3,712	4,298	3,612	4,000	3,891

1 Paid out of the General Treasury prior to 1923.

No. 427. TRANSPORTATION OF DOMESTIC MAELS, BY CLASS OF SERVICE: 1915 TO 1939

NOTE. - Amounts, except as indicated, in thousands of dollars. Since Nov. 1, 1916, all service on steam railroads authorized and paid for under the space basis system; formerly, payments were based on a system of quadrennial weighings. Railway mail space units of service vary in size and character and may consist of car, a section of a car, or a closed pouch carried on a car. Some cars are railway post offices, others are for storage only, about 20 classes of units being distinguished. The "Lequated unit" represents a calculation of the equivalent of all the different units in terms of a 60-foot car. Annual rate of expenditure (regular authorizations) represents estimated cost transporting normal mail traffic over regular routes only, based on contracts outstanding at the end of each fiscal year. 1 Annual cost "Includes emergency and side and transfer service. Average rates are based on "regular authorizations"

CLASS OF SERVICE AND ITEM	YEAR ENDED JUNE 30, OR AS OF JUNE 30 OF YEAR SPECIFIED						
	1915	1920	1925	1930	1935	1938	1939
Steam railway service:							
Length of routes (miles).	233,676	232,358	230,470	220,416	199,016	187,866	183,478
Annual travel (thousand miles)-							
Regular space units.	499,011	561,827	579,256	564,801	455,214	451,575	455,955
Prorated to 60-foot car basis.		218,349	226,395	228,478	192,130	198,206	203,834
Annual expenditure 2:							
Regular authorizations.	58,149	83,731	88,991	103,970	86,806	88,762	90,796
Annual cost.		89,661	107,491	125,243	99,676	105,065	106,276
Average rate of cost-							
Per mile of length (dollars)	248.84	360.35	386.12	471.70	436.17	472.48	494.86
Per unit mile traveled (cents)	111.65	14.90	15.36	18.41	19.06	19.56	19.91
Per 60-foot car mile cents)		38.34	39.31	45.70	45.40	44.78	44.54
Electric railway service:							
Number of routes.	569	543	288	224	135	103	95
Length of routes (miles)	8,183	8,043	8,042	7,012	4,459	3,560	2,967
Annual travel of space units (thousand miles).	113,948	111,752	10,487	9,829	6,047	4,722	4,112
Annual rate of expenditure.	819	471	566	571	349	298	247
Average cost per unit mile traveled (cents)	15.87	14.01	5.39	5.81	5.77	6.30	6.01
Power boat service:							
Number of routes.	260	266	284	265	196	183	173
Length of routes (miles)	32,402	34,642	49,791	40,130	21,043	20,606	19,440
Annual travel thousand miles).	5,685	3,992	5,298	4,806	2,860	2,464	2,435
Annual rate of expenditure.	990	1,773	1,492	1,401	1,085	896	917
Average cost per mile traveled (cents)	17.42	19.36	28.16	29.15	37.95	36.38	37.65
Air mail service:							
Length of routes (miles).	4218	3,094	2,665	14,907	28,884	33,655	37,080
Mileage scheduled (thousands)	18	654	2,160	16,228	33,770	48,735	54,295
Mile traveled with mail (thousands).	16	549	2,077	14,939	31,148	46,166	52,194
Mail carried (million pound-mies).	(5)	( )	(5)	(5)	6,790	14,137	15,819
Cost of service.	14	1,264	2,744	14,618	8,814	14,666	816,625

travel in thousands of miles and average cost per mile traveled. Space basis was not in force.

For expenditures for Railway Mail Service, see table 426.

Exclusive of freight and express service to Alaska or New York Harbor service.

1918 data.

Not computed by Post Office Department until January 1931.

Subject to revision.

Source of tables 426 and 427: Post Office Department, Annual Report of the Postmaster General.

# **No. 428. DELIVERY SERVICE- CITY AND RURAL FREE DELIVERY AND STAR-ROUTE SERVICE: 1870 TO 1939**

NOTE.- Freecity delivery was inaugurated in 1863; rural free delivery in 1897. Star routes are mail between towns which are let on a contract basis. Star route service in Alaska is not included routes accompanying table, data for 1939 being as follows: Number of routes, 68; length, 11,134 miles; annual travel, 300,403 miles; annual rate of expenditure, \$126,007

AS OF JUNE 30-	CITY FREE DELIVERY			RURAL FREE DELIVERY			STAR ROUTES	
	Number of offices	Number of carriers	Annual cost (1,000 dollars)	Number of routes	Length of routes (miles)	Annual travel (1,000 miles)	Annual cost (1,000 dollars)	Number of routes (regular service)
1876.	51	1,362	1,231					7,295
1880.	104	2,628	12,364					8,863
1890.	454	9,066	17,978					15,887
1895.	604	12,714	12,145					20,733
1900	796	15,322	14,671	1,259	28,685		420	22,834
1905	1,144	21,778	20,923	32,110	721,237		20,865	17,199
1910.	1,492	28,715	31,738	41,079	993,068	303,007	36,915	13,425
1915.	1,808	32,902	30,829	43,866	1,067,674	325,305	52,566	11,557
1920.	2,086	36,142	52,841	43,445	1,151,832	348,627	75,562	10,739
1923.	2,277	40,134	77,945	44,439	1,190,534	360,256	86,172	10,802
1924.	2,325	43,829	82,904	44,750	1,205,714	363,670	86,765	10,802
1925	2,401	16,251	93,567	45,189	1,227,654	370,273	102,945	10,906
1926.	2,522	48,238	105,370	45,315	1,249,978	377,046	104,117	10,991
1927.	2,812	50,117	113,301	4,730	1,270,746	383,851	104,447	11,215
1928.	2,899	51,293	117,490	44,288	1,289,613	390,054	105,008	11,472
1929.	2,970	52,719	122,515	43,840	1,316,420	398,444	106,202	11,695
1930-	3,050	58,762	126,426	43,278	1,334,842	404,738	106,378	11,788
1931.	3,098	53,387	126,179	42,412	1,354,759	412,382	106,502	12,089
1932	3,111	52,767	125,700	41,602	1,358,030	412,084	105,824	12,443
1933.	3,111	51,229	107,410	40,013	1,365,712	414,417	103,693	12,596
1934.	3,111	48,275	96,947	37,108	1,359,895	412,721	92,255	12,237
1935.	3,111	49,084	111,648	34,848	1,355,078	411,361	92,061	11,853
1936	3,134	53,852	126,371	34,118	1,368,083	415,433	92,138	11,663
1937.	3,173	54,944	133,908	33,601	1,377,088	418,248	91,680	11,572
1938.	3,215	55,713	136,505	33,144	1,387,445	420,107	91,093	11,393
1939	3,236	56,617	139,493	32,839	1,392,657	421,854	91,188	11,462

1 Data represent audited expenditures; in 1880 and 1890 they include some incidental expense.

## **No. 429.-- POSTAL SERVICE OPERATION- SUMMARY FOR PRINCIPAL ITEMS: YEARS ENDED JUNE 30, 1915 TO 1939**

NOTE.- For sales of postage stamps and other stamped paper and postage collected on second-class matter, see table 424

	1915	1920	1925	1930	1935	1938	1939
Transactions in stamped paper:							
Ordinary postage stamps issued (millions)	11,226	13,213	17,387	16,269	13,610	14,912	15,074
Stamped envelopes and wrappers issued (millions)	1,794	2,350	2,997	3,164	1,618	1,644	1,605
Postal cards issued (millions).	976	986	1,407	1,643	1,754	2,187	2,171
Pieces of mail carried (millions).			25,835	27,888	22,332	26,042	26,445
Second-class matter carried:							
Free in county (1,000 pounds)	62,142.	61,528	69,195	75,326	57,560	63,715	60,902
Paid at pound rates (1,000 pounds)	1,047,144	1,307,227	1,348,297	1,554,415	1,063,389	1,265,235	1,230,328
Foreign mails dispatched by sea:							
Letters, post card (1,000 pounds)-	3,401	4,608	5,640	7,103	4,602	5,337	5,164
Other articles (1,000 pounds).	22,848	56,725	66,229	83,377	53,056	63,855	65,229
Mail registered:							
Domestic, paid (1,000 pieces).	27,688	56,951	70,512	76,489	41,318	42,129	40,664
international, paid (1,000 pieces).	4,325	11,300	10,993	7,869	3,444	3,386	3,331
Official, free (1,000 pieces)	5,297	8,663	8,414	8,680	10,582	11,039	11,586
Registry fees (1,000 dollars).	3,201	6,325	8,850	12,807	7,100	27,198	26,947
Mail insured:							
Domestic, parcel post (1,000 pieces)	18,012	95,385	152,078	126,421	71,960	82,026	83,574
International (1,000 pieces)			603	649	311	310	318
Total fees paid (1,000 dollars).	941	5,416	8,061	8,775	5,249	5,911	5,949
Mail sent C. O. D.:							
Total pieces sent (1,000).	4,721	20,098	52,362	46,249	31,118	33,052	34,073
Total fees (1,000 dollars).	472	2,070	5,562	5,825	4,298	4,564	4,677

See note 4, table 423.

: Not including surcharges (effective July 1, 1932) amounting to \$3,815,000 in 1935, \$2,589,000 in 1938, and \$2,750,000 in 1939.

Source of tables 428 and 429: Post Office Department, Annual Report of the Postmaster General and records.

No. 430.—POSTAL SERVICE OPERATION—NUMBER OF OFFICES, MILEAGE OF RURAL ROUTES, AND GROSS RECEIPTS, BY STATES AND OUTLYING AREAS

DIVISION AND STATE	Number of post offices, June 30, 1939	Milcage of rural free-delivery routes, June 30, 1939	GROSS POSTAL RECEIPTS <sup>1</sup>					
			1920	1925	1930	1935	1938	1939
			In thousands of dollars for years ended June 30					
Grand total.	44,400	1,392,657	424,525	584,755	686,351	595,661	691,682	706,846
United States proper.	43,984	1,392,601	423,463	583,427	684,610	591,800	687,797	703,301
New England.	2,432	43,564	32,276	43,498	51,375	46,111	51,074	52,683
Maine.	741	12,301	2,866	3,946	3,912	3,588	3,871	3,869
New Hampshire.	354	5,319	1,504	2,035	2,286	2,216	2,536	2,608
Vermont.	360	8,090	1,220	1,540	1,703	1,659	1,788	1,808
Massachusetts.	586	8,264	18,913	25,064	29,627	25,890	28,269	29,266
Rhode Island.	83	1,290	2,029	2,702	3,297	3,018	3,308	3,471
Connecticut.	308	7,300	5,744	8,211	10,550	9,740	11,302	11,661
Middle Atlantic.	5,190	115,500	117,897	161,532	194,927	164,613	187,610	190,091
New York.	2,015	49,576	74,772	102,514	125,072	102,748	116,513	118,011
New Jersey.	637	8,822	9,512	14,655	19,768	18,553	21,570	22,247
Pennsylvania.	2,538	57,102	33,613	44,363	50,087	43,312	49,528	49,833
East North Central.	5,825	305,994	107,343	151,924	175,748	143,663	169,772	173,004
Ohio.	1,379	69,891	24,800	35,417	42,088	34,046	39,595	40,157
Indiana:	931	59,101	9,226	13,774	15,613	13,388	15,712	16,091
Illinois.	1,489	72,511	51,357	70,753	78,757	62,916	74,571	76,323
Michigan.	1,062	53,635	13,199	18,978	24,133	20,048	24,619	25,037
Wisconsin.	964	50,856	8,761	13,002	15,157	13,265	15,275	15,396
West North Central.	6,688	331,678	53,971	73,365	80,641	66,926	74,217	75,061
Minnesota.	1,063	54,446	10,847	15,836	17,614	15,089	17,104	17,380
Iowa.	1,137	64,120	9,392	11,720	13,504	10,932	12,474	12,650
Missouri.	1,577	61,124	18,624	27,230	28,988	22,748	25,072	25,397
North Dakota.	640	29,144	2,062	2,360	2,721	2,562	2,715	2,722
South Dakota.	589	25,224	2,066	2,539	2,750	2,433	2,547	2,592
Nebraska.	717	37,537	5,504	6,663	7,279	6,217	6,705	6,775
Kansas.	965	60,083	5,476	7,017	7,785	6,945	7,601	7,545
South Atlantic.	7,622	196,135	34,415	46,072	52,293	51,213	60,635	63,180
Delaware.	74	3,050	811	999	1,233	1,251	1,607	1,631
Maryland.	613	11,547	5,292	7,101	8,519	7,706	8,846	9,232
District of Columbia.	1	203	3,536	4,771	6,047	6,307	7,395	8,111
Virginia.	1,900	30,500	5,621	7,236	7,985	7,688	8,881	9,250
West Virginia.	1,624	12,009	3,154	4,395	4,611	4,274	4,952	4,921
North Carolina.	1,212	42,372	4,138	5,814	6,830	7,475	8,775	9,011
South Carolina.	527	26,180	2,289	2,530	2,174	2,037	2,490	2,687
Georgia.	957	55,510	6,395	7,734	9,220	8,452	9,895	10,213
Florida.	714	14,764	3,179	5,492	5,674	6,023	7,795	8,124
EastSouth Central.	4,987	148,278	15,546	20,576	23,736	21,330	25,413	25,976
Kentucky.	2,384	27,135	4,392	6,283	6,827	6,161	7,023	7,073
Tennessee.	881	45,534	5,289	7,107	8,546	7,676	9,295	9,563
Alabama.	950	39,601	3,418	4,385	5,108	4,524	5,496	5,656
Mississippi.	772	36,008	2,447	2,801	3,255	2,969	3,598	3,684
WestSouth Central.	4,963	165,573	24,678	30,646	37,240	33,206	40,708	41,662
Arkansas.	1,146	26,734	2,928	3,585	3,828	3,265	3,900	4,056
Louisiana.	795	16,347	4,015	5,055	5,486	5,017	6,187	6,436
Oklahoma.	916	44,113	4,730	5,889	7,272	6,217	7,404	7,380
Texas.	2,106	78,379	13,005	16,117	20,654	18,707	23,217	23,790
Mountain.	3,325	36,891	12,178	15,004	17,276	15,914	18,809	19,263
Montana.	640	6,798	2,016	2,180	2,446	2,422	2,649	2,723
Idaho.	446	6,975	1,397	1,324	1,513	1,488	1,783	1,854
Wyoming.	330	1,236	712	953	993	992	1,139	1,176
Colorado.	644	14,889	4,398	5,878	6,819	5,929	6,932	7,054
New Mexico.	518	3,082	679	900	1,089	1,162	1,484	1,543
Arizona.	285	1,733	943	1,137	1,532	1,456	1,870	1,909
Utah.	314	2,010	1,647	2,179	2,347	1,928	2,344	2,358
Nevada.	148	168	386	453	537	537	608	645
Pacific.	2,952	48,988	25,158	40,252	51,378	48,823	59,559	62,381
Washington.	763	16,042	5,636	7,494	8,719	8,026	9,420	9,655
Oregon.	688	10,752	3,324	4,809	5,436	5,004	6,162	6,514
California.	1,501	22,194	16,198	28,509	37,223	35,793	43,978	46,213
Outlying offices.	416	56	21,062	1,328	1,740	3,860	3,885	3,545
Alaska.	215		82	71	104	98	151	160
Guam.	1		1	2	3	3	12	11
Fawaii.	94	56	352	611	774	834	1,261	1,264
Puerto Rico.	99		406	522	527	568	741	770
Samoa (Tutuila)	2		2	2	(3)	(3)	(3)	(2)
Virgin Islands.	5		17	11	15	17	35	27
Philatelic agency				109	317	2,340	1,686	1,312

Revenues from money-order business, postal savings, and certain miscellaneous items not included.

<sup>1</sup> Includes receipts from agencies in China, France, and Siberia. <sup>3</sup> Less than \$500.

Source: Post Office Department, Annual Report of the Postmaster General,



## 17. COMMUNICATION SYSTEMS

General Note.-This section covers public telephone systems and land (wire) commercial telegraph systems operated in continental United States and commercial cable and radiotelegraph systems operated by companies incorporated in United States

### No. 431. - TELEPHONE SYSTEMS, EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES AND WAGES, REVENUE, AND INVESTMENT: 1912 TO 1937

(All money figures in thousands of dollars)

	1912	1917	1922	1927	1932	1937
<b>ALL SYSTEMS</b>						
Number of systems and lines.	32,233	53,234	57,253	60,148	155,378	250,560
Miles of wire (Thousands).	20,248	28,827	37,266	63,836	87,678	230,831
Number of central offices.	311,515	321,175	319,260	20,227	19,228	18,967
Number of telephones (thousands)	8,730	11,717	14,347	18,523	17,424	219,453
Number of calls originating with systems reporting (millions)	(2)	21,846	24,648	31,614	30,048	33,618
Number of employees.		262,629	312,015	375,272	334,085	333,162
Salaries and wages.		175,670	352,926	486,597	458,117	516,640
Operating revenues		382,830	665,568	1,023,574	1,051,530	1,180,028
Investment in plant and equipment.	3	1,492,329	2,205,183	3,548,875	4,791,903	25,001,803
<b>SYSTEMS REPORTING ANNUAL INCOME OF \$5,000 OR MORE, 1912 AND 1917, AND THOSE REPORTING \$10,000 OR MORE, 1922-37</b>						
Number of systems and lines	1,916	2,200	1,323	1,368	918	846
Miles of wire, total (Thousands).	19,019	27,298	35,503	62,277	86,484	589,571
Underground.	9,165	14,849	21,440	39,893	55,236	
Overhead.	9,854	12,449	14,063	22,384	31,248	8
Number of central offices.	11,515	12,294	10,666	11,485	12,724	12,539
Number of telephones (thousands).	7,327	9,954	12,295	16,713	16,284	18,291
Number of calls originating with systems reporting, total (millions).	13,736	19,809	21,901	29,186	29,100	32,932
Local exchange	13,395	19,366	21,235	28,109		31,952
Long distance or toll.	341	443	666	1,087	8	980
Number of employees.	183,361	244,490	290,333	356,739	320,763	319,950
Salaries and wages.	96,041	169,655	341,538	475,840	451,478	510,695
Operating revenues	244,476	363,832	637,469	996,912	1,046,392	1,167,442
Investment in plant and equipment.	1,081,433	1,435,912	2,129,774	3,475,202	4,734,706	4,941,286
<b>BELL SYSTEM (INCLUDED ABOVE)</b>						
Miles of wire (thousands).	15,133	23,134	30,614	56,819	80,586	81,578
Number telephones (thousands).	5,087	7,327	9,515	13,726	13,793	15,332
Number of originating calls (millions)	9,133	14,598	16,567	23,693	25,061	27,667
<b>SYSTEMS REPORTING ANNUAL INCOME OF LESS THAN \$5,000, 1912 AND 1917, AND LESS THAN \$10,000, 1922-37</b>						
Number of systems and lines.	30,317	51,034	55,930	58,780	43,910	249,714
Miles of wire (thousands)	1,229	1,529	1,763	1,559	1,193	1,260
Number telephones (thousands).	1,403	1,763	2,052	1,810	1,140	1,162
Number of originating calls (millions)	(8)	2,037	2,746	2,418	948	686

1 Includes 10,550 connecting lines for which separate reports were not secured; data for such lines, however, were included in reports of operating companies supplying switchboard service.

2 Includes data for connecting lines having fewer than 5 telephones per line, as follows: 11,759 lines; 29,000 telephones; and estimated figures for other items as follows: 44,000 miles of single wire; and \$1,600,000 investment in equipment.

3 Not reported for systems and lines having less than \$5,000 annual income in 1912. For 1917 and 1922, figures represent number of systems and lines reporting central offices; actual number of central offices was probably slightly larger.

Not reported except for systems and lines with income of \$5,000 or more.

Including assessments of mutual companies, and miscellaneous operating revenues.

83,378,000 miles of wire in cable and 6,193,000 not in cable.

No data.

E No comparable data available.

Source: Department of Commerce, Bureau of the Census: Census of Electrical Industries, report on Telephones and Telegraphs.

**No. 432. TELEPHONE SYSTEMS-WIRE MILEAGE, NUMBER OF TELEPHONES AND CALLS, ALL SYSTEMS AND LINES, BY STATES: 1932 AND 1937**

DIVISION AND STATE	MILES OF WIRE		NUMBER OF TELEPHONES			TELEPHONES PER 1,000 POPULATION <sup>1</sup>		NUMBER OF ORIGINATING CALLS (MILLIONS)	
	1932	1937	1927	1932	1937	1932	1937	1932	1937
United States.	87,677,586	90,787,172	18,522,767	17,424,406	19,424,200	139	150	30,048	33,618
New England.	7,682,588	7,777,376	1,548,931	1,513,939	1,606,031	183	187	2,458	2,576
Maine.	517,144	513,660	131,367	124,372	128,288	155	150	205	202
New Hampshire.	288,990	293,852	83,066	79,506	83,661	1705	1641	1271	121
Vermont.	149,129	159,203	60,793	58,133	57,367	161	150	86	85
Massachusetts.	4,099,247	4,162,775	867,888	832,740	871,319	193	197	1,368	1,407
Rhode Island.	595,303	608,496	114,944	110,671	117,239	158	172	1761	180
Connecticut.	2,032,775	2,039,990	290,873	308,517	348,157	188	200	496	581
Middle Atlantic.	27,399,025	27,714,601	4,588,211	4,613,733	4,874,183	172	177	6,905	7,273
New York.	15,385,557	15,355,969	2,595,537	4,528,537	2,712,329	204	209	4,000	4,227
New Jersey.	4,382,769	4,554,521	599,336	642,830	698,782	154	161	838	938
Pennsylvania.	7,630,699	7,794,111	1,393,338	1,342,366	1,463,072	138	144	2,067	2,108
East North Central.	21,574,370	21,650,970	4,589,751	4,034,931	4,608,168	156	178	6,504	7,248
Ohio.	5,545,857	5,688,439	1,122,036	978,394	1,146,985	144	170	1,712	1,987
Indiana.	2,223,608	2,286,516	552,249	444,996	504,568	136	145	863	893
Illinois.	7,599,337	7,485,744	1,685,690	1,507,222	1,668,777	193	212	2,206	2,388
Michigan.	4,263,778	4,246,680	711,315	621,958	759,600	124	157	982	1,196
Wisconsin.	1,941,790	1,943,591	518,461	482,361	528,238	162	181	741	784
West North Central.	7,642,354	7,784,619	2,594,081	2,260,885	2,372,735	169	172	3,960	4,106
Minnesota.	1,610,192	1,680,935	487,611	443,682	499,771	171	188	849	890
Iowa.	1,310,798	1,313,255	565,533	484,879	514,460	196	202	775	793
Missouri.	2,620,741	2,583,699	657,946	592,153	616,177	162	154	1,157	1,207
North Dakota.	161,225	175,277	86,198	69,241	72,007	101	102	143	111
South Dakota.	177,521	188,286	107,641	88,798	85,900	127	124	119	119
Nebraska.	736,632	727,487	295,274	247,551	242,143	178	178	367	418
Kansas.	1,024,245	1,025,580	393,878	334,681	342,277	176	184	550	569
South Atlantic.	5,760,130	6,674,717	1,262,222	1,250,882	1,554,122	78	90	2,430	3,161
Delaware.	210,300	245,518	28,901	32,537	41,225	135	158	58	71
Maryland.	1,076,460	1,197,769	197,135	212,014	250,619	128	149	3171	368
Dist. of Columbia.	675,044	840,674	144,985	180,785	226,957	366	362	235	305
Virginia.	876,581	1,028,179	183,698	196,956	237,941	811	88	420	510
West Virginia.	445,781	462,646	146,677	134,150	155,873	76	84	243	291
North Carolina.	706,829	772,503	160,507	143,710	179,161	44	51	321	492
South Carolina.	290,599	335,114	64,616	57,215	71,459	33	38	148	187
Georgia.	772,176	888,121	173,410	151,264	194,291	52	631	415	555
Florida.	706,360	904,193	162,293	142,251	195,596	92	118	273	382
East South Central.	2,587,978	2,778,524	644,270	547,440	633,969	55	59	1,401	1,630
Kentucky.	863,293	951,738	222,735	191,236	208,199	72	71	407	430
Tennessee.	850,951	922,755	220,559	192,983	227,253	73	79	539	652
Alabama.	580,087	590,061	121,115	100,813	125,292	37	43	282	357
Mississippi.	293,647	313,970	79,861	62,408	73,225	31	36	173	191
WestSouth Central.	5,028,077	5,397,748	1,149,357	1,002,389	1,194,910	81	93	2,591	3,091
Arkansas.	366,944	360,189	118,178	86,676	93,421	46	46	193	210
Louisiana.	694,367	760,503	137,610	132,735	166,130	62	78	392	495
Oklahoma.	1,173,051	1,249,638	278,912	241,453	280,937	99	110	571	656
Texas.	2,793,715	3,027,418	614,657	541,525	654,422	90	106	1,435	1,730
Mountain.	1,640,855	1,796,089	456,198	446,492	529,207	119	140	802	968
Montana.	181,485	190,152	59,238	55,361	65,817	103	122	96	114
Idaho.	134,096	146,380	54,822	49,201	61,927	110	126	93	116
Wyoming.	85,233	89,402	28,049	28,346	32,320	123	138	49	59
Colorado.	717,589	773,792	183,250	179,063	201,384	171	1881	3001	344
New Mexico.	84,722	109,863	21,580	23,100	31,071	53	74	43	60
Arizona.	158,261	180,443	33,194	36,064	47,405	80	115	681	93
Utah.	231,113	254,367	63,106	60,082	71,589	116	138	130	155
Nevada.	48,356	51,690	12,959	15,275	17,694	164	175	23	28
Pacific.	8,363,209	9,201,928	1,689,746	1,753,615	2,050,875	205	232	2,997	3,565
Washington.	1,029,949	1,060,423	299,109	276,530	314,953	174	190	560	603
Oregon.	599,201	638,654	185,171	166,639	180,501	170	176	307	330
California.	6,734,059	7,502,851	1,205,466	1,310,446	1,555,421	219	253	2,130	2,632

<sup>1</sup> Based on population estimates of April 1, 1933 and July 1, 1937.  
 include 47,600 miles of single wire and 29,000 telephones on 11,759 connecting lines having fewer than one telephone per line.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Telephones and Telegraphs.

**No. 433. TELEPHONES NUMBER AND WIRE MILEAGE IN ALL SYSTEMS, AND  
NUMBER OF TELEPHONES IN THE BELL SYSTEM: 1895 TO 1939**

DEC. 31-	Total tele- phones1	Total miles of wire1	Telephones in Bell System2	DEC. 31-	Total tele- phones 1	Total miles of wire1	Telephones in Bell System2
1895.	339,500	722,000	309,502	1928.	19,341,000	69,130,000	19,197,000
1900-	1,355,900	2,807,000	355,911	1929.	20,068,000	76,460,000	19,958,000
1905-	4,126,800	8,470,000	2,560,924	1930.	20,201,000	83,110,000	20,098,000
1910.	7,635,400	16,937,000	5,882,719	1931.	19,690,000	66,106,000	19,596,000
1915-	10,523,500	24,792,000	9,172,495	1932.	17,424,406	87,677,586	17,341,000
1920.	13,329,400	32,000,000	12,601,935	1933.	16,711,000	57,000,000	16,635,000
1921.	13,875,200	34,000,000	13,380,219	1934.	416,869,000	36,800,000	16,797,000
1922-	14,347,395	37,265,958	14,050,565	1935.	*17,424,000	57,200,000	17,354,000
1923.	15,369,500	41,400,000	15,000,101	1936.	418,433,000	68,106,000	418,362,000
1924.	16,072,800	46,500,000	15,822,934	1937.	541,953,401	90,831,421	19,385,000
1925.	16,935,900	52,200,000	16,720,224	1938.	419,953,000	32,850,000	419,885,000
1926.	17,746,000	57,960,000	17,574,252	1939.	20,821,000	35,150,000	220,753,000
1927.	318,522,767	63,836,182	18,365,000				

1

Partly estimated, except as indicated.

Bell-owned and Bell-connecting (owned by other companies).

From Bureau of the Census.

Excludes 80,000 Bell private-line telephones in 1934, 79,000 in 1935, 81,000 in 1936, 82,000 in 1937, 80,000 in 1938, and 77,500 in 1939. Prior to 1934 private-line telephones were included.

Source: American Telephone &amp; Telegraph Co., New York, N. Y.; annual report and records.

**No. 434.- AMERICAN TELEPHONE & TELEGRAPH Co. AND PRINCIPAL TELE-  
PHONE SUBSIDIARIES (BELL TELEPHONE SYSTEM) -SUMMARY: 1920 TO 1939**

[Figures are as of December 31]

	1920	1925	1930	1935	1938	1939
Telephones (thousands).	8,134	11,910	15,187	13,573	15,761	16,536
Central offices (number).	5,767	6,147	6,639	6,896	6,975	7,001
Miles of pole line.	362,481	394,529	428,212	407,454	399,368	397,202
Miles of wire, total (thousands).	24,863	44,943	74,124	78,626	83,445	85,537
underground cable.	14,207	27,769	45,116	47,639	50,783	52,041
E. aerial cable.	6,945	12,835	23,777	26,425	28,072	28,910
Open wire	3,711	4,339	5,231	4,562	4,590	4,586
Percent total wire mileage in cable.	85.1	90.3	92.9	94.2	94.5	94.6
Average daily telephone conversations, total (thousands).	33,125	50,141	64,034	60,290	69,897	73,802
Exchange.	31,818	48,051	61,150	58,066	67,400	71,200
Toll and long distance.	1,307	2,090	2,884	2,224	2,497	2,602
Total plant (thousand dollars).	1,373,802	2,566,809	4,028,836	4,187,790	4,489,078	4,590,510
Employees (number).	228,943	292,902	318,119	241,169	257,443	259,930

Source: American Telephone &amp; Telegraph Co., New York, N. Y.; annual report.

**No. 435. RADIOTELEPHONES SUMMARY: 1937**

**NOTE**Figures cover all companies and systems licensed by the United States to engage in the reception and transmission of commercial radiotelephone communications. No data are included for radiotelephone stations such as amateur, experimental, Federal, police, fire, etc., which were not licensed to charge fees for receiving or sending calls. The survey covered U. S. licensees in the United States, Alaska, Hawaii, and Puerto Rico, as well as those operating ship stations.

Number companies systems.	27
Number of stations (as of Dec. 31, 1937).	132
Operating revenues applicable to the radio link (dollars).	1,212,073
Revenue calls, total number.	147,596
Foreign traffic of the U. S. (calls subject to overseas regulations).	62,507
Ship traffic of the U. S. (calls subject to overseas, coastal, and harbor regulations).	26,409
Other traffic: Within the United States; 2 within Alaska; 2 within Hawaii; 3 within Puerto Rico; 2 Hawaii and Puerto Rico with other countries except continental U. S.; and Alaska with ships.	68,680

Calls originating, terminating, or relayed in the United States.

: Originating call only.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Telephones and Telegraphs.

## No. 436. TELEPHONE SYSTEMS SUMMARY, CLASS A CARRIERS: 1926 TO 1939

NOTE.—Figures cover Class A telephone carriers which reported for 1939. Class A carriers are those carriers whose average annual operating revenues exceeded \$100,000. The gross operating revenues of Class A carriers reporting in 1937 represented approximately 96 percent of the revenues of all telephone carriers as reported for the Census of Electrical Industries for that year. (See table 431.). The figures include data for carriers consolidated and merged prior to 1939. So far as annual data are available. Intercorporate duplications have not been excluded.

FEAR	EMPLOYEES					INVESTMENT IN TELEPHONE PLANT				
	Miles of wire (thousands) <sup>1</sup>	Number of telephones (thousands)	Total compensation	Operating revenues	Operating expenses	Operating taxes	Net operating income	Plant and equipment, total	Investment less depreciation	
										Number on Dec. 31
Thousands of dollars										
1926.	54,462	14,382	322,617	(2)	879,838	589,447	73,329	211,682	975,422	2,373,806
1927.	60,440	15,201	327,937	(2)	948,560	637,384	79,530	225,722	216,845	2,592,657
1923.	65,852	16,046	350,102		1,032,480	691,229	84,885	249,921	13,482,802	2,808,107
1929.	73,680	15,989	387,115		1,133,118	766,279	87,166	272,305	3,864,064	603,139,555
1930.	80,557	17,101	346,441		1,166,912	804,115	89,810	263,735	4,219,827	3,457,290
1931	84,323	16,803	314,839		1,136,900	768,354	93,993	265,427	74,387,096	3,572,614
1932.	85,902	14,988	284,550		1,010,872	689,970	89,635	215,016	25,204,572	975
1933 <sup>3</sup>	82,237	14,301	267,228	369,257	933,082	666,575	87,868	178,538	41,353,316	3,505,585
1934.	82,112	14,626	267,782	385,888	944,489	665,370	92,558	155,429	6,445,338	4,485,0
1935.	82,462	15,121	264,986	401,987	996,967	702,298	98,948	105,206	706,402,205	2,382,92
1936.	83,224	16,048	281,125	133,220	2,076,280	721,769	121,300	233,204	14,538,894	3,351,165
1937 <sup>3</sup>	85,484	16,993	294,955	488,614	2,137,717	774,247	142,113	221,395	4,677,140	9,415,842
1938.	87,434	17,443	285,693	501,667	71,140,192	784,261	151,741	204,201	4,785,660	3,469,025
1939.	89,595	18,259	286,051	510,303	1,197,788	801,673	163,537	22,918	3,329,496	62,30

<sup>1</sup> The decrease reflected in data shown for the year 1933 is due mainly to the fact that prior to that year the total of wire jointly owned with other companies was included, whereas from 1933 on, only the respondents' portion of jointly owned wire was included.

<sup>2</sup> Prior to comparing figures in this table, consideration should be given to the effect of the revision of the Uniform System of Accounts, First Revised Issue, and the issue of June 19, 1935, as amended, resulting in certain changes and rearrangements of both the balance sheet and the income statement.

Source: Federal Communications Commission, Annual Report.

## No. 437. RADIOTELEGRAPH CARRIERS- SUMMARY: 1933 TO 1939

NOTE. All money figures in thousands of dollars. Figures show development from 1933 to 1939 of carriers which reported for 1939

	1933	1934	1935	1936	1937	1938 <sup>1</sup>	1939 <sup>1</sup>
Operating revenues <sup>2</sup>	6,560	7,874	8,404	9,346	10,683	10,342	12,195
Operating expenses.	6,489	7,289	8,014	8,361	8,833	8,811	9,349
Operating taxes.	246	274	211	380	640	546	775
Operating income.	3189	271	80	543	1,161	883	1,958
Net income.	3386	339	31,008	227	1,302	276	1,377
Revenue messages transmitted (thousands).	4,985	5,067	6,704	7,951	9,537	8,826	9,586
Number of employees on June 30.	1,869	2,359	2,801	2,981	3,112	3,161	3,274
Total compensation for year.	(C)	3,705	4,159	4,492	5,126	5,375	5,811
Investment in plant and equipment.	28,311	30,549	31,021	30,844	32,093	32,456	32,282
Capital stock.	6,756	7,463	7,664	7,693	7,783	7,808	7,809
Unmatured funded debt.	204	3,664	3,649	898	3,520	1,808	708

<sup>1</sup> In comparing data for 1938 and 1939 with prior years, consideration should be given to the effect of certain changes in reporting requirements.

<sup>2</sup> One of the larger radiotelegraph carriers included substantial amounts reported as transmission revenues covering miscellaneous sales, rentals, service fees, etc.

: Definition of terms in this item.

Source: Federal Communications Commission, Annual Report.

**No. 438.-- WIRE-TELEGRAPH CARRIERS (LAND LINE AND OCEAN CABLE)-  
SUMMARY: 1926 TO 1939**

NOTE.--Figures show development from 1926 to 1939 of carriers which reported for 1939 and include, for the entire period, carriers consolidated and merged in prior years for which annual report data are available. Intercorporate duplications have not been excluded.

YEAR	Miles of wire (thousands)	Number of revenue messages transmitted (thousands)	INVEST-			Operating rate (percent)	OPER-ATING IN-COME	NET IN-COME	DIVI-DENDS	EMPLOYEES	
			MENT IN PLANT AND EQUIP-MENT	OPER-ATING REVENUES	Thousands of dollars					Number on June 30	Total compensation
1926.	2,126	231,722	392,979	180,225	80.79	27,055	22,964	14,839	87,165		
1927.	2,249	230,592	E12,061	177,540	80.12	27,672	23,184	14,344	83,617	8	
1928.	2,357	240,391	428,560	185,112	80.57	28,609	24,028	E5,015	85,340		
1929.	2,405	251,457	441,080	196,388	81.621	29,516	25,395	22,312	95,014	8	
1930.	2,426	227,194	485,659	176,627	85.59	19,733	13,250	23,664	92,648		
1931.	2,394	195,047	497,383	148,491	87.37	13,829	5,518	11,652	79,509		
1932.	2,380	154,949	499,569	114,982	39.74	5,653	42,437	4,445	57,079		
1933.	2,386	154,207	500,610	114,296	84.61	12,248	4,033	2,800	64,153		
1934.	2,396	168,492	501,313	118,994	86.36	11,012	1,043	1,781	68,560		73,096
1935.	2,398	174,527	500,699	122,152	83.94	14,417	4,240	1,800	66,122		72,138
1936.	2,423	191,910	501,561	132,637	82.89	16,805	6,914	1,837	69,951		78,450
1937.	2,426	200,611	503,807	135,503	86.62	10,718	1,293	3,082	73,351		35,191
1938.	2,428	185,828	505,145	123,288	90.21	4,248	45,423	248	53,411		77,417
1939.	2,434	188,670	502,193	128,261	87.62	7,781	42,305	323	51,689		78,434
Western Union Co., 1939. Postal Telegraph-Cable Co. and Inesystem):	1,913	147,272	384,699	95,660	86.07	5,991	1,380		43,490		50,084
1939--	408	35,774	33,522	21,115	100.56	41,144	44,100		14,560		13,804

1 In order to avoid duplication, stock and commercial news traffic, telephone toll messages, and mobile foreign messages, domestic haul, are excluded.

3 No data.

4 Deficit or other reverse item.

and Ratio of operating expenses to operating revenues.

Source: Federal Communications Commission, Annual Report.

**No. 439.--WESTERN UNION TELEGRAPH Co.-LINE AND WIRE MILEAGE,  
OFFICES, AND FINANCES: 1867 TO 1939**

YEAR ENDED-	Miles of land and cable	Miles of wire	Number of offices	Receipts	Expenses	Net income
June 30--				DOLLAR\$	Dollars	Dollars
1867.	46,270	85,291	2,565	6,568,925	3,944,006	2,624,920
1870.	54,109	112,191	3,972	7,138,738	4,910,772	2,227,966
1875.	72,833	179,496	6,565	9,564,575	6,335,415	3,229,158
1880.	85,645	233,534	9,077	12,782,895	6,948,957	5,833,938
1885.	147,500	462,283	14,184	17,706,834	12,005,910	5,700,924
1890.	183,917	678,997	19,382	22,387,029	15,074,304	7,312,725
1895.	189,714	802,651	21,360	22,218,019	16,076,630	6,141,359
1900.	192,705	933,153	22,900	24,768,570	18,593,206	5,165,304
1905.	200,224	1,184,557	23,814	29,033,635	21,845,570	7,188,065
1910.	214,360	1,429,049	24,825	33,880,202	26,614,302	1,274,900
Dec. 31--						
1915.	238,940	1,610,709	25,142	52,475,721	40,972,541	11,503,180
1920.	246,214	1,449,710	24,881	121,473,685	108,134,041	13,339,644
1923.	244,001	1,567,399	24,678	113,623,470	99,982,165	13,646,305
1924.	246,742	1,593,963	24,478	115,235,563	101,816,734	13,419,829
1925.	246,307	1,635,236	24,428	129,151,617	112,861,832	16,289,785
1926.	249,916	1,668,293	24,688	136,406,026	121,098,832	15,307,194
1927.	251,756	1,783,140	24,765	134,460,816	119,328,218	15,132,598
1928.	255,088	1,889,632	24,842	139,387,321	123,817,517	15,569,801
1929.	256,044	1,934,020	25,061	148,449,854	132,872,815	15,577,039
1930.	256,763	1,948,938	24,298	133,235,751	123,987,519	9,248,232
1931.	258,652	1,913,485	23,490	110,547,245	101,572,745	9,974,500
1932.	258,020	1,899,174	21,950	54,581,963	85,412,568	18,30,605
1933.	257,274	1,902,327	21,261	84,993,425	50,628,543	4,364,882
1934.	255,781	1,902,799	21,078	88,757,205	36,514,121	2,243,080
1935.	254,691	1,905,858	20,964	91,389,312	86,131,234	5,258,078
1936.	253,745	1,908,915	20,968	100,036,603	92,837,483	7,199,120
1937.	253,367	1,913,452	20,445	102,075,710	98,750,941	3,325,769
1938.	252,258	1,914,499	20,025	93,241,457	94,879,346	2,163,787
1939.	250,563	1,913,300	19,543	97,178,917	95,798,803	1,330,114

1 Figures for 1915 and prior years represent net income before bond interest. 2 Deficit.

Source: Western Union Telegraph Co., New York, N. Y.; annual report.

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## 18. POWER

[Data in this section relate to continental United States]

### No. 441.- ENERGY FROM MINERAL FUELS AND WATER POWER ANNUAL SUPPLY, BY SOURCE: 1871 TO 1939

NOTE.—The figures, except coal equivalent, represent the equivalent of the heating power of the classes of fuel in trillions of British thermal units. Data represent production, except those for all imports, and take into account of exports, imports, or changes in stocks

ANNUAL AVERAGE OR YEAR	Anthracite	Bituminous	Total coal	Domestic oil	Natural gas	Imported oil	Water power'	Grand total fuels and water power	EQUIVALENT IN BITUMINOUS COAL <sup>2</sup>	
									Million tons of 2,000 lbs.	Per capita, tons
1871-75-	637	754	1,391	49			(1)	1,520	58	1.4
1876-80-	718	955	1,673	101				1,857	71	1.5
1881-85.	985	1,863	2,848	153	324		8	3,110	119	2.2
1886-90.	1,195	2,474	3,669	198	326		(1)	4,221	161	2.7
1891-95.	1,453	3,286	4,739	307	2166		104	5,316	203	3.0
1896-1900.	1,513	4,493	6,006	357	3198		129	6,690	255	3.5
1901-05.	1,818	7,140	8,958	612	323		209	10,102	386	4.8
1906-10.	2,207	9,783	11,990	1,037	470	1	369	13,867	529	5.9
1911-15.	2,427	11,527	13,954	1,486	619	72	591	16,722	638	6.6
1916-20-	2,523	13,981	16,504	2,176	820	297	851	20,648	788	7.6
1921-25.	2,112	12,610	14,722	3,888	1,024	569	1,105	21,308	813	7.3
1926-30.	2,084	13,595	15,679	5,375	1,760	408	1,781	25,002	954	8.0
1931-35.	1,460	9,207	10,667	5,336	1,824	230	1,931	19,988	763	6.1
1933.	1,348	8,741	10,089	5,434	1,672	191	1,931	19,317	737	5.9
1934.	1,555	9,415	10,970	5,448	1,904	213	1,896	20,431	780	6.2
1935.	1,419	9,756	11,175	5,980	2,060	193	2,207	21,615	825	6.5
1936.	1,485	11,504	12,989	6,598	2,330	194	2,256	24,367	930	7.3
1937.	1,410	11,673	13,083	7,675	2,588	165	2,446	25,957	991	7.7
1938.	1,255	9,132	10,387	7,286	2,468	158	2,466	22,765	869	6.7
1939 preliminary).	1,397	10,192	11,589	7,586	2,618	199	2,423	24,415	932	7.1

<sup>1</sup> Fuel equivalent is calculated from Kilowatt-hour of power produced wherever available, as is true of all public-utility plants since 1919. Otherwise fuel equivalent is calculated from reported horsepower of installed water wheels. Prior to 1890 data were unsatisfactory, but estimates are included in total.

<sup>2</sup> Calculated at 26,200,000 British thermal units per ton.

: Based on amount of coal displaced by gas, as estimated by gas companies.

Source: Figures for 1936 and prior years, Department of Interior, Bureau of Mines. Thereafter, National Bituminous Coal Commission, Bituminous Coal Division of Department of Interior. Published by Department of Interior, Bureau of Mines, in Minerals Yearbook.

### No. 442.- GENERATING PLANTS-INSTALLED CAPACITY, BY TYPE OF PRIME MOVER: 1920 TO 1939

NOTE.—In kilowatts. See headnote, table 443

YEAR	Total	TYPE OF PRIME MOVER			Hydro as percent of total
		Hydro	Steam	Internal combustion	
1920-	14,372,008	3,786,595	10,490,944	94,470	26.3
1921.	15,282,014	3,965,550	11,221,724	94,640	25.9
1922.	15,949,913	4,200,860	11,646,655	102,398	26.3
1923.	17,433,118	4,597,524	12,721,552	114,042	26.4
1924.	19,493,376	5,149,781	14,216,155	127,440	26.4
1925.	23,512,000	5,158,849	17,166,846	186,305	26.2
1926.	25,392,322	6,547,345	18,551,524	193,452	26.2
1927.	27,020,915	7,134,143	19,683,534	203,238	26.4
1928.	29,714,017	8,060,771	21,335,347	317,899	27.1
1929.	31,622,591	8,166,479	23,129,693	326,419	25.8
1930.	34,055,319	9,941,020	24,595,862	418,437	26.3
1931.	35,369,664	9,444,771	25,474,380	450,513	26.7
1932.	35,991,317	9,583,009	25,921,209	487,099	26.6
1933.	36,242,916	9,736,063	26,008,665	498,188	26.9
1934.	35,791,072	9,741,739	25,524,206	525,127	27.2
1935.	36,074,442	3,795,138	25,708,209	571,095	27.2
1936.	36,564,442	10,436,493	25,519,062	608,887	28.5
1937.	37,134,382	10,576,614	25,872,720	685,048	28.5
1938.	39,042,105	11,066,063	27,202,844	773,198	28.3
1939.	40,317,924	11,415,165	28,046,948	855,811	28.3

Source: Federal Power Commission, Electric Power Statistics.

No. 443.—ELECTRIC ENERGY- PRODUCTION, BY TYPE OF PRIME MOVER:  
1920 TO 1939

NOTE.—In thousands kilowatt hours. Figures for 1939 in this table and those in table 442 and in tables 444 to 448 are based on the operation of 4,126 power plants, owned by 1,677 concerns, generating electric energy for sale. The production and capacity of the following types of plants are included: Privately owned electric utilities, mining and manufacturing (exclusive of plants of those concerns whose sales were less than 10,000 kilowatt hours per month), railways and railroads, municipal electric utilities, Bureau of Reclamation, other Federal projects, cooperatives, power districts, State projects, and publicly owned noncentral stations

YEAR	Total	TYPE OF PRIME MOVER			Hydro as percent of total
		Hydro	Steam	Internal combustion	
1920.	13,334,282	15,949,050	27,218,273	166,959	36.8
1921.	40,886,083	14,879,593	25,831,166	175,324	36.4
1922.	47,521,031	17,091,953	30,238,485	190,593	36.0
1923.	55,554,567	19,232,513	36,112,791	209,263	34.6
1924.	68,887,015	19,844,665	38,809,011	233,339	33.7
1925.	65,751,137	22,233,423	43,223,181	294,533	33.8
1926.	73,688,669	26,071,592	47,279,097	337,880	35.4
1927.	79,364,895	29,028,596	49,997,324	338,975	36.6
1928.	56,557,804	33,389,239	52,609,015	559,550	38.6
1929.	95,925,226	33,190,745	52,160,462	574,019	34.6
1930.	94,551,597	31,737,724	62,277,883	635,985	33.5
1931.	90,728,821	29,579,863	60,505,175	643,783	32.6
1932.	82,376,772	33,321,857	48,456,610	598,305	40.5
1933.	84,736,229	34,058,562	50,094,064	583,603	40.2
1934.	90,805,524	33,713,222	56,450,551	641,751	37.1
1935.	98,464,073	39,034,152	58,649,829	780,092	39.6
1936.	112,181,242	39,516,274	71,755,938	909,030	35.2
1937.	121,836,813	44,489,183	76,329,917	1,017,713	36.5
1938.	116,681,423	44,834,410	70,727,426	1,119,587	38.4
1939.	130,336,050	44,021,631	85,006,941	1,307,478	33.8

No. 444. GENERATING PLANTS INSTALLED CAPACITY, BY CLASS OF OWNER-SHIP: 1920 TO 1939

NOTE.— In thousands of kilowatts. See headnote, table 443

YEAR	PRIVATELY OWNED					PUBLICLY OWNED			
	Total all classes of owner-ship	Electric utilities	Mining and manufacturing	Railways and railroads	Municipal electric utilities	Federal Bureau of Reclamation Other	Cooperatives, power districts, State projects	Non-central stations	
1920-	14,372	12,023	113	1,545	601	10	21	59	
1921	15,282	12,797	95	1,668	634	11	21	56	
1922-	15,950	13,419	88	1,670	685	11	21	56	
1923.	17,433	14,787	100	1,601	752	14	33	56	
1924.	19,493	16,740	135	1,677	824	14.	44	59	
1925.	23,512	20,045	268	1,772	1,125	14	184	49	55
1926.	25,392	21,819	274	1,732	1,204	21	184	99	59
1927.	27,021	23,418	369	1,573	1,210	25	184	131	111
1928.	29,714	25,991	445	1,464	1,346	29	184	139	116
1929-	31,523	27,953	420	1,363	1,424	30	184	138	111
1930-	34,055	30,285	438	1,233	1,601	32	194	154	118
1931.	35,370	31,498	431	1,241	1,696	37	194	154	119
1932.	35,991	32,033	388	1,216	1,828	38	194	155	139
1933.	36,243	32,163	458	1,198	1,879	38	194	172	141
1934.	35,791	31,547	449	1,224	1,963	38	250	182	138
1935-	36,074	31,820	449	1,190	2,001	38	262	175	139
1936.	36,565	31,787	447	1,036	2,164	407	396	184	144
1937.	37,134	31,958	494	1,020	2,477	407	425	207	146
1938.	39,042	33,246	559	991	2,631	572	584	310	149
1939.	40,318	33,908	559	896	2,807	768	883	333	164

Source of tables 443 and 444: Federal Power Commission, Electric Power Statistics.



No. 445. ELECTRIC ENERGY PRODUCTION, BY CLASS OF OWNERSHIP: 1920 TO 1939

NOTE. In millions of kilowatt-hours. See headnote, table 443

YEAR	Total all classes of ownership	PRIVATELY OWNED				PUBLICLY OWNED			
		Electric utilities	Mining and manufacturing	Railways and railroads	Municipal electric utilities	Federal Bureau of Reclamation	Other	Cooperatives, power districts, State projects	Non-central stations
1920.	43,334	37,716	176	3,754	1,373	58		94	163
1921.	40,886	35,456	161	3,545	1,422	53		88	161
1922.	47,521	41,660	216	3,672	1,637	56		103	177
1923.	55,555	49,044	321	4,005	1,852	63		90	180
1924.	58,887	52,315	395	3,830	1,940	57		161	189
1925.	65,751	58,685	485	3,815	2,302	59	44	172	180
1926.	73,689	65,480	577	3,759	2,832	79	439	335	188
1927.	79,365	70,920	724	3,223	3,051	104	564	536	243
1928.	86,558	78,207	735	3,029	3,245	134	222	612	374
1929.	95,925	87,514	780	2,965	3,497	128	172	451	418
1930.	94,652	86,109	790	2,750	3,604	147	318	518	416
1931.	90,729	82,596	789	2,590	3,435	142	355	421	401
1932.	82,377	74,488	596	2,388	3,517	150	295	572	371
1933.	84,736	76,668	740	2,256	3,583	168	290	654	377
1934.	90,806	82,079	1,193	2,355	3,834	152	205	565	423
1935.	98,464	89,330	830	2,346	4,229	156	399	732	442
1936.	112,181	102,293	667	2,198	4,705	284	789	801	444
1937.	121,837	110,464	784	2,140	5,270	1,326	517	863	473
1938.	116,681	104,090	857	2,012	5,237	1,700	1,329	994	462
1939.	130,336	115,078	851	1,843	5,688	2,692	2,784	944	456

No. 446.- CONSUMPTION OF FUEL FOR PRODUCTION OF ELECTRIC ENERGY: 1920 TO 1939

NOTE.-See headnote, table 443

CALENDAR YEAR	CONSUMPTION OF FUEL			Consumption of fuel equivalent of other fuels (thousand tons 13)	Output by fuels (million kilowatt-hours)	Consumption per kilowatt hour (pounds)
	Coal (thousand tons 1)	Fuel oil (thousand barrels 2)	Gas (million cubic feet)			
1920.	42,938	10,466	21,861	46,154	27,228	3.39
1921.	31,575	12,046	23,716	34,915	25,864	2.70
1922.	34,171	13,224	27,181	37,770	30,216	2.50
1923.	38,966	14,681	31,486	43,306	36,088	2.40
1924.	37,563	16,643	48,465	42,687	38,806	2.20
1925.	40,217	10,264	46,526	45,431	43,258	2.10
1926.	41,329	9,430	53,694	46,107	47,289	1.95
1927.	41,887	6,784	62,922	46,001	50,001	1.84
1928.	41,390	7,154	77,426	46,471	52,808	1.76
1929.	44,934	10,185	112,621	52,639	62,295	1.69
1930.	42,910	9,263	120,297	50,636	62,513	1.62
1931.	38,714	8,129	139,274	47,113	60,791	1.55
1932.	30,296	7,967	107,840	36,698	48,931	1.50
1933.	30,575	9,953	102,726	37,151	50,546	1.47
1934.	33,561	10,391	127,892	41,832	56,914	1.47
1935.	34,164	11,378	125,239	43,198	59,176	1.46
1936.	42,025	14,119	156,080	51,987	72,188	1.44
1937.	44,766	14,143	171,268	55,142	76,883	1.43
1938.	40,212	13,077	170,688	50,555	71,525	1.41
1939.	46,223	17,423	191,131	59,514	585,800	1.39

Of 2,000 pounds.  
Of 42 gallons.  
Includes fuel used for standby purposes.  
Output by use of wood not included.  
Output by use of waste not included.

Source of tables 445 and 446: Federal Power Commission, Electric Power Statistics.

No. 4:47. GENERATING PLANTS- INSTALLED CAPACITY, BY TYPE OF PRIME MOVER AND BY CLASS OF OWNERSHIP, BY STATES: 1939

[In thousands of kilowatts. See headnote, table 4431]

DIVISION AND STATE	Total	TYPE OF PRIME MOVER				CLASS OF OWNERSHIP					
		Hydro	Steam	Inter- com- bustion	Total	Privately owned			Publicly owned		
						Electric utilities	Other	Total	Muni- cipal electric utilities	Other	Total
United States.	40,318	11,415	28,047	856	35,363	33,908	1,455	4,956	2,807	2,148	
New England.	3,028	852	2,164	13	2,942	2,663	279	86	74	12	
Maine.	249	192	55	2	247	243	4	2	2	1	
New Elamshire.	318	235	81	1	316	316	0	1			
Vermont.	178	166	12	(1)	169	161	8	9	5		
Massachusetts.	1,369	165	1,196	9	1,311	1,108	204	58	52	6	
Rhode Island.	238	3	235	0	233	233		6		6	
Connecticut.	677	91	584	1	667	603	64	9	9		
Middle Atlantic.	9,747	1,572	8,141	34	9,596	9,181	416	151	132	19	
New York.	5,565	1,170	4,373	23	5,475	5,078	397	90	74	15	
New Jersey.	1,130	7	1,120	3	1,116	1,105	11	14	11	3	
Pennsylvania.	3,052	395	2,649	9	3,005	2,997	8	47	47	0	129
East North Central.	9,069	710	8,279	81	8,296	8,232	65	773	644		
Ohio.	2,436	13	2,415	8	2,243	2,218	25	194	193		
Indiana.	1,237	35	1,188	14	1,049	1,035	15	188	187	1	
Illinois.	2,504	50	2,438	16	2,376	2,370	6	120	95	33	
Michigan.	1,898	345	1,527	26	1,684	1,682	2	215	124	91	
Wisconsin.	993	267	711	16	945	928	17	48	44	4	
West North Central.	3,158	532	2,327	298	2,549	2,422	127	808	528	80	
Minnesota.	676	157	491	28	576	470	106	100	100		
Iowa.	691	127	496	68	608	589	19	83	79	4	
Missouri.	771	151	572	47	687	687		84	84		
North Dakota.	90		83	8	82	82		8	8		
South Dakota.	83	4	50	29	64	64		19	19	0	76
Nebraska.	356	86	219	51	207	207	(1).	149	73		
Kansas.	490	7	417	67	325	323	2	166	166		
South Atlantic.	4,843	2,061	2,709	73	4,541	4,196	344	302	253	50	
Delaware.	37		33	4	28	28		9	9		
Maryland.	658	271	379	7	641	639	2	17	17	(1)	2
Dist. of Columbia.	257	2	255		255	255		2			
Virginia.	573	182	381	11	535	488	47	39	27	11	
West Virginia.	733	101	628	5	733	696	37	0	(1)	(1)	
North Carolina.	1,054	652	394	3	1,002	749	252	52	50	3	
South Carolina.	634	501	130	3	631	625	5	4	3	1	
Georgia.	481	338	142	2	442	441		39	11	28	
Florida.	415	14	367	34	276	275	1	140	137	3	
East South Central.	2,002	1,221	755	25	1,171	1,077	94	831	64	767	
Kentucky.	363	111	249	3	345	345	0	18	16	2	
Tennessee.	593	391	199	3	170	89	81	423	21	402	
Alabama.	982	719	258	5	622	610	12	360	2	357	
Mississippi.	64		49	15	33	33	1	30	24	6	
West South Central.	2,041	139	1,722	180	1,830	1,820	11	211	169	42	
Arkansas.	161	67	80	14	140	138	2	21	21		
Louisiana.	409		378	31	374	372		35	35		
Oklahoma.	366	2	317	48	317	316	2	49	49		
Texas.	1,105	71	946	88	1,000	993	6	106	64	42	
Mountain.	2,157	1,581	482	93	1,230	1,165	65	926	62	865	
Montana.	331	321		3	330	330		0	0	0	20
Idaho.	261	257	7	3	233	233	8	27	8	2	45
Wyoming.	85	47	34	4	38	33	5	47	2	1	
Colorado.	285	66	209	10	250	221	29	36	34	1	
New Mexico.	109	1	92	17	106	106		3	3	(E)	
Arizona.	416	203	79	44	116	87	29	300	0	300	
Utah.	161	92	60		145	145		16	14	2	
Nevada.	509	504	3	3	12	10	3	497	0	497	
Pacific.	4,273	2,748	1,468	57	3,207	3,153	54	1,066	882	184	
Washington.	1,002	785	215		592	578	14	411	402	8	
Oregon.	462	278	179	3	355	349	6	107	20	87	
California.	2,808	1,684	1,074	50	2,260	2,226	34	549	460	89	

1 Less than 500.

Source: Federal Power Commission, Electric Power Statistics and supplement thereto.

No. 448.— ELECTRIC ENERGY- PRODUCTION, BY TYPE OF PRIME MOVER AND  
BY CLASS OF OWNERSHIP, BY STATES: 1939

NOTE.—In millions of kilowatt-hours. See headnote, table 443

DIVISION AND STATE	Total	TYPE OF PRIME MOVER			CLASS OF OWNERSHTP						
		Hydro	Steam	Inter- nai com- bus- tion	Privately owned			Publicly owned			
					Total	Elec- tric ities	Other	Total	Munic- pai elec- tric util- ities	Other	
United States.	130,336	44,022	85,007	1,307	117,772	115,078	2,694	12,564	5,688	6,876	
New England.	8,350	2,876	5,450	25	8,163	7,770	394	187	153	34	
Maine.	873	823	48		864	853	10	9	7	2	
New Hampshire.	729	609	119	7	726	726	(1)	3	3		
Vermont.	601	600	1	0	579	562	17	22	22		
Massachusetts.	3,428	580	2,829	19	3,311	3,075	236	117	102	15	
Rhode Island.	732	9	723	( <sup>1</sup> )	716	716		16		16	
Connecticut.	1,987	254	1,730	2	1,968	1,837	131	19	19		
Middle Atlantic.	32,970	7,335	25,579	56	32,640	31,496	1,144	330	246	85	
New York.	17,325	5,906	11,381	37	17,106	16,019	1,086	219	144	75	
New Jersey.	4,596	27	4,562	6	4,565	4,534	31	30	21	9	
Pennsylvania	11,050	1,402	9,635	13	10,969	10,943	26	81	80	1	
East North Central.	28,995	2,883	26,984	129	28,289	28,089	200	1,706	1,372	334	
Ohio.	8,339	22	8,305	13	7,874	7,789	85	465	464	2	
Indiana.	4,465	117	4,322	26	4,113	4,068	45	352	350	2	
Elinois.	8,200	187	7,988	25	7,948	7,931	17	253	157	96	
Michigan	6,010	1,303	4,671	36	5,499	5,496	4	511	285	225	
Wisconsin.	2,980	1,254	1,697	29	2,855	2,806	49	125	116	9	
West North Centrai.	7,860	1,865	5,496	498	6,816	6,596	220	1,043	967	77	
Minnesota	1,676	642	987	47	1,499	1,317	182	177	177		
Lowa.	2,109	791	1,197	120	1,957	1,923	34	152	144	8	
issouri	1,605	307	1,221	77	1,461	1,161		144	144		
North Dakota.	226		218	8	214	214		13	13		
South Dakota.	162	9	98	55	120	120		42	42	(1)	
Nebraska	804	100	624	81	623	622	(4)	182	113	69	
Kansas.	1,278	16	1,152	110	943	939	4	335	335		
South Atlantic.	15,190	5,562	9,520	108	14,646	14,219	427	544	441	103	
Delaware.	16		10	6	2	2		14	14		
Maryland	2,144	1,029	1,106	9	2,120	2,114	7	24	23	1	
Dist. of Columbia	1,116	13	1,104		1,104	1,104		13		13	
Virginia.	1,875	360	1,496	19	1,792	1,676	116	84	54	30	
West Virginia.	3,220	378	2,841	1	3,219	3,141	78	1	(1)	(1)	
North Carolina	2,489	1,322	1,153	13	2,389	2,187	203	99	88	11	
South Carolina	1,568	1,231	331	6	1,562	1,541	21	6	3	3	
Georgia.	1,612	1,197	412	3	1,558	1,558	1	54	15	39	
Florida.	1,150	32	1,067	51	899	897	2	251	243	8	
East South Central.	6,968	5,057	1,890	21	4,251	4,197	54	2,717	107	2,609	
Kentucky	913	399	512	3	872	871	(1)	42	41	1	
Tennessee.	2,044	1,460	582		839	836	3	1,205	28	1,177	
Alabama.	3,943	3,198	742	3	2,507	2,457	49	1,437	5	1,432	
Mississippi.	67		54	13	34	33		33	33	(1)	
West South central.	6,980	239	6,482	258	6,564	6,533	si	416	355	61	
Arkansas.	231	107	109	15	201	197		30	30		
Louisiana.	1,885		1,828	57	1,803	1,800	:	82	82		
OKlahoma.	1,112	1	1,030	80	1,015	1,012	3	97	97		
Texas.	3,752	131	3,515	106	3,545	3,525	20	207	147	61	
Mountain	7,493	6,017	1,307	169	4,386	4,262	124	3,106	148	2,958	
Montana.	1,575	1,550	19	6	1,573	1,572	1	2	(1)	2	
Idaho.	1,127	1,126	1	(1)	973	973	0	153	30	123	
Wyoming.	141	50	87	4	92	79	13	49	4	45	
Colorado.	760	216	527	18	634	640	44	76	70	6	
New Mexico.	282	2	252	28	273	273		8	8	0	
Arizona.	1,327	963	266	99	336	282	54	992	(4)	991	
Utah.	425	270	145	10	383	383		42	35	7	
Nevada.	1,855	1,841	11	3	71	59	11	1,784	0	1,784	
Pacific.	14,531	12,188	2,299	44	12,016	11,916	100	2,515	1,900	615	
Washington.	3,643	3,420	221	5	2,692	2,675	17	950	904	47	
Oregon	1,484	1,130	346	5	1,268	1,246	23	216	63	153	
California,	9,404	7,638	1,733	33	8,055	7,995	60	1,348	934	415	

: Less than 500,000.

Source: Federal Power Commission, Electric Power Statistics and supplement thereto.

## No. 449.— ELECTRIC LIGHT AND POWER INDUSTRY- SUMMARY: 1902 TO 1937

NOTE: Figures cover \_\_\_\_\_ engaged either in the generation and distribution of electric energy, or the distribution of electric energy to public or private consumers. Statistics do not include establishments which consume all current generated, such as manufacturing and mining companies, railroads, railways, hotels, and other enterprises not in the nature of public utilities, unless a portion of their generated output is sold commercially. Plants operated by the Federal Government or by States were not included unless energy was sold commercially. For Classification of reporting sources for 1937, see table 450

	1902	1912	1917	1922	1927	1932	1937
Number of reporting establishments, total.	3,620	5,221	6,542	6,355	4,335	3,429	3,501
Generating all or part of current..	(2)	4,646	5,124	4,389	2,331	1,788	1,812
Distributing or transmitting only.	(2)	575	1,418	1,966	2,004	1,641	1,689
Number of separate generating stations.	(2)	(2)	5,952	5,444	4,801	4,339	34,027
Prime movers, bp. thousands).	1,845	7,530	12,937	19,851	35,710	47,967	50,220
Steam engines.				1,371	994	649	712
Steam turbines.	1,394	3,895	6,792	12,355	24,323	32,904	33,177
Internal-combustion engines.	12	111	210	303	548	881	1,101
Eydoturbines and water wheels.	439	2,469	4,277	5,822	9,844	13,532	15,230
Generators, by type of prime mover, rated kilowatt capacity (thousands)	1,212	5,165	8,994	14,313	25,811	34,623	36,481
Steam engines.	(2)				697	453	521
Steam turbines.			6,209	9,963	17,848	24,033	24,600
Internal-combustion engines.					417	598	762
Hydoturbines and water wheels.	8	8	2,786	4,351	5,850	9,540	10,598
Output, kilowatt-hours (millions)	14,183	31,044	50,274	96,829	111,716	168,300	168,300
Reported as generated.	2,507	11,569	25,438	40,292	74,686	79,657	121,097
By steam.	(2)		(2)	(2)	45,391	45,375	74,230
By internal-combustion			(2)	(2)	577	715	1,089
By water.	8	8	(2)	(2)	28,718	33,567	45,779
Reported as purchased or received from other sources.		2,614	5,606	9,983	22,142	32,058	47,202
Number of customers (thousands).		3,838	7,179	12,710	21,790	23,862	27,219
Ultimate consumers.	(2)		(2)	(2)	21,786	23,858	27,216
Resale.	(2)	8	(2)	8	4	3	3
Revevue from elec. service (\$1,000)	584,187	5287,139	5502,060	1,020,439	1,802,655	1,975,304	2,356,513
Ultimate consumers.	(2)	255,061	444,535	945,428	1,667,046	1,821,106	2,177,517
Resale.		31,177	57,525	75,011	135,610	154,198	178,896
Kilowatt-hours sold (millions)		(2)	25,752	41,965	79,011	88,265	132,930
Ultimate consumers.	8		18,287	32,948	63,612	65,896	103,070
Resale.	(2)	8	7,465	9,017	15,399	22,369	29,859
Kilowatt-hours distributed for other purposes nonrevenue (millions).					17,817	23,451	35,370
Not reported sold.	8	8	8	8	5,342	9,759	17,456
Energy lost in transmission, distribution, conversion, etc.	(2)	(2)	(2)	7,135	12,476	13,692	17,914
Percent loss (based on total output).	(2)	(2)	(2)	14.2	12.9	12.3	10.6
Employees, number.	36,326	79,335	105,541	150,762	251,020	244,573	6281,335
Salaries and wages (1,000).	20,647	61,162	95,242	212,433	7367,632	8323,880	470,353
operating expenses (includes cost of fuel, purchased and interchanged power, maintenance and other operating expenses) (\$1,000).	(2)	(2)	(2)	553,068	7750,484	803,100	1,042,193
Value of electric utility plant (millions of dollars).	505	2,176	3,060	4,465	9,297	12,664	12,941
Fuel used for electric generation: 10							
Coal, anthracite (1,000 short tons)-	(2)		2,442	1,835	2,002	1,559	2,024
Coal, bituminous (1,000 short tons).			19,385	24,492	35,681	25,998	40,469
Coke (1,000 short tons).	8		63	37	32	153	88
Fuel oil (1,000 bbls. 42 gals.).			5 6,158	11,856	7,146	7,868	13,896
Gasoline (1,000 bbls. 42 gals.)	8						3
Gas, manufactured (1,000,000 cubic feet)			14,199		2 6,161	1,936	4,878
Gas, natural (1,000,000 cubic feet)-	8	8		20,174	59,362	96,365	159,453

1 The term "establishment" as here used may represent a single electric station (either generating or distributing or both) or a number of such stations operated under the same ownership. Not available.

3 Comprises 1,112 stations operated steam; 1,283 by internal-combustion; 1,426 by water; and 206 composite stations having more than one type of prime mover.

4 Comprises generated output and energy purchased and received from other sources. Since the energy "Received from other sources" in 2 large part, purchased from other electric light and power companies, a considerable duplication of involved as such energy, would also be included in the "Generated."

Includes "Estimated value of free service." 6 Number on June 30.

8 Reported by commercial establishments only. No data for municipal establishments.

to electric operating service.

Includes value of plant and equipment, \$902,000,000, owned by companies engaged in the operation of electric light and power plants and other public utilities, not distributed among the several utilities.

10 In addition, hogged fuel, sawmill, and other waste were reported.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Electric Light and Power Industry.

**No. 450. ELECTRIC LIGHT AND POWER INDUSTRY GENERATING FACILITIES, ENERGY GENERATED, AND FUEL CONSUMED, BY REPORTING SOURCES: 1937**

NOTE.—The system of classification reporting sources, as shown in this table, is a new one recently adopted by the Bureau of the Census in collaboration with the Federal Power Commission. This classification differs slightly from that employed by the Federal Power Commission. (See headnote, table 443.) The differences in the figures are due mainly, (1) to the inclusion in the census survey of data for certain small concerns not canvassed by the Federal Power Commission, and (2) to the inclusion in the Federal Power Commission survey of data for a larger proportion of the energy output of certain concerns grouped under "Other sources" than is accounted for in the census survey.

	All sources	Privately owned electric utilities	Municipally owned electric utilities	Cooperatives, power districts, etc.	Federal and State	Other sources!
Number of reporting establishments, companies or systems.	3,501	1,340	1,860	181	25	95
Number generating all or part current.	1,812	818	885	16	18	75
Number reporting distribution and transmission only.	1,689	522	975	165	7	20
Number of generating stations.	4,027	2,916	963	27	28	93
Steam.	1,112	813	257	2	5	35
Internal-combustion.	1,283	748	523	4	2	6
Water.	1,426	1,226	120	21	21	38
Composite 2	206	129	63			14
Generators by type of prime mover:						
Total number.	10,721	7,543	2,753	66	72	287
Total kilowatt capacity (thousands).	36,481	32,193	2,499	147	859	783
Steam engines:						
Number.	861	528	292	31	2	38
Kilowatt capacity (thousands)	521	417	91	2	(4)	11
Steam turbines:						
Number.	2,725	2,060	562	31	8	94
Kilowatt capacity (thousands).	24,600	22,824	1,401	1	65	308
Internal-combustion:						
Number.	3,490	1,835	1,622		4	21
Kilowatt capacity (thousands)	762	381	374	2	2	3
Hydro turbines and water wheels:						
Number.	3,645	3,120	277	56	58	134
Kilowatt capacity (thousands)	10,598	8,570	634	142	791	460
Generated output (millions of kilowatt-hours).	121,097	108,920	6,254	766	1,954	3,204
By steam.	74,230	70,716	2,675		( )	838
By internal-combustion.	1,089	396	678	6	3	5
By water power.	45,779	38,807	1,900	760	1,951	2,361
Fuel used for electric power:						
Coal, anthracite (thousands of tons of 2,000 pounds).	2,024	1,930	93			1
Coal, bituminous (thousands of tons of 2,000 pounds).	40,469	37,816	2,128		1	524
Coke (thousands of tons of 2,000 pounds).	88	85	4			
Fuel oil (thousands of barrels of 42 gallons).	713,899	11,275	2,590	13	7	14
Gas, natural 1,000,000 cubic (ect)	159,453	146,823	12,630			

1 Includes statistics for privately owned concerns (manufacturing and mining companies, railways, and railroads) and publicly owned ones (United States national parks, State colleges, and certain municipal plants).

Reported as idle equipment.

In addition, the following kinds of fuel were used: sawmill, and other waste.

2 Less than 500.

3 Less than 500,000.

4 Includes 3,000 barrels of gasline.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Electric Light and Power Industry.

**No. 451.—SALES OF ELECTRIC ENERGY NUMBER OF CUSTOMERS, ENERGY SOLD, AND REVENUE FROM ELECTRIC SERVICE: 1937**

CLASS OF SERVICE	Number customers	ENERGY SOLD		REVENUE FROM ELECTRIC SERVICE		
		Kilowatt-hours (millions)	Average Kilowatt-hours per customer	Amount (thousands of dollars)	Average per customer (dollars)	Average per kilowatt-hour (cents)
Totalsales.	27,219,362	132,930	4,884	2,356,513	87	1.8
Sales to ultimate consumers, total.	27,216,336	103,070	3,787	2,177,617	80	2.1
Residential or domestic sales:						
Farm.	615,136	667	1,084	24,830	40	3.7
Nonfarm.	21,589,895	16,815	779	726,363	34	4.3
Rural—distinct rural rates only:						
Farm.	538,283	981	1,822	31,140	58	3.2
Nonfarm.	169,382	306	1,809	10,454	62	3.4
Commercial and industrial sales:						
Farm.	61,984	1,024	16,513	15,197	245	1.5
Nonfarm.	4,144,195	69,911	16,870	1,189,869	287	1.7
Public street and highway lighting.	23,182	2,036	87,812	73,859	3,186	3.6
Other sales to public authorities.	69,458	2,416	34,780	37,269	537	1.5

No. 451. -SALES OF ELECTRIC ENERGY NUMBER OF CUSTOMERS, ENERGY SOLD, AND REVENUE FROM ELECTRIC SERVICE: 1937- - Continued

CLASS OF SERVICE	Number of customers	ENERGY SOLD		REVENUE FROM ELECTRIC SERVICE		
		Kilowatt-hours (millions)	Average kilowatt-hours per customer	Amount (thousands of dollars)	Average per customer (dollars)	Average per kilowatt-hour (cents)
Sales to ultimate consumers-Con.						
Sales to railroads and railways:						
Street and interurban railways.	374	4,888	13,069,273	42,473	113,564	0.9
Electrified steam-railroad divisions.	102	1,558	15,279,160	14,043	137,677	.9
Interdepartmental	1,627	2,272	1,396,561	10,194	6,265	.4
Other sales to ultimate consumers.	2,718	197	72,357	1,917	705	1.0
Sales for resale, total.	3,026	29,859	9,867,519	178,886	58,120	.6
Sales to other electric utilities:						
Municipal distribution systems.	1,110	2,447	2,204,443	18,326	16,510	.7
Mutual or cooperative undertakings.	196	71	361,660	479	2,443	.7
Other electric companies.	1,675	27,282	16,287,780	159,665	95,322	.6
Other sales for resale.	45	59	1,316,967	426	9,466	.7

No. 452. SALES TO ULTIMATE CONSUMERS NUMBER OF CUSTOMERS, ENERGY SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY CLASS OF SERVICE, PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES: 1937

CLASS OF SERVICE	TOTAL		PRI-VATELY OWNED ELECTRIC UTILITIES		MUNICI-PALLY OWNED ELECTRIC UTILITIES	
	Number of customers		Energy sold (thousands of kilowatt-hours)			
Total.	27,088,582	43,724	3,656,968	195,419	3,524,014	5,674,399
Residential or domestic sales:						
Farm.	588,292	556,244	32,048	628,036	603,286	24,751
Nonfarm.	21,540,429	19,365,677	2,174,752	16,769,276	14,921,016	1,848,260
Rural-distinct rural rates only:						
Farm.	505,069	478,011	27,058	959,318	938,650	20,668
Nonfarm.	168,086	155,586	12,500	302,567	287,311	15,246
Commercial and industrial sales:						
Farm.	60,529	59,127	1,402	936,575	923,616	12,959
Nonfarm.	4,130,812	3,731,207	399,605	68,724,014	266,609,766	3,114,249
Public street and highway lighting.	23,033	20,736	2,297	1,853,000	1,582,911	270,089
Other sales to public authorities.	69,262	63,700	5,562	2,370,686	2,202,021	168,665
Sales to railroads and railways:						
Street and interurban railways.	469	324	71	6,185,718	4,748,354	44,848
Electrified steam-railroad divisions.		74			1,392,515	
Interdepartmental.	1,410	205	1,205	336,381	194,767	141,615
Other sales to ultimate consumers.	2,291	1,833	458	132,851	119,800	13,050
	Revenue from electric service (thousands of dollars)		Revenue per kilowatt-hour (cents)			
Total.	2,156,478	2,006,933	148,545	2.2	2.1	2.6
Residential or domestic sales:						
Farm.	23,826	22,736	1,090	3.8	3.8	4.4
Nonfarm.	724,858	654,787	70,071	4.3	4.4	3.8
Rural-distinct rural rates only:						
Farm.	30,299	29,274	1,025	3.2	3.1	5.0
Nonfarm.	10,375	9,698	677	3.4	3.4	4.4
Commercial and industrial sales:						
Farm.	14,366	14,096	269	1.5	1.5	2.1
Nonfarm.	1,184,380	1,120,173	64,207	1.7	1.7	2.1
Public street and highway lighting.	72,511	65,537	5,974	3.9	4.1	2.6
Other sales to public authorities.	36,991	34,260	2,731	1.6	1.6	1.6
Sales to railroads and railways:						
Street and interurban railways.	53,576	40,045	513	1.9	.97	1.1
Electrified steam-railroad divisions.						
Interdepartmental.	3,956	2,127	1,829	1.2	1.1	1.3
Other sales to ultimate consumers.	1,340	1,183	157	1.0	1.0	1.2

Source of tables 451 and 452: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Electric Light and Power Industry.

No. 453.—GENERATOR CAPACITY AND ENERGY GENERATED, ALL PLANTS, AND ENERGY GENERATED, PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES, BY STATES: 1937

DIVISION AND STATE	RATED GENERATOR CAPACITY (THOUSANDS OF KILOWATTS)				ENERGY GENERATED (MILLIONS OF KILO- WATT-HOURS)				
	Total	Fuel	Hydro	Total	Privately owned and municipally owned				
					Total	Pri- vately owned	Muni- cipally owned		
	1932	1937	1937	1937	1932	1937	1937	1937	1937
United States.	34,623	36,481	25,883	10,598	79,657	121,097	115,173	108,920	5,254
New England.	2,639	2,753	1,836	917	5,330	7,577	7,337	7,202	135
Maine.	265	260	57	202	762	1,033	847	845	2
New Hampshire.	283	299	62	237	681	760	760	757	3
Vermont and Rhode Is- land 1	432	405	239	165	811	1,293	1,264	1,245	20
Massachusetts.	1,156	1,210	992	218	2,158	2,852	2,828	2,735	92
Connecticut.	503	579	485	94	918	1,639	1,638	1,621	18
Middle Atlantic.	8,271	8,838	1,328	1,510	20,341	29,776	29,354	29,142	213
New York.	4,578	4,837	3,723	1,114	10,977	15,583	15,238	15,108	129
New Jersey.	1,062	1,067	1,064	2	2,991	3,708	3,681	3,664	17
Pennsylvania	2,631	2,934	2,540	394	6,374	10,486	10,436	10,369	67
East North Central.	8,247	8,289	7,594	695	18,106	28,592	28,138	26,946	1,192
Ohio.	2,146	2,179	2,167	12	4,869	8,070	8,070	7,644	426
Indiana.	988	1,038	1,003	35	2,423	3,737	3,736	3,449	287
Illinois.	2,606	2,397	2,350	47	5,447	8,060	7,863	7,740	123
Michigan.	1,657	1,754	1,395	359	3,533	6,028	5,774	5,516	258
Wisconsin	850	920	679	241	1,835	2,697	2,696	2,597	99
West North Central.	2,615	2,728	2,389	439	5,358	7,555	1,545	6,736	809
Minnesota.	477	516	391	125	995	1,481	1,481	1,344	136
Iowa.	600	608	475	133	1,483	1,887	1,879	1,761	118
Missouri	717	766	609	157	1,214	1,871	1,871	1,749	121
North Dakota.	70	73	73		140	201	201	191	9
South Dakota.	67	77	72	5	87	145	145	110	34
Nebraska.	252	270	257	12	562	704	703	601	103
Kansas.	431	419	412	7	876	1,266	1,266	979	287
South Atlantic	4,291	4,448	2,432	2,016	9,459	15,080	13,655	13,284	371
Delaware, Maryland, and District of Columbia 1--.	857	845	573	271	2,232	2,966	2,966	2,934	32
Virginia.	409	439	342	97	962	1,639	1,610	1,563	47
West Virginia.	539	639	538	101	1,442	2,834	2,829	2,829	(2)
North Carolina.	1,005	992	340	653	1,651	3,216	1,875	1,805	70
South Carolina	643	676	138	538	1,295	1,752	1,723	1,716	7
Georgia.	475	484	142	341	1,269	1,759	1,736	1,724	13
Florida.	363	373	359	14	607	915	915	714	201
East South Central.	1,480	1,858	756	1,102	2,994	5,585	4,594	4,492	102
Kentucky	340	343	238	105	682	895	892	858	34
Tennessee.	426	526	208	318	1,050	1,841	1,266	1,241	25
Alabama	649	923	244	679	1,210	2,772	2,359	2,347	12
Mississippi	66	65	65		52	78	78	46	32
West South Central.	1,792	1,791	1,690	102	4,308	6,464	6,391	6,096	294
Arkansas.	153	161	95	67	155	279	262	238	25
Louisiana	329	328	328		1,172	1,731	1,688	1,622	66
Oklahoma	343	336	335	2	725	1,108	1,105	1,025	80
Texas.	968	966	933	33	2,256	3,346	3,335	3,211	124
Mountain.	1,157	1,663	501	1,162	2,347	5,782	4,001	3,879	122
Montana.	318	278	12	266	636	1,319	1,318	1,317	
Idaho.	208	260	5	255	473	974	876	854	21
Wyoming.	36	63	47	16	75	162	79		
Colorado.	221	228	163	65	437	682	676	666	64
Arizona and New Mexico 1--	223	306	177	128	413	904	493	489	
Utah.	137	160	69	92	276	520	515	484	34
Nevada.	13	368	28	340	38	1,223	45		
Pacific.	4,129	4,113	1,457	2,657	11,415	14,686	14,158	12,145	(1)
Washington	883	1,006	205	801	2,545	3,693	3,665	2,855	2,016
Oregon.	382	371	181	190	960	1,393	1,374	1,317	
California	2,864	2,736	1,071	1,666	7,901	9,599	9,119	7,970	1,153

1 Combined to avoid disclosing the operations of individual establishments.  
2 Less than 500,000.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Electric Light and Power Industry.

No. 454.- ELECTRIC LIGHT AND POWER INDUSTRY-OUTPUT, SALES, REVENUE,  
AND CUSTOMERS: 1926 TO 1939

	1926	1930	1935	1937	1938	1939
Current generated million kilowatt-hours.	67,990.	88,592	92,611	115,166	109,691	122,463
Sales to ultimate consumers. do.	56,089	74,906	77,596	99,446	93,894	106,087
Farm service.	723	1,789	1,692	2,389	2,528	3,320
Residential service.	6,727	10,702	13,496	16,875	18,461	19,740
Commercial service.	41,477	54,092	54,453	71,104	63,216	73,009
All other.	7,1631	8,323	7,9551	9,077	9,689	10,018
Revenue from ultimate consumers. 1,000 dollars.	1,520,159/	1,090,955/	911,982/	1,180,788/2,	1,168,495/2,	1,293,644
Farm service.	21,637	46,690	48,405	67,947	75,946	94,000
Residential service.	469,272	642,276	673,526	740,219	718,003	795,584
Commercial service.	903,594	1,142,066	1,050,320	1,219,897	1,155,228	1,242,678
All other.	125,655	159,924	139,739	152,724	159,318	161,382
Customers on December 31st. thousands.	20,295	24,556	26,313	27,164	27,851	29,204
Farm.	309	650	789	1,242	1,407	1,786
Residential	16,5161	19,880	20,446	21,698	22,110	22,813
Commercial.	3,437	3,972	4,015	4,151	4,231	4,400
All other.	33	53	62	74	103	165

Source: Edison Electric Institute, New York, N. Y., annual statistical bulletin.

No. 455. AVERAGE TYPICAL BILLS FOR SPECIFIED QUANTITIES OF ELECTRIC  
ENERGY IN CITIES OF 50,000 POPULATION OR MORE: 1924 TO 1940

NOTE. The 25, 100, and 250 kilowatt-hour consumptions were chosen to represent the typical usage, respectively, of residential consumers who use electricity for lighting and the operation of small appliances only; for lighting, small appliances, and refrigeration; and for lighting, small appliances, refrigeration, and cooking.

DATE	AVERAGE BILL IN DOLLARS FOR			AVERAGE BILL IN CENTS PER KILOWATT-HOUR FOR-			INDEX OF AVERAGE BILL (JAN. 1, 1935=100) FOR		
	25kw.- hrs.	100kw.- hrs.	250kw.- hrs.	25kw.- hrs.	100kw.- hrs.	250kw.- hrs.	25kw.- hrs.	100kw.- hrs.	250kw.- hrs.
Oct. 1, 19241-	1.92	6.18	13.36	7.7	6.2	5.3	122.3	138.9	149.1
Oct. 1, 1925	1.88	6.00	12.95	7.5	6.0	5.2	119.7	134.8	144.5
Oct. 1, 1926	1.86	5.85	12.57	7.4	5.9	5.0	118.5	131.5	140.3
Oct. 1, 1927	1.81	5.58	11.94	7.2	5.6	4.8	115.3	125.4	133.3
Oct. 1, 1928	1.76	5.34	11.25	7.0	5.3	4.5	112.1	120.0	125.6
Oct. 1, 1929	1.73	5.13	10.69	6.9	5.1	4.3	110.2	115.3	119.3
Oct. 1, 1930	1.70	4.98	10.38	6.8	5.6	4.2	108.3	111.9	115.8
Oct. 1, 1931	1.69	4.72	9.58	6.8	4.7	3.8	107.6	106.1	106.9
Oct. 1, 1932	1.67	4.65	9.42	6.7	4.7	3.8	106.4	104.5	105.1
Oct. 1, 1933	1.63	4.58	9.26	6.5	4.6	3.7	103.8	102.9	103.3
Oct. 1, 1934	1.58	4.47	8.98	6.3	4.5	3.6	100.0	100.4	100.2
Jan. 1, 1935	1.57	4.45	8.96	6.3	4.5	3.6	100.0	100.0	100.0
Jan. 1, 1935	1.60	4.47	8.90	6.3	4.5	3.6	100.0	100.0	100.0
Jan. 1, 1936	1.53	4.21	7.85	6.1	4.2	3.1	95.6	94.2	88.2
Jan. 1, 1937	1.45	4.10	7.51	5.8	4.1	3.0	90.6	87.7	84.4
Jan. 1, 1938	1.43	4.03	7.34	5.7	4.0	2.9	89.4	86.6	82.5
Jan. 1, 1939	1.40	3.96	7.21	5.6	4.0	2.9	87.5	84.6	81.0
Jan. 1, 1940	1.36	3.88	7.05	5.4	3.9	2.8	85.0	82.6	79.2

Average bills are for selected group of 150 cities.

: Average bills are for cities of 50,000 population or more. Index numbers are adjusted to be comparable with earlier years.

Source: Federal Power Commission, reports on rates



No. 456.-NET MONTHLY BILL FOR SPECIFIED QUANTITIDS OF ELECTRIC ENERGY, BASED ON RATES AS OF DEC. 15, 1938 AND 1939, BY CITIES

[P-Private utilityM-Municipalplant; prices are based on average consumption for a 5-room house]

		DEC.15,1938			DEC.15,1939		
		Lighting and small energy- consuming appliances	Lighting, small appliances, and refrig- erator	Lighting, small appliances, refrigerator, and range	Lighting and small energy- consuming appliances	Lighting, small appliances, and refrig- erator	Lighting, small appliances, retrigerator, and range
		25kw.-hrs.	100kw.-hrs.	250kw.-hrs.	25 kw.-hrs.	100kw.-hrs.	250kw.-hrs.
Atlanta:							
Immediate.	P	\$1.45	\$3.95	\$6.57	\$1.45	\$3.95	\$6.57
Inducement	PI	1.22	3.85	6.57	1.22	3.50	6.12
Baltimore.	Pi	1.13	3.90	B.20	1.06	3.78	7.68
Birmingham	PI	.98	3.20	6.95	.81	2.75	6.13
Boston.	PI	1.55	5.10	8.60	1.55	5.10	9.60
Bridgeport.	P	1.31	4.03	7.28	1.31	4.03	7.28
Buffalo.	P	1.13	3.06	5.31	1.13	3.06	5.31
Butte.	PI	1.55	4.43	7.93	1.50	4.25	7.75
Charleston, S. C.	P	1.50	4.20	6.82	1.45	3.93	6.67
Chicago.	P	1.34	3.65	6.65	1.34	3.65	6.65
Cincinnati.	P	1.00	2.50	4.75	1.00	2.50	4.75
Cleveland.	P	1.00	3.75	7.25	1.00	3.75	7.25
	M	.85	2.80	5.55	.80	2.65	5.40
Columbus.	Pi	1.25	4.50	8.50	(2)	(2)	(2)
	MI	1.00	3.80	8.30	1.00	3.80	8.30
Dallas.	PI	1.06	3.91	7.51	1.06	3.91	7.51
Denver3	PI	1.53	4.90	9.49	1.28	4.49	8.47
Detroit45	P	1.39	3.48	6.95	1.39	3.48	6.95
Fall River.	P	1.58	4.98	9.13	1.58	4.98	9.13
Houston.	P	1.20	3.83	7.08	1.01	3.58	6.83
Indianapolis.	PI	1.38	4.00	7.10	1.25	3.85	6.95
Jacksonville.	M	1.50	4.60	7.60	1.50	4.60	7.60
Kansas City 3	Pi	1.28	3.83	7.65	1.28	3.83	7.65
Little Rock3.	P	1.79	5.10	8.67	1.51	4.18	8.26
Los Angeles.	M	1.10	2.97	5.10	1.10	2.97	5.10
Louisville4	P	1.03	3.61	6.70	1.03	3.61	6.70
Manchester	P	2.00	5.00	8.00	2.00	5.00	8.00
Memphis6		.86	2.88	5.75	.86	2.88	5.75
Milwaukee.	P	1.41	3.35	6.23	1.41	3.35	6.23
Minneapolis.	PI	1.19	3.56	6.65	1.19	3.56	6.65
Mobile:							
Present.	P	1.45	3.95	6.58			
Objective 1-	P	1.20	3.50	6.13	1.20	3.50	6.13
Newark.	P	1.81	4.39	8.64	1.81	4.39	8.64
New Haven.	-PI	1.31	4.03	7.28	1.31	4.03	7.28
New Orleans.	P	1.58	4.80	8.50	1.50	4.40	8.10
New York4							
Bronx.	P	1.71	4.86	8.24	1.71	4.86	8.24
Brooklyn.	P	1.71	4.86	8.24	1.71	4.86	8.24
Manhattan	PI	1.71	4.86	8.24	1.71	4.86	8.24
Queens.	PI	1.71	4.86	8.24	1.71	4.86	8.24
	P	1.97	6.14	10.77	1.61	4.81	8.93
Richmond.	Pi	1.75	5.05	8.14	1.75	5.05	8.14
Norfolk.	P	1.25	4.63	7.63	1.25	4.25	7.50
Omaha.	P	1.19	3.88	7.78	1.02	3.64	7.42
Peoria.	P	1.25	3.34	6.09	1.25	3.34	6.09
Philadelphia	PI	31.43	33.84	36.90	1.40	3.63	6.18
Pittsburgh.	P	1.25	4.00	7.50	1.25	4.00	7.50
Portland, Maine.	P	1.85	4.70	7.70	1.85	4.70	7.70
Portland, Oreg.7-	P	1.25	3.37	6.07	1.25	3.37	6.07
Providence.	PI	1.76	5.50	9.50	1.64	5.00	9.25
Richmond.	P	1.25	4.63	7.63	1.25	4.25	7.50
Rochester.	PI	1.59	4.41	7.83	1.59	4.41	7.83
St. Louis35	P	1.21	3.20	6.35	1.21	3.20	6.35
		1.09	2.91	5.81	1.09	2.91	5.81
St. Paul.	P	1.25	3.75	7.00	1.25	3.75	7.00
Salt Lake City3	PI	1.63	3.83	7.14	1.38	3.83	7.14
San Francisco.	P	1.30	3.09	5.89	1.23	2.99	5.79
Savannah.	P	1.62	4.57	7.97	1.45	4.20	6.95
Scranton.	P	1.25	3.85	7.10	1.25	3.85	7.10
Seattle.	PI	1.25	3.20	6.08	1.13	3.00	5.63
	ME	1.25	3.20	6.10	1.13	3.00	5.63
Springfield, Ill.	PI	1.25	3.02	5.22	1.25	3.02	5.22
	M	1.25	3.02	4.80	1.25	3.02	4.80
Washington	P	.98	2.85	5.10	.98	2.71	5.01

Rate designed to encourage greater use of electricity. 2Data not available.  
Includes 2-percent sales tax. + Includes 3-percent sales tax. 5Includes free lamp-renewal service.  
Private utility taken over by municipal company June 27, 1939.  
Reports from 2 companies with identical rates.

## No. 457. WATER POWER, DEVELOPED AND POTENTIAL: 1921 TO 1940

NOTE. - In thousands of horsepower. Data for developed water power cover capacity of actual installation of water wheels and turbines in plants of 100 horsepower or more. Potential power figures are 1936 revised estimates showing the 24-hour horsepower available 90 percent of the time and 50 percent of the time at an over-all efficiency of 70 percent at all developed and undeveloped sites. Data for potential power not directly comparable with those for developed power, because developed power is usually given in terms of the capacity of installed water wheels or turbines, which may be several times the potential power available 90 percent of the time. Probably with complete development of the water-power resources of the whole country the installed capacity would amount to 50,000,000 horsepower or more.

DIVISION AND STATE	DEVELOPED WATER POWER (CAPACITY OF ACTUAL INSTALLATION)							POTENTIAL WATER POWER AVAILABLE-	
	November 1921	March 1925	January 1930	January 1935	January 1938	January 1939	January 1940	90per- cent of the time	50per- cent of the time
Continental U.S.	7,927	10,048	13,808	16,075	17,265	17,949	18,500	42,753	57,184
New England.	1,311	1,399	1,643	2,006	2,004	2,005	1,971	988	1,641
Maine.	450	477	541	616	593	603	612	524	806
New Hampshire.	229	243	278	575	477	475	486	167	293
Vermont.	130	168	260	192	274	287	270	115	193
Massachusetts.	338	344	362	422	441	439	393	125	211
Rhode Island.	30	30	30	29	28	28	28	5	13
Connecticut.	134	136	172	173	191	173	182	52	125
Middle Atlantic.	1,479	1,958	2,113	2,465	2,436	2,426	2,432	4,895	6,242
New York.	1,292	1,714	1,805	1,885	1,858	1,847	1,850	4,296	5,184
New Jersey.	17	19	18	17	16	16	17	32	60
Pennsylvania.	170	226	291	563	562	563	565	567	998
East North Central.	739	885	1,075	1,189	1,180	1,224	1,219	869	1,640
Ohio.	29	30	30	23	23	26	25	31	77
Indiana.	27	51	55	55	53	53	53	60	159
Illinois.	85	87	95	88	85	89	93	214	197
Michigan.	267	305	379	477	515	527	535	270	400
Wisconsin.	331	413	517	546	503	529	513	294	507
West North Central.	444	515	551	750	840	833	870	1,172	1,884
Minnesota.	205	263	287	272	268	265	263	210	388
Iowa.	173	177	181	183	178	179	207	96	
Missouri.	18	20	23	235	236	236	247	420	838
North Dakota.	(1)	(1)	0	0				61	69
South Dakota.	18	19	19	20	20	20	19	211	278
Nebraska.	15	21	24	24	124	120	120	101	138
Kansas.	15	14	16	16	14	13	13	73	103
South Atlantic.	1,082	1,594	2,667	3,173	3,224	3,271	3,407	2,936	4,058
Delaware.	3	3	1	1	1	1	1	2	5
Maryland.			416	404	404	405	405	200	286
Dist. of Columbia.	7	7	6	6	6	6	6		
Virginia.	104	118	126	154	151	169	278	463	649
West Virginia.	15	15	89	227	272	301	308	563	785
North Carolina.	330	535	947	980	947	948	954	582	818
South Carolina.	330	507	574	811	837	836	838	477	752
Georgia.	286	400	473	569	584	583	595	622	729
Florida.	7	9	25	20	22	22	22	27	34
East South Central.	241	392	1,169	1,303	1,608	1,717	1,885	2,620	3,761
Kentucky.	1	1	145	145	141	154	151	336	543
Tennessee.	127	166	179	291	423	519	588	1,280	1,800
Alabama.	113	224	845	867	1,044	1,044	1,145	880	1,280
Mississippi.								124	138
West South Central.	16	31	49	150	150	197	198	764	967
Arkansas.	1	16	16	95	95	95	95	388	518
Louisiana.								70	74
Oklahoma.	2	2	3	2	2	2	3	126	175
Texas.	13	14	31	53	53	100	100	180	200
Mountain.	827	937	1,185	1,190	1,758	2,084	2,357	10,775	13,031
Montana.	344	360	419	428	431	511	507	1,306	1,853
Idaho.	224	299	358	342	364	388	390	2,706	3,688
Wyoming.	8	8	19	23	24	24	70	571	838
Colorado.	92	91	98	102	105	110	111	647	851
New Mexico..	1		2	2	2	2	1	56	124
Arizona.	39	46	120	137	195	195	427	3,710	3,810
Utah.	106	115	156	144	156	142	142	1,500	1,590
Nevada.	13	14	14	13	481	712	709	279	
Pacific.	1,789	2,336	3,365	3,851	4,065	4,192	4,161	17,734	23,960
Washington	454	561	766	1,037	1,254	1,258	1,213	8,768	12,021
Oregon.	185	244	299	363	367	493	515	4,361	5,956
California.	1,149	1,531	2,301	2,450	2,444	2,441	2,433	4,605	5,983
Outlying areas:									
Alaska.		40	36			48	48	1,000	2,500
Hawaii.		25	332			32	32	19	28
Puerto Rico.		15	(2)	8	8	38	43	72	174

1 Less than 500.

2 Not available.

3 Capacity in 1928.

Source: Figures for 1937 and prior years, Department of Interior, Geological Survey. Figures for 1938, 1939, and 1940, Federal Power Commission report on Total Installed Capacity of Water Wheels in the United States and Outlying Territories.

## 19. PUBLIC ROADS AND MOTOR VEHICLES

### No. 458. RURAL ROADS MILEAGE, FUNDS AVAILABLE, AND DISBURSEMENTS, 1921 TO 1939, AND CONSTRUCTION UNDER FEDERAL AID, 1930 TO 1939

NOTE.—Figures cover continental United States, except as noted, and refer to calendar years for most States. Mileage data included for 1921 and 1926 were obtained from county records; figures for 1929 and 1930 include some estimates. No data available for county and township roads after 1930, except for those under State control.

ITEM	1921	1926	1929	1930
ALL RURAL ROADS				
Total mileage at end of year.	2,941,294	3,000,180	3,024,233	3,009,066
Earth roads.	2,553,534	2,450,126	2,361,798	2,315,507
Surfaced roads—	387,760	550,064	662,435	693,559
Low type.	340,583	467,077	549,981	567,851
High type.	247,177	82,987	112,454	125,708
Total mileage built during year.	110,976	116,413	78,003	87,717
Earth roads (graded and drained)	369,804	60,059	23,128	24,370
Surfaced roads—	41,172	56,354	54,875	63,347
Low type	33,083	46,746	42,548	48,397
High type	68,089	9,608	12,327	14,950
Funds available for rural road purposes, all authorities (1,000 dollars)	1,109,896	1,640,451	2,042,400	2,302,646
Motor vehicle fees, gasoline taxes.	119,915	436,449	687,730	862,933
Other taxes and appropriations.	415,747	491,194	560,908	537,951
Proceeds of bonds.	434,573	272,422	271,864	316,973
Federal aid	77,457	79,163	77,573	92,463
All other sources.	762,205	361,224	444,324	492,326
Disbursements for rural roads and bridges, all roads, by all authorities (1,000 dollars).	1,027,493	1,276,698	1,615,519	1,885,851
Highway purposes—				
Construction.	622,172	621,893	813,982	1,009,712
Maintenance.	250,559	338,853	433,538	475,912
Other expenditures.	121,372	203,002	197,148	194,869
All other disbursements.	33,389	112,950	170,850	205,357

ITEM	1930	1935	1936	1937	1938	1939
Total mileage of State highway systems at end of year <sup>9</sup>	324,496	1,033,867	1,034,160	1,027,152	1,032,852	(11)
Earth roads.	98,275	52,060	51,057	41,061	34,002	(11)
Surfaced roads.	226,221	279,807	289,103	286,091	292,850	(11)
Low type	142,109	168,282	175,408	169,327	173,369	(11)
High type	84,112	111,525	113,695	116,764	119,481	(11)
Total mileage of State highway systems built during year.	35,277	1,023,515	1,026,856	1,024,694	1,025,467	(11)
Earth roads (graded and drained)—	7,813	2,812	2,971	1,489	1,045	(11)
Surfaced roads—	27,464	20,703	23,885	23,205	24,422	(11)
Low type	16,677	17,562	19,626	17,471	19,341	(11)
High type	10,787	3,141	4,259	5,734	5,081	(11)
Funds available to State highway departments (1,000 dollars).	1,423,164	1,205,945	1,505,768	1,579,810	1,513,544	1,532,689
Disbursements by State highway departments, including Federal aid (1,000 dollars).	1,139,677	848,355	1,131,151	1,166,706	1,135,122	1,126,929
Highway construction under Federal aid, status at end of year: 13						
Projects under construction:						
Miles.	9,089	3,116	4,520	4,921	5,811	4,767
Total cost (1,000 dollars).	233,397	66,111	127,764	156,297	187,949	160,063
Federal aid (1,000 dollars).	99,573	34,416	65,664	77,847	92,265	77,261
Projects approved for construction:						
Miles.	2,875	1,415	2,062	2,320	2,367	2,724
Total cost (1,000 dollars).	60,394	38,410	56,198	73,905	64,631	70,915
Federal aid (1,000 dollars).	25,531	19,235	29,059	34,509	31,510	34,584
Federal-aid fund available for new projects (1,000 dollars).	144,726	65,543	79,992	81,738	80,843	80,799

<sup>1</sup> Low-type includes soil-surfaced, gravel or stone, bituminous surface-treated, and mixed bituminous surfaces; high-type includes bituminous penetration, bituminous concrete and sheet asphalt, Portland cement concrete, brick, block, and dual-type surfaces, and unclassified surfacing on bridges.

Includes 11,303 miles of unclassified roads.

Includes mileage partially graded and drained.

Includes original and reconstructed surfacing. : Includes 368 miles of unclassified roads.

Excludes funds transferred.

<sup>7</sup> Excludes balance on hand at beginning of year; not reported in 1921.

For road and bridge purposes under supervision of State highway department only.

Includes an undetermined amount of municipal street mileage on State highway systems or connecting these systems. Beginning with 1935 such mileage is included, however, for only a few States.

Figures prior to 1935 also include mileage of secondary road systems under State control for a number of States.

<sup>10</sup> Primary systems only. See also note <sup>9</sup>.

<sup>11</sup> Not yet available.

Includes funds transferred to or from local units.

<sup>E</sup> Includes data for Puerto Rico beginning 1937 and for Hawaii except in 1926 figures for projects approved for construction. For 1939 figures for emergency road construction and grade-crossing projects, see table 462.

Source: Federal Works Agency, Public Roads Administration; annual statements on status of highways; and records.

No. 459. STATE-HIGHWAY SYSTEMS MILEAGE OF RURAL ROADS AND OF URBAN EXTENSIONS AS OF DEC. 31, 1938, AND RURAL MILEAGE SURFACED, 1937 AND 1938

DIVISION AND STATE	EXISTING MILEAGE, END OF 1938						MILEAGE SURFACED ON PRIMARY SYSTEMS (RURAL) DURING:		
	Rural roads		Primary systems of rural State highways		Surfaced roads				
	Total	Urban extensions	Total	Non-surfaced roads	Total	Low type	High type	1937,	
								total	On earth roads
Continental U.S.	545,084	326,852	34,002	292,850	173,369	119,481	23,205	24,422	6,266
New England.	19,655	11,058	193	10,865	5,920	4,945	289	249	76
Maine.	18,771	2,748	109	2,639	1,924	715	99	81	16
New Hampshire.	13,584	1,426		1,426	973	453	19	33	4
Vermont.	1,848	1,700		1,700	1,336	364	63	62	5
Massachusetts.	1,878	51,878		1,878	137	1,741	537	53	
Rhode Island.	781	686		686	222	464	19	16	4
Connecticut.	2,793	2,620	84	2,536	1,328	1,208	52	54	47
Middle Atlantic.	56,908	28,167	2,075	26,092	6,717	18,375	1,010	818	88
New York.	14,801	13,991	1,339	12,652	2,243	10,409	507	448	42
New Jersey.	1,593	1,235		1,235	32	1,203	33	15	7
Pennsylvania.	40,514	12,941	736	12,205	4,442	7,763	470	456	40
East North Central.	61,133	53,966	1,184	52,782	22,866	29,916	5,144	5,757	351
Ohio.	18,536	16,223	155	16,068	9,231	6,837	595	1,674	8
Indiana.	10,994	10,121	461	9,660	4,582	5,078	548	845	25
Illinois.	11,887	10,075	5	10,070	185	9,885	264	363	220
Michigan.	9,390	8,355	545	7,810	3,844	3,966	548	508	46
Wisconsin.	10,326	9,192	18	9,174	5,024	4,150	3,189	2,367	52
West North Central.	68,342	58,400	3,784	54,616	39,827	14,789	3,941	4,398	891
Minnesota.	11,360	10,948	426	10,522	7,748	2,774	1,025	755	67
Iowa.	9,565	8,542	91	8,451	3,341	5,110	520	550	137
Missouri.	15,484	58,292	79	8,213	4,298	3,915	5,477	5,200	58
North Dakota.	7,388	7,190	1,091	6,099	6,076	23	185	497	68
South Dakota.	6,056	5,851	919	4,932	4,664	268	265	449	148
Nebraska.	18,627	8,228	396	7,832	6,745	1,087	816	651	200
Kansas.	9,862	9,349	782	8,567	6,955	1,612	653	1,296	213
South Atlantic.	171,703	55,207	7,714	47,493	27,254	20,239	2,919	3,528	1,411
Delaware.	13,883	1,921		1,921	656	1,265	208	211	104
Maryland.	4,103	4,053		4,053	1,264	2,789	78	57	44
Dist. of Columbia.	124								
Virginia.	145,693	9,336	938	8,398	4,644	3,754	5390	5385	124
West Virginia.	132,961	4,416	383	4,033	2,033	2,000	50	313	125
North Carolina.	159,124	10,819	519	10,300	6,314	3,986	404	444	121
South Carolina.	7,516	6,914	1,199	5,715	3,488	2,227	463	1,122	223
Georgia.	11,071	511,071	4,109	6,962	4,085	2,877	511,113	5755	533
Florida.	7,228	6,677	566	6,111	4,770	1,341	213	242	137
East South Central.	29,614	25,692	2,430	23,262	15,894	7,368	2,072	2,915	1,164
Kentucky.	9,402	8,903	314	8,589	6,746	1,843	4571	1,214	755
Tennessee.	17,817	6,971	33	6,938	4,175	2,763	367	272	21
Alabama.	6,601	6,321	2,067	4,254	3,196	1,058	638	785	98
Mississippi.	15,794	3,497	16	3,481	1,777	1,704	496	644	290
West South Central.	57,908	42,282	5,814	36,468	21,405	15,063	3,093	2,991	1,445
Arkansas.	9,280	8,751	944	7,807	6,209	1,598	218	180	33
Louisiana.	117,819	3,794	21	3,773	824	2,949	480	104	33
Oklahoma.	8,513	8,034	935	7,099	4,281	2,818	1,066	833	243
Texas.	22,296	521,703	3,914	17,789	10,091	7,698	51,729	51,874	1,136
Mountain.	52,833	39,926	10,580	29,346	27,743	1,603	3,614	2,615	719
Montana.	16,231	5,539	937	4,602	4,574	28	335	202	75
Idaho.	4,873	4,685	876	3,809	3,607	202	491	322	44
Wyoming.	3,791	3,688	204	3,484	3,450	34	367	297	162
Colorado.	112,253	3,512	90	3,422	2,937	485	928	514	105
New Mexico.	11,849	11,641	6,522	5,119	4,889	230	800	535	146
Arizona.	3,624	3,566	798	2,768	2,551	217	185	251	95
Utah.	5,109	4,612	899	3,713	3,357	356	175	314	48
Nevada.	15,103	2,683	254	2,429	2,378	51	243	180	44
Pacific.	26,988	12,154	228	11,926	5,743	6,183	1,123	1,049	120
Washington.	6,341	3,720	87	3,633	857	2,776	560	599	63
Oregon.	16,981	4,394	140	4,254	3,001	1,253	296	335	41
California.	-13,666	4,040	1	4,039	1,885	2,154	267	115	16

1 Includes secondary rural road systems under State control with a total of 194,428 miles for the 18 States noted. Also includes 23,804 miles of urban extensions (see also note 5), 3,243 miles of which are not under State control. See note table 458.

3 Includes original and reconstructed surfacing. In addition to the mileage here shown, surfacing on secondary rural road systems under State control totaled 3,138 miles in 1937, and 8,238 in 1938, and surfacing on urban extensions of State systems totaled 774 miles in 1937 and 757 miles in 1938.

Includes new location.

: Mileage for urban extensions under State control included with rural roads, as segregation by types was not available.

Source: Federal Works Agency, Public Roads Administration; annual statements on mileage of State-highway systems.

**No. 460. HIGHWAYS UNDER SUPERVISION OF STATE HIGHWAY DEPARTMENTS  
DISBURSEMENTS (INCLUDING FEDERAL-AID FUNDS) FOR, BY STATES: 1921  
TO 1939**

NOTE.—Figures include disbursements, whether from current revenues or the proceeds of loans, for construction, maintenance interest and principal payments on highway bonds, transfers to local units, and miscellaneous disbursements. Data beginning 1934 cover calendar years, while figures for earlier years for many States represent fiscal years. For the States reporting on a fiscal year basis in 1933, the net total disbursements for interim and overlapping periods between 1933 and 1934 amounted to 5124,428,000

DIVISION AND STATE	Year in which first State-aid law passed	1921	1930	1933	1934	1935	1936	1937	1938	1939
		Thousands of dollars								
Cont'l U.S.		397,484	1,139,677	782,006	991,774	848,355	1,131,151	1,166,706	1,135,122	1,266,929
New England.		25,910	76,418	68,896	82,708	81,054	92,791	97,275	88,970	102,992
Maine.	1901	6,524	17,184	10,490	12,988	11,671	14,192	16,360	14,523	14,069
N. Hampshire.	1903	2,360	9,640	7,471	9,113	6,165	6,997	9,523	7,787	8,815
Vermont.	1898	951	9,013	5,511	5,905	5,920	5,915	6,570	6,889	7,092
Mass. setts.	1892	7,864	21,926	18,289	33,204	36,719	35,476	37,416	34,695	44,889
Rhode Island.	1902	2,213	3,367	5,347	5,081	3,681	10,602	6,390	7,548	7,934
Connecticut.	1895	5,998	15,288	11,788	16,417	16,893	19,609	21,016	17,528	20,193
Middle Atlantic		101,475	216,236	137,259	184,343	127,513	188,121	223,186	223,721	190,876
New York.	1898	36,855	73,233	42,206	60,262	54,770	68,239	94,756	91,093	76,861
New Jersey.	1891	15,608	47,414	28,377	31,612	26,771	37,928	37,961	38,988	48,330
Pennsylvania.	1903	49,012	95,589	66,676	92,469	45,972	81,954	90,469	93,640	65,685
E. N. Central		68,512	190,673	127,083	168,249	141,442	188,268	194,784	185,646	182,249
Ohio.	1904	15,547	47,491	20,705	44,067	25,772	32,895	34,871	33,388	35,631
Indiana.	1917	8,110	22,569	18,800	21,868	17,953	25,084	21,532	22,673	20,792
Illinois.	1905	15,693	48,854	40,194	43,476	42,729	49,035	69,152	68,366	58,549
Michigan.	1905	16,744	46,136	24,272	28,428	23,653	10,885	30,021	25,228	24,571
Wisconsin.	1911	12,417	25,623	33,112	30,410	31,335	40,369	39,208	35,991	32,706
W. N. Central.		41,087	171,732	103,289	126,126	112,817	151,654	134,015	121,993	107,203
Minnesota.	1905	7,480	39,365	17,079	22,796	22,950	31,551	29,539	25,130	22,412
Iowa.	1904	18,276	50,607	18,122	23,586	22,239	28,616	28,450	27,373	24,239
Missouri.	1907	4,727	43,921	34,503	31,650	27,661	35,316	30,128	23,625	23,894
North Dakota.	1909	1,030	3,992	25,074	7,160	4,911	7,522	6,662	7,497	4,558
South Dakota.	1911	4,738	5,915	4,509	6,818	6,728	7,679	8,121	7,558	6,685
Nebraska.	1911	4,836	11,087	11,124	12,825	10,379	13,140	10,917	11,589	9,448
Kansas.	1911		16,845	12,878	21,291	17,949	27,830	20,198	19,221	15,967
South Atlantic.		51,181	139,904	104,379	133,014	127,216	149,795	159,027	170,057	172,293
Delaware.	1903	3,765	8,492	4,133	4,460	3,613	3,702	3,718	4,140	4,157
Maryland.	1898	7,616	17,992	13,788	18,787	14,700	16,597	17,661	17,956	18,852
Virginia.	1906	7,114	19,189	20,669	21,688	19,790	26,284	25,086	29,306	28,118
West Virginia.	1909	1,877	23,308	13,521	19,550	20,406	21,316	22,618	25,313	24,720
N. Carolina.	1901	15,100	25,613	20,475	26,103	28,083	36,134	36,769	34,062	35,829
S. Carolina.	1917	3,941	22,753	38,125	13,672	12,597	15,356	19,630	22,557	17,691
Georgia.	1908	9,664	12,699	14,537	12,750	16,479	16,120	22,966	25,502	19,597
Florida.	1915	2,103	9,858	9,126	16,004	11,548	14,286	10,579	11,221	23,329
E. S. Central.		16,621	92,737	51,828	62,126	55,169	63,493	87,536	91,182	111,184
Kentucky.	1912	5,757	19,497	18,169	17,805	18,806	14,373	23,784	24,830	25,117
Tennessee.	1915	6,328	53,278	15,357	18,472	14,190	15,711	15,984	20,657	37,823
Alabama.	1911	1,036	15,373	10,711	15,716	12,197	17,540	17,131	19,880	18,567
Mississippi.	1915	3,500	4,589	7,591	10,133	9,976	15,869	30,637	25,815	29,677
W. S. Central.		26,897	136,738	88,223	84,026	80,597	113,901	101,220	97,624	110,517
Arkansas.	1913.		39,821	27,274	12,945	16,102	16,346	18,335	15,017	16,397
Louisiana.	1910	5,347	29,357	25,781	16,139	19,022	29,829	19,450	25,143	24,956
Oklahoma.	1911	4,775	20,228	14,524	14,772	11,568	17,994	21,022	15,202	8,915
Texas.	1917	16,775	47,332	40,650	40,170	33,905	49,732	42,413	42,262	60,249
Mountain.		27,463	47,023	49,757	67,636	50,088	78,769	78,044	66,032	67,237
Montana.	1913	3,640	6,378	7,480	12,984	7,633	12,939	7,420	6,113	9,119
Idaho.	1905	4,863	6,637	5,193	6,593	6,105	9,115	7,330	7,203	7,064
Wyoming.	1911	3,446	3,590	4,360	5,983	5,078	6,545	6,304	5,415	4,639
Colorado.	1909	4,156	8,144	9,696	11,011	7,781	15,943	23,284	18,044	14,623
New Mexico.	1909	3,713	9,138	7,605	10,219	7,359	11,642	13,956	11,567	9,798
Arizona.	1909	2,948	5,231	5,491	7,503	5,631	9,000	6,688	6,580	6,598
Utah.	1909	3,107	5,193	6,084	7,325	5,914	7,481	7,899	6,967	11,332
Nevada.	1911	1,590	2,710	3,848	6,018	4,587	6,104	5,163	4,143	4,064
Pacific.		38,339	68,215	61,286	83,546	72,459	104,359	91,619	89,897	82,378
Washington.	1905	9,696	15,806	11,032	21,241	17,666	23,858	22,128	24,468	24,289
Oregon.	1913	17,828	14,668	12,660	15,116	16,991	21,833	19,729	16,820	16,182
California.	1895	10,815	37,741	37,594	47,189	37,802	58,668	49,762	48,609	41,907

For 6 months ended June 30.  
For 12 months ended Dec. 31. Data include some  
disbursements reported also in 1932.

For 6 months ended June 30.  
For 12 months ended Dec. 25.

Source: Federal Works Agency, Public Roads Administration; annual statement, State Highway Expenditures.

No. 461. STATE-HIGHWAY FUNDS AVAILABLE, BY SOURCE, AND DISBURSEMENTS, BY PURPOSE, BY STATES: 1939

NOTE.—In thousands of dollars. Data for secondary roads under State control and urban extensions of State systems are included

DIVISION AND STATE	FUNDS AVAILABLE					DISTRIBUTION OF DISBURSEMENTS				
	Total	Motor-vehicle fees; motor-fuel and motor-carrier taxes	Federal funds <sup>1</sup>	Income from bonds, notes, and other loans	All other sources <sup>2</sup>	Total	Expenditures for State-administered highways			
							Now recon-struct-i roads and bridges <sup>3</sup>	Main-tenance roads and bridges <sup>3</sup>	Other disbursements <sup>4</sup>	
Cont'U.S.—	1,532,689	841,243	189,679	78,022	423,745	1,269,294	67,392	206,014	138,250	15,273
New England.	128,175	69,073	10,349	5,377	43,376	102,992	28,064	16,605	6,789	51,534
Maine.	16,329	9,161	2,113	1,054	4,001	14,069	5,547	4,213	1,641	2,668
New Elampshire.	9,880	6,319	9701	3,523	6982	8,815	1,869	3,370	908	2,668
Vermont.	9,530	4,986	1,041	800	2,703	7,092	1,835	1,216	330	3,711
Massachusetts.	53,705	25,810	3,038		24,857	44,889	5,981	3,691	1,409	32,808
Rhode Island.	8,912	6,730	649		1,533	7,934	1,403	746	863	4,922
Connecticut.	29,819	16,067	2,538		11,214	20,193	10,429	3,369	1,638	4,757
Middle Atlantic.	336,363	145,042	21,894	12,090	157,337	190,876	53,322	38,741	30,497	68,316
New York.	144,670	55,281	9,200	10,017	70,172	76,861	23,206	9,753	10,256	33,646
New Jersey.	101,014	37,032	3,350	2,073	58,559	48,330	12,551	3,780	5,929	26,070
Pennsylvania.	90,679	52,729	9,344		28,606	65,685	17,565	25,208	14,312	8,600
E. N. Central	281,044	160,506	29,212		91,326	182,249	75,036	35,195	20,170	51,848
Ohio.	49,111	28,884	6,991		13,236	35,631	19,992	10,499	4,661	479
Indiana.	24,749	19,900	4,157		692	20,792	11,349	7,0661	1,039	1,338
Illinois.	91,172	52,190	7,283		21,699	68,549	17,692	5,602	11,159	34,097
Michigan.	67,081	23,421	5,544		38,116	24,571	15,048	6,988	2,535	
Wisconsin.	48,931	26,111	5,237		17,583	32,706	10,955	5,041	776	15,934
W. N. Central.	125,810	91,030	21,467	1,343	11,970	107,203	49,244	21,753	13,186	23,020
Minnesota.	27,385	21,430	3,688		2,267	22,412	11,053	5,612	2,025	3,722
Iowa.	26,564	18,848	3,316	1,343	3,147	24,239	10,630	2,845	3,306	7,458
Missouri.	29,774	22,486	4,007		3,281	23,894	8,107	5,046	5,490	5,251
North Dakota.	5,163	2,664	2,290		2091	4,558	2,684	1,290	320	264
South Dakota.	6,536	4,341	1,747		448	6,685	4,413	1,601	410	261
Nebraska.	10,414	6,987	3,106		321	9,448	5,962	1,941	578	967
Kansas.	19,884	14,274	3,313		2,297	15,971	6,395	3,418	1,057	5,097
South Atlantic.	220,936	136,653	25,280	20,215	38,787	172,293	80,625	36,544	20,763	34,361
Delaware.	5,720	2,831	602	1,277	1,010	4,157	1,912	799	1,026	420
Maryland.	26,833	15,102	3,011	6,719	2,001	18,852	8,460	1,463	1,966	6,963
Virginia.	28,032	24,159	3,447		426	28,118	19,614	5,403	1,972	1,129
West Virginia.	31,709	16,234	2,636	4,274	3,565	24,720	9,028	6,700	4,166	4,826
North Carolina.	58,251	32,354	5,596		20,301	35,829	10,110	15,164	5,498	5,057
South Carolina.	24,699	12,133	2,690	5,283	4,593	17,691	7,729	2,439	3,996	3,527
Georgia.	20,471	12,049	4,322	2,662	1,438	19,597	13,169	1,545	1,332	3,551
Florida.	25,220	21,791	2,976		453	23,329	10,603	3,031	807	8,888
E. S. Central.	129,487	48,342	17,617	21,769	41,759	111,184	52,227	12,105	11,253	35,599
Kentucky.	26,740	16,395	3,143	3,464	3,738	25,117	11,051	5,568	1,470	7,028
Tennessee.	45,489	14,503	4,307	2,902	23,777	37,823	6,499	2,401	4,761	24,162
Alabama.	20,808	10,872	4,923	300	4,713	18,567	11,504	2,524	3,184	1,355
Mississippi.	36,450	6,572	5,244	15,103	9,531	29,677	23,173	1,612	1,838	3,054
W. S. Central.	134,075	81,592	25,286	9,713	17,484	110,517	51,085	18,081	20,895	20,456
Arkansas.	20,440	12,896	5,291		2,253	16,397	3,806	2,781	6,093	3,760
Louisiana.	32,669	15,481	2,624	7,649	9,915	24,976	12,505	3,715	5,547	3,173
Oklahoma.	9,248	11,939	2,619		6,910	8,787	5,705	3,715	5,547	3,173
Texas.	71,718	41,276	14,752	2,064	13,626	60,249	29,053	9,202	8,471	13,523
Mountain.	78,163	34,536	22,981	7,515	13,131	67,237	39,556	10,919	6,747	10,015
Montana.	12,423	4,674	3,043	3,003	1,703	9,119	5,430	2,153	678	858
Idaho.	6,962	4,422	2,077		463	7,064	4,115	1,800	691	1,158
Wyoming.	5,297	2,783	2,012		502	4,639	3,273	792	409	165
Colorado.	17,266	7,068	6,854		4,344	14,623	9,916	1,4501	1,761	1,496
New Mexico.	13,167	4,920	2,455	4,512	1,280	9,798	5,456	1,366	2,126	850
Arizona.	6,716	4,132	2,778		6194	6,598	4,261	1,203	771	363
Utah.	12,363	4,738	2,324		5,301	11,332	4,274	1,3861	723	4,949
Nevada.	3,969	1,799	2,438		6268	4,064	2,831	769	2881	176
Pacific.	98,637	74,469	15,593		8,575	82,378	38,233	16,071	7,950	20,124
Washington.	28,341	20,011	4,530.		3,800	24,289	10,132	3,406	1,980	8,771
Oregon.	17,667	14,233	2,652		7821	16,182	6,1591	3,352	1,942	4,729
California.	52,6291	40,2250	8,411		3,993	41,907	21,942	9,313	4,028	6,624

Includes regular Federal-aid funds and emergency funds.

1 Balance from previous year, transfers from local sources, earnings of sinking fund, and miscellaneous revenue. 2 Includes some expenditures for administration engineering.

3 Administration and engineering expenses not charged to construction and maintenance, interest on bonds and notes, net expenditures for equipment, and miscellaneous expenses. 4 miscellaneous disbursements.

5 Principal payments on bonds and notes, expenditures or transfers for local units, and disbursements. 6 Net deficit.

Source: Federal Works Agency, Public Roads Administration; annual statements on State-highway income and expenditures.

No. 462. ROAD CONSTRUCTION AND GRADE-CROSSING PROJECTS, FEDERAL-AID AND EMERGENCY: STATUS AS OF DEC. 31, 1939

[All figures, except mileage data and number of grade crossings, in thousands of dollars]

DIVISION AND STATE	REGULAR FEDERAL-AID ROAD CONSTRUCTION					EMERGENCY ROAD CONSTRUCTION AND GRADE-CROSSING PROJECTS!						
	Projects under construction <sup>2</sup>			Federal-aid funds available for new projects	Total allotment of money	Projects under construction <sup>2</sup>			Grade-crossing projects			
	Total cost	Federal aid allotted	Mileage			Roads		Mileage	Emergency			
				Total cost		Emergency funds allotted	Total cost		Emergency funds allotted	Number of projects		
Grand total.	160,063	77,261	4,767	80,799	85,000	4,963	4,850	77	4,704	3,954	821	6,398
New England	5,077	2,528	79	6,144	46,877	46	46.		1311	123	2	676
Maine.	717	359	17	3051	8,185				35	271	21	5
New Hampshire.	640	313	12	968	4,647							29
Vermont.	718	3591	231	312	4,470							
Massachusetts.	647	323		2,454	17,421	4	41		63	63		521
Rhode Island.	834	416	8	826	4,702				7	71		
Connecticut.	1,520	758	15	1,279	7,452	42	42		26	26		121
Middle Atlantic-	20,684	10,062	248	3,8811	124,276	1,051	1,050	4	248	248		1,653
New York.	11,264	5,504	169	187	58,282	541	541		37	37		853
New Jersey.	4,473	2,235	35	9701	16,681	180	180	2	40	40		38
Pennsylvania.	4,957	2,323	461	2,825	49,313	3301	330		172	172		763
E. N. Central.	23,782	11,719	490	3,557	166,902	286	271	8	478	4261	4	349
Ohio.	6,066	3,009	48	3,247	39,460	261	2611		475	423	31	114
Indiana.	5,168	2,578	109	1,820	25,179	24	10	(4)				53
Illinois.	4,933	2,464	91	1,243	45,493							14
Michigan.	2,636	1,223	891	1,595	32,255				3	3	1	36
Wisconsin.	4,979	2,444	1531	1,653	24,513							241
W. N. Central.	21,179	10,478	1,255	18,964	157,802	6301	553	2	591	548	5	63
Minnesota.	4,384	2,172	192	3,037	26,755	1901	165	1	182	142	2	
Iowa.	3,310	1,460	961	592	25,766	79	77	(5)	1451	142		
Missouri.	3,434	1,674	106	3,591	30,509	336	285		194	194	1	63
North Dakota.	1,250	670	78	3,365	14,818							11
South Dakota.	2,588	1,453	288	2,430	15,285							26
Nebraska.	3,960	1,924	3761	2,273	19,221	21	21		69	69	1	35
Kansas.	2,252	1,125	119	3,676	25,449							48
South Atlantic.	22,454	11,079	725	14,397	124,081	1,271	1,255	18	1,094	1,094	55	2,346
Delaware.	1,170	582	15	1,024	4,061							69
Maryland.	2,471	1,217	40	1,776	3,187	230	2301	1	6	6	21	181
Dist. of Columbia.	264	132	21	127	4,253							
Virginia.	2,044	974	41	502	18,609	55	55		65	65	3	97
West Virginia.	1,901	341	45	1,676	11,664	287	271	7	401	40		108
North Carolina.	4,080	2,042	200	1,082	23,907	1361	136		261	261	41	23
South Carolina.	1,146	501	381	1,838	13,992	52	52		133	133		174
Georgia.	5,219	2,610	270	4,571	25,090	511	511	10	588	588	8	1,497
Florida.	4,159	2,079	741	1,801	13,318							198
E. S. Central.	19,464	8,683	633	3,386	77,660	199	199	5	276	276	6	292
Kentucky.	2,257	1,127	45	2,696	18,734				26	26		1
Tennessee.	2,601	1,301	50	2,578	20,892				23	23	1	183
Alabama.	5,635	2,795	195	2,201	20,816	79	791		102	102	2	16
Mississippi.	8,971	3,459	343	9111	17,218	120	120	5	124	124		62
W. S. Central.	23,386	8,909	4911	6,997	114,867	484	484	11	1,203	818	E	206
Arkansas.	849	536	37	303	17,103	18	18	(3)				41
Louisiana.	11,733	2,916	37	2,289	14,896	103	103	10	347	297	3	104
Oklahoma.	2,681	1,422	78	2,520	23,487	12	121					17
Texas.	8,122	4,036	339	1,885	59,381	351	351		856	521		133
Mountain.	10,815	6,960	601	8,340	99,641	870	864	38	146	146	3	250
Montana.	2,412	1,366	113	3,103	17,608	331	27	28	25	25	2	
Idaho.	780	476	501	994	10,661							30
Wyoming.	1,245	777	124	108	10,369				58	58	1	1
Colorado.	1,478	829	38	1,603	16,387	727	727	9				212
New Mexico.	1,368	845	78	861	13,331	52	52		26	26		5
Arizona.	1,765	1,251	101	485	11,680	581	58		37	37	2	
Utah.	736	532	50	551	9,625							
Nevada.	1,030	884	481	636	9,979							
Pacific.	11,075	5,796	205	2,622	68,696	1271	127		5361	275		78
Washington.	3,258	1,607	26	251	15,343	11	11					38
Oregon.	3,022	1,641	96	645	14,578							30
California.	4,794	2,548	82	1,726	38,774	116	116		536	275		1
Hawaii.	7861	380	13	1,034	4,201							
Puerto Rico.	1,3511	6691	261	3761								

<sup>1</sup> As provided for by National Industrial Recovery Act, by act of June 18, 1934, and by Emergency Relief Appropriation Act of 1935; total funds allotted include \$196,000,000 for grade-crossing projects.

<sup>2</sup> Projects approved for construction are as follows: Federal-aid roads, 2,724 miles; estimated cost, \$70,-915,000; Federal aid allotted, 234,584,000. Emergency road construction, 6 miles; emergency funds allotted \$369,000. Grade crossings, 55 projects, estimated cost, \$1,241,000; emergency funds allotted, \$1,161,000.

<sup>3</sup> Grade crossings eliminated, grade separations reconstructed, grade crossings protected by signals, etc. Includes Hawaii and Puerto Rico. Less than one-half mile.

Source: Federal Works Agency, Public Roads Administration; annual statements on status of road construction and grade-crossing projects.

## No. 463.— MOTOR VEHICLES FACTORY SALES AND REGISTRATIONS: 1906 TO 1939

NOTE—Figures for 1921 and subsequent years include data for motor vehicles of United States design made by Canadian plants, and for motor vehicles assembled in foreign countries from parts made in the United States. No data for motorcycles are included.

YEAR	FACTORY SALES†						REGISTRATIONE (IN THOUSANDS)		
	Number (in thousands)			Wholesale value thousands of dollars)			Total	Passen- ger cars, buses, and taxis	Trucks and road trac- tors?
	Total	Passen- ger cars	Motor trucks	Total	Passen- ger cars	Motor trucks			
1900.	4	4		4,899	4,899		8	8	
1905.	25	24	1	40,000	38,670	1,330	78	77	1
1908.	65	64	2	137,800	135,250	2,550	198	194	3
1909.	127	124	3	165,099	159,766	5,334	312	306	6
1910.	187	181	6	225,000	215,340	9,660	469	459	10
1911.	210	199	11	246,000	225,000	21,000	640	620	20
1912.	378	356	22	378,000	335,000	43,000	944	903	41
1913.	485	462	24	443,902	399,902	44,000	1,258	1,194	64
1914.	573	543	25	465,057	420,838	44,219	1,711	1,626	86
1915.	970	896	74	701,778	575,978	125,800	2,446	2,310	136
1916.	1,618	1,526	92	1,082,378	921,378	161,000	3,513	3,298	215
1917.	1,874	1,746	128	1,274,488	1,053,506	220,983	4,983	4,657	326
1918.	1,171	943	227	1,236,107	801,938	434,169	6,147	5,622	525
1919.	1,876	1,652	225	1,736,818	1,365,395	371,423	7,565	6,771	794
1920.	2,227	1,906	322	2,232,420	1,809,171	423,249	9,232	8,226	1,006
1921.	1,682	1,529	153	1,261,667	1,091,752	169,914	16,463	9,483	980
1922.	2,645	2,367	278	1,793,023	1,561,741	231,282	12,238	10,960	1,279
1923.	4,181	3,753	429	2,592,033	2,274,554	317,479	15,092	13,540	1,553
1924.	3,735	3,300	435	2,367,413	2,040,707	326,706	17,594	15,461	2,133
1925.	4,428	3,871	557	3,015,164	2,544,529	470,635	19,937	17,496	2,441
1926.	4,506	3,951	555	3,214,817	2,746,065	468,753	22,001	19,237	2,764
1927.	3,580	3,083	497	2,700,706	2,265,633	435,073	23,133	20,219	2,914
1928.	4,601	4,013	588	3,162,799	2,703,754	459,045	24,493	21,379	3,114
1929.	5,621	4,791	830	3,576,646	2,981,142	595,504	26,501	23,122	3,380
1930.	3,509	2,906	603	2,126,602	1,720,652	405,950	26,545	23,059	3,486
1931.	2,472	2,038	434	1,426,656	1,153,908	272,748	25,814	22,348	3,466
1932.	1,431	1,186	245	793,045	650,781	142,264	24,115	20,884	3,231
1933.	1,986	1,627	359	987,436	795,305	192,132	23,874	20,644	3,231
1934.	2,870	2,271	599	1,537,290	1,204,375	332,914	24,952	21,532	3,419
1935.	4,120	3,388	732	2,187,847	1,788,635	399,212	26,231	22,583	3,647
1936.	4,616	3,798	818	2,574,422	2,092,460	481,961	28,166	24,178	3,987
1937.	5,016	4,069	948	2,971,028	2,397,718	573,310	29,705	25,450	4,255
1938.	2,655	2,125	530	1,690,250	1,331,598	358,652	29,486	25,262	4,224
1939.	3,733	2,975	758	2,418,031	1,887,536	530,494	30,615	26,201	4,414

headnote.

2 Road tractors are not included prior to 1924.

†: Substantial part of the trucks reported comprises chassis without body; hence the value of bodies for these chassis is not included.

Sources: Automobile Manufacturers Association, New York, N. Y.; Automobile Facts and Figures. Federal Works Agency, Public Roads Administration; annual statement, State Motor-vehicle Registrations.

## No. 464. PASSENGER CARS FACTORY SALES, BY WHOLSALE-PRICE CLASSES: 1926 TO 1939

NOTE.—See headnote, table 463. For index numbers of retail sales of new passenger cars, see table 881

YEAR	NUMBER SOLD							Per- cent of closed cars
	Total	\$500 and under	\$501 to 5750	\$751 to 1,000	\$1,001 to 1,500	\$1,501 to 2,000	\$2,001 to 3,000	
1926.	13,948,843	1,633,775	1,149,301	500,508	476,675	94,915	73,738	72.0
1927.	3,083,360	1,039,216	957,987	446,663	466,902	107,425	50,064	84.9
1928.	14,012,158	1,698,603	1,219,266	462,452	456,117	108,448	55,304	88.5
1929.	14,794,898	2,585,414	1,317,116	387,835	347,340	98,086	47,587	89.4
1930.	2,910,187	1,754,747	680,352	204,450	179,180	55,351	27,266	90.4
1931.	2,038,183	1,328,294	413,929	162,954	80,687	33,846	12,714	92.9
1932.	1,186,185	794,164	260,831	74,610	36,670	8,699	8,679	96.0
1933.	1,627,361	1,316,341	237,099	32,610	20,125	10,409	8,725	98.5
1934.	2,270,566	1,443,357	715,989	56,223	27,576	8,391	8,879	98.78
1935.	3,387,806	1,787,171	1,444,52	110,813	28,736	8,716	5,413	99.50
1936.	3,797,897	1,919,618	1,677,558	143,269	39,997	11,545	4,326	99.63
1937.	4,068,935	1,368,018	2,392,415	260,280	31,226	11,633	4,061	99.88
1938.	2,124,746	329,858	1,521,404	224,839	42,160	3,661	2,161	99.91
1939.	2,975,165	285,217	2,380,455	253,931	49,033	4,304	1,870	99.97

† Figures do not agree with those shown in table 463 as total factory sales have been revised but not factory sales by wholesale-price classes.

Source: Automobile Manufacturers Association, New York, N. Y.; Automobile Facts and Figures.



No. 465.- MOTOR VEHICLES FACTORY SALES IN UNITED STATES, BY MONTHS: 1932 TO 1940

NOTE.-See also table 850

MONTH	1932	1933	1934	1935	1936	1937	1938	1939	1940
Passenger carsI									
Total.	1,135,491	1,573,512	2,177,919	3,252,244	3,669,528	3,915,889	2,000,985	2,866,796	
January.	98,803	109,833	112,754	227,554	297,692	309,494	155,505	281,465	362,897
February.	94,110	90,128	186,774	273,576	224,211	296,788	139,380	243,000	337,756
March.	99,399	97,469	279,274	359,410	342,870	403,879	174,065	299,703	352,922
April.	120,937	149,755	288,355	387,158	416,431	439,980	176,078	273,409	362,139
May.	157,756	180,651	273,764	305,547	384,921	425,432	154,958	237,870	325,676
June.	160,338	207,597	261,280	294,182	375,337	411,414	136,531	246,704	286,040
July.	94,705	191,265	223,094	274,344	371,922	360,400	106,841	150,738	168,769
August.	75,907	191,414	183,500	181,130	209,351	311,456	58,624	61,407	45,823
September.	64,748	157,376	125,040	56,097	90,101	118,671	65,159	161,625	224,470
October.	35,107	104,870	84,003	213,310	190,242	298,662	187,494	251,819	421,214
November.	47,532	42,365	49,020	336,914	341,085	295,328	320,344	285,252	407,091
December	86,149	50,789	111,061	343,022	425,365	244,385	326,006	373,804	
Motor trucks and bussesI									
Total.	235,187	346,545	575,192	694,690	784,587	893,085	488,100	710,496	
January.	20,541	18,992	42,912	62,174	66,250	70,109	53,823	60,703	69,382
February.	23,308	15,319	43,482	58,655	63,331	67,405	47,151	60,220	66,276
March.	19,560	17,803	59,160	66,503	78,052	90,242	47,580	72,243	70,698
April.	27,389	26,677	64,620	65,778	86,243	96,170	43,032	63,966	70,607
May.	26,539	33,760	56,691	55,560	75,591	91,487	37,101	59,672	65,539
June.	22,768	42,130	45,197	62,158	77,631	85,898	38,139	63,034	58,596
July.	14,438	38,092	41,839	57,765	68,809	78,568	34,602	58,621	62,934
August	14,418	41,441	51,311	56,270	61,923	82,874	31,870	38,461	29,050
September.	19,402	34,424	44,967	31,443	45,064	52,542	18,375	27,132	44,638
October.	13,595	29,813	47,988	58,733	34,446	31,214	22,018	61,573	72,009
November.	12,025	18,318	34,462	58,145	53,902	64,727	52,069	66,533	80,261
December	21,204	29,776	42,563	61,506	73,345	81,849	62,340	78,338	

I Passenger cars include taxicabs; trucks and busses include ambulances, tuneral cars, fire apparatus, street sweepers, station wagons, and road tractors.

Source: Department of Commerce, Bureau of the Census; figures published in monthly releases.

No. 466.- STATE MOTOR-FUEL TAXES RECEIPTS, 1937, 1938, AND 1939, AND TAX RATE, 1938 AND 1939

STATE	Receipts from taxes, licenses, fees, etc.1 (thousands of dollars)			Tax, cents per gal- lon, Dec. 31		STATE	Receipts from taxes, licenses, fees, etc.1 (thousands of dollars)			Tax, cents per gal- lon, Dec. 31	
	1937	1938	1939	1938	1939		1937	1938	1939	1938	1939
Total.	761,998	772,060	822,013	24	24	Montana.	4,581	4,452	4,807	5	5
Alabama.	13,350	13,579	14,776	6	6	Nebraska.	11,030	311,170	311,635	5	5
Arizona.	4,333	4,243	4,446	5	5	Nevada.	1,177	1,202	1,359	4	4
Arkansas.	9,962	10,092	10,742	6.5	6.5	New Hamp- shire.	3,286	3,298	3,508	4	4
California.	46,624	47,117	49,811	3	3	New Jersey.	21,593	22,362	23,068	3	3
Colorado.	7,431	7,465	7,751	4	4	New Mexico.	4,022	4,090	4,320	5	5
Connecticut.	9,496	9,242	9,961	3	3	New York.	61,915	66,195	69,757	4	4
Delaware.	2,034	2,073	2,146	4	4	North Carolina	23,393	24,308	25,556	6	6
Dist. of Col.	2,732	2,520	2,791	2	2	North Dakota.	2,935	2,318	2,736	3	4
Florida.	22,466	23,252	24,767	7	7	Ohio.	46,538	45,982	50,466	4	4
Georgia.	19,550	19,633	21,088	6	6	OKlahoma.	13,772	13,910	14,495	4	4
Idaho.	4,037	34,090	34,468	5	5.1	Oregon.	9,801	39,846	310,591	5	5
Illinois.	36,266	36,888	39,400	3	3	Pennsylvania.	55,720	52,001	59,590	4	4
Indiana.	23,497	22,770	24,318	4	4	Rhode Island	3,094	3,495	4,031	3	3
Iowa.	13,047	13,234	14,033	3	3	South Carolina.	11,135	311,494	312,547	6	6
Kansas.	10,236	10,168	10,179	3	3	South Dakota.	4,155	34,112	24,023	4	4
Kentucky.	12,671	12,531	13,836	5	5	Tennessee.	18,938	319,320	319,832	7	4
Louisiana.	16,000	16,627	17,463	7	7	Texas.	41,678	42,747	45,208	4	4
Maine.	5,550	5,558	35,722	4	7	Utah	3,424	33,524	33,736	4	4
Maryland.	9,857	9,929	10,638	4	4	Vermont.	2,323	2,530	2,679	4	4
Massachusetts	19,835	20,194	20,512	3	3	Virginia.	16,122	16,621	317,832	5	5
Michigan.	29,430	327,728	329,842	3	3	Washington.	15,282	15,431	16,006	5	5
Minnesota.	15,493	19,570	18,813	4	4	West Virginia..	8,496	9,397	10,423	5	5
Mississippi	410,222	410,181	411,309	6	6	Wisconsin.	19,751	19,447	20,438		
Missouri	11,217	11,636	12,234	2	2	Wyoming.	2,500	32,508	32,624	4	4

1 Taxes on motor fuel and receipts from distributors' and dealers' licenses, inspection fees, fines and penalties, fees for motor-fuel carrier permits, refund or exemption permits, interest on deposits, and miscellaneous unclassified items. 2 Weighted average rate for the year. 3 Including tax on aviation gasoline. 4 Not including taxes of \$151,000 for 1937, \$163,000 for 1938, and \$175,000 for 1939, imposed in several counties for sea-wall protection.

Source: Federal Works Agency, Public Roads Administration; annual statement, State Motor-Fuel Tax Receipts,

No. 467.— MOTOR-VEHICLE REGISTRATIONS COMBINED FIGURES FOR PASSENGER CARS AND MOTOR TRUCKS), BY STATES: 1915 TO 1939

NOTE.— Registration periods ending not earlier than Nov. 30 and not later than Jan. 31 are considered as calendar-year periods. Net numbers, excluding reregistrations and nonresident registrations, are given, so far as possible. Totals in this table do not include, in most cases, those official cars which are exempt (or partially exempt) from paying regular registration fees to the States. Tractor trucks and tractors for highway use are included beginning with 1925

DIVISION AND STATE	1915	1920	1925	1930	1935	1938	1939
Continental U.S.	2,445,666	9,231,941	19,937,274	26,545,281	26,230,834	29,486,680	30,615,087
New England.	206,609	573,321	1,290,151	1,698,618	1,680,828	1,861,483	1,930,756
Maine	21,545	62,907	140,499	186,157	181,165	196,690	200,867
New Hampshire	13,449	34,680	81,498	112,183	117,154	124,379	131,302
Vermont	11,499	31,625	69,576	86,624	181,513	87,402	90,713
Massachusetts.	102,633	274,498	646,153	846,206	785,572	843,789	871,936
Rhode Island.	16,362	50,477	101,750	136,423	148,597	168,888	175,068
Connecticut	41,121	119,134	250,669	331,026	366,827	440,335	460,870
Middle Atlantic.	497,227	1,474,106	3,536,570	4,914,101	4,964,655	5,561,273	5,738,267
New York	255,242	676,205	1,625,583	2,307,730	2,330,962	2,584,123	2,655,733
New Jersey	81,848	227,737	580,554	852,850	883,292	1,000,684	1,027,747
Pennsylvania	160,137	570,164	1,330,433	1,753,521	1,745,401	1,976,466	2,054,787
East North Central	653,665	2,229,396	4,918,383	6,384,157	6,084,562	6,823,028	7,018,418
Ohio	181,332	621,390	1,346,400	1,759,363	-1,714,627	1,870,249	1,885,984
Indiana.	96,915	333,067	725,410	875,763	860,650	922,788	960,842
Illinois.	180,832	568,924	1,253,177	1,538,250	1,525,817	1,780,865	1,849,623
Michigan	114,845	412,717	989,010	1,328,209	1,239,431	1,408,835	1,472,311
Wisconsin.	79,741	293,298	594,386	782,562	754,037	840,291	848,658
West North Central	499,992	1,782,946	2,941,814	3,651,901	3,495,150	3,734,583	3,830,919
Minnesota.	93,269	324,166	569,694	732,972	726,993	821,241	840,050
Iowa	145,109	437,378	659,202	778,386	699,016	740,021	766,412
Missouri	76,462	297,008	604,166	761,600	766,369	837,118	877,094
North Dakota.	24,908	90,840	144,972	183,019	164,217	174,256	176,501
South Dakota.	28,724	120,395	168,028	205,172	179,271	180,632	189,485
Nebraska.	59,000	219,000	338,719	426,229	406,178	407,330	406,905
Kansas.	72,520	294,159	457,033	594,523	553,106	573,985	574,472
South Atlantic.	150,594	806,053	1,920,982	2,517,673	2,656,918	3,019,977	3,213,234
Delaware.	5,052	18,300	40,140	56,109	56,560	64,078	67,992
Maryland.	31,047	102,841	234,247	321,702	345,578	395,347	425,064
District of Columbia	8,009	34,161	103,092	156,676	171,464	162,863	164,673
Virginia	21,357	115,470	282,650	375,389	2385,555	441,462	460,416
West Virginia.	13,279	80,664	217,589	266,273	248,379	275,691	286,167
North Carolina.	21,000	140,860	334,027	453,241	463,123	537,242	573,497
South Carolina.	15,000	93,843	168,496	218,402	4235,919	287,913	314,628
Georgia.	25,000	146,000	248,093	341,580	394,096	432,360	469,440
Florida.	510,850	73,914	286,388	327,801	356,244	423,021	451,357
East South Central.	48,421	357,658	878,115	1,213,501	1,126,993	1,330,016	1,430,702
Kentucky.	19,500	112,683	261,647	331,002	346,130	414,207	437,188
Tennessee.	67,618	101,852	244,626	368,259	351,898	398,624	423,956
Alabama.	11,634	74,637	194,580	277,146	7242,676	301,990	325,472
Mississippi.	9,669	68,486	177,262	237,094	186,289	3215,195	244,086
West South Central.	84,433	772,655	1,790,017	2,411,714	2,360,458	2,630,332	2,756,728
Arkansas.	8,021	59,082	183,589	220,204	207,429	220,391	241,425
Louisiana	11,380	73,000	207,000	275,283	268,824	326,199	340,091
Oklahoma.	25,032	212,880	424,345	550,331	502,101	535,399	656,163
Texas	940,000	427,693	375,083	1,365,896	1,382,104	1,548,343	1,618,039
Mountain	78,520	374,473	675,706	662,572	958,997	1,133,472	1,185,354
Montana.	14,540	60,650	94,656	135,168	149,712	171,325	180,319
Idaho.	7,071	50,861	81,506	119,077	118,266	137,851	153,226
Wyoming.	3,976	23,926	47,711	61,501	69,998	80,765	82,884
Colorado.	28,894	129,255	240,097	308,509	284,578	332,774	343,487
New Mexico.	5,100	22,100	49,111	84,150	92,457	116,537	120,441
Arizona	7,753	34,601	68,029	110,525	103,122	128,791	131,355
Utah	9,177	42,616	73,427	113,997	106,006	127,004	132,871
Nevada	2,009	10,464	21,169	29,645	34,858	38,424	40,771
Pacific.	226,205	861,333	1,985,536	2,761,043	2,902,273	3,391,516	3,511,719
Washington.	38,823	176,920	328,442	446,062	453,660	523,328	535,799
Oregon.	23,585	103,790	216,553	10273,625	1297,112	357,321	369,330
California.	163,797	583,623	1,440,541	2,041,356	2,151,501	2,510,867	2,605,590

For 15 months ended Mar. 31, 1936.

For registration year ended Mar. 31, 1936.

For 6 months ended Dec. 31.

For registration year ended Oct. 31.

Registrations incomplete.

Cars registered during 1915 only; total, approximately 26,000.

For registration year ended Sept. 30.

For 10 months ended Oct. 31.

Estimated.

For registration year ended June 30.

Includes trailers.

Source: Federal Works Agency, Public Roads Administration; annual statement, State Motor-Vehicle Registrations.

## No. 468.-- MOTOR-VEHICLE REGISTRATIONS AND REVENUES, BY STATES: 1939

DIVISION AND STATE	NUMBER OF MOTOR CARS					RECEIPTS FROM MOTOR-VEHICLE ADMINISTRATION		
	Total	Registered vehicles, private and commercial		Publicly owned vehicles, Federal, State, county, etc.	Trailers, registered (including official):	Motor-cycles, (including official)	Total receipts, Thousands of dollars	Registration-cars
		Passenger cars, busses and taxis	Trucks, tractor trucks, etc.					
Continental U.S.	331,009,870	26,201,396	74,413,692	339,4783	1,206,684	512,233	412,494	342,997
New England.	1,944,510	1,649,710	281,048	13,754	40,202	6,269	25,935	18,499
Maine.	203,793	157,605	43,262	2,926	610,861	844	3,788	72,857
New Hampshire.	131,963	81,022	28,658	8,661	5,741	821	2,962	72,469
Vermont.	91,407	81,081	137	8,694	2,042	483	2,490	2,089
Massachusetts.	874,932	876,656	106,280	82,996	14,669	950	7,028	4,304
Rhode Island.	127,069	155,369	19,599	2,001	747	841	2,929	2,324
Connecticut.	455,345	387,299	73,571	4,476	6,142	2,330	6,738	4,456
Middle Atlantic.	5,813,487	5,021,873	716,389	75,220	87,158	30,631	106,307	87,968
NGW York.	2,689,288	2,324,451	331,282	33,555	48,002	13,017	48,432	44,747
New Jersey.	1,041,337	894,061	133,586	13,590	7,767	5,372	21,312	14,541
Pennsylvania	2,082,862	1,803,366	251,421	28,075	31,389	12,242	36,563	28,680
East North Central.	7,078,336	6,183,547	834,371	59,918	393,145	30,382	98,051	83,403
Ohio.	1,910,468	1,702,761	184,223	23,484	135,488	9,381	28,525	23,259
Indiana.	969,593	824,196	136,546	8,751	71,725	5,405	10,001	8,020
Illinois.	1,863,486	1,624,031	152,255	13,863	25,432	7,256	24,352	21,152
Michigan	1,475,616	1,326,808	145,503	83,305	154,390	4,645	22,119	18,685
Wisconsin.	859,173	705,751	142,907	10,515	6,110	3,695	12,954	12,287
West North Central.	3,862,461	3,250,173	580,746	31,542	248,307	10,817	43,564	38,231
Minnesota.	848,572	721,473	118,577	8,522	42,295	2,343	9,884	9,089
Iowa.	774,227	1,671,858	1,944,554	7,815	139,740	2,838	12,624	11,574
Missouri.	881,945	735,485	141,609	4,852	34,374	2,317	10,226	8,690
North Dakota.	178,161	142,523	33,978	1,660	1,003	286	1,619	1,421
South Dakota.	192,111	159,099	30,386	2,626	22,085	464	2,165	1,631
Nebraska.	411,464	343,879	63,026	4,559	43,937	1,303	2,683	2,139
Kansas.	575,980	847,856	98,616	81,508	5,873	1,266	4,363	3,587
South Atlantic.	3,274,027	2,724,505	488,729	60,783	106,009	12,601	41,317	33,598
Delaware.	69,109	115,674	11,248	1,117	3,096	280	1,313	943
Maryland	430,095	365,376	59,688	5,031	4,727	1,625	5,538	3,802
Dist. of Columbia.	167,426	150,955	13,718	142,753	896	774	1,851	151,270
Virginia.	469,518	390,498	69,918	9,102	10,173	2,387	6,847	5,740
West Virginia	292,484	237,878	48,289	6,317	3,567	1,281	5,974	4,734
North Carolina.	587,832	486,548	86,949	14,335	44,926	1,799	8,163	7,797
South Carolina	321,235	270,901	43,727	6,607	5,645	1,021	1,915	1,505
Georgia.	477,713	387,489	81,951	8,273	13,807	1,625	2,620	1,612
Florida.	458,615	378,116	73,241	7,258	19,172	1,809	7,096	6,196
East South Central.	1,458,731	1,178,377	252,325	28,029	8,963	4,513	17,917	14,443
Kentucky.	444,218	367,903	69,285	7,030	88	1,279	4,960	3,088
Tennessee.	433,982	356,903	67,053	10,026	658	1,760	5,443	915,464
Alabama	331,742	265,582	58,890	6,270	4,626	1,019	4,947	4,186
Mississippi	248,789	186,989	57,097	4,703	4,191	455	2,567	912,522
West South Central.	2,800,053	2,184,629	571,089	44,335	35,636	8,039	35,689	31,307
Arkansas.	245,707	181,052	60,373	4,282	10,767	579	3,140	2,684
Louisiana.	346,820	263,188	76,903	6,729	14,087	1,344	5,309	4,524
Oklahoma.	565,864	457,991	98,172	9,701	14,833	1,147	6,046	4,458
Texas.	1,641,662	1,282,398	335,641	23,623	55,949	4,969	21,194	19,641
Mountain	1,210,838	953,082	232,272	25,484	48,246	4,370	11,039	8,752
Montana.	185,327	113,839	114,480	5,008	4,299	504	1,634	1,233
Idaho.	156,820	121,714	31,512	3,594	21,668	621	1,399	1,139
Wyoming.	84,990	64,954	17,936	2,106	10,912	311	622	570
Colorado.	345,884	286,913	56,574	82,397	1,603	1,363	2,879	2,109
Now Mexico.	123,549	91,953	28,488	3,108	2,849	420	1,909	1,601
Arizona.	136,037	107,272	24,083	4,682	4,894	461	1,134	826
Utah	135,935	111,656	21,215	3,064	612	539	1,176	910,12
Nevada.	42,296	32,781	7,990	1,525	1,409	148	286	262
Pacific.	3,565,177	3,055,494	456,225	53,458	178,979	18,598	32,675	26,795
Washington.	546,435	450,305	85,494	10,636	21,416	2,354	4,560	2,563
Oregon.	376,736	306,581	62,749	7,406	6,149	1,709	3,469	92,729
California.	2,642,006	112,298	608,307	35,416	157,414	14,536	24,641	21,503

As reported, State registration requirements differ widely.

\* Includes: registration fees, certificates of title, transfer or reregistration fees, permits, fines, etc.; excludes motor-fuel and motor carrier taxes.

Includes publicly owned motor vehicles not accounted for in State figures.

Includes 2 trailers not accounted for in State figures.

Includes 12 motorcycles not accounted for in State figures.

Some trailers registered with trucks. Includes fees for registration of some trailers.

State, county, and municipal vehicles included with private and commercial vehicles.

Includes fees for registration of trailers. Light delivery trucks included with passenger cars.

Busses included with trucks. Includes cabs included with trucks.

Includes 68,985 light trailers registered without charge.

Includes 399 automobiles of the diplomatic corps.

Receipts dealers' licenses and plates included for District of Columbia and Tennessee. Fees for registration of motorcycles included for Mississippi and Tennessee.

Source: Federal Works Agency, Public Roads Administration; annual statements on State Motor-Vehicle Registrations and Receipts.

# No. 469.- - MOTOR-VEHICLE FATALITIES IN CONTINENTAL UNITED STATES: 1914 TO 1938

NOTE. This table covers all deaths from automobile accidents, excluding deaths as a result of train and streetcar collisions with automobiles, and motorcycle accidents. Rural area and urban area population figures shown for 1930 to 1933 and used in computing rates for these years are the latest revised estimates. The term "Rural area" includes all rural parts of the registration States excluding cities having populations of 10,000 or more; "urban area" includes all cities having populations of 10,000 or more in the registration States; and "cities in nonregistration States" includes only 2 few cities in certain States not in the death registration area.

YEAR	REGISTRATION AREA			REGISTRATION STATES				
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Number of cars registered (including official)	Deaths per 100,000 cars
1914.	65,813,315	2,826	4.3	60,943,563	2,571	4.2	1,234,844	208.2
1915.	67,095,681	3,978	5.9	61,881,753	3,589	5.8	1,775,064	202.2
1916.	71,349,162	5,193	7.3	66,371,691	4,737	7.1	2,511,805	188.6
1917.	74,984,498	6,724	9.0	59,546,824	6,064	8.7	3,530,268	171.8
1918.	81,333,675	7,525	9.3	79,536,574	7,310	9.2	4,715,317	155.0
1919.	85,166,043	7,968	9.4	83,612,508	7,771	9.3	5,922,572	131.2
1920.	87,632,592	9,103	10.4	86,179,774	8,878	10.3	7,440,420	119.3
1921.	89,102,434	10,168	11.4	87,592,176	9,903	11.3	8,578,536	115.4
1922.	93,866,240	11,666	12.4	92,540,579	11,466	12.4	10,374,993	110.5
1923.	97,816,104	14,411	14.7	96,385,407	14,157	14.7	13,359,965	106.0
1924.	100,082,062	15,528	15.5	98,471,683	15,221	15.5	15,714,878	96.9
1925.	102,901,999	17,571	17.1	101,111,137	17,149	17.0	17,875,557	95.9
1926.	104,938,301	18,871	18.0	102,991,160	18,419	17.9	19,838,947	92.8
1927.	108,177,568	21,160	13.6	106,309,646	20,704	19.5	21,084,564	98.2
1928.	114,258,516	23,765	20.8	113,050,663	23,427	20.7	23,126,127	101.3
1929.	116,317,515	27,066	23.3	115,097,972	26,662	23.2	25,097,555	106.2
1930.	118,472,000	29,080	24.5	117,249,000	28,684	24.5	25,350,499	113.1
1931.	119,479,000	30,042	25.1	118,215,000	29,658	25.1	24,705,328	120.0
1932.	120,291,000	26,350	21.9	119,027,000	26,033	21.9	23,085,036	112.8
1933.	125,770,000	29,323	23.3	125,770,000	29,323	23.3	24,103,969	121.7
1934.	126,626,000	33,980	26.8	126,626,000	33,980	26.8	25,210,503	134.8
1935.	127,521,000	34,183	26.8	127,521,000	34,183	26.8	26,513,491	128.9
1936.	128,429,000	35,761	27.8	128,429,000	35,761	27.8	28,519,059	125.4
1937.	129,257,000	37,205	28.8	129,257,000	37,205	28.8	30,039,892	123.9
1938.	130,215,000	30,564	23.5	130,215,000	30,564	23.5	29,351,210	102.4
YEAR	RURAL AREA OF REGISTRATION STATES			URBAN AREA IN REGISTRATION STATES			CITIES IN NONREGISTRATION STATES	
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Population	Rate per 100,000 population
1914.	30,829,210	896	2.9	30,114,453	1,675	5.6	4,869,652	255
1915.	31,078,193	1,226	3.9	30,803,560	2,363	7.7	5,213,928	389
1916.	34,752,780	1,684	4.8	31,618,911	3,053	9.7	4,977,471	456
1917.	36,928,787	2,174	5.9	32,718,037	3,890	11.9	5,337,674	660
1918.	41,844,499	2,368	5.7	37,692,075	4,942	13.1	1,797,101	215
1919.	44,664,983	2,508	5.6	38,947,525	5,263	13.5	1,553,535	197
1920.	44,475,250	2,757	6.2	41,704,524	6,121	14.7	1,452,818	225
1921.	45,070,088	3,368	7.5	42,522,087	6,535	15.4	1,510,259	265
1922.	48,575,329	4,200	8.3	43,965,250	7,446	16.9	1,325,661	200
1923.	50,867,586	5,029	10.2	45,517,821	8,948	19.7	1,430,697	254
1924.	52,047,381	5,668	10.9	46,424,302	9,553	20.6	1,610,379	307
1925.	53,580,742	6,509	12.1	47,530,395	10,640	22.4	1,840,862	422
1926.	54,389,753	7,348	13.5	48,601,407	11,071	22.8	1,947,141	452
1927.	56,513,922	8,452	14.9	49,695,724	12,252	24.7	1,867,922	456
1928.	61,350,563	9,997	16.3	51,700,100	13,430	26.0	1,207,853	338
1929.	52,421,794	11,797	18.9	52,676,178	14,865	23.2	1,219,543	404
1930.	50,565,200	12,193	20.1	56,772,800	16,491	29.0	1,222,800	396
1931	60,302,100	12,702	21.1	57,854,900	16,956	29.3	1,264,200	384
1932.	61,033,400	11,304	18.5	57,824,500	14,729	25.5	1,264,200	317
1933.	55,411,700	13,267	20.3	60,281,300	16,056	26.6		
1934.	(2)	15,712			18,268	(2)	8	8
1935.	(2)	16,521	8	8	17,662	(2)	(1)	(1)
1936.		17,672			18,089	(2)	(1)	
1937.		18,347			18,858			
1938.	8	15,487	8	8	15,077	8	8	8

All States included in the registration area.

: Not available.

Sources: Department of Commerce, Bureau of the Census; Vital Statistics-Special Reports, Volume 9, No. 28. Federal Works Agency, Public Roads Administration; annual statement, State Motor-Vehicle Registrations.

# No. 470. MOTOR-VEHICLE FATALITIES, BY STATES AND FOR LARGE CITIES HAVING DEATH REGISTRATION: 1926 TO 1938

NOTE. Figures include all deaths from automobile accidents, excluding deaths as result of train and street car collisions with automobiles, and motorcycle accidents. Rates are based on revised estimates of population

	1926-1930, average	1931	1932	1933	1934	1935	1936	1937	1938
Registration area in continental U. S.:									
Number of deaths.	23,988	30,042	26,350	29,323	33,980	34,183	35,761	37,205	30,564
Rate per 100,000 estimated population.	21.3	25.2	21.9	23.3	26.8	26.8	27.8	28.8	23.5
NUMBER OF DEATHS									
Total registration States and D. C.	23,579	29,658	26,033	29,323	33,980	34,183	35,761	37,205	30,564
Alabama.	392	472	405	485	498	579	667	654	599
Arizona.	143	149	162	147	205	205	234	249	205
Arkansas.	2242	313	260	280	350	384	419	361	296
California.	1,828	2,367	2,198	2,233	2,625	2,633	2,886	2,913	2,573
Colorado.	232	319	284	298	328	312	363	386	333
Connecticut.	376	457	409	452	464	477	441	426	341
Delaware.	64	76	79	84	81	66	84	103	73
Florida.	479	518	485	494	604	604	652	715	689
Georgia.	3519	608	541	651	777	900	938	908	761
Idaho.	87	88	86	117	150	158	186	182	160
Illinois.	1,645	2,040	1,831	1,943	2,288	2,037	2,183	2,342	1,968
Indiana.	772	1,023	845	979	1,144	1,056	1,187	1,253	1,028
Iowa.	376	564	422	514	531	570	507	545	451
Kansas.	322	402	386	482	481	518	534	431	396
Kentucky.	357	514	441	504	630	657	666	799	616
Louisiana.	332	412	341	395	461	500	560	496	490
Maine.	127	159	149	190	201	200	202	203	182
Maryland.	363	466	410	429	488	446	452	519	377
Massachusetts.	732	813	777	801	986	829	875	875	664
Michigan.	1,284	1,407	1,143	1,196	1,416	1,573	1,813	2,052	1,417
Minnesota.	439	622	486	525	624	585	663	610	602
Mississippi.	265	284	234	283	401	385	487	435	385
Missouri.	605	844	690	770	944	910	964	959	836
Montana.	100	118	96	115	198	155	168	168	136
Nebraska.	224	291	212	283	293	325	290	297	212
Nevada.	440	63	59	63	69	77	71	65	63
New Hampshire.	83	100	70	135	104	128	110	146	106
New Jersey.	1,040	1,229	1,105	1,147	1,186	1,156	1,094	1,266	869
New Mexico.	4104	95	97	102	146	154	204	204	153
New York.	2,628	3,077	2,813	2,784	2,903	2,783	2,647	2,960	2,453
North Carolina.	555	650	558	725	874	965	930	1,009	858
North Dakota.	78	110	57	101	118	107	129	111	104
Ohio.	1,706	1,970	1,822	1,829	2,119	2,161	2,167	2,441	1,784
Oklahoma.	3433	404	437	485	584	649	633	608	510
Oregon.	221	292	223	249	309	284	347	341	326
Pennsylvania.	2,011	2,412	2,043	2,190	2,439	2,295	2,359	2,506	1,949
Rhode Island.	136	116	101	97	103	106	111	121	82
South Carolina.	288	380	329	342	470	477	571	520	459
South Dakota.	5112	116	101	115	119	142	123	105	139
Tennessee.	409	547	474	540	672	688	758	699	559
Texas.	0	(9)	0	1,292	1,579	1,801	1,924	2,033	1,715
Utah.	109	157	115	135	178	178	180	193	186
Vermont.	62	71	63	70	97	81	95	91	79
Virginia.	413	656	561	592	747	826	792	811	674
Washington.	397	461	413	442	596	547	607	537	471
West Virginia.	305	427	332	382	416	497	501	446	376
Wisconsin.	568	731	624	627	687	762	720	801	637
Wyoming.	65	98	78	87	105	100	114	131	93
CITY									
Total registration cities and D. C.	14,031	17,340	15,046	16,056	18,268	17,662	18,089	18,858	15,077
Akron.	82	77	80	85	88	84	75	84	64
Albany.	40	45	35	37	47	47	49	37	33
Atlanta.	76	95	99	105	108	116	124	104	87
Baltimore.	188	226	201	185	225	198	186	227	176
Birmingham.	63 E	82 I	75 I	80 I	74	69 I	88	91	58

No. 470. MOTOR-VEHICLE FATALITIES, BY STATES AND FOR LARGE CITIES  
HAVING DEATH REGISTRATION: 1926 TO 1938- Continued

CITY	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
Boston.	138	148	151	143	166	164	166	152	113				
Bridgeport.	36	59	27	51	47	50	45	51	19				
Buffalo.	156	153	132	144	151	146	150	183	112				
Chicago.	795	953	846	882	952	779	763	814	666				
Cincinnati.	135	149	124	143	187	163	166	176	135				
Cleveland.	281	286	262	248	268	256	259	292	171				
Columbus.	99	121	99	109	120	129	126	157	80				
Dallas.	64	81	71	83	90	102	95	101	67				
Dayton.	61	75	58	70	80	82	86	94	67				
Denver.	63	86	86	97	106	91	107	115	106				
Des Moines.	33	43	45	43	45	54	38	37	35				
Detroit.	388	372	321	307	336	329	402	369	226				
Flint.	44	53	38	56	54	77	70	99	53				
Fort Worth.	43	55	56	45	63	63	65	60	52				
Grand Rapids-	38	36	29	23	39	46	45	47	32				
Hartford.	46	55	50	55	59	53	61	34	40				
Houston.	77	101	64	103	108	108	110	114	99				
Indianapolis.	110	156	99	124	143	139	149	128	119				
Jacksonville.	45	56	58	65	60	55	52	60	54				
Jersey City.	56	43	58	64	73	52	54	64	35				
Kansas City, Kans.	19	24	36	30	47	37	47	35	22				
Kansas City, Mo.	92	137	89	121	122	106	108	105	96				
Long Beach.	39	60	55	55	59	49	59	59	56				
Los Angeles.	365	488	486	166	521	549	556	554	510				
Louisville.	80	109	85	88	123	106	114	124	72				
Memphis.	75	100	101	116	112	98	115	102	107				
Milwaukee.	114	108	97	89	79	77	80	91	52				
Minneapolis.	88	114	91	98	105	124	121	78	94				
Nashville.	51	71	72	55	65	82	98	90	63				
New Haven.	49	51	53	45	48	52	47	54	43				
New Orleans.	108	126	91	120	126	134	129	111	102				
New York.	1,191	1,299	1,163	1,146	1,135	1,045	924	970	890				
Newark, N. J.	123	106	98	100	90	117	106	132	62				
Norfolk.	27	44	36	41	40	34	35	27	36				
Oakland.	74	101	64	68	87	79	101	81	83				
Oklahoma City.	44	55	66	62	54	64	71	64	59				
Omaha.	49	66	44	58	67	65	52	47	42				
Paterson.	50	52	56	57	42	57	45	49	34				
Philadelphia	346	354	321	367	364	303	299	340	331				
Pittsburgh.	193	218	159	137	143	173	169	173	133				
Portland, Oreg.	61	95	74	83	98	88	108	84	81				
Providence.	69	52	51	48	40	37	55	64	33				
Richmond.	49	90	67	71	79	87	84	88	56				
Rochester.	67	76	62	45	80	73	69	70	65				
St. Louis.	177	180	156	149	173	191	171	181	115				
St. Paul.	61	87	84	70	90	58	69	75	61				
Salt Lake City.	42	50	58	46	67	51	70	64	61				
San Antonio.	58	63	50	68	77	58	82	73	85				
San Diego.	57	66	68	70	63	78	60	62	56				
San Francisco.	137	126	132	145	115	126	108	155	110				
Scranton.	38	36	32	42	53	38	44	39	46				
Seattle.	85	116	80	105	147	115	124	112	103				
Springfield, Mass.	35	33	28	30	39	31	33	35	27				
Syracuse.	53	70	39	49	60	58	42	69	49				
Toledo.	96	120	109	89	113	99	97	119	81				
Trenton.	48	56	41	56	57	55	52	50	32				
Tulsa.	339	33	34	33	52	65	48	44	37				
Washington, D. C.	117	161	186	142	192	155	159	170	129				
Worcester.	40	37	31	51	47	48	35	50	29				
Yonkers.	22	24	17	27	17	14	18	20	15				
Youngstown.	63	69	41	52	55	77	60	80	51				

: Including the District of Columbia. All States were in the registration area in 1933 and thereafter.

Average, 1928-30.

Average, 1929 and 1930.

1930 only.

Not in registration area.

Total covers registration cities of 10,000 or more inhabitants but only cities of over 120,000 inhabitants, according to 1930 census, are shown separately.

Source: Department of Commerce, Bureau of the Census; Vital Statistics-Special Reports, Vol. 9, Nos. 8 and 28, and Mortality Statistics, 1934 and 1935.

# 20. TRANSPORTATION, AIR AND LAND--STEAM AND ELECTRIC RAILWAYS, EXPRESS COMPANIES, MOTOR BUSSES, AND CIVIL AERONAUTICS

[Data in this section relate to continental United States unless otherwise stated]

GENERAL NOTE.—The term "steam railways" as used in this section includes electrified divisions operated by such carriers. The total steam railroad mileage of the United States comprises: (a) Regular interstate carriers (and their nonoperating subsidiaries) reporting to the Interstate Commerce Commission, (5) switching and terminal railroads, also reporting to the Commission; and (c) private railroads (defined by the Commission as "circular" because they report on brief circulars and as "unofficial"). Except in certain mileage data the circular and unofficial companies are not included in any of the statistics. The switching and terminal roads were formerly included with operating railways, but are now separated, and data for them do not appear in most of the tables.

Nonoperating subsidiaries include proprietary companies, which are covered by the reports of operating carriers, and lesser companies which have no traffic and whose reports appear only in statistics of capitalization, dividends, and investment.

Operating railways are divided into three classes, according to the amount of their annual operating revenues, class I, having more than \$1,000,000 of such revenue; class II, from \$100,000 to \$1,000,000; and class III, less than \$100,000. During recent years more detailed reports are required from class I carriers than from smaller companies. The basis of the figures in each table is indicated by notes. Omission of class II and class III railroads affects very little the comparability of statistics with those of earlier years as regards most items, since the bulk of the business is done by class I.

The Interstate Commerce Commission divides railroads geographically, into three districts and eight subsidiary regions. Each railroad is treated as a unit and placed wholly in some one district or region. Broadly speaking, the eastern district includes territory east of Chicago and north of the Ohio and Potomac Rivers; southern district, territory east of the Mississippi River and south of the Ohio and Potomac Rivers; and western district, the remainder of the country.

Class I companies make monthly reports from which data are compiled currently and published in series of monthly statements. The yearly totals from these reports become available earlier than the sometimes slightly corrected totals from the final annual reports. The latest figures in these tables are in many cases from the monthly reports.

## No. 471.—STEAM RAILWAYS—MILEAGE OWNED AND MILEAGE OPERATED: 1890 TO 1939

NOTE. Beginning with 1908 switching and terminal roads are omitted (they operate about 2,300 miles of main tracks). The first and second columns cover all railways, including, "circular" and "unofficial" lines; the last 5 columns omit "circular" and "unofficial" lines. Mileage owned excludes all duplication and covers continental United States only. Mileage operated includes some duplication under trackage rights and some mileage in Canada operated by United States companies

### MILES OPERATED

YEAR	Miles of road (first track) owned	Reporting railways					Class I railways: Road (first track)
		All railways: Road (first track)	Road (first track)	Other main tracks	Yard track and sidings	Total track	
June 30, 1890.	163,597	167,191	156,404	9,760	33,711	199,875	
1895.	180,657	184,628	177,746	12,348	43,181	233,275	
1900.	193,346	198,964	192,556	14,075	52,153	258,784	
1905.	218,101	225,196	216,974	19,881	69,942	306,797	
1910.	240,293	249,992	240,831	25,354	85,582	351,767	
1914.	252,105	263,547	256,547	32,376	98,285	387,208	226,999
1915.	253,789	264,378	257,569	33,662	99,910	391,141	228,989
Dec. 31, 1916.	254,037	266,381	259,705	34,325	102,984	397,014	231,674
1917.	253,626	266,015	259,705	35,066	105,582	400,353	232,697
1918.	253,529	264,233	258,507	36,228	107,608	402,343	233,145
1919.	253,152	263,707	258,525	36,730	108,637	403,892	234,363
1920.	252,845	263,821	259,941	36,894	109,744	406,579	235,234
1921.	251,176	262,544	258,362	37,614	111,555	407,531	234,702
1922.	250,413	261,984	257,425	37,888	114,046	409,359	234,976
1923.	250,222	262,482	258,084	38,697	116,212	412,993	235,574
1924.	250,156	262,158	258,238	39,916	116,874	415,028	235,894
1925.	249,398	261,871	258,631	40,962	118,361	417,954	236,848
1926.	249,138	261,562	258,815	41,686	120,840	421,341	237,054
1927.	249,131	262,091	259,639	42,071	123,027	424,737	238,634
1928.	249,309	262,713	260,546	42,432	124,772	427,750	240,747
1929.	249,433	262,546	260,570	42,711	125,774	429,055	242,015
1930.	249,052	262,215	260,440	42,742	126,701	429,883	242,391
1931.	248,829	261,816	259,999	42,780	127,044	429,823	242,292
1932.	247,595	260,438	258,869	42,556	126,977	428,404	241,424
1933.	245,703	258,465	256,741	42,397	126,526	425,664	239,797
1934.	243,857	256,418	254,882	42,109	125,410	422,401	238,555
1935.	241,822	254,347	252,930	41,916	124,382	419,228	237,491
1936.	240,104	252,871	251,542	41,731	123,108	416,381	236,486
1937.	238,539	251,829	250,582	41,579	122,411	414,572	235,168
1938.	236,842	249,826	248,474	41,589	121,261	411,324	234,031
1939.	235,064	248,040	245,922	41,445	119,983	408,350	233,277

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

## No. 472. STEAM RAILWAYS MILES OF ROAD OWNED, BY STATES- 1860 TO 1938

NOTE. -See headnote to table 471. The data are for the actual length of line in each State without duplication. Figures relate to June 30 prior to 1920 and Dec. 31 thereafter; they include reporting circular, and unnotional railways, but since 1908 exclude switching and terminal roads

STATE	1860	1870	1880	1890	1900	1910	1920	1930	1937	1938
United States	30,626	52,922	93,267	163,597	193,346	240,439	252,845	249,052	238,539	236,842
New England	3,660	4,494	5,982	6,718	7,521	7,921	7,942	7,596	6,971	6,794
Maine.	472	786	1,005	1,338	1,915	2,248	2,295	2,193	1,912	1,898
New Hampshire.	661	736	1,015	1,145	1,239	1,246	1,252	1,165	1,007	1,013
Vermont	554	614	914	921	1,012	1,100	1,077	1,056	961	928
Massachusetts	1,264	1,480	1,915	2,094	2,119	2,115	2,106	2,022	1,923	1,857
Rhode Island	108	136	210	213	212	212	211	191	202	194
Connecticut.	601	742	923	1,007	1,024	1,000	1,001	969	966	904
Middle Atlantic	5,846	8,709	13,632	18,161	20,709	21,980	22,293	21,752	20,869	20,573
New York.	2,682	3,928	5,957	7,661	8,121	8,430	8,390	8,312	8,017	7,824
New Jersey.	560	1,125	1,684	2,047	2,257	2,260	2,352	2,299	2,133	2,132
Pennsylvania	2,598	4,656	6,191	8,453	10,331	11,290	11,551	11,141	10,719	10,617
South Atlantic	5,976	7,349	9,789	18,270	23,362	29,795	32,380	31,644	30,008	29,870
Delaware	127	197	275	323	347	335	335	325	300	297
Dist. of Columbia.	0	0	(4)	30	32	36	36	36	35	35
Maryland.	386	671	1,040	1,231	1,376	1,426	1,436	1,443	1,409	1,388
Virginia.	1,379	1,486	1,893	3,160	3,779	4,535	4,703	4,516	4,409	4,362
West Virginia.	352	387	691	1,328	2,228	3,601	3,996	4,046	3,832	3,849
North Carolins.	937	1,178	1,486	3,001	3,831	4,932	5,522	5,161	4,764	4,731
South Carolina	973	1,139	1,427	2,194	2,818	3,442	3,814	3,780	3,543	3,502
Georgia	1,420	1,845	2,459	4,532	5,652	7,056	7,326	6,671	6,425	6,425
Florida	402	446	518	2,471	3,299	4,432	5,212	5,666	5,291	5,281
East North Central.	9,583	14,701	25,109	36,924	41,007	44,928	44,904	43,770	41,799	41,586
Ohio	2,946	3,538	5,792	7,912	8,807	9,134	9,002	8,804	8,530	8,518
Indiana	2,163	3,177	4,373	5,971	6,471	7,420	7,426	7,106	6,939	6,917
Illinois	2,790	4,823	7,851	10,214	11,003	11,878	12,188	12,500	12,064	12,045
Michigan	779	1,638	3,938	7,243	8,195	9,021	8,734	8,072	7,438	7,352
Wisconsin	905	1,525	3,155	5,584	6,531	7,475	7,554	7,288	6,828	6,754
West North Central.	1,472	8,046	19,094	38,354	42,988	49,730	52,180	51,400	49,367	49,035
Minnesota		1,092	3,151	5,466	6,943	8,669	9,114	8,779	8,507	8,463
Iowa.	655	2,683	5,400	8,356	9,185	9,755	9,808	9,698	9,203	9,082
Missouri	817	2,000	3,965	6,004	6,875	8,083	8,117	7,897	7,425	7,337
North Dakota		565	51,225	1,941	2,731	4,201	5,311	5,275	5,269	5,267
South Dakota.		0	(9)	2,486	2,850	3,948	4,276	4,238	4,151	4,127
Nebraska.		705	1,953	5,295	5,685	6,067	6,166	6,174	5,105	6,092
Kansas		1,501	3,400	8,806	8,719	9,007	9,388	9,339	8,707	8,667
East South Central.	3,392	4,656	6,343	11,144	13,343	17,074	17,754	17,452	16,461	16,408
Kentucky.	534	1,017	1,530	2,746	3,060	3,202	3,929	4,054	3,728	3,713
Tennessee.	1,253	1,492	1,843	2,752	3,137	3,816	4,078	3,940	3,689	3,669
Alabama.	743	1,157	1,843	3,314	4,226	5,226	5,378	5,249	5,082	5,069
Mississippi	862	996	1,127	2,332	2,920	5,066	4,369	4,209	3,962	3,957
West South Central.	680	1,417	5,044	13,782	18,221	31,122	32,972	33,227	32,203	31,995
Louisiana	335	450	652	1,759	2,824	5,554	5,223	4,654	4,499	4,449
Texas	307	711	3,244	8,613	9,886	14,282	16,125	17,069	16,496	16,473
Oklahoma			289	1,214	2,151	5,980	6,572	6,678	6,631	6,535
Arkansas	38	256	859	2,196	3,360	5,306	5,052	4,826	4,577	4,538
Mountain		1,466	5,082	12,676	15,808	22,956	25,170	24,973	24,058	23,902
Montana			106	2,181	3,010	4,207	5,072	5,228	5,164	5,203
Wyoming.		459	512	942	1,229	1,645	1,931	2,036	1,996	2,010
Colorado.		157	1,570	4,176	4,587	5,533	5,519	4,972	4,636	4,641
New Mexico.			758	1,324	1,753	3,032	2,972	2,973	2,867	2,862
Arizona.			349	1,097	1,512	2,097	2,478	2,494	2,263	2,240
Utah.		257	842	1,090	1,547	1,986	2,161	2,196	2,163	2,157
Nevada		593	739	925	909	2,277	2,160	2,109	2,115	1,935
Idaho			206	941	1,261	2,179	2,877	2,965	2,854	2,854
Pacific.	23	1,084	2,992	7,567	10,389	14,832	17,248	17,238	16,803	16,679
Washington.			289	1,783	2,914	4,875	5,587	5,542	5,280	5,281
Oregon.		159	508	1,428	1,724	2,285	3,305	3,456	3,472	3,428
California	23	925	2,195	4,356	5,751	7,772	8,355	8,240	8,051	7,970
Alaska Territory.					22	390	246	790	732	732
Hawaii Territory						175	243	232	201	200

Represents mileage operated.

in returns for Maryland.

Revised total 240,293 not distributed by States.

Figures for Dakota.

: Totals exclude Alaska and Hawaii.

For total Dakota, 866 North Dakota.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.



### No. 473.- STEAM RAILWAYS- MILES OF ROAD OWNED AND OPERATED: 1842 TO 1939

NOTE.—See note to table 471. Since 1890 the columns correspond to the first and third columns of that table. The exact basis of the data prior to 1890 is not stated. For years 1842 to 1889 and 1916 the date data relate to Dec. 31; for years 1890 to 1915 data relate to June 30.

YEAR	Owned	Operated	YEAR	Owned	Operated	YEAR	Owned	Operated
1842.		4,026	1898.	186,396	184,648	1919.	253,152	258,525
1850.		9,021	1899.	189,295	187,535	1920.	252,845	259,941
1855.		18,374	1900.	193,345	192,556	1921.	251,176	258,362
1860.		30,626	1901.	197,237	195,562	1922.	250,413	257,425
1865.		35,085	1902.	202,472	200,155	1923.	250,222	258,084
1870.		52,922	1903.	207,977	205,314	1924.	250,156	258,238
1875.		74,096	1904.	213,904	212,243	1925.	249,398	258,631
1880.		93,262	1905.	218,101	216,974	1926.	249,138	258,815
1885.		128,320	1906.	224,363	222,340	1927.	249,131	259,539
1886.		136,338	1907.	229,951	227,455	1928.	249,309	260,546
1887.		149,214	1908.	233,468	230,494	1929.	249,433	260,570
1888.		156,114	1909.	236,834	235,402	1930.	249,052	260,440
1889.		161,276	1910.	240,293	240,831	1931.	248,829	259,999
1890.	163,597	156,404	1911.	243,979	246,238	1932.	247,595	258,869
1891.	168,403	161,275	1912.	246,777	249,852	1933.	245,703	256,741
1892.	171,554	162,397	1913.	249,777	253,470	1934.	243,857	254,882
1893.	176,461	169,780	1914.	252,105	256,547	1935.	241,822	252,930
1894.	178,709	175,691	1915.	253,789	257,569	1936.	240,104	251,542
1895.	180,657	177,746	1916.	254,037	259,705	1937.	238,539	250,582
1896.	182,777	181,983	1917.	253,626	259,706	1938.	236,842	248,474
1897.	184,420	183,284	1918.	253,529	258,507	1939.	235,064	246,022

Source: Poor's Manual of Railroads prior to 1890; thereafter, Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

### No. 474.- STEAM RAILWAYS (CLASS I)-MILEAGE OPERATED, LOCOMOTIVES AND FREIGHT-CAR CAPACITY, BY DISTRICTS: 1920 TO 1938

NOTE.—Mileage operated includes some duplication due to trackage rights and some mileage in Canada operated by United States companies. For car equipment in detail, see table 478.

YEAR ENDED DEC.31	MILEAGE OPERATED				LOCOMOTIVES			Aggre- gate capac- ity of freight cars (1,000 tons)
	Road (first track)	Other main tracks	Yard track and sidings	Total track	Number, steam and electric	Tractive power, steam only		
						Aggregate (1,000lbs.)	Average (lbs.)	
Total:								
1920.	235,234	36,737	105,408	377,379	64,746	2,340,761	36,365	98,343
1925.	236,848	40,817	113,874	391,539	63,974	2,586,868	40,666	105,570
1930.	242,391	42,584	123,024	407,999	56,493	2,526,940	45,225	106,180
1931.	242,292	42,627	123,318	408,237	55,055	2,488,861	45,764	103,422
1932.	241,424	42,404	123,241	407,069	53,217	2,430,328	46,299	100,901
1933.	239,797	42,248	122,863	404,908	50,802	2,348,821	46,916	96,734
1934.	238,555	41,998	121,878	402,431	48,184	2,263,267	47,712	92,969
1935.	237,491	41,768	121,012	400,271	46,456	2,206,201	48,367	88,677
1936.	236,486	41,584	119,774	397,844	44,979	2,162,699	48,972	85,721
1937.	235,168	41,452	119,013	395,633	44,442	2,155,555	49,412	85,808
1938.	234,031	141,475	118,035	393,541	43,466	2,123,464	49,803	84,032
Eastern district:								
1920.	59,513	21,734	42,387	123,634	29,478	1,102,551	37,762	49,543
1925.	59,249	22,882	45,054	127,185	28,409	1,193,573	42,408	51,449
1930.	60,014	23,131	46,552	129,697	24,247	1,108,965	46,531	50,618
1935.	58,815	22,429	45,253	126,497	19,856	958,695	49,867	43,555
1937	58,213	22,191	44,027	124,431	18,892	929,213	50,818	41,048
1938.	57,830	22,252	43,527	123,609	18,412	909,063	51,091	39,921
Southern district:								
1920.	43,799	4,436	17,080	65,315	10,740	392,332	36,625	16,980
1925.	44,241	5,707	19,199	69,147	11,158	457,579	41,112	18,968
1930.	46,087	6,377	21,882	74,346	10,717	483,145	45,404	19,871
1935.	44,954	6,349	21,743	73,046	8,767	421,776	48,519	16,637
1937.	44,718	6,338	21,393	72,449	8,411	412,825	49,517	16,563
1938.	44,522	6,332	21,284	72,138	8,269	409,476	49,960	16,616
Western district:								
1920.	131,922	10,567	45,941	188,430	24,528	845,878	34,584	31,820
1925.	133,359	12,228	49,620	195,207	24,407	935,716	38,448	35,153
1930.	136,290	13,076	54,590	203,956	21,529	934,830	43,682	35,691
1935.	133,722	12,990	54,016	200,728	17,833	825,730	46,662	28,485
1937.	132,237	12,923	53,593	198,753	17,139	813,517	47,848	28,197
1938.	131,679	12,891	53,224	197,794	16,785	804,925	48,350	27,495

1 Second track, 36,066 miles; all other tracks, 5,409 miles.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

**No. 475.-STEAM RAILWAYS (CLASS I)-MILEAGE OF ROAD AND TRACKS  
OPERATED, BY DISTRICTS: 1920 TO 1938**

NOTE.- Figures include some mileage in Canada operated by United States companies as follows: 1,949 miles; 1925, 3,087 miles; 1930, 2,808 miles; 1935, 2,662 miles; 1936, 2,506 miles; 1937, 2,346 miles; 2,337 miles, consisting of 1,396 miles first main track, 482 miles of second main track, and 459 miles yard track and sidings. Figures to include some industrial tracks as follows: 1925, 20,407 miles; 1930, 21,694 miles; 1935, 21,151 miles; not available for 1936, 1937, and 1938

## ELECTRIFIED MILEAGE

DISTRICT AND YEAR ENDED DEC. 31	Total, all tracks	Road (first main track)	Second main track	All other main tracks	Yard track and sidings	Total track	Road (first main track)	Other main tracks	Yard track and sidings
All districts:									
1920.	377,379	235,234	31,512	5,225	105,408	3,132	1,449	900	783
1925.	391,539	236,848	35,200	5,617	113,874	13,507	11,674	971	952
1930.	407,999	242,391	36,755	5,820	123,024	5,098	2,381	1,432	1,285
1935.	400,271	237,491	36,098	5,670	121,012	6,159	2,686	1,887	1,586
1936.	397,844	236,486	36,099	5,485	119,774	6,135	2,671	1,884	1,580
1937.	395,633	235,168	35,987	5,465	119,013	6,127	2,671	1,885	1,571
1938.	393,541	234,031	36,066	5,409	118,035	6,855	2,922	2,257	1,676
Eastern district:									
1936.	125,483	58,536	17,703	4,634	44,610	4,042	1,408	1,610	1,024
1937.	124,431	58,213	17,577	4,614	44,027	4,034	1,408	1,611	1,015
1938.	123,609	57,830	17,688	4,564	43,527	4,829	1,704	2,021	1,104
southern district:									
1936.	72,748	44,816	5,895	446	21,591	672	266	196	210
1937.	72,449	44,718	5,892	446	21,393	673	266	196	211
1938.	72,138	44,522	5,892	440	21,284	669	264	195	210
Western district:									
1936.	199,613	133,134	12,501	405	53,573	1,421	997	78	346
1937.	198,753	132,237	12,518	405	53,593	1,420	997	78	345
1938.	197,794	131,679	12,486	405	53,224	1,357	954	41	362

Does not include 43 miles of electric street railways operated by Boston de Maine Railroad.

**No. 476. STEAM RAILWAYS (CLASS I)-EQUIPMENT INSTALLED AND RETIRED:  
1914 TO 1938**

NOTE.- includes new and used equipment purchased; equipment leased from others; the return of leased equipment that was leased to others; equipment rebuilt, converted; and units (except locomotives) transferred from one class of service to another. 5 Retired includes equipment permanently withdrawn from transportation service; equipment leased to others; the return of leased equipment to the owning companies; equipment rebuilt or converted; and units (except locomotives) transferred from one class of service to another

YEAR ENDED-	LOCOMOTIVES		FREIGHT-TRAIN CARS		PASSENGER-TRAIN CARS	
	Number installed	Number retired	Number installed	Number retired	Number installed	Number retired
June 30, 1914	3,245	1,862	150,813	96,985	3,620	1,854
1915.	1,114	1,507	86,012	90,347	2,664	1,385
1916.	1,475	2,576	88,254	109,996	1,261	2,156
Dec. 31, 1917.	2,148	1,423	117,210	62,253	2,535	1,671
1918.	2,803	977	65,249	56,024	1,817	1,051
1919.	2,062	999	76,019	43,274	435	670
1920.	1,017	1,254	36,044	75,197	621	885
1921.	1,330	1,130	63,406	59,245	1,681	929
1922.	1,226	1,682	105,394	126,471	1,328	1,286
1923.	4,360	3,746	232,060	213,789	2,658	2,360
1924.	2,786	2,529	156,572	118,590	2,755	2,295
1925.	1,600	2,873	139,083	128,573	3,230	3,569
1926.	11,882	13,105	93,369	103,152	3,455	3,309
1927.	11,542	12,976	73,254	96,991	2,646	3,612
1928.	11,017	13,047	62,945	90,707	2,524	3,252
1929.	11,229	13,134	94,946	116,869	2,663	3,499
1930.	11,160	22,204	81,038	82,101	1,900	2,036
1931.	1482	11,802	14,910	82,828	697	1,938
1932.	1477	12,316	8,545	69,394	579	1,928
1933.	1268	22,681	6,410	117,268	607	3,443
1934.	1312	12,912	31,366	129,026	703	3,368
1935.	1424	12,150	18,496	122,346	730	3,049
1936.	11,054	11,798	75,979	131,754	1,123	1,631
1937.	1877	11,321	91,128	105,324	1,074	1,413
1938.	1395	11,237	25,721	70,235	642	1,592

1 Excludes units transferred from 1 class of service to another.

Source of tables 475 and 476: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

# No. 477. STEAM RAILWAYS (ALL REPORTING COMPANIES)—EQUIPMENT IN SERVICE: 1921 TO 1938

NOTE— All reporting companies" include switching and terminal but not circular and unofficial lines. Data for tractive effort and capacity of cars exclude switching roads, also smaller roads during recent years; they would not be materially different if all carriers were included. The large number of cars owned by private car lines is not included

YEAR ENDED DEC. 31	LOCOMOTIVES					FREIGHT-TRAIN CARS <sup>1</sup>			
	Total number <sup>2</sup>	Number	Steam		Elec- tric	Total number	Capacity <sup>4</sup>		Passen- ger cars
			Tractive effort <sup>4</sup>	Aggregate (1,000 lbs.)			Aggregate (1,000 tons)	Average (tons)	
1921	69,122	68,733	2,385,470	36,935	389	2,378,510	98,504	42.5	56,950
1922	68,518	68,121	2,401,452	37,441	307	2,352,483	98,827	43.1	56,827
1923	69,414	69,005	2,544,115	39,177	409	2,379,131	101,318	43.8	57,159
1924	69,486	69,114	2,593,178	39,891	372	2,411,627	104,149	44.3	57,451
1925	68,092	67,713	2,586,868	40,666	879	2,414,083	105,570	44.8	56,814
1926	66,816	66,381	2,611,238	41,886	435	2,403,967	105,953	45.1	56,855
1927	55,348	64,843	2,506,171	42,798	467	2,378,800	105,846	45.5	55,729
1928	63,311	62,642	2,579,543	43,838	617	2,346,751	105,322	45.8	54,800
1929	61,257	60,572	2,550,813	44,801	621	2,323,683	105,411	46.3	53,838
1930	60,189	59,406	2,526,940	45,225	663	2,322,267	105,180	46.6	53,584
1931	58,652	57,820	2,488,861	45,754	709	2,215,904	103,422	47.0	52,096
1932	56,732	55,831	2,430,328	46,299	764	2,184,590	100,901	47.6	50,598
1933	54,228	53,302	2,348,821	46,916	789	2,072,632	96,734	47.5	47,677
1934	51,423	50,465	2,263,267	47,712	805	1,073,247	92,969	48.0	44,884
1935	49,541	48,477	2,206,201	48,367	884	1,867,381	88,677	48.3	42,426
1936	48,000	46,923	2,162,699	48,972	858	1,790,043	85,721	48.8	41,390
1937	47,555	46,342	2,155,555	19,412	872	1,776,428	85,808	49.2	40,949
1938	46,544	45,210	2,123,464	40,803	882	1,731,096	84,032	49.4	39,931

Excludes caboose cars.

<sup>2</sup>Includes locomotives other than classes shown beginning 1927.

<sup>3</sup>Figures prior to 1928 represent "number of locomotives."

<sup>4</sup>Class I roads.

## No. 478. STEAM RAILWAYS—CARS IN SERVICE, BY CLASS: 1925 TO 1938

NOTE. Figures for "All operating companies" include switching and terminal companies but not circular and unofficial lines. Cars owned by private car lines, roughly equaling one-tenth of those owned by railway companies, are not included

	ALL OPERATING COMPANIES					CLASS I, 1938			
	1925	1930	1935	1937	1938	Total	Western district	South-eastern district	West-ern district
Freight-train cars <sup>1</sup>	2,414,063	3,222,287	5,867,381	1,776,428	1,731,096	699,689	761,637	337,237	600,815
Box	1,086,562	1,004,662	812,775	759,774	736,854	733,314	295,525	121,696	316,093
Flat	113,562	108,181	83,405	73,831	70,416	64,841	12,127	10,710	42,004
Stock	87,452	84,460	68,455	60,998	58,821	58,688	7,500	5,179	46,009
Coal	979,483	930,624	793,776	817,642	801,891	783,699	432,456	188,873	162,370
Tank	12,151	10,981	9,266	9,313	8,950	8,139	16	12	8,111
Refrigerator	49,488	41,006	26,703	23,858	23,232	23,205	1,070	3,148	18,987
Other	85,335	82,363	73,000	31,012	30,932	27,803	12,943	7,619	7,241
Steel <sup>2</sup>	757,065	854,864	809,612	890,612	891,498	891,498	544,808	189,741	156,949
Steel underframe <sup>2</sup>	1,055,125	1,118,257	908,252	768,776	730,218	730,218	213,584	126,258	390,376
Caboose cars	31,325	23,779	24,994	23,458	23,064	22,309	9,180	4,210	8,919
Passenger-train cars	56,814	53,584	42,426	40,949	39,931	39,303	20,565	5,552	13,192
Coaches	(3)	(3)	(3)	18,585	18,124	17,914	10,622	2,314	4,978
Combination coach				3,539	3,416	3,107	1,580	430	1,088
Parlor and Sleeping				446	430	428	64	33	331
Dining	8	8	3	1,574	1,574	1,570	574	224	772
Club lounge and observation				388	360	360	44	8	308
Postal	8	8	8	1,951	1,918	1,918	904	296	718
Baggage, express, and other non-passenger									
Other passenger	8	8	8	14,054	13,705	13,631	6,637	2,202	4,792
Other passenger-train	(3)	(3)	(3)	91	105	98	86	6	6
Steel <sup>2</sup>	21,190	29,041	28,951	29,640	29,637	29,687	16,468	3,802	9,367
Steel underframe <sup>2</sup>	9,369	10,376	8,394	7,735	7,273	7,273	3,592	1,331	2,350
Company service equipment	112,592	169,527	79,584	81,258	80,116	77,699	25,827	13,674	38,198
Motor cars and trailers <sup>2</sup>	2,469	5,594	4,545	4,493	4,455	4,455	3,241	391	823

Excludes caboose

<sup>1</sup>Data represent Class I roads only. <sup>2</sup>No comparable data available because of change in classification.

<sup>3</sup>Does not include cars owned by Pullman Co.

Source of tables 477 and 478: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

## No. 479.— STEAM RAILWAYS- NUMBER AND COMPENSATION OF EMPLOYEES I

ALL OPERATING CARRIERS					ALL OPERATING CARRIERS				
YEAR ENDED-	Average number of employees	Total yearly compensation (1,000 dollars)	Average compensation Per hour?	Per year	YEAR ENDED-	Average number of employees	Total yearly compensation (1,000 dollars)	Average compensation Per hour?	Per year
June 30:					June 30:				
1890.	749,301				1911.	1,669,809	1,208,466		\$724
1895.	785,034	445,508		\$568	1912.	1,716,380	1,252,348		730
1900.	1,017,553	577,265		567	1913.	1,815,239	1,373,831		757
1905.	1,382,196	839,945		608	1914.	1,710,296	1,381,117		808
1907.	1,672,074	1,072,386		641	1916.	1,654,075	1,403,968	50.266	849
1908.	1,436,275	1,035,438		721	Dec. 31:				
1909.	1,502,823	988,324		658	1916.	1,700,814	1,506,961	.275	886
1910.	1,699,420	1,143,725		673	1917.	1,785,893	1,782,965		998

  

CLASS I CARRIERS							
YEAR ENDED DEC. 31-	All operating carriers: Average number of employees	Average number of employees	Total hours (thousands)	Total yearly compensation (1,000 dollars)	Average hours per employee	Average compensation Per hour?	Per year
19183	1,891,517	1,841,575	5,701,417	2,613,813	3,095.9	\$0.458	\$1,419
19193	1,960,439	1,913,422	5,032,293	2,843,128	2,630.1	.565	1,486
1920.	2,075,886	2,022,832	5,446,741	3,681,801	2,692.6	.676	1,820
1921.	1,705,308	1,659,513	4,147,319	2,765,213	2,499.1	.667	1,666
1922.	1,669,640	1,626,834	4,311,097	2,640,817	2,650.0	.613	1,623
1923.	1,902,222	1,857,674	4,928,651	3,004,072	2,653.1	.610	1,617
1924.	1,795,493	1,751,362	4,534,879	2,825,775	2,589.3	.623	1,613
1925.	1,786,411	1,744,311	4,531,361	2,860,600	2,597.8	.631	1,640
1926.	1,821,804	1,779,275	4,671,736	2,946,114	2,625.6	.631	1,656
1927.	1,775,549	1,735,105	4,519,281	2,910,183	2,604.6	.644	1,677
1928.	1,691,950	1,656,411	4,313,574	2,826,590	2,604.2	.655	1,706
1929.	1,694,042	1,660,850	4,346,822	2,896,566	2,617.2	.666	1,744
1930.	1,517,043	1,487,839	3,759,772	2,550,789	2,527.0	.678	1,714
1931	1,282,825	1,258,719	3,039,110	2,094,994	2,414.4	.689	1,664
1932.	1,052,285	1,031,703	2,378,206	1,512,816	2,305.1	.636	1,466
1933.	990,839	971,196	2,233,045	1,403,841	2,299.3	.629	1,445
1934.	1,027,426	1,007,702	2,393,899	1,519,352	2,375.6	.635	1,508
1935.	1,013,654	994,371	2,397,353	1,643,879	2,410.9	.686	1,653
1936.	1,086,405	1,065,624	2,675,345	1,848,535	2,510.6	.691	1,735
1937.	1,136,912	1,114,663	2,799,539	1,985,447	2,511.6	.709	1,781
1938.	958,280	939,171	2,329,606	1,746,141	2,480.5	.750	1,859
1939.	1,005,711	987,575	2,488,635	1,853,334	2,519.7	.749	1,887

I Data exclude switching and terminal companies beginning 1910. Class III roads are excluded in 1913. Exclusion of the latter has practically no effect on the comparability of the figures. Information for 1915 is incomplete, as 20 of the larger railways did not report, and is not shown.

Calculated for all classes of employees, including those not paid on an hourly basis.

: Data cover Federal reports, reports of companies not under Federal control, and corporate reports.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States. See last paragraph of general note, p. 424, regarding current data.

## No. 480.— STEAM RAILWAYS (CLASS I)—NUMBER AND COMPENSATION OF EMPLOYEES, BY DISTRICTS AND By CLASS: 1938 AND 1939

NOTE.—Data relate to years ended Dec. 31. Class I switching and terminal companies are included

DISTRICT OR CLASS	AVERAGE NUMBER OF EMPLOYEES		TOTAL COMPENSATION (1,000 DOLLARS)		AVERAGE PER DAY OR HOUR, STRAIGHT TIME (DOLLARS)		AVERAGE PER MONTH, TOTAL COMPENSATION (DOLLARS)	
	1938	1939	1938	1939	1938	1939	1938	1939
All employees, all districts.	967,375	1,017,770	1,797,698	1,920,978				
Daily basis.	85,717	84,996	245,807	245,390	8.86	8.91	239	241
Hourly basis.	881,658	932,774	1,551,891	1,675,588	.703	.705	147	150
astern district.	408,320	437,099	766,402	842,147				
Daily basis.	39,334	38,762	107,523	107,032	8.48	8.54	228	230
Hourly basis.	368,986	398,337	658,879	735,115	.738	.740	149	154
Southern district.	177,605	184,471	312,823	329,835				
Daily basis.	14,514	14,439	43,750	44,010	9.32	9.41	251	254
Hourly basis.	163,091	170,032	269,073	285,825	.659	.660	137	140
Western district.	381,450	396,200	718,473	748,996				
Daily basis.	31,869	31,795	94,534	94,348	9.13	9.13	247	247
Hourly basis.	349,581	364,405	623,939	654,648	.690	.688	149	150

No. 480.--STEAM RAILWAYS (CLASS D-NUMBER AND COMPENSATION OF EMPLOYEES, BY DISTRICTS AND BY CLASS: 1938 AND 1939-- Continued

DISTRICT OR CLASS	AVERAGE NUMBER OF EMPLOYEES		TOTAL COMPENSATION (1,000 DOLLARS)		AVERAGE PER DAY OR HOUR, STRAIGHT TIME (DOLLARS)		AVERAGE PERMONTH, TOTAL COMPENSATION (DOLLARS)	
	1938	1939	1938	1939	1938	1939	1938	1939
Executives, officials, and staff assistants.	12,342	12,162	71,264	70,294				
Daily basis.	12,342	12,162	71,264	70,294	18.25	18.30	481	482
Professional, clerical, and general.	168,136	168,263	326,691	328,958				
Daily basis.	37,487	37,350	95,690	95,940	8.20	8.24	213	214
Hourly basis.	130,649	130,904	231,001	233,018	.701	.704	147	148
Maintenance of way and structures.	190,503	205,867	237,202	255,907				
Daily basis.	3,658	3,639	11,127	11,078	9.54	9.56	253	254
Hourly basis.	186,845	202,228	226,075	244,829	.514	.514	101	101
Maintenance of equipment and stores.	246,622	271,453	411,691	471,999				
Daily basis.	9,330	9,348	28,834	29,141	9.29	9.34	258	260
Hourly basis.	237,292	262,105	382,857	442,858	.689	.697	134	141
Transportation (other than train service, engine, and yard).	127,875	129,910	209,337	213,764				
Daily basis.	18,980	18,442	25,665	25,182	3.95	3.98	113	114
Hourly basis.	108,805	111,468	183,672	188,582	.640	.637	141	141
Transportation (yardmasters, switchtenders, and hostiers).	12,927	13,077	31,935	32,824				
Daily basis.	3,920	4,046	13,227	13,755	9.31	9.35	281	283
Hourly basis.	9,007	9,031	18,708	19,069	.745	.745	173	176
Aransportation (train and engine service)	208,970	217,038	509,578	547,232				
Hourly basis.	208,970	217,038	509,578	547,232	.908	.906	203	210

Source: Interstate Commerce Commission; annual report, Wage Statistics of Class I Steam Railways in the United States.

No. 481. - STEAM RAILWAYS KECEIVERSHIPS AND TRUSTEESHIPS: 1881-1939

YEAR (CALENDAR, EXCEPT AS NOTED)	UNDER RE-CEIVERSHIP END OF YEAR		PLACED UNDER RE-CEIVERSHIP		YEAR (CALENDAR, EXCEPT AS NOTED)	UNDER RE-CEIVERSHIP END OF YEAR		PLACED UNDER RE-CEIVERSHIP		Stocks and bonds (1,000 dollars)
	Num-ber	Mileage oper-ated	Num-ber	Miles		Num-ber	Mileage oper-ated	Num-ber	Miles	
1881.			5	110	1911.	39	4,593	5	2,606	210,607
1882.			12	912	1912-	44	9,786	13	3,784	182,112
1883.			11	1,990	1913.	49	16,286	17	9,020	477,781
1884.			37	11,038	1914.	68	18,608	22	4,222	199,571
1885.			44	8,836	1915.	85	30,223	12	20,143	1,070,809
1886.			13	1,799	1916.	80	34,804	9	4,439	208,160
1887.			9	1,046	1917.	82	17,376	19	2,486	61,170
1888.			22	3,270	1918.	74	19,208	8	3,519	242,091
1889.			22	3,803	1919.	65	16,590	7	244	11,887
1890.			26	2,963	1920.	61	16,290	10	541	21,620
1891.			26	2,159	1921.	68	13,512	14	1,744	63,872
1892.			36	10,508	1922.	64	15,259	12	4,330	329,115
1893.			74	29,340	1923.	64	12,623	10	2,218	87,914
1894.	192	40,819	38	7,025	1924.	61	8,105	11	920	30,223
1895.	169	37,856	31	4,089	1925.	53	18,687	6	11,368	680,422
1896.	151	30,475	34	5,441	1926.	45	17,632		88	2,821
1897.	128	18,862	18	1,537	1927.	40	16,752		924	45,237
1898.	94	12,745	18	2,069	1928.	33	5,256	:	19	529
1899.	71	9,853	10	1,019	1929.	29	5,703	3	634	30,981
1900.	52	4,178	16	1,165	1930.	30	9,486	4	4,752	277,324
1901	45	2,497	4	73	1931.	45	12,970	19	5,195	432,152
1902.	27	1,475	5	278	1932.	55	22,545	13	11,817	626,577
1903.	27	1,185		229	18,823	78	41,698	32	25,124	1,750,397
1904.	28	1,323	8	744	36,069	80	42,168	4	1,016	51,074
1905.	26	796	10	3,593	176,321	87	68,345	13	27,124	2,168,871
1906.	34	3,971		204	55,042	91	69,712	10	1,874	165,278
1907.	29	3,926	2	317	13,585	109	70,884	27	2,110	199,093
1908.	52	9,529	24	8,009	596,359	109	76,938	9	6,997	730,287
1909.	44	10,530		859	78,095	108	77,013	3	734	78,868
1910	39	5,257	7	735	51,423					

1 Data relate to June 30 prior to 1916, Dec. 31 thereafter. 2 Includes roads under trusteeship.  
Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States, for first 2 columns and all data beginning with 1933; The Railway Age, Chicago, for other data.

**No. 482.— STEAM RAILWAYS (ALL REPORTING COMPANIES)— CAPITALIZATION:  
1890 TO 1938**

NOTE.— All amounts except "per mile of road" in millions of dollars. Switching and terminal companies excluded beginning with 1910; their total capitalization in 1938 was \$806,027,997. Figures include both operating and nonoperating railways. The gross figures include considerable amounts of securities held by the companies issuing them as well as larger amounts held by other railway companies.

YEAR	TOTAL CAPITALIZATION				HELD BY RAILROADS		NET CAPITALIZATION				
	Total	Com-mon stock	Pre-ferred stock	Funded debt	Stock	Fund-ed debt	Total	Per:mile ofroad (dollars)	Stock	Fund-ed debt	Funded debt, percent oftotal
June 30, 1890-1900.	8,984	3,803	606	4,575	964	443	7,577		3,445	4,132	54.5
	11,491	4,522	1,323	5,646	1,470	473	9,548		4,375	5,172	54.2
	18,417	6,710	1,403	10,304	2,555	1,486	14,376	62,819	5,559	8,817	61.3
Dec. 31, 1920.	21,891	7,215	1,898	12,778	2,407	2,490	16,994	68,787	6,707	10,287	60.5
	22,839	7,398	1,852	13,589	2,403	2,626	17,810	73,417	6,847	10,963	61.6
	23,636	7,539	1,935	14,162	2,668	2,766	18,202	75,322	6,806	11,396	62.6
	23,644	7,602	1,937	14,105	2,654	2,799	18,191	74,460	6,885	11,305	62.1
	23,677	7,560	1,925	14,192	2,655	2,788	18,234	74,398	6,831	11,403	62.5
	23,614	7,683	1,980	13,951	2,906	2,571	18,137	73,984	6,756	11,381	62.7
	23,747	7,809	2,034	13,904	2,759	2,477	18,511	75,316	7,084	11,427	61.7
	23,983	7,853	2,065	14,065	2,705	2,598	18,680	75,598	7,213	11,467	61.4
	24,331	8,009	2,074	14,248	2,897	2,368	19,066	77,343	7,186	11,880	62.3
	24,344	8,031	2,049	14,264	2,969	2,434	18,941	76,822	7,111	11,830	62.5
	24,837	8,067	2,047	14,723	3,056	2,887	18,894	76,957	7,058	11,836	62.6
	24,723	8,057	2,042	14,624	2,924	2,968	18,831	77,214	7,175	11,656	61.9
	24,570	7,994	2,044	14,532	2,999	2,918	18,653	77,090	7,039	11,614	62.3
	24,247	7,987	2,036	14,224	3,022	2,883	18,342	76,389	7,002	11,340	61.8
	24,003	7,993	2,036	13,974	2,933	2,734	18,336	76,910	7,095	11,241	61.3
	24,123	8,064	2,050	14,009	3,045	2,759	18,319	77,280	7,069	11,250	61.4
23,855	8,040	2,049	13,766	3,067	2,800	17,988	76,449	7,022	10,966	61.0	

**No. 483.— STEAM RAILWAYS— STOCK OUTSTANDING, DIVIDENDS, AND INTEREST:  
1891 TO 1938**

NOTE.— Data relate to years ending June 30 prior to 1916 and to calendar years thereafter. Nonoperating as well as operating roads are included. Switching and terminal roads are excluded beginning with 1908. Dividend figures throughout cover classes of roads, but interest figure for 1913 excludes the unimportant class III roads. The amount of stock shown in the first column is exclusive of stock held by the issuing company, but includes that held by other railway companies.

YEAR OR YEARLY AVERAGE	STOCK			DIVIDENDS			Interest accrued
	Actually outstanding (1,000 dolls.)	Paying dividends (1,000 dolls.)	Percent paying dividends	Amount declared (1,000 dolls.)	Percent on stock paying dividends	Percent on stock on hand	on funded debt (1,000 dolls.)
1891-1895.		1,737,048		94,093	5.42		243,013
1896-1900.		1,977,832		104,295	5.27		249,548
1901-1905.		3,505,694		199,752	5.70		285,755
1906-1910.		4,930,368		339,685	6.89		363,470
1911-1915.	8,561,050	5,595,888	65.36	401,944	7.18	4.70	436,178
1916.	3,755,404	5,430,123	62.02	366,561	6.75	4.19	481,426
1917.	9,003,797	5,610,774	62.32	381,852	6.81	4.24	474,123
1918.	8,846,717	5,138,851	58.09	339,186	6.60	3.83	468,286
1919.	8,883,125	5,298,321	59.64	335,242	6.33	3.77	476,075
1920-	8,843,100	5,075,040	57.39	331,103	6.52	3.74	500,354
1921.	8,889,921	5,059,844	56.92	456,482	9.02	5.13	529,398
1922.	8,961,537	5,321,347	59.38	338,806	6.37	3.78	538,594
1923.	9,092,933	5,646,076	62.09	411,882	7.30	4.53	551,705
1924-	3,300,054	6,042,268	64.97	385,130	6.37	4.14	588,301
1925.	9,413,101	6,278,532	66.70	409,645	6.52	4.35	583,875
1926.	9,365,272	6,473,280	69.12	473,683	7.32	5.06	581,709
1927.	9,539,491	5,701,427	70.25	567,281	8.47	5.95	583,452
1928.	9,722,079	7,159,989	73.65	510,018	7.12	5.25	578,831
1929.	9,847,011	7,506,265	76.23	560,902	7.47	5.70	580,770
1930.	10,011,538	7,702,021	76.93	603,150	7.83	6.02	588,742
1931.	10,008,413	7,325,664	73.20	401,463	5.48	4.01	592,866
1932.	10,042,762	3,298,822	32.85	150,774	4.57	1.50	591,340
1933.	10,027,092	3,119,282	31.11	158,790	5.09	1.58	590,230
1934-	9,958,550	3,411,520	34.26	211,767	6.21	2.13	569,760
1935.	9,925,202	3,412,968	34.39	202,568	5.94	2.04	559,187
1936.	9,929,650	3,594,789	36.20	231,733	6.45	2.33	548,452
1937.	9,812,663	3,890,177	39.64	227,596	5.85	2.32	532,237
1938.	9,788,412	3,139,486	32.07	135,270	4.34	1.39	521,758

Source of tables 482 and 483: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

## No. 484.-STEAM RAILWAYS SECURITIES ACTUALLY OUTSTANDING: 1925 TO 1938

NOTE.-All figures in thousands of dollars. Capital actually outstanding represents securities in the hands of the public or of railway companies other than those issuing same; securities held by or for the issuing company are excluded. Switching and terminal companies are not included

SECURITY AND YEAR ENDED DEC. 31-	ALL RAILROADS					Class I	Class II	Class III	Non-operating subsidiaries
	All districts	Eastern district	Southern district	Western district					
Total:									
1925.	21,734,096	8,527,168	3,444,426	7,625,501	18,095,164	437,022	86,157	3,112,753	
1930.	22,782,889	9,128,919	3,658,575	9,995,395	19,066,270	349,079	64,814	3,362,720	
1935.	22,079,551	9,210,379	3,401,012	9,468,160	18,530,040	300,476	53,426	3,195,609	
1937.	21,694,645	9,260,722	3,398,742	3,035,182	27,648,9	297,073	48,390	3,075,743	
1938.	21,428,320	9,165,363	3,355,335	3,907,627	28,065,265	285,438	45,902	3,013,712	
Stock:									
1925.	9,413,101	3,771,338	1,324,472	1,317,291	7,633,456	253,208	56,452	1,469,985	
1930.	10,011,538	4,290,108	1,461,628	4,259,802	8,267,129	207,556	45,068	1,491,785	
1935.	9,925,202	4,325,471	1,431,397	4,168,334	8,218,994	194,922	38,217	1,473,069	
1937.	9,812,663	4,387,713	1,445,286	3,979,665	8,123,195	192,098	34,251	1,463,120	
1938.	9,788,412	4,370,498	1,445,130	3,972,784	8,148,602	190,070	33,458	1,416,282	
Funded debt:									
1925.	12,320,995	4,755,830	2,119,954	5,445,211	10,464,708	183,814	29,705	1,642,768	
1930.	12,771,351	4,838,811	2,196,947	5,735,593	10,739,147	141,523	19,746	1,870,935	
1935.	12,154,349	4,884,908	1,069,615	5,299,826	10,311,046	105,554	15,209	1,722,540	
1937.	11,881,981	4,873,009	1,953,456	5,055,516	10,150,244	104,975	14,139	1,612,023	
1938.	11,639,908	4,794,865	1,910,206	4,934,837	9,934,666	95,358	12,444	1,597,430	
1938									
Common stock.	7,765,976	3,705,755	1,229,502	2,830,719	6,281,844	174,884	32,604	1,276,644	
Preferred stock.	2,022,436	664,743	215,628	1,142,065	1,866,758	15,186	854	139,638	
Mortgage bonds.	9,246,142	3,765,138	1,548,264	3,932,740	7,677,713	86,682	11,525	1,470,122	
Collateral trust bonds.	781,288	410,888	171,382	199,018	710,417	3,221	412	67,238	
Income bonds.	313,020	12,663	9,993	290,364	288,534	3,483	332	20,671	
Miscellaneous obligations.	858,655	395,859	75,184	387,612	819,915	1,934	175	36,631	
Equipment obligations.	440,803	210,317	105,383	125,103	437,987	48.		2,768	

## No. 485.-STEAM RAILWAYS INVESTMENT, INCOME, AND DIVIDENDS: 1910 TO 1938

NOTE. All figures, except as indicated, in thousands of dollars. No data for switching and terminal companies are included. Investment is as reported by the carrier and should not be confused with the tentative valuation fixed by the Interstate Commerce Commission

YEAR ENDED-	Investment <sup>1</sup>	Investment per mile offroad	Net railway operating income	Return on investment	Other income <sup>2</sup>	Interest, rents, and other deductions <sup>2</sup>	Dividends declared?
		Dollars		Percent			
June 30, 1910 <sup>3</sup> .	14,557,816	64,382	805,097	5.53	222,915	511,417	351,202
Dec. 31, 1916	17,842,777	74,466	1,058,506	5.93	213,324	623,180	311,876
1919.	19,300,121	79,974	454,132	2.35		5630,559	281,569
1920.	19,849,320	81,954	12,101	.06	8	5640,516	275,348
1921	20,329,224	84,530	601,139	2.96	5375,001	662,375	403,991
1922.	20,580,001	86,004	769,411	3.74		5062,375	275,722
1923.	21,372,858	89,619	974,918	4.56	260,655	667,616	353,127
1924.	22,182,267	93,233	984,453	4.44	269,188	684,559	325,983
1925.	23,217,209	94,917	1,136,728	4.89	272,102	706,272	349,089
1926.	23,880,740	97,433	1,229,020	5.15	301,541	718,984	411,208
1927.	24,453,871	99,546	1,077,842	4.41	314,396	722,485	503,146
1928.	24,875,984	100,974	1,182,467	4.75	323,310	720,776	436,217
1929.	25,465,036	103,197	1,262,636	4.96	362,363	728,428	495,246
1930.	26,051,000	105,661	874,154	3.36	361,196	716,730	511,259
1931	26,094,899	105,953	528,204	2.02	307,785	708,622	333,986
1932.	25,086,991	106,337	125,332	1.25	226,092	701,500	97,245
1933-2	25,901,962	106,437	477,326	1.84	213,592	703,745	98,443
1934.	25,681,608	106,279	465,836	1.81	203,941	694,360	136,018
1935.	25,500,465	106,339	505,415	1.98	186,228	686,688	131,448
1936.	25,432,388	106,783	675,600	2.66	182,821	693,479	175,332
1937.	25,636,082	108,235	597,841	2.33	176,322	676,276	172,705
1938.	25,595,739	108,871	376,865	1.47	156,841	660,298	85,320

<sup>1</sup> Prior to 1925 figures include investment of leased lines and exclude investment of proprietary companies not rendering annual reports. Beginning with 1925, the investment in road and equipment of proprietary companies is included as follows: 1925, \$480,216,000; 1926, \$831,574,000; 1927, \$919,095,000; 1928, \$1,013,752,000; 1929, \$1,051,469,000; 1930, \$1,095,631,000; 1931, \$1,114,687,000; 1932, \$1,121,945,000; 1933, \$1,096,264,000; 1934, \$90,581,000; 1935, \$861,716,000; 1936, \$861,696,000; 1937, \$848,173,000; 1938, \$840,033,000. No allowance is made cash and material and supplies, and no deduction is made for depreciation.

Does not include returns for lessor companies.

<sup>2</sup> Investment originally published is increased by \$170,000,000, estimated reserve for depreciation.

<sup>3</sup> Figures not comparable on account of Federal control accounting requirements.

➤ Does not include returns for class II and class III companies.

Source of tables 484 and 485: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 486. - STEAM-RAILWAY FREIGHT SERVICE- TRAIN MILES, CAR MILES, TONNAGE AND RELATED AVERAGES: 1891 TO 1939

NOTE. - Figures prior to 1916 relate to years ended June 30, thereafter to calendar years. Switching and terminal roads excluded beginning with 1908, except as noted. The tonnage "per loaded car" for "All roads" is based on revenue tonnage only; and for "Class Roads" on revenue and nonrevenue tonnage. Tons are of 2,000 pounds

CLASS AND YEAR OR YEARLY AVERAGE	Train-miles (thousands)	CAR-MILES (THOUSANDS)		TONS OF REVENUE FREIGHT		FREIGHT REVENUE		Average miles per car per day <sup>3</sup>
		Loaded (revenue and non-revenue)	Empty	Per train	Per loaded car	Per train-mile (dollars) <sup>3</sup>	Per loaded car-mile (cents) <sup>a</sup>	
<b>All roads:</b>								
1891-1895.	467,209			184		1.62		
1896-1900.	489,723			229		1.76		
1901-1905.	519,896	9,531,628	4,320,390	304	17.4	2.35		
1906-1910.	603,105	11,754,421	5,234,008	359	19.5	2.72		
1911-1915.	608,512	13,369,203	6,169,216	432	20.7	3.19		
1916-1920.	617,430	15,444,150	6,904,625	604	25.3	5.30		
1921-1925.	577,844	15,243,111	8,096,532	621	24.6	7.28		
1926-1930.	586,389	17,357,165	10,330,175	700	24.5	7.67		
1931-1935.	396,917	11,419,504	7,283,037	625	23.2	6.46		
1917.	646,402	15,911,203	6,780,872	588	24.8	4.27	17.7	
1918.	628,436	14,995,557	7,167,144	621	27.0	5.33	22.9	
1919.	560,499	14,273,422	6,531,570	623	25.4	6.14	24.8	23.0
1920.	619,507	15,336,778	7,264,316	639	26.7	6.81	28.1	25.1
1921	519,817	12,449,086	7,309,192	567	24.6	7.38	31.4	22.4
1922-	544,486	13,926,355	6,798,121	599	24.3	7.19	28.6	23.5
1923.	631,167	16,374,750	8,536,002	632	25.2	7.19	28.1	27.8
1924.	590,879	15,859,163	8,519,637	634	24.5	7.22	27.3	26.8
1925.	602,873	16,836,710	9,319,706	663	24.6	7.41	26.9	28.5
1926.	622,295	17,759,004	10,154,842	689	25.0	7.58	27.0	30.4
1927.	598,435	17,390,777	10,298,061	690	24.6	7.59	26.6	30.3
1928.	589,616	17,757,670	10,487,254	706	24.3	7.77	26.3	31.2
1929.	598,343	18,169,092	10,805,302	718	24.5	7.86	26.4	32.3
1930.	523,255	15,709,284	9,905,415	699	24.3	7.56	25.8	28.7
1931.	446,261	13,087,543	8,472,144	653	23.4	6.98	24.6	24.5
1932.	368,658	10,231,344	6,642,756	585	22.6	6.26	23.6	19.8
1933.	368,666	10,540,306	6,773,551	619	23.3	6.32	23.2	21.3
1934.	397,150	11,410,710	7,347,667	624	23.2	6.23	22.7	24.2
1935.	403,851	11,827,925	7,178,969	646	23.5	6.51	23.2	25.8
1936.	496,268	14,030,619	8,210,293	687	24.3	6.79	23.7	30.7
1937.	512,200	14,702,185	3,636,573	708	24.7	6.72	23.1	32.4
1938.	131,390	12,255,783	7,505,954	677	23.8	6.75	23.4	28.1
<b>Class Roads, total:</b>								
1916-1920.	604,422	15,156,421	6,836,894	613	25.4	5.30	21.9	
1921-1925.	567,286	14,988,046	8,032,691	633	27.1	7.28	28.3	25.5
1926-1930.	576,664	17,262,995	10,267,375	713	26.9	7.67	26.4	30.6
1931-1935.	390,772	11,370,307	7,250,061	638	25.4	6.46	23.5	23.1
1936.	486,341	13,954,297	8,160,035	703	24.3	6.79	23.7	30.7
1937.	501,686	14,617,571	8,581,218	724	24.7	6.72	23.1	32.4
1938.	422,388	12,196,033	7,559,050	691	23.8	6.75	23.4	28.1
1939.	451,990	13,554,969	8,217,025	743	24.6	7.18	23.9	31.7
<b>Eastern district:</b>								
1926-1930.	219,468	6,956,068	4,125,220	818	28.1	8.92	28.6	26.4
1931-1935-	143,110	4,511,567	2,867,127	757	26.6	7.81	25.4	19.5
1936.	166,651	5,295,962	3,054,533	840	26.1	8.43	26.5	25.1
1937.	170,448	5,538,542	3,169,924	864	26.3	8.29	25.5	26.7
1938.	137,256	4,412,390	2,723,309	816	25.1	8.16	25.4	22.4
1939.	152,871	5,090,789	3,078,185	885	26.3	8.82	26.5	26.1
<b>Southern district:</b>								
1926-1930.	122,815	3,314,113	2,127,953	738	30.5	6.65	25.3	36.0
1931-1935.	82,472	2,218,915	1,479,345	704	29.9	6.05	23.7	26.3
1935.	100,550	2,726,326	1,544,902	784	28.7	6.47	23.9	35.7
1937.	103,155	2,823,202	1,722,536	799	28.9	6.34	23.1	37.1
1938.	90,339	2,456,785	1,584,165	761	27.8	6.43	23.7	32.9
1939.	96,383	2,716,931	1,703,419	811	28.6	6.76	24.0	36.9
<b>Western district:</b>								
1926-1930.	234,381	6,992,814	4,014,202	606	24.0	7.08	24.8	33.4
1931-1935.	165,190	4,639,825	2,903,589	511	22.3	5.57	21.5	26.2
1936.	219,140	5,932,010	3,460,600	563	20.7	5.69	21.0	35.5
1937.	228,083	5,250,827	3,688,764	587	21.3	5.72	20.9	37.2
1938.	194,793	5,326,858	3,251,576	571	20.8	5.91	21.6	32.6
1939.	202,736	5,757,249	3,435,421	605	21.2	6.14	21.6	36.2

1 Figures for 1935 and prior years are not strictly comparable with those for subsequent years due to change in train classifications. 2 Data are for class Roads including switching and terminal companies.

3 Beginning with 1917 data available for class Roads only.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States. See last paragraph of general note, p. 424, regarding current data.



# No. 487. STEAM-RAILWAY FREIGHT SERVICE-TONS CARRIED, TONS MILES, REVENUE, AND AVERAGE HAUL: 1891 TO 1939

NOTE.—Figures before 1916 relate to years ended June 30; thereafter to calendar years. Switching and terminal freights excluded beginning with 1908. Tons are of 2,000 pounds.

CLASS AND YEAR OR YEARLY AVERAGE	TONS OF REVENUE FREIGHT CARRIED (THOUSANDS)		TONS CARRIED 1 MILE (MILLIONS)		Revenue ton-miles	AVERAGE HAUL, REVENUE FREIGHT (MILES)		FREIGHT REVENUE	
	Originated	Total	Revenue freight	Revenue and non-revenue		per mile of road	System	Individual road	Amount (1,000 dolls.)
All roads:									
1891-1895.		692,446	85,693		506,809		123.75	758,930	0.886
1896-1900.		874,389	113,962		611,128		130.33	879,837	.772
1901-1905.	691,120	1,266,313	167,715		820,016	242.67	132.44	1,298,713	.774
1906-1910.	930,254	1,673,431	228,936		1,006,849	246.10	136.81	1,744,525	.762
1911-1915.	1,074,121	1,903,074	277,073		1,104,718	257.95	145.59	2,051,525	.740
1916-1920.	1,325,772	2,378,164	390,815.		1,510,297	294.78	164.33	3,419,260	.875
1921-1925.	1,231,193	2,216,317	375,468		1,455,688	304.96	169.41	4,377,618	1.166
1926-1930.	1,364,507	2,481,018	430,310		1,657,292	315.34	173.44	4,690,122	1.090
1931-1935.	798,205	1,437,728	270,192		1,051,083	339.12	187.93	2,763,961	1.023
1906.	896,159	1,631,374	215,878		982,401	240.89	132.33	1,640,387	.748
1907.	977,489	1,796,337	236,661		1,052,119	242.05	131.71	1,823,652	.759
1908.	869,798	1,532,982	218,382		974,654	253.94	143.83	1,655,419	.754
1909.	881,334	1,556,560	218,803		953,986	251.10	141.87	1,677,615	.763
1910.	1,026,492	1,849,900	255,017		1,071,086	249.68	138.31	1,925,553	.753
1911.	1,003,054	1,781,638	253,784		1,053,566	254.10	142.88	1,925,951	.757
1912.	1,031,207	1,844,978	264,081		1,078,580	256.87	143.44	1,968,599	.744
1913.	1,182,548	2,058,035	301,730		1,190,397	255.15	144.40	2,198,931	1.729
1914.	1,129,992	2,002,026	288,637		1,125,084	255.43	144.17	2,126,717	.737
1915.	1,023,803	1,823,692	277,135		1,075,962	270.69	151.55	2,037,926	.735
1916.	1,317,246	2,347,396	366,173		1,409,957	277.98	155.99	2,631,092	.719
1917.	1,382,003	2,453,423	398,263		1,538,211	288.18	162.33	2,897,436	.728
1918.	1,376,845	2,477,092	408,778		1,582,796	296.89	165.02	3,522,052	.862
1919.	1,189,765	2,185,235	367,161		1,423,390	308.60	168.02	3,624,886	.987
1920.	1,362,939	2,427,622	413,699.		1,597,133	303.52	170.41	4,420,833	1.069
1921	1,017,818	1,808,836	309,533		1,199,325	304.11	171.12	4,004,109	1.294
1922.	1,111,822	1,974,618	342,188.		1,330,460	307.77	173.29	4,085,742	1.194
1923.	1,387,755	2,503,117	416,256.		1,615,741	299.94	166.29	4,712,495	1.132
1924.	1,287,413	2,331,291	391,945		1,581,556	304.44	168.12	4,437,380	1.132
1925.	1,351,155	2,463,725	417,418		1,613,862	308.93	169.43	4,648,364	1.114
1926.	1,439,612	2,627,492	447,444		1,732,295	310.81	170.29	4,905,981	1.096
1927.	1,372,547	2,510,054	432,014		1,668,800	314.75	172.11	4,728,885	1.095
1928.	1,371,359	2,504,196	436,087		1,677,089	318.00	174.14	4,771,562	1.094
1929.	1,419,383	2,584,333	450,189		1,727,786	317.17	174.20	4,899,168	1.088
1930.	1,220,134	2,179,015	385,815		1,481,199	316.21	177.06	4,145,015	1.074
1931.	944,846	1,694,075	311,073		1,196,960	329.23	183.62	3,302,324	1.062
1932.	678,854	1,229,078	235,309		908,296	346.63	191.45	2,485,475	1.056
1933.	733,391	1,322,463	250,651		972,262	341.77	189.53	2,528,968	1.009
1934.	802,276	1,440,434	270,292		1,056,609	336.91	187.65	2,571,901	.939
1935.	831,656	1,502,590	283,637		1,119,290	341.05	188.77	2,831,139	.998
1936.	1,011,530	1,805,767	341,182		1,353,406	337.29	188.94	3,356,631	.984
1937	1,078,237	1,928,444	362,815		1,446,921	337.43	188.14	3,428,421	.945
1938.	819,733	1,482,504	291,866		1,171,637	356.05	196.87	2,900,676	.994
Class I roads:									
1926-1930.	1,279,197	2,341,062	427,234	468,347	1,782,344	333.99	182.50	4,600,341	1.077
1931-1935.	758,855	1,365,784	268,635	295,021	1,118,250	354.56	196.69	2,719,977	1.013
1936.	958,830	1,712,975	339,246	373,624	1,432,154	353.8	198.0	3,302,894	.974
1937.	1,015,556	1,825,312	360,626	395,736	1,530,667	355.1	197.6	3,370,959	.935
1938.	771,862	1,393,259	290,034	317,513	1,235,843	375.8	207.3	2,852,112	.983
1939.	901,669	1,636,215	333,438	364,341	1,427,115	369.8	203.8	3,244,445	.973
Eastern district:									
1935-	417,032	885,623	138,202	148,341	2,359,287	331.4	156.2	1,404,528	1.016
1937.	431,200	930,821	145,618	156,222	2,499,270	337.7	156.4	1,413,213	.971
1938.	317,081	684,171	111,033	118,961	1,912,804	350.2	162.3	1,119,731	1.008
1939.	382,950	331,664	133,910	143,000	2,322,114	349.7	161.0	1,348,821	1.007
Southern district:									
1936.	230,562	342,222	78,314	85,593	1,744,1421	339.7	228.8	650,429	.831
1937.	240,466	360,960	81,846	88,691	1,827,975	340.4	226.7	654,127	.799
1938.	197,069	300,400	68,341	73,900	1,530,217	346.8	227.5	581,449	.851
1939.	221,446	338,710	77,660	83,582	1,746,660	350.7	229.3	651,373	.839
Western district:									
1936.	311,236	485,730	122,730	139,690	920,020	394.3	252.7	1,247,937	1.017
1937.	343,920	533,561	133,156	150,823	1,005,160	387.2	249.6	1,303,619	.979
1938.	257,712	414,688	110,710	124,752	839,083	429.6	267.0	1,150,932	1.039
1939.	297,273	465,901	121,8635	137,759	927,227	410.0	261.6	1,244,261	1.021

**I Class I and class II roads. Data included for class II and class III roads are partially estimated.**

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States. See last paragraph of general note, p. 424, regarding current data.

No. 488. STEAM RAILWAYS (CLASS I)- OPERATING REVENUES, FREIGHT AND PASSENGER REVENUE, AND FREIGHT TON-MILES, BY MONTHS

NOTE.— Except at times of general revisions in freight rates changes in freight revenue are closely parallel to those of ton-mileage. Data, except as indicated, exclude class I switching and terminal companies

YEAR	Average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL OPERATING REVENUES (millions of dollars)													
1917.	337.4	300.8	265.4	317.1	319.3	345.9	349.7	348.4	366.2	358.8	382.5	357.3	337.1
1918.	410.5	285.4	290.0	366.4	371.6	379.0	395.2	470.4	504.7	489.7	490.8	440.9	441.5
1919.	432.0	397.2	352.4	377.4	389.5	413.9	426.1	455.3	471.7	498.6	509.8	438.1	453.4
1920.	519.0	500.8	424.6	460.2	402.3	457.6	494.7	529.1	555.5	618.9	641.8	592.1	550.6
1921.	464.2	170.4	406.5	459.0	433.4	444.9	161.6	162.9	505.7	498.3	536.7	465.9	425.3
1922.	463.4	391.8	397.4	470.4	412.9	444.6	159.0	139.1	469.2	495.8	544.4	518.2	508.4
1923.	524.3	497.0	442.1	530.2	517.8	542.1	535.6	530.6	558.5	540.1	581.7	526.3	489.3
1924.	493.6	463.7	474.1	499.7	470.0	472.3	460.9	177.0	503.2	535.5	566.9	500.6	499.9
1925.	510.2	479.2	450.1	481.1	468.6	483.5	501.7	517.1	649.9	559.9	585.3	527.4	518.7
1926.	532.7	476.0	455.7	525.7	494.9	512.2	535.4	551.6	573.8	584.8	603.6	556.2	522.1
1927.	511.7	482.0	464.0	525.2	493.3	513.6	511.6	503.9	551.6	559.5	574.7	498.8	462.6
1928.	509.5	452.8	451.3	199.9	469.3	505.3	496.9	507.6	552.2	550.4	611.7	526.0	491.1
1929.	523.6	481.6	470.4	511.3	508.6	531.8	526.0	551.7	580.2	560.7	602.4	494.1	464.2
1930.	440.1	446.3	423.2	447.7	445.9	457.6	439.7	451.8	461.0	462.2	478.0	394.3	373.9
1931.	349.0	361.8	332.8	371.9	365.4	364.8	365.8	372.8	360.3	346.3	359.0	301.9	285.4
1932.	260.6	272.2	264.2	286.7	264.9	251.9	243.5	235.3	249.4	269.5	205.2	250.7	243.3
1933.	268.0	226.6	212.2	218.1	224.9	255.2	278.3	293.7	297.0	292.2	294.4	257.7	245.3
1934.	272.6	258.0	248.5	293.2	265.4	282.0	282.8	276.0	282.7	275.5	292.9	257.0	257.5
1935.	287.5	264.2	254.9	280.9	274.7	279.5	281.3	275.3	294.0	306.9	341.0	301.3	296.1
1936.	337.7	299.1	300.4	308.3	313.4	320.9	330.6	349.7	350.5	357.1	391.3	358.4	372.1
1937.	347.2	331.7	321.9	377.7	351.5	352.5	351.7	365.1	359.6	363.1	372.9	318.2	300.3
1938.	297.1	279.1	251.0	283.0	268.2	272.6	282.1	299.6	315.3	322.5	353.4	319.6	318.3
1939.	332.9	305.8	276.9	315.1	282.1	302.6	321.6	332.4	344.4	381.1	419.7	368.0	345.2

FREIGHT REVENUE (millions of dollars)

1926.	401.4	347.7	340.6	401.7	370.4	385.3	397.6	409.3	429.3	444.7	472.1	433.2	384.9
1927.	387.3	357.9	353.9	406.3	371.4	391.1	381.9	369.9	415.1	426.7	152.7	385.8	334.7
1928.	391.2	337.8	346.1	388.2	356.4	391.5	370.6	382.0	421.5	423.8	492.8	415.7	367.9
1929.	402.4	367.0	363.6	393.6	393.5	112.5	390.9	416.8	146.3	435.3	483.3	384.3	341.1
1930.	340.3	338.0	327.0	345.2	345.6	354.1	331.4	347.1	354.5	363.3	385.5	310.9	280.7
1931.	271.2	276.9	257.4	291.2	283.5	282.9	281.1	290.1	279.9	270.0	289.0	238.3	214.4
1932.	204.3	208.4	205.3	224.9	207.9	194.2	185.9	179.9	194.9	214.5	244.0	203.1	188.1
1933.	207.7	179.2	169.2	175.3	180.2	207.5	223.3	240.2	241.3	235.4	239.6	209.9	191.7
1934.	219.5	208.8	201.7	241.0	214.3	228.6	225.7	221.3	224.8	220.5	238.8	208.6	199.4
1935.	233.0	211.5	206.5	229.2	222.6	224.9	225.8	221.1	235.7	250.6	285.4	248.7	234.4
1936.	275.6	241.1	245.1	251.8	256.3	262.7	268.5	283.9	283.5	291.6	325.9	298.1	299.1
1937.	281.5	268.7	264.1	313.8	288.6	287.9	281.8	293.1	288.9	293.8	307.1	258.7	231.3
1938.	238.2	218.3	198.4	227.1	211.4	217.9	222.7	238.1	253.6	261.3	293.7	264.1	251.3
1939.	270.9	246.8	224.8	257.5	224.6	243.6	255.8	265.1	276.7	314.3	355.1	310.4	276.2

PASSENGER REVENUE (millions of dollars)

1931.	45.9	53.3	46.5	47.1	47.3	47.0	51.0	50.3	49.2	44.8	38.2	35.9	40.6
1932.	31.4	38.0	33.9	34.4	31.0	31.3	32.6	32.7	31.4	30.5	26.2	24.9	30.2
1933.	27.4	26.7	23.6	21.9	22.9	23.9	31.0	31.0	32.2	32.0	29.8	25.0	29.3
1934.	28.9	27.2	25.4	27.4	27.0	26.6	31.5	32.2	32.8	30.6	28.6	24.8	32.0
1935.	29.8	30.5	27.3	27.7	27.2	27.1	31.0	31.6	33.9	30.8	28.6	27.8	34.4
1936.	34.4	34.1	31.9	30.5	30.7	30.3	34.8	39.1	39.3	36.3	33.9	32.1	39.3
1937.	36.9	37.4	33.0	35.0	33.7	34.0	38.5	42.1	41.6	38.7	35.5	33.3	39.9
1938.	33.8	37.4	31.3	31.0	31.8	30.8	34.9	38.0	36.3	34.4	31.4	30.2	37.9
1939.	34.7	34.8	30.2	31.2	31.8	31.8	38.4	41.3	39.8	37.1	33.4	29.3	37.8

FREIGHT TON-MILES (millions)2

1926.	40,725	37,680	35,405	38,669	36,300	39,834	39,252	41,717	43,734	44,346	48,296	43,360	40,116
1927.	39,559	39,233	37,259	41,817	37,111	40,118	38,477	38,369	41,984	42,959	45,537	37,250	34,592
1928.	39,769	36,289	35,723	39,488	35,887	39,263	37,307	39,153	42,425	43,791	48,234	41,991	37,673
1929.	41,026	39,210	38,140	40,228	38,346	41,846	40,740	42,009	44,950	44,222	47,836	38,741	36,046
1930.	35,179	36,718	34,347	35,301	34,900	36,573	34,417	35,595	37,423	36,232	39,294	32,310	29,034
1931.	28,346	30,308	27,097	29,961	28,711	30,016	28,254	30,276	29,361	27,842	30,579	25,084	22,662
1932.	21,587	22,855	21,718	23,581	21,259	19,872	18,673	19,065	20,071	22,709	26,375	21,759	21,107
1933.	22,924	19,987	19,118	19,351	19,831	21,734	23,710	26,408	26,464	26,130	25,414	23,937	22,000
1934.	24,805	23,771	23,199	27,796	23,475	25,262	25,208	24,260	25,405	25,889	26,504	23,785	23,102
1935.	26,031	24,967	24,124	27,598	23,340	24,672	25,951	23,174	25,938	27,731	31,281	27,482	26,179
1936.	31,087	27,857	29,151	27,995	28,131	29,894	28,757	31,131	32,091	33,047	37,143	33,859	33,972
1937.	32,983	33,138	32,218	36,655	32,611	34,090	31,848	33,745	33,699	34,862	36,760	29,097	27,417
1938.	26,517	26,405	23,182	26,036	22,784	23,697	23,881	26,305	27,434	29,119	32,759	28,474	28,129
1939.	30,393	28,155	25,558	28,834	23,982	25,741	28,465	29,824	31,389	36,115	40,066	35,131	31,460

1 Including switching and terminal companies.

Revenue and nonrevenue.

Source: Interstate Commerce Commission; monthly reports, Operating Revenues and Operating Expenses of Class I Steam Railways and Operating Statistics of Class I Steam Railways. See last paragraph of general note, p. 424, regarding current data.

No. 489.- STEAM RAILWAYS-PASSENGERS CARRIED AND PASSENGER REVENUE: 1891 TO 1939

NOTE.-Figures relate to years ended June 30 prior to 1916, to calendar years thereafter. Passenger service revenue per train-mile includes revenue from mail, express, etc., but average revenue per passenger-mile is computed only from revenue from passengers themselves

CLASS AND YEAR OR YEARLY AVERAGE	Passengers carried (thousands)	Passengers carried (millions)	Average journey per passenger (miles)	Passenger train-miles (thousands)	Passenger train car-miles (thousands)	Passenger revenue (thousand dollars)	Passenger service train revenue per train-mile	Revenue per passenger-mile (cts.)	Average passenger-miles per train
All roads:									
1891-1895.	546,762	13,383	24.48	321,031		281,415	\$1.05	2.10	42
1896-1900.	520,459	13,863	26.64	345,457		279,900	.99	2.02	39
1901-1905.	681,261	20,737	30.44	423,244		416,609	1.11	2.01	45
1906-1910.	835,003	28,683	32.41	509,868		566,815	1.26	1.98	53
1911-1915.	1,018,804	33,768	33.14	587,501	3,264,399	672,792	1.32	1.99	54
1916-1920.	1,152,566	42,548	36.92	572,215	3,447,464	1,021,536	22.13	2.40	272
1921-1925.	982,320	36,869	37.53	571,455	3,603,117	1,112,634	22.47	3.02	265
1926-1930.	801,503	31,846	39.73	569,310	3,818,089	908,341	22.15	2.85	256
1931-1935.	483,006	18,375	38.04	410,509	2,745,969	392,869	21.38	2.14	245
1910.	971,683	32,338	33.56	549,015	2,998,171	628,992	1.30	1.94	56
1911.	997,410	33,202	33.48	572,929	3,136,774	657,638	1.31	1.97	55
1912.	1,004,081	33,132	33.18	585,854	3,235,634	660,373	1.29	1.99	53
1913.	1,043,603	34,673	33.31	593,061	3,320,488	695,988	11.36	32.01	355
1914.	1,063,249	35,357	33.25	665,212	3,399,604	703,484	11.34	1.99	256
1915.	985,676	32,475	32.95	580,448	3,229,496	646,475	11.31	1.99	353
1916.	1,048,987	35,220	33.58	595,441	3,409,639	722,359	11.44	2.05	356
1917.	1,109,943	40,100	36.13	593,338	3,485,788	840,910	21.69	2.10	265
1918.	1,122,963	43,212	38.48	544,321	3,276,489	1,046,166	22.23	2.42	276
1919.	1,211,022	46,838	38.68	553,147	3,446,787	1,193,431	22.46	2.55	282
1920.	1,269,913	47,370	37.30	574,826	3,618,617	1,304,815	22.78	2.76	280
1921.	1,061,131	37,706	35.53	568,242	3,503,514	1,166,252	22.51	3.09	267
1922.	989,509	35,811	36.19	553,919	3,445,869	1,087,516	22.50	3.04	265
1923.	1,003,538	38,294	37.97	573,938	3,616,342	1,158,925	22.56	3.03	267
1924.	950,459	36,368	38.26	579,384	3,676,746	1,035,672	22.41	2.99	263
1925.	901,963	36,167	40.10	581,792	3,773,114	1,064,086	22.37	2.94	263
1926.	874,589	35,673	40.79	584,972	3,862,610	1,049,210	22.33	2.94	261
1927.	840,030	33,793	40.23	578,355	3,850,116	980,528	22.23	2.90	259
1928.	798,476	31,718	39.72	570,038	3,815,337	905,271	22.13	2.85	256
1929.	786,432	31,165	39.63	568,095	3,870,903	875,929	22.18	2.81	255
1930.	707,987	26,876	37.96	545,091	3,691,480	730,766	21.85	2.72	249
1931	599,227	21,933	36.60	485,538	3,274,812	551,726	21.61	2.52	245
1932.	480,718	16,997	35.36	419,088	2,743,437	377,511	31.33	2.22	140
1933.	434,848	16,368	37.64	380,435	2,496,969	323,816	21.27	2.02	243
1934.	452,176	18,069	39.96	381,611	2,574,329	346,870	21.33	1.92	247
1935.	448,059	18,509	41.31	385,874	2,610,297	358,423	21.35	1.94	247
1936.	492,493	22,460	45.66	469,072	2,930,332	413,189	21.46	1.84	255
1937.	499,588	24,695	49.42	420,819	3,091,132	413,532	21.50	1.80	359
1938.	454,508	21,657	47.65	398,145	2,933,233	406,406	21.46	1.88	255
CIRCS I roads:									
1916-1920	1,114,055	41,989	37.69	556,495	3,406,925	1,005,690	2.13	2.40	72
1921-1925.	962,153	36,556	37.99	558,568	3,572,292	1,100,602	2.47	3.01	65
1926-1930.	793,335	31,724	39.99	560,633	3,800,669	903,748	2.15	2.85	56
1931-1935.	480,761	18,343	38.15	405,992	2,738,583	391,826	1.38	2.14	45
1935.	445,872	18,476	41.44	381,747	2,633,758	357,493	1.35	1.93	47
1936.	190,092	22,421	45.75	404,576	2,919,220	412,144	1.46	1.84	55
1937.	197,288	24,655	49.58	416,385	3,080,215	442,518	1.50	1.79	59
1938.	152,731	21,629	47.77	393,792	2,923,627	405,598	1.46	1.87	55
1939.	150,373	22,651	50.29	390,883	2,976,513	416,531	1.52	1.84	58.
Eastern district:									
1936-	351,856	11,841	33.65	169,442	1,226,527	232,375	1.82	1.96	70
1937.	354,035	12,968	36.63	173,151	1,278,739	243,425	1.84	1.88	75
1938.	327,742	11,618	35.45	161,847	1,197,118	224,193	1.81	1.93	72
1939.	334,772	12,015	35.89	162,328	1,225,561	232,376	1.89	1.93	74
Southern district:									
1936.	53,074	3,133	59.04	70,508	500,281	55,328	1.22	1.77	44
1937.	57,193	3,405	59.54	70,770	517,936	60,943	1.30	1.79	48
1938.	47,447	2,663	56.01	67,716	488,296	53,217	1.20	2.00	39
1939.	49,299	2,975	60.35	66,204	495,193	53,474	1.25	1.80	45
Western district:									
1936-	85,161	7,447	87.44	164,726	1,198,412	124,441	1.20	1.67	45
1937.	86,060	8,282	96.24	172,464	1,283,540	138,150	1.23	1.67	48
1938.	77,442	7,348	94.88	164,229	1,238,213	128,188	1.22	1.74	45
1939.	66,302	7,661	115.55	162,351	1,255,759	130,681	1.26	1.71	47

1 Figures for 1935 and prior years are not strictly comparable with those for subsequent years due to change in train classifications.

2 Data available for class I roads only.

2 Class I and class II roads.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States. See last paragraph of general note, p. 424, regarding current data.

## No. 490.— STEAM RAILWAYS REVENUES, EXPENSES, AND INCOME: 1891 TO 1939

NOTE.—Data relate to years ended June 30 prior to 1916, to calendar years thereafter. The method of calculating net revenue and net operating income is more fully shown in table 491. Switching and terminal companies are excluded beginning with 1908; operating revenues of switching and terminal companies, 1934, \$61,910,000; 1935, \$68,560,000; 1936, \$88,806,000; 1937, \$94,648,000; 1938, \$70,536,000; operating expenses, 1934, \$44,960,000; 1935, \$48,224,000; 1936, \$58,186,000; 1937, \$65,366,000; 1938, \$52,120,000

CLASS AND YEAR OR YEARLY AVERAGE	Average miles offline (first track) oper- ated	INCOME ACCOUNT ITEMS		THOUSANDS OF DOLLARS		PER MILE OF		Per- cent oper- ating ex- penses of revenues	
		Operat- ing revenues	Operat- ing expenses	Net revenue from opera- tions	Tax ac- tuals	Net railway operat- ing income	Operat- ing revenues		Not revenue from opera- tions
Allroads:									
1891-1895.	169,378	1,127,531	759,588	367,942	34,915	333,027	\$6,657	\$2,172	67.37
1896-1900.	186,001	1,264,048	832,377	431,671	41,970	389,701	6,796	2,321	65.85
1901-1905.	206,050	1,854,682	1,226,737	627,945	53,106	574,840	9,001	3,048	66.61
1906-1910.	229,404	2,528,171	1,705,542	822,630	80,931	727,407	11,021	3,586	67.66
1911-1915.	246,952	3,007,262	2,123,282	883,980	123,345	729,172	12,178	3,580	70.41
1916-1920.	258,295	4,870,468	3,971,453	899,015	227,680	624,304	18,856	3,481	81.54
1921-1925.	257,932	6,003,699	4,684,135	1,319,563	328,822	893,332	23,276	5,116	78.02
1926-1930.	259,646	6,139,269	4,502,029	1,637,240	386,732	1,125,224	23,645	6,306	73.33
1931-1935.	227,098	3,473,819	2,622,222	851,597	265,137	460,435	13,512	3,312	75.49
1907.	227,455	2,589,106	1,748,516	840,590	73,743	766,846	11,383	3,696	67.53
1908.	227,257	2,440,639	1,710,402	730,237	78,674	634,794	10,740	3,213	70.08
1909.	232,981	2,473,205	1,650,084	823,171	85,140	710,474	10,615	3,533	66.72
1910.	236,987	2,812,142	1,881,879	930,263	98,035	805,097	11,866	3,925	66.92
1911	243,434	2,852,855	1,976,332	876,523	102,657	744,669	11,719	3,601	69.28
1912.	246,829	2,906,416	2,035,058	871,358	113,819	727,458	11,775	3,530	70.02
1913.	242,657	3,193,118	2,235,923	1,957,195	122,005	1,805,266	13,159	13,945	170.02
1914.	254,775	3,127,730	2,280,416	847,314	140,470	674,190	12,276	3,326	72.91
1915.	256,214	2,956,193	2,088,683	867,510	137,775	694,276	11,538	3,385	70.65
1916.	257,325	3,691,065	2,426,251	1,264,814	161,825	1,058,506	14,344	4,915	65.73
1917.	258,913	4,115,413	2,906,283	1,209,130	218,632	950,557	15,895	4,670	70.62
1918.	258,263	4,985,290	4,071,522	913,768	229,533	646,223	19,303	3,538	81.67
1919.	257,949	5,250,420	4,498,817	751,603	239,136	454,132	20,354	2,914	85.68
1920.	259,026	5,310,151	5,954,394	355,757	289,272	12,101	24,361	1,373	94.36
1921	258,089	5,632,665	4,668,998	963,667	283,163	601,139	21,825	3,734	82.89
1922	257,195	5,674,483	4,509,991	1,164,492	308,145	769,411	22,063	4,528	79.48
1923.	257,625	6,419,210	4,999,383	1,419,827	339,577	974,918	24,917	5,511	77.88
1924.	258,104	6,045,252	4,608,807	1,436,445	347,437	984,463	23,422	5,565	76.24
1925.	258,646	6,246,883	4,633,497	1,613,386	365,790	1,136,728	24,152	6,238	74.17
1926.	258,295	6,508,679	4,766,235	1,742,444	396,538	1,229,020	25,199	6,746	73.23
1927.	258,877	6,245,716	4,662,521	1,583,195	383,112	1,077,842	24,126	6,116	74.65
1928.	260,026	6,212,464	4,508,506	1,703,858	395,631	1,182,467	23,892	6,553	72.57
1929.	260,558	6,373,004	4,579,162	1,793,842	402,698	1,262,636	24,459	6,885	71.85
1930.	260,475	5,355,484	3,993,621	1,362,853	353,881	874,154	20,564	5,232	74.56
1931	259,886	4,246,385	3,273,906	972,479	308,492	528,204	16,339	3,742	77.10
1932.	259,066	3,168,537	2,441,814	726,723	279,263	325,332	12,231	2,805	77.06
1933.	257,802	3,133,186	2,285,218	852,968	253,522	477,326	12,173	3,309	72.82
1934.	255,327	3,316,861	2,479,997	836,864	243,646	465,896	12,991	3,278	74.77
1935-	253,408	3,499,126	2,630,177	868,949	240,760	505,415	13,808	3,429	75.17
1936.	252,091	4,108,658	2,973,361	1,135,292	324,858	675,600	16,298	4,504	74.89
1937.	250,750	4,226,325	3,165,154	1,061,171	331,013	597,841	16,855	4,232	74.34
1938.	249,110	3,616,072	2,762,681	853,391	346,236	376,865	14,516	3,426	76.40
Class I roads:									
1921-1925.	235,302	5,881,856	4,583,425	1,298,431	321,536	883,599	24,997	5,518	77.92
1926-1930.	239,703	6,038,339	4,421,699	1,616,640	379,941	1,114,903	25,191	6,744	73.23
1931-1935.	240,242	3,426,801	2,582,163	844,638	260,971	157,739	14,264	3,516	75.35
1936.	236,878	4,052,734	2,931,425	1,121,309	819,753	667,347	17,109	4,474	72.33
1937.	235,376	4,165,069	3,119,065	1,047,004	325,665	590,204	17,700	4,448	74.87
1938.	234,482	3,565,491	2,722,199	843,202	340,782	372,874	15,206	3,595	76.35
1939.	233,404	3,995,004	2,918,210	1,076,794	355,677	588,829	17,116	4,613	73.05
Eastern district:									
1936.	58,578	1,787,658	1,295,062	492,596	139,432	289,068	30,518	8,409	72.44
1937.	58,129	1,812,675	1,362,759	449,916	143,457	247,194	31,184	7,740	75.18
1938.	57,898	1,474,839	1,136,002	338,837	143,607	135,906	25,473	5,852	77.03
1939.	57,526	1,726,110	1,259,339	466,771	149,887	252,864	30,006	8,114	72.96
Southern district:									
1936.	44,901	756,585	505,023	251,562	66,062	177,302	16,850	5,603	66.75
1937.	44,774	767,584	531,589	235,995	68,239	160,029	17,144	5,271	69.25
1938	44,661	681,867	483,972	197,895	69,256	119,424	15,268	4,431	70.98
1939.	44,462	754,098	514,396	239,702	74,452	157,850	16,961	5,391	68.21
Western district:									
1936.	133,399	1,508,491	1,131,340	377,151	114,259	200,977	11,308	2,827	75.00
1937.	132,473	1,585,810	1,224,717	361,093	113,979	182,981	11,971	2,726	77.23
1938.	131,923	1,408,785	1,102,225	306,560	127,919	117,544	10,679	2,324	78.24
1939.	131,416	1,514,796	1,144,475	370,321	131,338	178,115	11,527	2,818	75.55

## I Class I and class II roads.

Source: Interstate Commerce Commission; annual report. Statistics of Railways in the United States. See last paragraph of general note, p. 424, regarding current data.

No. 491.—STEAM RAILWAYS (CLASS I)—INCOME ACCOUNT or OPERATING ROADS:  
1921 TO 1939

NOTE.—All figures in thousands of dollars. Switching and terminal companies are excluded

ITEM	1921- 1925 (average)	1926- 1930 (average)	1931- 1935 (average)	19361	19371	19381	1939I		
Revenues.	6,881,856	5,038,339	3,426,801	4,052,734	4,166,069	3,565,491	3,995,004		
Freight.	4,277,134	4,600,341	2,719,977	3,308,541	3,377,909	2,858,077	3,251,096		
Passenger	1,100,503	903,748	391,826	412,379	442,809	405,883	416,903		
Mail.	94,900	111,887	95,530	95,575	97,984	95,963	99,012		
Express	137,886	139,570	57,948	60,187	57,683	48,462	55,190		
All other transportation	123,878	136,665	81,230	86,894	89,159	75,304	82,563		
All other.	141,455	146,128	80,291	89,158	100,525	31,802	90,240		
Erpenses.	4,583,425	4,421,699	2,582,163	2,931,425	3,119,065	2,722,199	2,918,210		
Maintenance, way, etc.	781,577	826,826	392,669	454,810	495,594	420,147	466,831		
Maintenance, equipment- Traffic.	1,297,802	1,178,252	670,879	783,000	826,709	676,507	765,935		
Transportation.	93,919	123,608	96,544	100,128	105,478	102,532	106,735		
All other.	2,194,358	2,054,865	1,235,538	1,405,457	1,510,275	1,361,533	1,417,794		
	215,769	238,148	186,533	188,030	181,009	161,480	160,915		
Net revenue from railway operations.	1,298,431	1,616,640	844,638	1,121,309	1,047,004	843,292	1,076,794		
Deduct-									
Tax accruals.	321,536	379,941	260,971	319,753	325,665	340,782	355,677		
Uncollectible revenues.	1,805	1,427	1,099	(2)	(?)	(2)	(2)		
Equipment rents	57,659	91,786	88,963	94,458	95,021	94,965	96,518		
Joint facility rents.	23,742	28,583	35,866	39,751	36,114	34,671	35,770		
Net railway operating in- come.	883,599	1,114,903	457,739	667,347	590,204	372,874	588,829		
	EASTERN DISTRICT			SOUTHERN DISTRICT			WESTERN DISTRICT		
ITEM	19371	19381	19391	19371	19381	19391	19371	19381	19391
Revenues.	1,812,675	1,474,831	726,110	767,584	681,867	754,098	1,585,810	1,408,786	1,614,736
Freight.	1,413,213	1,119,730	348,811	654,127	581,449	651,372	1,310,569	1,156,898	1,250,913
Passenger.	243,425	224,193	232,376	60,943	53,217	53,474	138,441	128,473	131,653
Mail.	37,418	36,573	37,893	17,056	16,523	16,918	43,510	42,767	44,201
Express.	23,520	17,644	22,934	11,732	10,203	11,035	22,431	20,615	21,221
All other trans- portation	45,338	36,565	40,161	9,667	8,333	8,624	34,154	30,400	33,778
All other.	49,761	40,134	43,935	14,059	12,012	12,675	36,705	29,626	33,630
Expenses.	1,362,759	1,136,002	1,258,339	531,589	483,972	514,396	1,224,717	1,102,225	1,144,475
Maintenance, way, etc.	195,661	153,419	177,082	85,688	76,489	83,294	214,245	190,239	206,455
Maintenance, equipment.	374,118	282,462	339,833	149,647	131,039	145,713	302,944	263,006	280,389
Traffic.	38,783	37,245	38,686	19,854	19,519	20,209	46,841	45,768	47,840
Transportation.	676,732	596,358	637,442	245,645	228,736	236,901	587,898	536,430	543,451
All other.	77,465	65,518	66,296	30,755	28,189	28,279	72,789	66,773	66,340
Net revenie from Talway operations.	449,916	338,837	466,771	235,995	197,895	239,702	361,093	306,560	370,321
Deduct-									
Tax accruals.	143,458	143,607	149,887	68,229	69,256	74,452	113,978	127,919	131,338
Equipment rents.	39,326	40,689	44,230	3,783	5,327	3,558	51,912	48,949	48,730
Joint facility rents.	19,938	18,635	19,790	3,954	3,888	3,842	12,222	12,148	12,138
Net railway operat- ing income.	247,194	135,906	252,864	160,029	118,424	157,850	182,981	117,544	178,115

1 Rail line and water line transportation combined in the several accounts; water line transportation included in "All other" in prior years.

1 Account eliminated.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States See last paragraph of general note, p. 424, regarding current data.

No. 492. - STEAM RAILWAYS (CLASS I)- RAILWAY TAX ACCRUALS, BY STATES:  
1920 TO 1938

NOTE. Data for all years excludes switching and terminal companies and includes nonoperating subsidiaries. Total railroad taxes, Federal and State, in 1938, by classes, were as follows: Class I and subsidiaries, \$343,193,790 including \$31 British, \$723,421 Canadian, \$11, Cuban, and \$112,524 Mexican taxes and an adjustment of \$27,901 not localized by States; class II and subsidiaries, 4,648,548, class III and subsidiaries, \$808,092; switching and terminal companies, \$16,117,135; grand total, \$364,767,565

STATE	AMOUNT (THOUSANDS OF DOLLARS)						PER MILE OF LINE (DOLLARS)			
	1920	1925	1930	1935	1937	1938	1930	1935	1937	1938
Total.	282,761	359,370	349,207	238,372	328,251	342,386	1,519	1,062	1,475	1,546
U. S. Government taxes.	50,543	87,680	40,986	26,796	69,997	77,423	178	119	315	350
New England:										
Maine.	1,725	1,977	1,908	1,232	1,359	1,488	963	630	732	807
New Hampshire.	1,005	1,042	1,125	718	829	816	990	703	844	826
Vermont.	451	453	407	413	463	606	540	553	618	839
Massachusetts.	3,339	3,920	4,709	3,964	4,766	5,227	2,369	2,058	2,489	2,827
Rhode Island.	585	604	687	664	715	741	3,933	3,570	3,845	4,164
Connecticut.	1,975	2,058	1,672	711	961	981	1,737	731	989	1,090
Middle Atlantic:										
New York.	17,861	22,613	27,378	23,685	28,763	32,670	3,491	3,039	3,753	4,351
New Jersey.	11,189	17,355	20,442	17,520	19,122	20,362	9,951	8,998	9,903	10,545
Pennsylvania.	9,342	11,134	12,440	9,342	17,230	14,384	1,235	923	1,732	1,453
South Atlantic:										
Delaware.	165	182	166	151	280	297	567	501	934	1,000
Dist. of Columbia.	79	126	144	138	281	355	4,178	3,937	8,016	10,156
Maryland.	2,004	1,352	2,076	1,748	2,762	2,659	1,829	1,537	2,436	2,347
Virginia.	4,695	5,614	7,318	5,192	6,491	6,819	1,759	1,259	1,561	1,643
West Virginia.	3,879	6,046	8,109	8,229	8,373	8,403	2,193	2,318	2,379	2,372
North Carolina.	2,129	4,748	5,392	3,696	4,239	4,217	1,399	994	1,147	1,154
South Carolina.	1,951	2,840	3,489	2,396	2,486	2,231	1,106	763	796	721
Georgia.	2,481	3,310	3,966	2,434	3,046	3,361	719	448	561	619
Florida.	2,167	3,888	4,964	3,039	2,981	3,231	965	613	621	673
East North Central:										
Ohio.	16,842	18,518	19,928	10,452	13,989	14,125	2,334	1,240	1,662	1,681
Indiana.	9,422	11,627	13,852	6,520	7,691	7,846	2,011	956	1,147	1,174
Illinois.	16,422	21,576	22,084	13,610	17,527	17,520	1,827	1,145	1,483	1,482
Michigan.	7,579	7,656	10,816	5,346	6,535	5,656	1,469	771	951	971
Wisconsin.	6,876	7,295	7,201	4,921	6,411	5,869	1,034	734	814	884
West North Central:										
Minnesota.	9,753	7,965	6,778	4,291	7,384	6,099	823	528	917	759
Iowa.	7,855	6,842	8,026	3,804	4,266	4,074	831	404	464	449
Missouri.	3,359	3,716	4,284	3,336	4,352	4,644	566	471	622	669
North Dakota.	4,997	4,290	4,110	2,114	2,515	2,714	799	410	490	529
South Dakota.	3,718	3,161	2,696	2,191	1,897	1,828	644	532	462	448
Nebraska.	4,159	4,747	4,622	3,060	3,923	3,988	749	501	643	655
Kansas.	6,188	6,670	8,871	5,232	6,963	6,899	968	721	810	807
East South Central:										
Kentucky.	2,184	4,246	5,373	3,552	5,299	5,747	1,411	979	1,466	1,597
Tennessee.	2,584	3,107	3,629	2,558	3,337	3,693	1,002	725	970	1,074
Alabama.	2,548	2,687	3,681	2,378	2,463	2,558	797	522	544	567
Mississippi.	3,612	5,064	5,047	2,937	3,424	3,320	1,322	801	934	905
West South Central:										
Louisiana.	3,788	4,578	5,098	4,087	4,206	4,415	1,280	1,046	1,080	1,135
Texas.	5,098	6,514	7,614	5,487	6,611	7,088	494	367	448	481
Oklahoma.	5,463	5,682	6,468	3,667	4,103	4,390	994	560	648	704
Arkansas.	3,912	2,643	3,025	2,290	2,299	2,499	690	539	553	603
Mountain:										
Montana.	4,284	4,728	5,178	4,460	4,821	4,631	1,016	881	959	921
Wyoming.	1,213	1,659	1,970	1,671	2,001	2,088	1,071	909	1,088	1,126
Colorado.	3,344	3,719	4,271	3,363	4,664	4,637	972	773	1,146	1,137
New Mexico.	2,467	2,212	2,785	1,883	2,055	1,912	993	693	755	703
Arizona.	1,572	2,485	3,100	3,055	2,621	2,800	1,403	1,491	1,281	1,368
Utah.	1,856	2,161	2,404	2,243	2,371	2,520	1,142	1,087	1,160	1,236
Nevada.	1,543	1,762	1,970	1,756	2,046	2,106	1,163	1,041	1,213	1,250
Idaho.	3,844	2,872	3,244	2,516	2,729	2,513	1,219	962	1,009	929
Pacific:										
Washington.	8,795	6,647	7,430	3,882	4,353	4,527	1,480	787	883	919
Oregon.	2,722	2,736	3,064	2,413	2,595	2,786	1,119	782	866	929
California.	7,187	12,863	13,210	6,229	8,656	9,623	1,842	869	1,234	1,384

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

**No. 493.—STEAM RAILWAYS REVENUE FREIGHT ORIGINATED AND CARRIED, BY COMMODITY GROUPS, ALL ROADS, 1906 TO 1915, CLASS I ROADS, 1916 TO 1939**

NOTE.—All figures in thousands of tons of 2,000 pounds. Data relate to years ended June 30 prior to 1916, to calendar years thereafter. Switching and terminal roads excluded beginning with 1908. Figures for 1916 to 1915, inclusive, exclude class III roads but this affects the comparability very slightly; those after 1916 exclude both class II and class III, thereby reducing the grand total about 6 percent. Non-revenue freight is excluded; this is a large item in the case of a few commodities, notably coal.

CLASS OF ROAD AND YEAR OR YEARLY AVERAGE	Total	Prod- ucts of agri- culture	Ani- mals and prod- ucts	PRODUCTS OF MINES		Prod- ucts of forests	MANUFACTURES AND MISCELLA- NEOUS	
				Coal and coke	Other		Carload ship- ments	Less than carload
I. REVENUE FREIGHT ORIGINATED								
Allroads:								
1906-1910.	1930,255	73,864	20,000	824,282	147,864	98,879	162,225	33,991
1911-1915-	11,053,648	99,095	25,731	392,808	192,058	101,143	181,191	41,314
Class I:								
1916-1920.	11,216,452	112,038	32,039	460,120	229,816	97,351	231,901	52,914
1921.	940,183	114,069	24,263	376,221	135,050	76,419	172,169	41,992
1922.	1,023,745	111,787	26,230	351,846	181,152	89,059	220,442	43,229
1923.	1,279,030	109,318	28,254	471,854	241,881	115,618	267,767	44,338
1924.	1,187,296	116,587	27,747	414,499	223,083	108,094	256,737	40,549
1925.	1,247,242	109,313	26,324	424,403	253,933	107,391	285,291	40,557
1926.	1,336,142	111,787	26,243	486,944	270,759	104,851	296,067	39,491
1927.	1,281,611	113,342	26,003	449,891	263,511	99,351	291,073	38,440
1928.	1,285,943	118,022	25,634	432,296	264,287	96,737	312,013	36,954
1929.	1,339,091	115,343	24,907	459,397	278,482	94,855	330,064	36,043
1930.	1,153,197	110,728	23,129	407,937	234,600	69,371	277,765	29,667
1931.	894,186	97,487	21,632	339,536	162,367	43,024	207,366	22,774
1932.	646,223	80,917	18,055	281,224	81,002	26,109	143,682	15,234
1933.	698,943	81,702	17,651	296,478	98,587	33,165	157,009	14,351
1934.	765,296	79,305	20,363	323,500	112,880	35,650	179,253	14,345
1935.	789,627	76,338	15,125	320,628	124,508	12,483	196,506	14,039
1936.	958,830	86,648	16,209	369,101	172,387	53,156	245,037	16,292
1937.	1,015,586	89,460	15,233	367,388	202,357	58,658	265,302	17,188
1938.	771,862	95,390	14,760	287,505	121,330	13,973	194,512	14,392
1939.	901,669	91,564	15,049	330,947	165,992	50,156	233,086	14,875
Eastern district:								
1937.	431,200	18,897	3,888	189,542	50,281	4,796	155,272	8,524
1938.	317,081	18,890	3,657	146,983	33,606	3,502	103,520	6,923
1939.	382,950	19,797	3,860	170,395	45,101	3,503	132,949	7,345
Southern district:								
1937.	240,466	11,395	1,359	145,130	28,069	18,664	32,446	3,403
1938.	197,069	11,906	1,399	114,355	24,546	14,617	27,302	2,944
1939.	221,446	11,086	1,460	131,977	25,976	16,946	30,936	3,065
Western district:								
1937.	343,920	59,168	9,986	32,716	124,007	35,198	77,584	5,261
1938.	257,712	64,594	9,704	26,167	63,178	25,854	63,690	4,525
1939.	297,273	60,681	9,729	28,575	94,915	29,707	69,201	4,465
II. TOTAL REVENUE FREIGHT CARRIED								
Allroads:								
1906-1910.	1,673,431	150,384	38,769	589,884	228,563	168,023	314,007	59,277
1911-1915-	11,881,635	193,252	44,194	712,193	284,499	183,292	356,669	71,347
Class I:								
1916-1920.	2,212,267	225,505	55,199	826,912	340,783	193,436	466,202	93,550
1921-1925.	2,068,262	221,961	46,065	757,498	316,014	192,256	465,097	69,371
1926-1930.	2,341,062	221,019	45,054	852,777	395,987	179,554	584,457	62,214
1931-1935.	1,365,784	157,062	35,572	560,360	172,482	68,348	341,825	30,135
1935.	1,427,042	143,208	30,049	578,848	188,114	79,535	380,324	26,964
1936.	1,712,975	159,523	31,689	664,148	259,025	100,439	467,857	30,294
1937.	1,825,342	164,138	30,222	570,975	307,681	110,975	509,174	32,177
1938.	1,399,259	172,961	30,090	625,182	182,790	83,640	377,709	26,887
1939.	1,636,215	168,808	31,168	600,123	259,109	96,470	452,262	28,275
Sastern district:								
1937.	930,822	50,100	12,896	419,746	124,254	24,515	282,936	16,375
1938.	684,172	52,035	13,037	325,225	69,220	17,603	193,721	13,331
1939.	831,604	54,654	13,650	375,597	107,188	20,218	245,878	14,419
Southern district:								
1937.	360,960	25,843	3,228	183,736	39,398	30,608	70,678	7,469
1938.	300,400	26,601	3,350	146,587	34,081	23,371	59,961	6,449
1939.	338,710	26,216	3,551	168,284	37,480	26,900	69,481	6,798
Western district:								
1937.	533,560	88,195	14,098	67,493	144,029	55,852	155,560	8,333
1938.	414,687	94,325	13,703	63,370	79,489	42,666	124,027	7,107
1939.	465,901	87,938	13,967	56,242	114,441	49,352	136,903	7,058

1 Includes some undistributed freight. 2 Excluding class III. 3 Including receipts from connecting lines.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

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**No. 495. STEAM RAILWAYS (CLASS I)—REVENUE FREIGHT, AVERAGE NUMBER OF WEEKLY CAR LOADINGS, BY PRINCIPAL COMMODITY GROUPS, BY MONTHS: 1935 TO 1939**

NOTE.—Averages for earlier years for all commodities are: 1918, 857,540; 1919, 804,472; 1920, 867,663; 1921, 756,215; 1922, 830,915; 1923, 957,925; 1924, 933,354; 1925, 985,080; 1926, 1,021,131; 1927, 992,996; 1928, 992,113; 1929, 1,015,922; 1930, 382,269; 1931, 714,447; 1932, 541,922; 1933, 561,924; 1934, 593,192

	1935	1936	1937	1938	1939	1935	1936	1937	1938	1939
<b>WEEKLY AVERAGE FOR—</b>	<b>Total, all commodities</b>					<b>Grain and grain products</b>				
Year.	605,849	694,406	124,432	585,713	655,822	30,328	34,707	34,403	37,833	37,314
January.	542,287	608,182	678,612	564,179	575,616	24,269	31,530	30,116	37,443	32,153
February.	585,491	628,034	690,864	538,884	574,347	26,318	30,102	28,652	31,657	28,956
March.	602,080	603,787	746,542	555,735	597,603	26,980	33,484	28,369	33,205	31,305
April.	575,525	642,908	742,581	529,992	566,450	26,900	31,034	29,045	31,934	31,845
May.	577,595	670,169	774,658	546,456	692,973	25,154	30,693	26,634	32,570	34,144
June.	616,434	587,289	752,913	551,932	629,743	25,919	36,300	34,523	37,204	40,374
July.	556,218	730,787	747,976	568,235	537,257	29,975	56,009	49,530	55,847	50,044
August.	619,600	738,631	775,148	598,018	672,290	42,227	41,382	13,234	47,642	42,486
September.	657,121	765,595	792,355	648,702	768,872	40,550	31,779	35,188	37,917	43,754
October.	713,010	819,490	800,079	710,658	843,736	35,589	32,227	37,339	44,774	41,196
November.	626,119	753,667	653,845	632,034	759,936	30,811	32,791	38,392	34,184	37,030
December.	580,631	673,056	550,520	589,431	652,481	27,250	31,177	32,595	32,552	34,244
	<b>Livestock</b>					<b>Coal</b>				
Year.	13,740	14,598	13,877	13,518	13,351	118,167	133,412	134,172	106,553	120,476
January.	14,485	13,285	14,089	14,581	13,194	137,542	153,875	156,593	124,373	128,830
February.	12,452	10,273	11,238	11,280	10,532	142,458	182,902	156,703	110,300	132,280
March.	11,292	11,931	11,375	10,949	10,587	135,370	105,883	167,607	95,231	119,403
April.	12,888	12,984	12,994	11,639	12,240	94,558	112,866	119,704	80,905	69,915
May.	12,570	11,578	13,190	12,660	12,294	102,004	109,370	117,171	85,974	74,259
June.	9,938	11,683	11,038	10,639	9,935	126,023	106,300	112,225	86,368	100,636
July.	9,875	14,004	10,299	11,109	11,096	79,542	112,550	107,580	88,259	107,288
August.	12,869	15,405	14,268	12,267	12,005	98,462	120,150	118,035	95,534	119,021
September.	17,414	18,179	16,978	15,951	17,971	111,259	132,789	138,967	119,909	147,952
October.	21,156	21,854	21,186	21,145	21,048	134,212	158,111	157,887	133,738	169,122
November.	16,132	19,244	16,476	17,260	16,793	124,923	156,160	134,092	127,259	150,132
December.	12,792	14,179	12,773	13,355	12,663	130,538	151,257	128,173	132,360	134,182
	<b>Coke</b>					<b>Ore</b>				
Year.	6,5311	9,232	9,766	5,282	7,956	19,931	31,212	42,454	16,269	31,060
January.	7,540	9,700	11,860	6,624	7,523	3,335	5,792	10,410	7,089	8,359
February.	8,315	10,674	12,081	5,630	7,457	3,742	5,727	10,580	7,140	8,580
March.	5,958	6,882	11,774	4,968	7,214	4,436	5,964	10,955	7,768	8,262
April.	5,600	7,103	10,486	4,006	5,792	9,674	10,598	38,239	7,908	11,545
May.	5,762	8,278	10,241	4,108	4,780	27,030	42,317	73,141	13,847	30,361
June.	5,822	8,283	9,773	4,099	5,683	32,842	49,475	74,328	23,687	41,741
July.	4,564	8,808	10,175	4,224	6,042	33,538	54,348	76,379	22,453	41,870
August.	5,191	8,567	9,651	4,560	6,810	34,562	55,182	74,468	24,569	47,920
September.	6,319	9,645	10,226	5,678	8,912	34,934	56,428	69,699	27,059	55,421
October.	7,500	10,577	9,136	6,032	11,557	31,393	52,846	47,968	27,981	63,195
November.	7,364	11,222	6,934	6,621	11,708	13,001	28,342	15,582	16,366	45,601
December.	8,282	11,027	5,777	6,931	11,880	6,441	8,402	8,021	8,769	10,993
	<b>Forest products</b>					<b>Miscellaneous and I. &amp; L.</b>				
Year.	26,613	32,357	35,154	27,267	30,463	390,538	438,889	454,605	378,993	415,202
January.	18,692	27,869	30,704	25,544	25,831	336,425	366,131	424,841	348,526	350,727
February.	25,280	26,412	34,772	26,304	24,737	366,925	361,945	436,838	346,483	361,805
March.	25,159	30,514	37,542	27,122	26,153	392,886	409,130	478,920	376,494	394,680
April.	25,451	30,681	36,820	24,490	27,941	400,455	437,643	495,294	369,111	407,170
May.	24,939	32,391	40,123	26,219	30,138	380,135	435,543	494,159	371,078	406,998
June.	26,693	33,941	39,421	26,311	30,272	389,198	441,308	471,604	363,623	401,102
July.	26,441	33,858	39,723	25,983	29,607	372,282	451,202	454,291	360,360	391,310
August.	30,345	36,236	40,283	29,882	31,620	395,944	461,709	475,209	383,564	412,421
September.	30,147	34,698	37,480	30,399	34,248	415,728	482,077	483,819	411,790	160,613
October.	31,136	35,660	35,272	31,713	38,004	452,026	508,215	491,092	445,275	499,613
November.	27,062	34,011	27,847	27,333	35,510	406,827	471,897	414,474	103,012	463,162
December.	25,929	31,445	23,315	26,295	31,076	369,401	425,569	339,866	369,169	417,443

Source: Association of American Railroads, Car Service Division, Washington, D. C.; Cars of Revenue Freight Loaded. Weekly reports are published currently.

NO. 496. STBAM-RAILWAY ACCIDENTS NUMBER OF PERSONS KILLED AND INJURED, BY CAUSES OF ACCIDENTS: 1931 TO 1939

NOTE. Figures in this table exclude casualties due to suicide and beginning with 1933 casualties due mental derangement and attempting to escape custody and differ, therefore, from those in table 497 in which such data are included

CAUSE OF ACCIDENT	KILLED					INJURED				
	1931- 1935 average	1936	1937	1938	1939	1931- 1935 average	1936	1937	1938	1939
All accidents.	4,970	5,398	5,350	4,499	4,362	29,816	34,706	36,692	27,253	28,119
Train accidents <sup>1</sup>	225	277	310	293	214	1,125	1,547	1,367	1,073	1,422
Passengers on trains.	8	17	3	52	13	465	742	536	475	776
Travelers not on trains.	80	120	130	92	94	373	553	514	371	431
Employees.	137	150	177	149	107	287	252	317	227	215
Other persons.										
Causes:										
Collisions.	32	63	57	40	22	417	702	553	420	538
Passengers on trains.	3	1	1	9	3	222	404	237	225	324
Travelers not on trains.	25	58	50	28	17	144	240	229	156	166
Employees.	4	4	6	3	2	51	58	87	39	48
Other persons.										
Deraillments.	113	133	119	138	104	577	682	674	511	735
Passengers on trains.	5	6	2	43	9	230	325	289	227	417
Travelers not on trains.	42	43	51	43	63	180	243	239	175	205
Employees.	66	84	66	52	32	167	114	146	109	113
Other persons.										
Other causes.	80	81	134	115	88	131	163	140	142	149
Passengers on trains.					1	13	13	10	23	35
Travelers not on trains.										
Employees.	12	19	29	21	14	48	70	46	40	60
Other persons.	67	62	105	94	73	69	80	84	79	54
Train-service accidents <sup>2</sup>	4,522	4,897	4,808	3,996	3,942	16,219	18,045	18,782	14,429	14,588
Passengers on trains.	26	15	15	17	14	1,525	1,789	1,979	1,786	1,727
Travelers not on trains.	376	473	427	294	306	7,005	8,468	8,780	6,110	6,557
Employees.										
Other persons.	4,120	4,399	4,357	3,679	3,611	7,690	7,779	7,951	6,456	6,237
Causes:										
Coupling or uncoupling locomotives or cars.	15	24	22	6	11	293	329	376	244	285
Coupling or uncoupling air hose.	10	8	7	6		134	157	174	113	121
Operating locomotives.	7	9	8		7	1,007	1,135	1,130	780	790
Operating hand brakes.	14	16	13	17	4	596	694	747	555	601
Operating switches.	1					202	310	287	202	167
Contact with fixed structures.	59	42	31	36	36	258	193	252	171	175
Getting on or off cars or locomotives.	449	313	319	271	256	3,689	3,543	3,722	3,182	3,129
Highway grade-crossing accidents	1,521	1,676	1,748	1,385	1,294	4,135	4,780	4,996	3,848	3,862
Struck or run over, not at public crossings.	1,726	1,926	1,788	1,518	1,536	969	1,086	1,089	798	811
Miscellaneous.	718	883	872	761	793	4,937	5,818	6,009	4,536	4,647
Nontrain accidents <sup>4</sup>	223	224	232	210	206	12,471	15,114	16,543	11,751	12,109
Passengers on trains.	3	3	4	3	2	540	698	706	670	750
Travelers not on trains.	132	126	155	125	132	10,844	13,388	14,820	10,088	10,394
Employees.	88	95	73	82	72	1,087	1,028	1,017	993	965
Other persons.										

<sup>1</sup> Covers collisions, derailments, and other accidents that caused reportable damage to railway property.

<sup>2</sup> Covers accidents associated with train operation resulting in but minor damage, if any, to railway property.

<sup>3</sup> Excludes persons killed and injured at highway grade crossings in connection with derailments and miscellaneous train accidents.

<sup>4</sup> Covers accidents occurring in shops, yards, along the track, or at stations but not connected with the movement of cars or locomotives.

Source: Interstate Commerce Commission, annual Accident Bulletin.

## TRANSPORTATION, AIR AND LAND

## No. 497. STBAM-RAILWAY ACCIDENTS-NUMBER OF PERSONS KILLED AND INJURED, BY STATUS: 1891 TO 1939

NOTE. For various reasons, including the fact that returns were required under different the statistics are not strictly comparable. Prior to 1921, train accidents were those causing damage to property in excess of \$150 or any damage, a resulting casualty. Thereafter they were considered as such when damage exceeded \$150 without a casualty. Where the damage is less than \$150 and there is no reportable casualty it is classified as a train-service accident. Figures for years 1911-1915 include industrial and other nontrain accidents to employees only, and for years 1908-1910 do not cover switching and terminal roads. Otherwise the statement covers all reportable accidents, including those due to suicide, mental derangement, and attempting to escape custody.

YEARLY AVERAGE YEAR ENDED-	TOTAL		PASSENGERS 12		EMPLOYEES 3		OTHER PERSONS		TEEPASSENGERS 2	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
June 30:										
1801-1895.	6,821	35,313	292	2,967	2,315	27,051	595	1,283	3,618	4,011
1896-1900.	5,946	42,248	222	3,237	2,054	32,793	634	1,547	4,036	4,672
1901-1905.	9,326	72,943	392	7,894	3,249	57,209	891	2,793	4,795	5,047
1906-1910.	10,210	105,617	385	11,625	3,572	83,502	994	4,830	5,258	5,660
1911-1915.	10,174	174,941	273	13,382	3,273	148,640	1,262	6,836	5,366	6,083
Dec. 31;										
1916-1920.	8,662	176,693	304	7,419	2,855	157,523	2,074	8,460	3,429	3,291
1920.	6,958	168,309	229	7,591	2,578	149,414	1,985	8,936	2,166	2,368
1921.	5,996	120,685	205	5,584	1,446	104,530	1,864	7,500	2,481	3,071
1922.	6,325	134,871	200	6,153	1,657	117,197	2,038	8,677	2,430	2,844
1923.	7,385	171,712	138	5,847	2,026	152,678	2,442	10,140	2,779	3,047
1924.	6,617	143,739	149	5,354	1,543	125,319	2,369	10,213	2,556	2,853
1925.	6,766	137,435	171	4,952	1,599	119,224	2,412	10,571	2,584	2,688
1926.	7,090	130,235	152	4,461	1,672	111,903	2,705	11,326	2,561	2,545
1927.	6,992	104,817	88	3,893	1,570	88,223	2,608	9,976	2,726	2,725
1928.	5,680	86,205	91	3,468	1,329	70,873	2,773	9,497	2,487	2,367
1929.	6,690	77,013	114	3,846	1,428	60,739	2,724	10,082	2,424	2,346
1930.	5,665	49,443	61	2,666	977	35,872	2,218	8,230	2,409	2,675
1931.	5,271	35,671	46	2,104	677	23,358	2,059	7,232	2,489	2,977
1932.	4,905	29,232	27	1,912	579	17,742	1,722	6,214	2,577	3,364
1933.	5,180	27,516	51	2,067	533	15,932	1,704	5,915	2,892	3,602
1934.	5,020	28,641	38	1,945	556	17,338	1,729	6,573	2,697	2,785
1935.	5,258	28,108	30	1,949	600	16,742	1,842	6,711	2,786	2,706
1936.	5,550	34,723	41	2,548	720	22,409	1,988	7,348	2,801	2,418
1937.	5,502	36,713	34	2,594	712	24,114	2,102	7,703	2,654	2,302
1938.	4,649	27,275	81	2,345	513	16,569	1,695	6,253	2,360	2,108
1939.	4,492	28,144	40	2,580	536	17,383	1,564	6,225	2,352	1,956

Data cover passengers on trains and travelers not on trains.

: Casualties sustained in nontrain accidents included with "other persons."

per 100 of 1921 casualties sustained by employees not on duty in nontrain accidents included with "other

Source: Interstate Commerce Commission, annual Accident Bulletin.

## No. 498.- STEAM RAILWAYS (CLASS 1)-FUEL CONSUMPTION AND RAIL AND TIE REPLACEMENTS: 1936, 1937, AND 1938

NOTE. Rails and ties laid in new construction are not included. A short ton is 2,000 pounds; along ton, 2,240 pounds.

	ALL DISTRICTS			1938		
	1936	1937	1938	Eastern district	Southern district	Western district
Consumption of fuel by locomotives:						
Anthracite.	1,000 short tons-	435	473	433		
Bituminous coal.	do.	81,130	82,667	68,794		21,604
Fuel oil	1,000 gallons..	2,353,484	2,581,441	2,240,299	31,005	2,200,847
Other fuel equivalent 1,000 short tons.	35	31	36	4	2	30
Total, coal equivalent	96,756	99,733	83,664	31,487	16,378	35,799
Rails laid in replacement, and Detterment:						
Total tonnage.	1,000 long tons.-	1,701	1,975	335	250	618
Total charges 3-	1,000 dollars.-	53,501	62,558	9,998	8,794	21,875
Ties laid in previously constructed tracks:						
Cross ties.	thousands.	47,361	47,730	41,363	9,298	23,307
Switch and bridge ties.	1,000 board feet..	167,378	159,430	141,888	38,758	
Total charges 3.	1,000 dollars..	56,783	60,160	54,293	14,659	38,849
						20,260

The ratio of fuel oil to coal based upon the experience of the various include equivalent a small amount of miscellaneous fuel. roads. The total charges shown not include the labor cost of applying the rails or ties.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

## No. 499.— EXPRESS COMPANIES-INCOME ACCOUNT: 1921 TO 1939

NOTE.—In thousands of dollars, Mileage operated by Railway Express Agency, Inc., 1939: Total, 282,369; steam road, 204,793; electric line, 2,555; steamboat line, 20,648; airplane, 40,767; stage line, 13,605

CALENDAR YEAR	Receipts for transportation	Paid for express privileges	Total operating revenues	Operating expenses	Net operating revenues	Express taxes	Operating income	Other income	Net income
American Railway Express Co.:									
1921	294,664	113,491	184,897	182,265	2,631	2,095	508	2,074	2,309
1925	290,303	143,832	149,715	146,433	3,282	2,059	1,195	1,088	2,184
1929-45	41,104	18,554	23,083	22,560	523	327	193	193	381
Railway Express Agency, Inc.:									
1929-46	242,216	127,591	117,628	115,535	2,093	1,343	734	687	20
1931	192,044	81,221	113,997	111,181	2,816	1,343	1,457	302	4
1932	137,703	53,085	87,436	84,513	2,923	1,380	1,513	234	75
1933	118,673	44,468	76,503	73,416	3,087	1,524	1,535	186	76
1934	130,953	50,530	82,907	79,756	3,151	1,518	1,612	156	
1935	138,751	53,170	88,068	84,899	3,169	1,548	1,603	148	4
1936	155,446	59,326	98,634	92,668	5,966	4,534	1,418	191	75
1937	160,788	58,009	105,396	100,441	4,955	3,395	1,528	167	22
1938	155,590	50,478	107,640	98,827	8,813	6,401	2,394	173	731
1939	167,179	57,803	111,976	104,158	7,818	6,967	831	192	2
Southeastern Express Co.:									
1921-8	4,374	1,649	2,781	2,719	61	25	37	10	47
1925	8,041	3,912	4,241	4,086	155	86	67	20	87
1929	8,007	3,900	4,244	4,098	146	110	35	38	73
1931	5,603	2,117	3,585	3,443	142	89	51	17	68
1932	4,174	1,420	2,848	2,726	122	78	43	21	64
1933	4,326	1,537	2,905	2,769	136	94	38	15	53
1934	5,060	2,049	3,135	3,003	132	96	35	11	46
1935	5,520	2,234	3,406	3,250	156	96	57	3	60
1936	6,270	2,484	3,903	3,705	198	140	57		57
1937	6,102	1,997	4,221	3,930	291	242	48		49
1938-9	3,122	746	2,436	2,270	166	158	6	i	7

Includes revenues from sources other than transportation.

Deducting, besides taxes, a small amount of uncollectible revenue.

Sum of 2 preceding columns less deductions:

Result of operations for 2 months ended Feb. 28, 1929.

Operations taken over by Railway Express Agency, Inc.

Result of operations for 10 months ended Dec. 31, 1929.

Deficit.

Result of operations for months ended Dec. 31 1921.

Result of operations for 2 months ended July 31, 1938.

## No. 500. PULLMAN COMPANY SUMMARY OF OPERATIONS: 1910 TO 1939

[All money figures in thousands of dollars]

YEAR ENDED-	Gross revenues, car operations	Association revenues, debtor	Contract revenues, debtor 1	EXPENSES, CAR OPERATIONS		Net revenues, car operation	Operating income	REVENUE PASSENGERS CARRIED	
				Total	Conducting car operations			Thousands	Number per car-day *
June 30:									
1910	35,334	66	893	23,962		11,372	13,151	20,203	14
1915	38,723	467	1,954	26,633	1,716	12,090	10,816	24,252	12
Dec. 31:									
1920	72,124		13,155	61,031	30,805	11,093	9,304	39,255	16
1924	72,753		9,075	61,609	30,023	11,149	7,755	34,086	12
1925	80,198		8,873	63,513	32,247	16,685	12,546	35,526	12
1926	81,834		9,463	68,204	35,009	13,630	9,565	36,073	11
1927	80,952		8,906	66,503	34,848	14,449	10,360	35,197	11
1928	80,846		8,604	66,656	34,935	14,190	10,938	33,924	11
1929	82,384		8,704	69,490	36,191	12,894	9,185	33,434	10
1930	76,234		5,534	68,960	35,379	7,274	4,937	29,360	9
1931	62,558		2,573	57,243	27,386	5,315	3,009	22,985	9
1932	43,366		1,550	42,465	19,276	901	31,220	15,750	8
1933	38,436		1,325	37,888	16,358	548	3564	13,717	8
1934	44,070		2,361	41,976	17,527	2,094	400	15,105	8
1935	48,428		2,683	49,077	19,723	3649	31,647	15,479	8
1936	56,347		4,580	50,102	20,258	6,245	3,454	17,198	9
1937	62,112		3,834	54,566	22,081	7,547	4,219	17,745	9
1938	56,963		2,762	51,549	21,812	5,414	1,503	15,540	8
1939	58,524		3,946	52,895	21,943	5,629	2,176	15,655	8

1 Amounts due other carriers under the provisions of definite contracts. 2 Not separated. 3 Deficit.

Source of tables 499 and 500: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

# NO. 501. THE ALASKA RAILROAD- SUMMARY OF PASSENGER AND FREIGHT SERVICES: YEARS ENDED JUNE 30, 1938 AND 1939

	1938	1939		1938	1939
Road mileage operated-monthly average.	500.8	500.8	FREIGHT TRAFFIC		
PASSENGER TRAFFIC			Freight-train miles.	95,681	100,690
Passenger-train miles 1	99,299	101,151	Mixed-train miles.	8,829	7,670
Mixed-train miles.	8,829	7,670	Loaded cars, 1 mile, freight and mixed trains.	1,622,003	1,696,962
Passenger-car miles, passenger trains 1	2409,962	2422,199	Empty cars, 1 mile, freight and mixed trains.	1,152,129	1,164,248
Passenger-car miles, mixed trains.	311,136	115,475	All cars, 1 mile.	2,774,132	2,855,210
Total revenue passengers carried.	26,026	27,436	Tons of revenue freight carried:		
Revenue passengers carried 1 mile.	4,247,677	5,067,112	Coal	106,636	104,066
Total passenger revenue.	\$232,342	\$259,452	Miscellaneous.	19,197	53,838
Average revenue per passenger per mile.	\$0.05469	\$0.05120	Tons of revenue freight carried 1: mile	26,235,530	27,826,082
			Total freight revenue.	\$1,568,946	1,634,393
			Average revenue per ton per mile.	\$0.05968	\$0.05874

Excluding motor miles.

Includes actual miles by passenger-train cars in passenger and special trains and miles run by such incidentally in freight trains.

Includes 9,247, baggage-car miles.

Includes 7,715 Baggage-car miles.

Source: Department of the Interior, Division of Territories and Island Possessions.

## NO. 502. ELECTRIC RAILWAYS-SUMMARY: 1890 TO 1937

NOTE.- The census of street railways, which was first taken in 1890, and which has been taken at quinquennial intervals beginning with the inquiry for 1902, covers (1) all street railways, without regard to kind of motive power, and (2) all interurban railways using other than steam as motive power. The nonelectric railroads included are those operated principally by cable and gasoline engines. Operations of electrified divisions of steam-railway companies are not included. Figures in this table and tables 503-505, 507-509 do not include data for motorbus and trolley-bus operations of electric street railways. (For motorbus and trolley-bus statistics from census reports, see tables 510-512)

	1890	1902	1912	1922	1927	1932	1937
Number of companies	789	987	1,260	21,200	2963	2706	3,478
Miles line operated 3.	5,783	16,645	30,438	31,264	27,948	20,110	14,214
Miles all track operated 3	3,123	22,577	41,065	43,932	40,722	31,548	23,770
Value of road and equipment (thousand dollars).	389,357	2,167,634	4,596,563	5,058,762	(4)	4,143,381	4,399,768
Number employees 5	70,764	140,769	282,461	300,119	264,575	6182,165	152,476
Number of passenger cars.	32,505	60,290	76,162	77,301	70,309	59,692	44,864
Revenue passengers, including pay-transfer (thousands).	2,023,010	4,774,212	9,545,555	12,566,558	12,174,592	7,955,981	7,485,290
Operating revenues (thousand dollars) 8	90,617	247,554	567,512	1,016,719	927,774	566,290	513,129
Operating expenses (thousand dollars) 8	62,011	142,313	332,896	727,795	694,460	442,607	406,119
Operating ratio (percent).	68.4	57.5	58.7	71.6	74.9	78.2	79.1

1 Excludes data for 22 companies, operating on a part-year basis. These companies reported 36,810,221 passengers; 9,108,009 car-miles; 1,042,866 car-hours; \$2,388,295, operating revenue; and \$2,412,010, operating expense.

2 Includes certain companies in Pennsylvania which maintained separate organizations, though controlled through stock ownership by other companies. For 1912 these companies were treated as merged and not included in the number reported.

3 Includes small mileage of track lying outside United States.

4 Data incomplete. Some of the companies engaged in both light-and-power and electric-railway operations were unable to report separately the values of plant and equipment assignable to their railway activities.

5 Number reported as of June 30, for 1890, 1922, 1927, and 1932; for 1902, average for the year; for 1912, as of Sept. 16. Figures for 1937 represent an average of numbers reported on June 30 and Dec. 31.

6 Includes 29,721,000 trolley-bus passengers. Includes auxiliary operating revenues of \$8,905,000 for 1927 and \$91,242,000 for 1922; auxiliary expenses, \$7,822,000 for 1927, and \$49,232,000 for 1922. Data for operating revenues and operating expenses of auxiliary operations excluded so far as possible for earlier years.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Street Railways and Trolley-Bus and Motorbus Operations.

## No. 503.- ELECTRIC RAILWAYS: TRACK MILEAGE, EQUIPMENT, TRAFFIC, AND PERSONNEL: 1917 TO 1937

NOTE.—See headnote, table 502

	ALL COMPANIES					SURFACE LINES	
	1917	1922	1927	1932	1937	1932	1937
Number of operating companies.	943	858	682	485	294	478	290
Miles of single track 1	44,835	43,932	40,722	31,548	23,770	30,519	22,984
First track (length of line)	32,548	31,264	27,948	20,110	14,214	19,783	13,959
Second and other tracks.	12,288	12,668	12,774	11,438	9,556	10,736	9,025
Electric track with:							
Overhead trolley.	42,491	41,418	38,246	29,448	(2)	29,379	(2)
Third rail and conduit trolley.	2,051	2,314	2,270	1,886		927	
Other (electric).	137	78	95	102	8	102	8
Number of cars.	102,603	99,255	93,246	79,984	58,371	67,395	49,522
Passenger.	79,914	77,301	70,309	59,692	44,864	50,593	38,231
Express, freight, and mail	11,534	11,406	13,337	12,509	8,127	9,266	6,142
Service cars.	11,155	10,548	9,600	7,783	5,380	7,480	5,149
Number of Electric locomotives	357	404	462	609	533	464	410
Electric energy (1,000 kilowatt-hours) 8	12,187,851	12,405,053	9,389,597	7,343,517	6,864,077	5,935,176	5,567,919
Generated 3	7,240,503	6,473,451	2,975,863	2,433,176	1,440,874	1,265,000	
Purchased.	4,947,348	5,931,602	6,413,734	4,910,341	5,423,204	4,570,175	8
Passengers carried (thousands).	14,506,915	15,331,400	14,901,435	9,854,185	9,416,783	7,814,741	1,831,805
Revenue passengers, including pay transfer.	11,304,661	12,666,558	12,174,592	7,926,260	7,485,290	5,892,641	5,902,348
Free-transfer passengers.	3,021,138	2,496,570	2,571,249	1,823,870	1,805,864	1,823,646	1,805,615
Free passengers.	181,116	168,272	155,594	104,055	125,629	98,453	123,842
Revenue car mileage (thousands)							
Passenger	2,139,802	2,124,523	2,163,773	1,681,491	1,489,691	1,284,611	1,168,176
Express, freight, and mail.	2,087,819	2,068,294	2,084,566	1,642,023	1,442,406	1,245,143	1,120,891
Average number of revenue passengers:	51,983	56,229	79,207	39,468	47,285	39,468	47,285
Per mile of all track 5	252,323	288,600	299,733	251,244	314,905	193,081	256,802
Per passenger-car hour.	56.79	64.25	61.97	54.43	57.65	48.79	53.70
Revenue car-hours (thousands).	203,057	201,838	202,513	147,836	133,812	122,993	113,896
Passenger	199,053	197,146	196,464	145,630	129,838	120,787	109,921
Express, freight, and mail.	4,004	4,692	6,049	2,206	3,974	2,206	3,974
Salaried employees:							
Number.	27,151	30,239	27,845	20,260	18,068	18,448	15,717
Salaries (thousand dollars).	33,910	57,489	56,647	40,147	38,630	35,621	32,878
Wage earners:							
Number.	267,675	269,880	236,730	616,190	134,408	613,923	114,423
Wages (thousand dollars).	233,331	387,643	380,978	624,166	217,744	619,124	184,455
Conductors and motormen:							
Number.	136,184	130,224	113,180	678,928	72,140	674,173	
Wages (thousand dollars).	127,222	204,690	196,636	612,175	122,869	611,247	8
Other wage earners:							
Number	131,491	139,656	123,550	82,977	62,268	57,750	
Wages (thousand dollars).	106,109	182,953	184,341	119,934	94,875	78,749	8
Accidents (fatalities and injuries), total.	144,427	111,132	138,219	118,456	141,944	96,278	122,594
Killed or died from injuries.	2,573	1,679	1,606	944	943	850	817
Injured, but not killed.	141,854	109,453	137,613	117,512	141,001	95,428	121,777

1 Includes mileage of track lying outside United States, as follows: 1917, 1922, and 1927, 27 miles; 1932, 24 miles.

2 No comparable data. Figures for first track of all companies are: Overhead trolley, 18,150; third rail and conduit trolley, 797; other electric, 103; other than electric, 164.

3 Figures for 1917 and 1922 include data for light and power departments of electric-railway companies and therefore are not comparable with those for later years, which exclude such data.

4 Not available. Figures of all track operated for 1937 and 1932; for prior years based on total track mileage operated by roads which carried revenue passengers.

5 Includes 334 trolley-bus operators with wages of \$551,000.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Street Railways and Trolley-Bus and Motorbus Operations.



**No. 504. ELECTRIC RAILWAYS—TRACK MILEAGE, PASSENGER TRAFFIC, PASSENGER REVENUE, AND REVENUE CAR-MILEAGE, BY STATES: 1932 AND 1937**

NOTE.—See headnote, table 502. Figures represent total activities of companies domiciled in the respective States, some of which companies operate in other States.

DIVISION AND STATE	MILES OF TRACK OPERATED		REVENUE PASSENGER (THOUSANDS)		PASSENGER REVENUE (THOUSANDS OF DOLLARS)		REVENUE CAR-MILES (THOUSANDS)		Express, mail, and freight cars
	1932	1937	1932	1937	1932	1937	Total	Total	
United States.	31,045,223	37,707,926	2,607,486	2,805,118	1,060,471	1,065,168	1,491,489	1,442,406	47,285
New England.	2,443	1,202	528,674	382,547	43,262	31,875	106,242	64,788	366
Maine.	276	192	14,403	11,389	1,437	969	6,814	4,497	213
New Hampshire.	87	53	4,839	3,289	410	265	1,838	1,071	9
Vermont and Rhode Island 2-	292	317	64,884	72,357	9,723	4,897	20,460	13,824	70
Connecticut.	1,305	640	367,594	205,512	31,692	25,744	68,820	45,387	74
Massachusetts.	6,924	5,525	256,473	40,490	462,183	365,106	664,045	638,212	1,455
Middle Atlantic.	3,295	2,535	280,404	267,841	32,080	35,256	492,408	495,100	594
New York.	701	727	175,170	97,611	9,184	5,112	23,459	13,244	5
New Jersey.	2,928	2,270	764,809	725,357	57,243	53,093	148,178	129,867	856
Pennsylvania.	8,168	5,055	1,706,211	823,369	117,251	111,780	385,595	345,842	14,626
E. N. Central.	2,551	1,767	420,642	453,238	25,743	25,169	83,663	69,963	3,888
Ohio.	1,648	1,218	97,681	86,307	7,399	7,044	41,971	33,679	7,278
Indiana.	2,490	1,980	806,557	881,819	63,817	65,311	194,267	188,199	2,507
Illinois.	832	990	369,624	401,994	12,806	20,206	37,936	54,001	954
Michigan.	3,228	2,614	401,915	360,451	34,188	29,109	122,072	97,899	5,432
W. N. Central.	630	588	121,041	115,744	9,387	8,953	29,403	25,236	32
Minnesota.	872	825	32,169	30,095	2,652	2,349	15,881	15,058	4,884
Iowa.	1,028	791	208,052	187,114	18,660	15,392	61,094	49,121	30
Missouri.	296	169	30,333	26,862	2,646	2,289	7,911	6,962	16
North Dakota 2-	502	241	3,203	635	843	125	7,046	1,523	469
Nebraska 2-	2,764	2,015	416,799	419,083	32,931	30,756	119,933	95,847	4,650
Kansas.	268	713	99,494	242,693	19,510	19,145	39,761	47,155	63
South Atlantic.	488	334	62,607	58,945	3,871	3,394	17,782	13,314	228
Delaware and Dist. of Columbia 2-	380	302	32,545	37,511	2,527	2,659	11,934	9,311	44
Maryland 2-	125	139	13,946	913			5,641		
Virginia.	310	549K	5,954	59,490	395	4,448	6,283	20,406	4,314
West Virginia.	354		52,279		4,057		15,888		
North Carolina 3-	199	117	28,051	20,444	1,658	1,110	8,487	5,662	5,662
Georgia 2.	1,182	724	172,367	149,207	11,880	9,948	47,455	33,607	33,574
Florida.	443		68,547		4,879		17,496		33
E. S. Central.	27	4314	1,615	93,065	101	6,068	1,172	19,971	19,956
Kentucky 2.	304		40,101		2,450		12,539		15
Mississippi 2.	4095	293	62,104	56,142	4,450	3,880	16,248	13,635	18
Alabama 2.	1,500	1,029	180,443	144,265	13,301	9,986	59,200	52,733	49,810
Tennessee.	405	194	13,725	72,442	794	4,836	5,138	12,430	12,430
W. S. Central.	310	325	10,994	9,472	1,040	814	7,548	5,337	3,909
Arkansas.	878	510	87,765	62,351	6,648	4,336	33,005	34,965	33,470
Louisiana 5.	1,004	852	55,464	48,216	4,613	3,913	21,404	20,676	12,730
Oklahoma.									7,946
Texas.									
Mountain.									
Montana, Colo- rado, and Ari- zona 2-	190	456	3,757	42,622	237	3,351		15,817	10,800
Montana.	308		34,063		2,834		2,344		5,017
Colorado.							10,639		
Arizona 2-	506	396	17,644	5,594	1,542	562	8,421	4,859	1,930
Utah 2									2,929
Pacific.	4,334	3,847	622,915	658,711	41,263	41,288	155,544	140,087	130,233
Washington 2	345	873	71,429	82,190	5,385	7,303	23,558	29,608	27,924
Oregon 2.			45,334		3,189		13,165		1,683
California.	3,008	2,974	506,152	576,521	32,689	33,985	116,821	110,479	102,309

Including pay transfers.

: Except for track mileage, data were combined to avoid disclosing individual operations.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Street Railways and Trolley-Bus and Motorbus Operations.

# No. 505.—ELECTRIC RAILWAYS—INCOME ACCOUNT OF OPERATING COMPANIES: 1922 TO 1937

NOTE.—See headnote, table 502.

[All figures except percentages in thousands of dollars!]

	ALL COMPANIES			SURFACE LINES	
	1922	1927	1932	1932	1937
Gross operating revenue.	1,009,747	921,230	996,309	864,016	877,189
Railway operations.	925,477	918,869	1,566,290	513,129	447,169
Transportation, total	895,019	882,531	539,661	497,079	(2)
Passenger.	854,663	834,601	518,050	471,065	408,431
All other.	40,357	47,930	21,601	26,015	24,849
Miscellaneous	30,458	36,338	26,629	16,049	8
Auxiliary operations <sup>3</sup>	84,269	2,361	130,019	350,887	130,019
Operating expenses, total.	720,823	687,933	680,581	643,360	601,857
Railway operating expenses.	678,563	636,638	1,442,607	406,119	363,883
Way and structures.	102,063	96,285	61,000	60,510	48,674
Equipment.	87,237	92,865	55,921	52,267	43,993
Power.	107,246	98,502	70,647	61,119	56,420
Conducting transportation.	286,690	294,322	186,515	173,516	154,633
All other.	95,388	104,564	68,524	58,707	60,163
Auxiliary operations <sup>3</sup>	42,260	1,295	237,974	237,242	237,242
Ratio of expenses to revenue (percent).	71.4	74.7	68.3	74.5	68.6
Net operating revenue.	288,924	233,297	315,728	220,656	275,331
Taxes—	64,788	57,809	40,670	40,400	33,416
Operating income.	224,136	175,488	275,058	180,255	241,915

1 Figures for 1932 strictly comparable with those for 1937 because of the inclusion for 1932, and the exclusion for 1937 of a small amount of data for trolley-bus operations.

Not available.

2 Represents principally the operations of such utilities as light, power, gas, heat, and water, except for 1927, when only the incidental sales of such service are included. Does not include motorbus orrolley-bus operations of street railways.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Street Railways and Trolley-Bus and Motorbus Operations.

## No. 506.—ELECTRIC RAILWAYS—RECEIVERSHIPS AND TRUSTEESHIPS: 1910 TO 1939

YEAR	RECEIVERSHIPS OR TRUSTEESHIPS INSTITUTED				TERMINATED UNDER FORECLOSURE			
	Number of companies	Miles of track	Outstanding securities		Number of companies	Miles of track	Outstanding securities	
			Stock	Bonds			Stock	Bonds
		Dollars	Dollars			Dollars	Dollars	Dollars
1910.	11	697	12,629,400	75,490,735	22	724	19,106,613	26,374,075
1914.	10	362	35,562,550	19,050,460	11	181	26,239,700	44,094,241
1915.	27	1,163	40,557,950	39,036,100	19	308	30,508,817	16,759,997
1916.	15	350	14,119,168	11,434,708	19	430	13,895,400	22,702,300
1917.	21	1,288	33,597,305	33,344,800	26	745	27,281,900	27,313,045
1918.	29	2,106	92,270,779	172,015,103	23	524	37,740,325	20,149,384
1919.	51	3,856	209,424,110	305,760,151	29	2,675	89,893,400	79,835,738
1920.	19	1,055	36,467,105	57,755,850	13	260	7,782,400	11,227,328
1921.	18	954	31,714,450	34,252,550	13	778	33,642,255	30,863,526
1922.	14	702	17,596,050	25,160,800	13	323	7,491,500	12,640,600
1923.	12	333	6,760,100	13,255,300	15	927	118,077,959	110,638,250
1924.	13	1,164	30,355,585	40,290,355	14	869	21,022,800	34,845,535
1925.	13	1,129	36,291,045	48,682,084	13	569	18,074,300	18,329,555
1926	16	1,281	16,871,390	117,743,311	28	1,291	20,054,700	57,340,363
1927.	12	567	16,895,523	20,292,816	16	941	53,345,000	78,445,100
1928.	8	396	8,467,200	15,014,400	8	1,004	26,084,325	40,683,400
1929.	5	500	39,035,000	36,373,900	10	510	18,472,990	21,173,700
1930.	15	1,765	79,647,700	97,442,081	8	1,055	36,254,965	14,564,000
1931	16	1,526	40,782,922	45,155,383	12	845	38,206,600	19,769,600
1932.	20	1,932	176,333,850	392,719,308	6	347	10,685,000	12,509,800
1933.	10	1,736	39,773,300	119,298,196	8	405	9,575,405	16,346,700
1934.	5	246	3,887,600	7,217,100	6	329	13,685,100	19,563,000
1935.	11	2939	42,681,037	70,371,343	10	3861	32,517,800	91,512,071
1936.	6	2167	6,241,525	25,688,500	12	3882	34,965,637	29,742,515
1937	2	2111	4,563,520	3,025,000	4	3138	2,492,400	25,492,420
1938.	5	2669	33,495,700	50,188,000	10	3633	17,478,250	14,382,473
1939.	2	2272	3,811,200	6,231,200	8	3660	36,124,000	78,827,729

Not available.

3 Mileage of bus routes: 1935, 1,459 miles; 1936, 39 miles; 1937, 39 miles; 1938, 226 miles; 1939, 110 miles. Not available for years prior to 1935.

Mileage of bus routes: 1935, 234 miles; 1936, 555 miles; 1937, 12 miles; 1938, 186 miles; 1939, 1,320 miles.

Not available for years prior to 1935.

Source: McGraw-Hill Publishing Co. Inc., New York, N.Y.; Transit Journal, Annual Statistical Number.

### No. 507.- ELECTRIC RAILWAYS- SUMMARY FOR ELEVATED AND SUBWAY LINES 1: 1912 TO 1937

	1912	1917	1922	1927	1932	1937
Number of companies.	7	7	7	24	7	4
Miles of track 3	517.8	666.1	857.9	870.9	1,028.4	786
Number of cars.	5,706	6,801	8,096	8,654	12,645	8,849
Passengers carried (thousands)	1,004,823	1,274,652	1,745,167	2,222,586	2,039,445	1,584,978
Revenue passengers, including pay transfer.	991,062	1,262,509	1,743,284	2,220,794	2,033,618	1,582,942
Revenue car mileage (thousands)	219,375	247,199	303,346	377,213	396,880	322,794
Average number of revenue passengers:						
Per mile of all track 4	1,913,950	2,112,349	2,229,719	2,858,422	2,092,587	2,402,036
Per passenger-car hour.	(5)	(5)	91	94	(5)	79
Salaried employees:						
Number.	907	1,937	1,372	1,471	1,812	2,351
Salaries (thousands of dollars).	1,398	2,648	3,008	3,877	4,525	5,752
Wage earners:						
Number.	19,098	26,835	26,007	27,955	29,982	19,985
Wages (thousands of dollars)	13,867	22,093	40,988	47,283	50,462	33,288

1 Exclusive of the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group. 24 companies were consolidated and treated as one company in 1927.

Includes a minor amount of surface trackage.

2 Average for 1912 based on all track exclusive of idle track and freight and switching roads; for 1917, 1922, and 1927, on running track exclusive of idle track and freight and switching roads; for 1932 and 1937, on total main track.

3 No data.

### No. 508. ELECTRIC RAILWAYS- MILEAGE OF ELEVATED TRACK AND SUBWAY AND TUNNEL TRACK, BY STATES: 1917 TO 1937

NOTE.- Figures given in this table cover all tracks, each track of a double or multiple line being counted separately

CLASS OF TRACK- AGE AND STATE	1917	1922	1927	1932	1937	CLASS OF TRACK- AGE AND STATE	1917	1922	1927	1932	1937
Elevated, total	497	602	634	638	709	Subways and tunnels, total	219	326	342	510	729
New York.	297	363	373	380	406						
Illinois.	147	164	179	179	230						
Pennsylvania.	17	33	32	32	36	New York 1	163	269	282	357	563
Massachusetts	26	30	36	40	29	Massachusetts.-	25	27	29	31	45
New Jersey.	4	4	4	4	4	New Jersey 1	13	13	13	13	11
Missouri.	3	3				Pennsylvania.	9	8	9	38	43
Washington		3	8		2	California.	5	5	6	8	8
Maryland	1	1	1	1		Illinois.	2	2	2	61	58
California	1	1	1	1	1						
Kansas.	1					All other States 2	2	2	1	2	1
Minnesota				I							
Indiana					1						

Figures for New Jersey include 11 miles owned and operated by 2 New York company.

2 Connecticut, Minnesota, Missouri, Rhode Island, West Virginia, and Wisconsin, 1917; Rhode Island, Minnesota, and Missouri, 1922; Minnesota, Missouri, Rhode Island, and Washington, 1927; Minnesota, Missouri, Montana, Rhode Island, and Washington, 1932; Rhode Island, 1937.

Source of tables 507 and 508: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Street Railways and Trolley-Bus and Motorbus Operations.

# No. 509.-ELECTRIC RAILWAYS-FINANCIAL SUMMARY FOR ELEVATED AND SUBWAY LINDS: 1912 TO 1937

NOTE--All figures in thousands of dollars. Data exclude the mixed elevated, subway, and surface systems of Boston and Phfladelphia which are included in the surface group

ACCOUNT	1912	1017	1922	1927	1932	1937
Incomefrom all sources.	55,246	70,213	108,483	132,135	121,612	85,908
Operating revenues.	52,239	68,537	105,862	129,020	119,120	85,908
Operating expenses.	23,613	31,569	57,660	78,202	78,723	57,536
Net operating revenue.	28,626	36,868	38,202	50,817	40,397	28,372
l'axes of operating companies.	3,501	5,136	6,441	8,215	7,253	7,435
Operating income.	25,125	31,732	31,761	42,603	33,143	20,937
Miscellaneous income.	3,008	1,676	2,621	3,115	2,492	0
Gross income.	28,133	33,408	34,382	45,718	35,635	21,762
Deductions from gross income.	18,902	21,347	34,856	33,907	34,036	26,954
Interest.	9,654	10,442	19,225	23,270	26,451	
Miscellaneous.	9,248	10,905	15,631	10,637	7,585	8
Netincome	9,231	12,061	3474	11,811	1,599	35,182
Dividends.	8,530	10,087		6,250		
Surplus.	701	1,974	3474	5,561	8	8
1 None reported.		2No data.		3Deficit.		

## No. 510. - TROLLEY-BUS LINES SUMMARY: 1932 AND 1937

NOTE-- Figures for 1937 cover all trolley-bus companies operating during that period; those for 1932 represent trolley-bus operations of electric street railway companies

	1932 1	1937
Number of companies 1	16	36
Miles route (round trip).	244	1,447
Milesof street or highway served (one way).	118	685
Number of trolley busses operated	247	1,655
Passengers, total number (thousands).	34,350	303,055
Revenue, including pay-transfer	29,721	251,403
Free, including free-transfer	4,629	51,652
Revenue trolley-bus miles (thousands)	8,703	49,450
Revenue passengers per revenue mile (average number)	3.4	5.1
Wage earners, number 2	334	3,193
Wages (thousands of dollars)	551	4,799
Salaried employees, number (average of number reported on June 30 and Dec. 31)..		587
Salaries (thousands of dollars)	8	1,031
Accidents:		
Fatalities, number.		28
Injured, number.		4,206
Operating revenues, total	3	14,851
Transportation revenues.		14,758
Other revenues.	9	93
Operating expenses, total.		11,108
Way and structures and equipment.		3,411
Power.		1,522
Conducting transportation		4,467
General and other.		1,708
Net operating revenues (trolley-bus)		3,743
Auxiliary operations: 4		
Revenues		20,841
Expenses.	8	15,176
Net operating revenue.	(3)	5,665
Taxes assignable to trolley-bus operations	(3)	932
Operating income		8,477
Nonoperating income	8	58
Gross income.		8,535
Net income.	8	5,854

1 See headnote. 2 Number pay roll as of June 30 for 1932 average of number on payroll as of June 30 and Dec. 31 for 1937. See 0 headnote.

No separate data; included with data for street-railway operations.

Auxiliary operations consist essentially of sale of electric energy and gas. On basis of relative volume and expenses and revenues, trolley-bus transportation activities were secondary.

Source of tables 509 and 510: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Street Railways and Trolley-Bus and Motorbus Operations.

NO. 511.— MOTORBUS LINES SUMMARY FOR LINES OPERATED BY ELECTRIC RAILWAYS AND BY SUBSIDIARY AND SUCCESSOR COMPANIES: 1927, 1932, AND 1937

	1927		1932		1937		
					Operated by—		
			Total	Electric railway companies	Subsidiary companies	Successor companies	All other <sup>1</sup>
Number of companies.	301	498	9881	143	48	282	515
Number of routes operated.	1,583	3,613	4,668	1,756	368	1,388	1,156
Miles route (round trip).	29,267	77,897	95,537	24,557	10,156	23,576	37,248
Mile of trolley or highway served (one way).	14,299	36,652	45,095	11,243	4,819	11,269	17,764
Number of busses, total.	8,277	15,064	28,056	12,910	2,638	6,763	5,745
Owned.	7,818	14,076	26,956	12,254	2,567	6,501	5,634
Leased.	459	988	1,100	656	71	262	111
Single-deck.	7,745	14,486	27,041	12,752	2,423	6,705	5,161
Double-deck.	532	578	1,015	158	215	58	584
Number of motorbuses required for normal day:							
Base schedule:							
Summer.			13,295	4,959	1,078	3,783	3,475
Winter.	8	8	13,670	5,185	1,079	3,906	3,499
Peak schedule:							
Summer.			21,316	9,415	1,888	5,370	4,643
Winter.	8	8	22,866	10,481	2,007	5,703	4,675
Number of passengers carried (thousands).	875,402	302,318	363,229	51,614	273,529	891,390	583,693
Revenue passengers.	771,800	113,500	289,054	306,718	240,527	795,686	546,124
Pay-transfer passengers.	12,453	12,162	57,992	11,238	12,700	25,713	8,342
Free-transfer passengers.	85,235	143,729	392,178	283,305	18,262	63,650	26,960
Free passengers (estimated).	5,907	10,928	24,005	13,356	2,040	6,341	2,267
Number of bus-miles (thousands).	272,518	499,025	967,435	424,549	91,038	244,373	207,475
Revenue miles.	270,483	494,922	958,769	420,087	90,165	243,059	205,458
Nonrevenue miles.	2,035	4,103	8,666	4,462	872	1,314	2,017
Number of bus-hours (thousands).	24,927	43,308	87,442	39,408	7,671	22,624	17,739
Revenue hours.	24,571	42,760	86,251	38,817	7,445	22,497	17,492
Nonrevenue hours.	356	548	1,191	591	226	126	248
Number killed or died from injuries.	108	95	174	85	111	46	32
Number injured but not killed.	10,082	11,820	41,015	21,222	3,925	9,326	6,542
INCOME STATISTICS (thousands of dollars)							
Operating revenues.	68,121	99,884	219,521	94,599	22,587	55,066	47,270
Transportation revenues.	67,253	98,329	217,573	93,801	22,149	54,719	46,904
Miscellaneous.	868	1,555	1,947	797	437	347	365
Operating expenses.	65,771	94,618	182,301	78,547	20,079	44,044	39,632
Maintenance of plant and equipment—Operation.	23,717	30,134	51,796	21,580	6,202	12,887	11,127
	36,056	54,637	101,530	45,570	11,429	23,519	21,012
General expense including traffic promotion.	5,998	9,847	28,975	11,397	2,448	7,638	7,493
Net operating revenue, motorbus lines.	2,349	5,266	37,220	16,052	2,507	11,022	7,688
Net revenue from auxiliary operations.	3231	4	6,311	(4).		6,267	44
Total net revenues, motorbus and auxiliary—Taxes.	2,119	5,270	43,531	16,052	2,507	17,290	7,682
	2,880	6,024	20,142	7,650	1,946	5,698	4,849
Operating income, motorbus and auxiliary—Nonoperating income.	3761	2755	23,389	8,402	562	11,592	2,833
	295	545	1,763	1201	46	1,039	558
Gross income.	2466	2209	25,152	8,522	608	12,631	3,391
Deductions from gross income.	1,707	2,676	10,865	2,452	874	6,386	1,153
Net income.	32,175	22,885	14,287	6,070	3267	6,245	2,238
Number of employees.	16,633	30,514	58,416	26,735	5,357	14,589	11,735
Salaried employees.	2,333	3,896	7,951	3,831	511	1,893	1,616
Wage earners.	14,300	26,618	50,465	22,904	4,746	12,696	10,119
Salaries and wages (thousands of dollars).	27,564	43,512	92,679	43,435	8,693	21,894	18,658
Salaries.	3,340	6,439	15,354	6,800	1,126	3,722	3,706
Wages.	24,224	37,072	77,325	36,635	7,566	18,172	14,951

<sup>1</sup> Includes data of affiliates of trolley-bus systems and of motorbus systems not affiliated with, subsidiary or successor street-railway systems in cities with population of 100,000 inhabitants or over.  
 No data.  
 Deficit.

<sup>2</sup> Included in consolidated balance sheets of reports for operating street railways. See table 505.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Street Railways and Trolley-Bus and Motorbus Operations.

No. 512. - MOTORBUS LINES MILEAGE AND PASSENGER TRAFFIC, BY STATES:  
1932 AND 1937

DIVISION AND STATE	MILES OF ROUTE (ROUND TRIP)		MILES OF STREET OR HIGHWAY SERVED (ONE WAY)		REVENUE PASSEN- GERS CARRIED (NUMBER IN THOUSANDS)		REVENUE MOTORBUS MILES (THOUSANDS)	
	1932	1937	1932	1937	1932	1937	1932	1937
United States.	77,897	95,537	36,652	45,095	1,147,662	2,947,646	494,922	958,769
New England	9,399	16,527	4,206	6,796	162,134	343,350	58,350	113,584
Maine.	287	478	147	239	277	1,124	546	906
New Hampshire and Vermont.	33,118	719	31,389	364	325,007	3,523	39,731	2,305
Massachusetts.	4,494	10,494	2,085	4,065	107,520	232,881	35,877	58,262
Rhode Island.	(4).	2,008	(4)	994	(4)	24,049	0	10,884
Connecticut	1,500	2,828	585	1,134	29,331	87,774	12,196	31,228
Middle Atlantic.	23,215	29,721	10,530	14,550	545,543	1,354,262	176,254	338,858
New York.	5,551	10,103	2,706	4,919	190,175	799,129	52,262	153,987
New Jersey.	5,813	8,648	1,942	4,286	280,242	389,655	78,382	111,629
Pennsylvania	11,851	16,970	5,882	5,345	75,127	165,477	45,611	73,241
East North Central.	17,059	21,447	8,075	10,370	191,555	506,900	107,629	193,984
Ohio.	4,615	8,260	2,239	4,089	74,266	141,529	35,294	52,771
Indiana	2,211	3,174	1,061	1,575	17,113	37,040	13,556	21,458
Illinois	3,412	4,062	1,720	1,912	23,643	150,709	15,979	49,222
Michigan	3,457	3,667	1,560	1,719	48,980	116,486	30,909	52,798
Wisconsin	3,364	2,294	1,495	1,075	27,554	61,137	11,891	17,736
West North Central.	9,609	3,080	4,823	1,524	44,014	126,250	29,720	55,881
Minnesota	1,049	420	542	196	7,085	11,552	5,605	6,315
Iowa.	5,766	883	2,876	439	8,472	19,679	7,312	9,143
Missouri.	1,855	975	933	489	16,123	71,269	8,318	29,566
North Dakota, South Dakota, and Nebraska	197	311	100	154	5,449	8,696	3,622	4,440
Kansas	742	491	372	246	6,885	15,653	1,863	6,416
South Atlantic.	6,093	10,094	2,657	4,665	75,891	210,552	38,947	84,831
Delaware and District of Co- lumbia?	356	1,431	208	429	10,270	50,719	5,969	15,143
Maryland	2,271	2,034	798	1,030	12,095	22,049	6,510	10,607
Virginia	556	1,543	243	638	36,438	56,201	12,856	21,649
West Virginia	173.	589	93	306	1,443	13,151	1,049	5,217
North Carolina	2,031	2,297	942	1,148	5,182	20,337	5,097	10,320
South Carolina	92	288	46	137	2,071	8,453	1,368	3,288
Georgia	350	956	183	479	5,030	16,907	3,555	6,685
Florida.	264	956	144	497	3,363	22,730	2,543	11,922
East South Central.	5,678	1,678	2,564	832	11,877	68,414	11,969	21,688
Kentucky	177	529	88	255	4,878	16,535	2,586	5,324
Tennessee	336	750	193	379	3,336	26,851	2,324	9,380
Alabama.	46	205	25	102	836	16,387	710	4,188
Mississippi.	4,519	194	2,258	96	2,826	8,641	6,349	2,795
West South Central.	2,989	3,074	1,538	1,506	43,846	140,043	29,259	62,398
Arkansas.	216	104	112	53	5,219	5,219	2,433	2,433
Louisiana	766	556	382	275	9,605	25,061	5,422	7,603
Oklahoma	766	556	382	275	8,498	23,723	7,003	8,435
Texas.	2,007	2,138	1,044	1,036	25,743	86,041	18,035	43,925
Mountain.	1,330	2,146	675	1,085	9,395	27,843	6,335	12,194
Montana	74	882	40	441	1,901	2,531	842	1,316
Idaho, Wyoming, and NW	5-67	113	534	71	1,298	3,075	878	1,525
Mexico?	827	332	411	171	3,901	4,833	3,135	3,278
Colorado.	362	196	190	98	2,297	4,347	1,783	1,783
Arizona.	362	196	190	98	2,297	13,057	1,481	4,292
Utah and Nevada	362	196	190	98	2,297	13,057	1,481	4,292
Pacific.	3,125	7,770	1,584	3,767	63,405	163,433	36,458	75,355
Washington	1,474	1,767	776	881	10,181	34,531	10,468	19,853
Oregon	245	1,631	121	811	8,827	13,195	4,591	8,265
California	1,406	4,372	687	2,075	44,398	115,706	21,400	47,236

Including pay transfers.

Combined to avoid disclosing individual operations.

Includes data for Rhode Island.

Included with New Hampshire and Vermont.

None reported for New Mexico.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Street Railways and Trolley-Bus and Motorbus Operations.

# No. 513.— MOTORBUS LINES-SUMMARY FOR PUBLIC CARRIERS AND PRIVATE CARRIERS: 1934 TO 1939

NOTE— Figures for 1937 and 1938 have been revised in keeping with actual operating revenues. Figures for earlier years have not been so revised

	1934	1935	1936	1937	1938	1939
<b>PUBLIC CARRIER REVENUE OPERATIONS</b>						
Number of operating companies (Dec. 31)-	5,024	4,700	4,780	4,155	4,007	3,762
Owned by:						
Motor carriers 1	4,754	4,432	4,529	3,913	3,765	3,536
Electric railways.	199	206	188	177	177	168
Steam railroads	71	62	63	65	65	58
City (including "city and suburban").	805	800	815	730	746	736
Intercity.	3,904	3,570	3,600	3,000	2,848	2,598
Sightseeing and charter hire.	315	330	365	425	413	428
Number of busses (Dec. 31).	43,000	45,000	49,000	51,500	51,500	51,550
Owned by:						
Motor carriers 1.	29,990	30,650	34,400	36,000	31,700	31,850
Electric railways.	11,600	12,600	12,850	13,700	18,000	18,000
Steam railroads	1,410	1,750	1,750	1,800	1,800	1,700
City including "city and suburban").	17,580	19,250	22,000	24,500	29,200	30,335
Intercity.	22,820	23,750	24,750	24,750	20,000	18,614
Sightseeing and charter hire.	2,600	2,000	2,250	2,250	2,300	2,601
Miles of highway covered (Dec. 31).	2401,665	2395,774	395,800	393,350	379,819	358,686
Owned by:						
Motor carriers 1	361,795	335,000	338,000	334,680	319,319	300,588
Electric railways.	16,420	15,520	13,800	14,170	15,500	16,168
Steam railroads.	23,450	45,254	44,000	44,500	45,000	41,930
City (including "city and suburban").	19,665	24,000	24,750	22,300	24,819	28,154
Intercity.	354,000	346,774	345,050	345,050	355,000	330,532
Sightseeing and charter hire.	28,000	25,000	26,000	26,000	(2)	(3)
Revenue bus-miles (millions).	1,544	1,813	2,042	1,888	1,986	2,282
City including "city and suburban").	588	691	750	811	983	1,163
Intercity.	904	1,085	1,250	1,027	991	1,100
Sightseeing and charter hire.	52	38	42	50	13	18
Revenue passengers (millions)	2,203	2,501	3,076	3,293	3,558	4,324
City (including "city and suburban")	1,809	2,084	2,571	2,737	3,185	3,812
Intercity.	378	415	500	552	374	512
Sightseeing and charter hire.	15	2	5	3	(a)	(3)
Operating revenue thousands of dollars).	310,600	393,046	466,708	384,860	102,454	493,457
City (including "city and suburban")	131,200	145,596	183,708	186,340	216,224	265,813
Intercity.	171,200	239,950	275,000	190,100	177,400	216,644
Sightseeing and charter hire.	8,200	7,500	8,000	8,420	8,830	11,000
Investment in plant and equipment (Dec. 31) (thousands of dollars).	362,235	407,817	446,280	459,030	404,660	564,413
Number of employees (Dec. 31).	94,532	106,831	115,680	112,239	116,523	120,000
Total taxes and fees thousands of dollars) +.	37,280	40,375	43,601	38,937	43,702	50,626
Special taxes and fees 5-	33,300	35,625	38,476	34,367	(3)	
General taxes 6	3,980	4,750	5,126	4,570	(3)	8
<b>PRIVATE CARRIER NONREVENUE OPERATIONS</b>						
Number of operating agencies (Dec. 31).	24,100	28,740	32,450	35,150	36,850	43,000
School.	23,600	28,240	31,950	34,650	36,350	42,500
Others.	500	500	500	500	500	500
Number of busses operated (Dec. 31).	65,130	72,850	74,900	79,100	81,100	86,700
School.	64,130	71,850	73,900	78,100	80,100	85,700
Others.	1,000	1,000	1,000	1,000	1,000	1,000
Miles of route operated (Dec. 31).	706,600	929,000	994,000	1,024,000	1,229,000	1,284,000
School.	702,600	925,000	990,000	1,020,000	1,225,000	1,280,000
Others.	4,000	4,000	4,000	4,000	4,000	4,000
Passengers carried (millions).	524	594	640	656	690	759
School.	514	584	630	646	680	749
Others.	10	10	10	10	10	10

Common carriers and sightseeing carriers.

1 Miles of route operated (one way). Includes slight duplication resulting from use of same highway by more than one route. Not available. 4 Does not include income and excess-profit taxes.

5 All taxes paid as users of the highway as operators of motor vehicles; includes excise taxes levied under Revenue Acts of 1932 and 1934. and All taxes paid as citizens and businesses in general.

Source: McGraw-Hill Publishing Co., Inc., New York, N. Y.; Bus Transportation, Annual Review and Statistical Number.

## No. 514. CIVIL AERONAUTICS SUMMARY: 1930 TO 1939

ITEM	1930	1931	1932	1933	1934	1935
SCHEDULED AIR TRANSPORT OPERATIONS						
Services in operation Dec. 31.	122	136	98	110	139	170
Miles of all airways in operation Dec. 31--	49,549	48,530	50,801	61,532	71,199	80,109
Domestic 2	29,887	28,550	28,084	28,874	35,492	36,581
Foreign and territorial 1	19,662	19,980	22,717	32,658	35,707	43,528
Airplanes in service and reserve Dec. 31:						
Number.	600	564	518	380	345	339
Domestic 2.	497	456	417	272	253	265*
Foreign and territorial 3	103	108	101	108	92	74
Value (thousands of dollars)	11,490	8,763	10,500	15,200	21,500	26,500
Total personnel employed Dec. 31 4	3,475	5,610	6,477	9,995	13,309	15,923
Pilots and copilots employed.	675	717	759	1,241	1,425	1,708
Airplane-miles flown, all operators (thousands)	36,945	51,172	49,065	73,612	81,058	90,976
Domestic 2	31,993	45,606	40,955	63,777	69,669	82,572
Foreign and territorial 2	4,953	5,566	8,109	9,835	11,389	8,405
Airplane-miles flown daily, average for the year.	101,220	139,542	133,662	201,017	222,077	249,249
Passengers carried	417,505	547,560	572,265	1,166,043	1,536,111	2,045,021
Domestic 2	374,935	474,279	461,743	1,020,931	1,343,427	1,876,051
Foreign and territorial 2	42,570	73,281	110,522	145,112	192,684	168,970
Average passenger-mile rate (domestic).	\$0.083	\$0.061	\$0.059	\$0.057	\$0.057	\$0.051
Express and freight carried 5 (thousands of pounds)	469	1,673	3,482	8,414	9,453	10,912
Domestic 2.	360	1,034	2,133	6,959	7,336	9,514
Foreign and territorial 2	109	639	1,349	1,455	2,117	1,398
Miles of mail airways Dec. 31.	41,501	45,436	46,003	51,740	63,292	74,338
Airplane-miles flown with mail (thousands).	19,964	36,053	627,340	44,028	54,660	61,112
Mail carried by contractors (thousands of pounds)	8,514	7,909	7,872	18,324		
Domestic 28	7,985	7,393	7,411	17,706	8	8
Foreign and territorial 2	529	515	461	618	785	977
Mail income to contractors (thousands of dollars).	20,016	26,234	911,522	19,724	24,292	28,534
Domestic 38	14,703	19,294	98,804	12,434	15,691	17,584
Foreign and territorial 2	5,313	6,940	6,918	7,291	8,601	10,950
MISCELLANEOUS 10						
Airplane-miles flown, private flying operations (thousands)	108,270	78,179	75,602	93,320	129,359	177,868
Miles airways lighted by Civil Aeronautics Administration	15,258	19,500	19,081	22,245	23,723	27,074
Miles of airway lighting under construction by Civil Aeronautics Administration.	3,221		3,048		1,849	2,192
Beacons, revolving and flashing (federally operated)	1,652	1,988	1,520	1,918	1,967	2,089
Beacons, privately owned and certified.	140	228	310	410	530	650
Radio broadcast stations.	45	61	71	80	91	92
Radio range beacon stations.	33	68	112	146	225	244
Radio marker beacons.	6	74	84	57	48	48
Weather reporting airway and airport stations 11	143	234	206	213	314	298
Weather Bureau first-order stations.	209	216	185	182	182	185
Commercial and private airports.	564	645	618	525	528	456
Municipal airports.	550	549	702	738	791	643
Intermediate landing fields-Civil Aeronautics Administration-						
Lighted.	347	337	250	284	265	266
Unlighted.	7	15	9	12	2	
Auxiliary airports-marked.	240	476	580	622	628	665
Army, Navy, Marine Corps, National Guard, Reserve, and miscellaneous airports.	74	95	138	161	160	250
Pilots licensed (active), airplane 12	15,280	18,594	13,949	15,952	22,983	31,264
Airplanes licensed (active) 12	7,354	7,330	6,339	7,424	16,000	12,829

Domestic, foreign and territorial; see note 2.

\* Domestic scheduled airlines operate within continental limits of the United States; foreign and territorial operations cover activities of American air lines in foreign countries and territories of the United States. 31 Estimated. 4 Includes office personnel beginning 1932.

Not including express and freight privately carried.

Includes 1,719,919 airplane-miles flown by Army Air Corps.

"Data not available.

\* The mail pound-miles flown and mail-payment statistics of Inter Island Airways, Ltd., are included with the domestic mail pound-miles and mail payments as this company holds a domestic air mail contract. Other statistics for this carrier are included with the figures for foreign and territorial operations.

Includes \$2,249,004 paid to Army Air Corps.

All data, except airplane-miles flown, are as of Dec. 31; figures, except as noted, cover the domestic only.

11 Long line teletypewriter equipped.

Airplane-miles flown by the American Government; figures include some pilots and airplanes operating on foreign extensions.

Source: Department of Commerce, Civil Aeronautics Administration; figures published in Oct. 15, 1940, issue of Civil Aeronautics Journal, a semi-monthly publication.

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