636 [fol. 1009]

PLAINTIFF'S EXHIBIT 78-B

Average Number of Days Lost on Account of Strike Per Man Employed in Specified States, 1924-1933

		Bituminous Coal Mining								Average per year** 1924–1933	
	1933	<u> </u>									
Pennsylvania, bituminous	$\begin{array}{c} 25 \\ 3 \end{array}$	$\begin{smallmatrix}1\\92\end{smallmatrix}$	3 8	* 7	* 1	$\begin{array}{c} 5 \\ 23 \end{array}$	43 130	2 *	1	2 1	$\frac{8.4}{26.6}$
Indiana	4	48	ī	2	4	5	96	8	4	6	19.8
Ohio	2	92	6	*	_ 2	74	158	2	4	5	33.0
West Virginia	1	*	4	*	\mathbf{None}	*	*	1	3	10	2.0
Total United States, bituminous coal mining.	9	19	3	2	*	8	45	1	2	7	9.8

Source: Compiled from reports of Bureau of Mines.

^{*}Less than 1/2 day.

**Average per year, 1924–1933, obtained by dividing annual average of number of man-days idle by annual average of number of men employed during this ten-year period. Since the number of men employed varies by years (in Pennsylvania, for instance, the number of men employed in bituminous coal mining varied from 169,322 in 1924 to 104,532 in 1932), the averages of the figures for each individual year would differ somewhat from the annual average for the entire ten-year period.

(Here follow Plaintiff's Exhibit 78-C and 79, folios 1010 and 1011.)

												Man-days id	le on account 1924-1933		
	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	Total 1924-1933	Annual Average 1924-1933	Total	Annual Average	Average no. of days idle on account of strike per man per year, 1924-1933
Pennsylvania (bituminous)	115,453	104,532	116,726	130,150	131,774	133,414	153,699	155,999	156,798	169,322	1,367,867	136,787	11,546,449	1,154,645	°, 8•4
Illinois	44.145	47.597	49,685	53,603	56,725	64,266	76,970	75,870	77,823	89,363	636,047	63,605	16,911,265	1,691,126	26.6
Indiana	11,199	10,639	12,311	13,881	15,250	16,806	24,352	23,404	22,732	27.558	178,132	17,813	3,533,200	353,320	19.8
Ohio	25,442	23,280	25,085	25,574	25,399	21,371	35•543	38,547	39,658	44,229	304,128	30,413	10,028,418	1,002,842	33•0
Total of above	196,239	186,048	203,807	223 ,208	229,148	235,857	29 0, 564	293,820	297,011	330,472	2,486,174	248,618	42,019,332	4,201,933	16.9
West Virginia	92,472	85,765	97•787	105,988	104,942	111,733	119 ,7 99	118,726	110,189	102,203	1,049,604	104,960	2,131,651	213,165	2.0
All other states	129,992	134,567	148,619	164,006	168,903	174,560	183,555	181,101	181,293	186,929	1,653,525	165,352	6,691,939	669,194	4.0
Total United States bituminous	418,703	406,380	450,213	493,202	502,993	522 , 150	593,918	593,647	588,493	619 , 6 0 4	5,189,303	518,930	50,842,922	5,084,292	9•8

Summary for Ten-Year Period, 1924-1933

	United States Total	Pennsylvania, Illinois, Ohio and Indiana	West Virginia	All other States
Man-days idle on account of strike, annual average	5,084,292	4,201,933	213,165	669,194
Total number of men employed, annual average	518,930	248,618	104,960	165,352
Average number of days idle on account of strike per year per man employed	9•8	16.9	2.0	4.0

Source: Compiled from reports of Bureau of Mines.

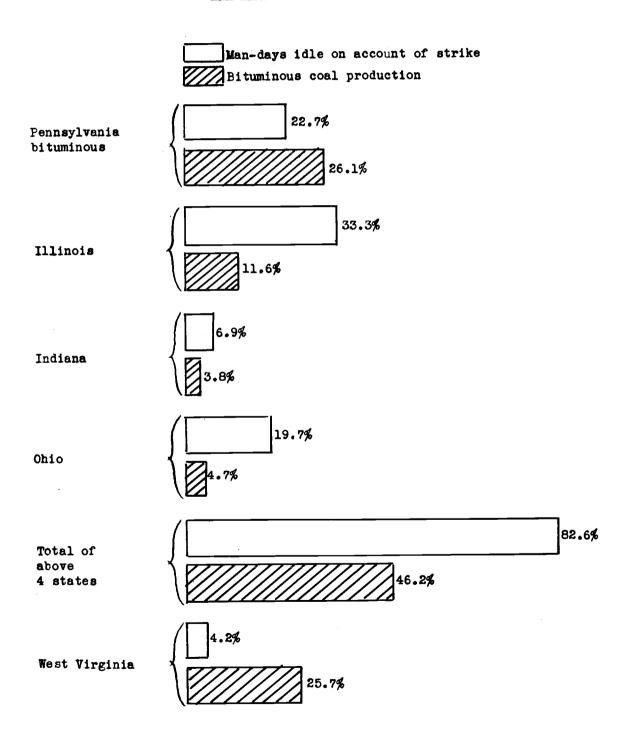
Source: Figures for each year were taken from tables on "Strikes, suspensions and lockouts" in annual reports on Coal of Bureau of Mines. We calculated the totals and averages. Year-by-year figures on "man-days idle on account of strike" are shown in another table on strikes which we prepared (the one comparing production with man-days idle on account of strike, by specified states).

PER CENT OF UNITED STATES TOTAL IN EACH SPECIFIED STATE OF:

MAN-DAYS IDLE ON ACCOUNT OF STRIKE IN BITUMINOUS COAL MINING.

BITUMINOUS COAL PRODUCTION.

TEN YEAR PERIOD, 1924-1933, INCLUSIVE



[fol. 1011-a] Plaintiff's Exhibit 79-A

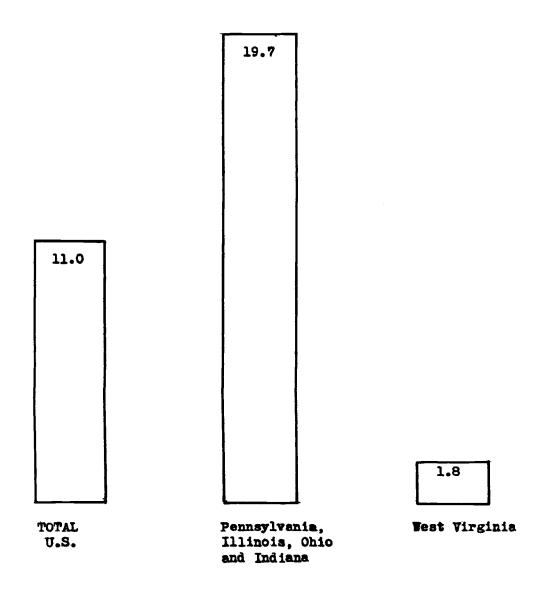
Man-Days Idle on Account of Strike, Suspension or Lockout and Bituminous Coal Production in Each Specified State, 1924–1933

	Man-Days Account of		Bituminous Coal Production		
	Number	% of U. S. Total	1,000 Net Tons	% of U. S. Total	
Pennsylvania, (bituminous)IllinoisIndianaOhio	11,546,449 16,911,265 3,533,200 10,028,418	22.7 33.3 6.9 19.7	1,204,480 536,976 176,420 217,971	26.1 11.6 3.8 4.7	
Total	$\frac{-}{42,019,332}$	82.6	2,136,846	46.2	
West Virginia	2,131,651	4.2	1,187,245	25.7	
All other states	6,691,939	13.2	1,300,468	28.1	
Total United States	50,842,922	100.0	4,623,559	100.0	

Source: Compiled from data given in Bureau of Mines' reports.

(Here follow Plaintiff's Exhibits 79-b and 79-c, side folios 1012 and 1013.)

MAN-DAYS LOST ON ACCOUNT OF STRIKE PER 1,000 NET TONS OF BITUMINOUS COAL PRODUCED, 1924 - 1933



SOURCE: Compiled and calculated from data given in Bureau of Mines reports

			Nu	nber of Man	-days Idle	on Account	of Strikes,	Bituminou	s Coal Mini	ng		Bituminous Coal
	1933	1932	<u>1931</u>	1930	1929	1928	1927	1926	1925	1924	1924-1933 Total	Production 1921-1933
Pennsylvania, bituminous	2,896,545	113,696	398,932	14,689	4,073	658,111	6,591,870	272,918	234,389	361,226	11,546,449	1,204,479,764
Illinois	130,197	4,397,006	397,263	348,779	68,155	1,463,409	10,018,566	12,609	25,180	50,101	16,911,265	536,975,850
Indiana	48,210	507,051	14,151	32,003	58,553	91,842	2,345,279	179,375	96,963	159,743	3,533,200	176,419,633
Ohio	45,942	2,130,292	138,155	12,583	46, 165	1,576,760	5,605,443	85,118	170,208	217,752	10,028,418	217,971,193
To tal of above \$\mathscr{f}\$ of U. S. To tal	3,120, 8 94 8 3.7 %	7,148,045 94. <i>6</i> 5	948,531 60 .9%	408,054 41. 2%	176,946 90. 3 %	3,790,122 90.1 %	24,561,158 92. <i>6</i> %	550 ,0 20 76•7 %	526,740 45.3%	788 ,822 18.7%	42 , 019 ,3 32 82. 6 %	2,135,846,440 46.2 %
West Virginia \$ of U. S. Total	50,9 29 1.4%	地 ,30 7 •6%	393,883 25 ,3 %	13,215 1,3%	en -4	18,650 •4%	47 ,548 •2%	126,242 17.6%	376,399 32.3%	1,060,478 25.1%	2,131,651 4,2 %	1,187,244,737 25.7%
All other states % of U. S. Total	554,789 14.9%	360,116 4.8%	214,906 13. 8%	569 ,0 91 57• <i>5</i> %	1 8,9 96 9 .7 %	395,6 32 9•4 %	1,907,161 7 .2 %	41,039 5.7%	260, 3 91 22 .4%	2,369,818 56.2%	6,6 91,939 1 3.2%	1,300,468,012 28,1%
Total bituminous, U. S.	3,726,612	7,552,468	1,557,320	990,360	195,942	4,204,404	26,515,867	717,301	1,163,530	4,219,118	50 ,842,92 2	4,623,559,279

Summary for Ten-Year Period, 1924-1933

		Pennsylvania, Indiana and (hio	West Vi	rginia	All other	· states
Man-days lost on account of strike	United States Total	Number	% of U. S. Total	Number	% of U.S. Total	Number	% of U. S. Total
Man-days lost on account or strike	50,842,922	42,019,332	82 . 6%	2,131,651	4.2%	6,691,939	13.2%
Bituminous coal production, net tons	4,623,559,279	2,135,846,440	46.2%	1,187,244,737	25.7%	1,300,468,012	28.1%
Man-days lost per thousand net tons mined	11.0	19.7	-	1.8	••	5.1	•••

Source: Compiled and calculated from data given in Bureau of Mines' reports.

Source: Figures for each year on man-days idle on account of strike were taken from tables on "Strikes, Suspensions and Lockouts" in annual reports on coal of Bureau of Mines. We calculated the totals and man-days lost per 1,000 net tons mined.

fol. 1014] Plaintiff's Exhibit 80
Strikes, Suspensions, and Lockouts in Bituminous Coal Mining Industry, 1915–1933

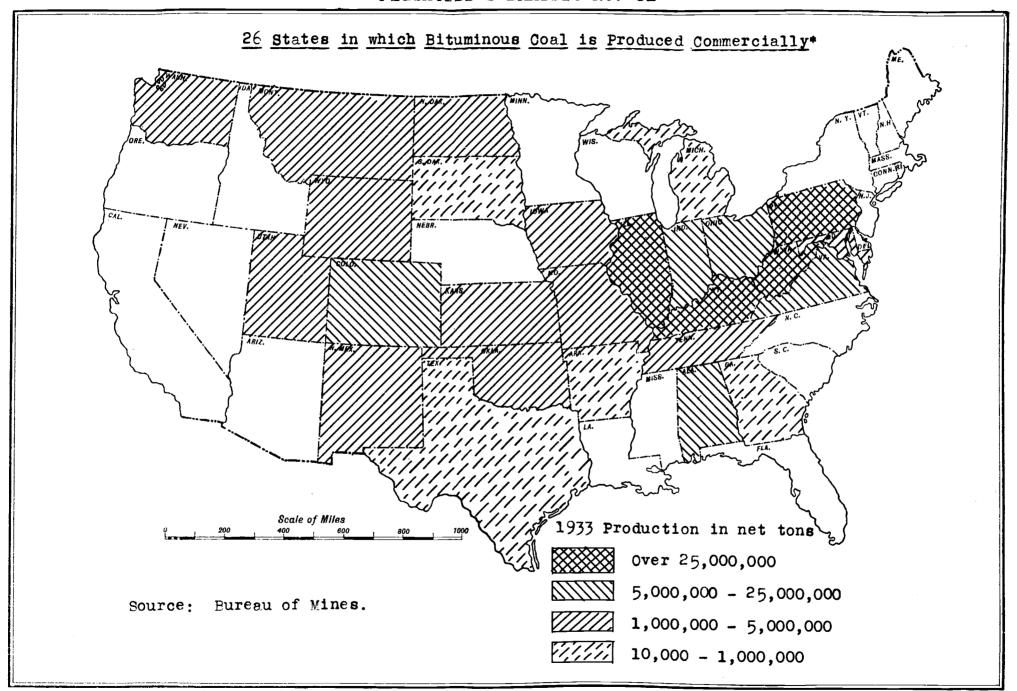
	Total No.	No. of	Man-days	lost on	o. of days acc't of ike
	Total No. of men	No. of men on	idle on acc't of	Per man	Per man
	employed	strike	strike	employed	on strike
1915	*	36,865	2,252,740	- +	61
1916	*	91,152	2,389,519	*	$\overset{01}{26}$
1917	*	126,020	2,187,244	*	17
1918	*	60,105	438,882	*	7
1919	*	418,279	15,525,857	*	37
1920	*	185,579	4,099,157	*	22
1921	*	99,146	2,282,824	*	23
1922	687,958	460,589	53,874,017	7 8	117
$1923\ldots\ldots$	704,793	61,629	1,239,125	2	20
$1924\ldots\ldots$	619,604	58,179	4,219,118	7	73
$1925\ldots\ldots$	588,493	38,441	1,163,530	2	30
$1926\ldots\ldots$	593,647	29,348	717,301	.1	24
$1927\ldots\ldots$	593,918	172,844	26,515,867	45	153
1928	522,150	50,742	4,204,404	.8	83
$1929\ldots\ldots$	502,993	18,275	195,942	**	11
1930	493,202	22,798	990,360	$\frac{2}{3}$	43
1931	450,213	44,658	1,557,320		35
1932	406,380	62,867	7,552,468	19	120
1933	418,703	125,503	3,726,612	9	30

^{*}Not reported in tables on "Strikes, Suspensions and Lockouts" for these years. **Less than 1/2.

(Here follow Plaintiff's Exhibits 80-a and 81, tabulation and map, side folios 1015 and 1016.)

		1921			1922		,	1923	. 14		1924	•		1925			1926			1927	
State	Total number of men employed	Number of men of strike	Average number of days lost per man employed	Total number of men employed	Number of men on strike	Average number of days lost per man employed	Total number of men employed	Number of men on strike	Average number of days lost per man employed	Total number of men employed	of men on	Average number of days lost per man employed	Total number of men employed	Number of men on strike	number of days lost per man employed	Total number of men employed	Number of men on strike	Average number of days lost per man employed	Total number of men employed	Number of men on strike	number of days lost per man employed
Alabama Arkansas Colorado Illinois Indiana Iowa Kansas Kentucky Maryland Michigan Missouri Montana New Mexico North Dakot Ohio Oklahoma Pennsylvani	51,785 8,854	2,329 1,677 2,497 18,088 17,634 7,285 1,789 123 7,089 2,089 425 17,682 1,520	66 1 1 66 1 1 6 *	28,169 4,935 13,506 96,336 33,208 12,857 7,359 60,924 3,755 2,166 8,7535 4,001 1,648 54,194 7,828	46,283 5,872	108 39 120 118 115 10 183 114 107 118 19 30 102	11,448 9,761 60,811 3,725 1,977 6,952 3,511 4,095 1,621 54,555 7,130	1,020	2 - 1 32 32 97 2 2 * - 4 4 1	27,956 3,350 12,954 89,363 27,558 12,101 8,561 55,766 1,551 5,977 3,196 4,206 1,298 44,229 6,144	1,076 120 4,217 7,699 986 2,706 8,938 168 425 1,580 17 10,256 1,318	 9 1 6 1 14 31 1 13 5 24	27,097 3,638 13,203 77,823 22,732 10,167 7,800 57,024 3,580 1,579 5,114 2,680 3,444 1,307 39,658 5,631	560 595 4,870 7,919 1,267 530 1,954 725 110 6,572 352	12 4 1 3 4 3	27,345 3,559 12,870 23,484 8,162 60,578 3,681 1,570 2,449 3,167 1,288 38,547 5,400	205 987 10,450 932 118 688 603 225 64 225 6,857	* 8 2 2 * 1 * 1 * * * * * * * * * * * * * *	27,615 3,706 11,999 76,970 24,352 8,741 7,004 64,747 3,459 1,232 2,281 3,456 1,341 35,796	389 5,429 66,992 17,303 5,624 3,014 1,824 470 2,662 26,250 163	11 22 130 96 93 56 1 54 158 4
bituminou Tennessee Texas Utah Virginia Washington West Virgini Wyoming Other States	4,422 4,434 4,4334 4,4334 4,4334 4,434	14,895 638 100 802 7,198 591	2 2 * 32 2 *	188,838 11,449 2,841 4,721 13,399 4,481 110,014 9,045	155,604 5,864 693 2,111 240 2,225 49,832 8,607	97 42 5 45 67 49 117	194,981 11,244 2,452 4,381 14,120 4,306 117,300 7,529 643	10,984 572 137 1,754 2,625	1 7 12 	169,322 9,365 2,195 4,330 12,679 3,858 102,203 7,113	8,793 2,134 58 7,688	2 26 	156,798 6,314 2,108 4,441 13,677 3,726 110,189 6,238 525	7.414 250 87 280 4.956	1 2 - 3 -	155,999 7,948 1,650 3,545 13,764 3,609 118,726 5,862	4,922 300 2,692 60	2 	153,699 7,691 1,674 3,339 13,211 3,407 119,799 5,791 553	41,692 50 982 	43
Total bituminous	648,159	99,146	4 .	687,159	460,589	78	794,793	61,629	2	619,604	58,179	7	588,493	38 , 441	2	593,647	29,348	1	593,918	172,844	45
Pennsylvani anthracite Grand Total	159,499	52,117 151,263	5	156,849 844,008		<u>125</u> 87	1 <u>57,743</u> 862,536		<u>17</u>	160 ,00 9	71,273	7	160,312 748,805		<u>95</u> 22	165 , 386		<u>36</u> .	165 , 259	20,478	35
Grand Total	. 00/,650	191,209	4	одд , ос о 1	005,051	91	062,956	19/9214	4	[[3,013	129,49¢	7	740,005	100,509	22	550,655	± (4 , (24	9	(29•±(1	175,522	- 39
47-2		1928		05.000	1929		04 707	1930		00 003	1931		00 447	1932		3 0 o sc	1933				
Alabama Arkanass Colorado Illinois Indiana Iowa Kansas Kentucky Maryland Michigan Missouri Montana New Mexico North Dakots Ohio Oklahoma Pennsylvanis	21,371 6,218	1,594 21,815 3,216 1,986 1,525 1,130 941 1,219	23 23 10 28 11 4 	25,208 4,299 12,0775 56,7250 7,295 51,139 58,649 3,283 1,618 20,283 1,421 25,3321 25,3321	95 10,162 3,851 810 106 561 762 211 943	1 4 1 1 2 2 - 2	24,393 4,626 11,091 53,663 17,901 4,855 56,674 3,294 5,700 2,902 1,258 25,574 5,424	9,483 2,008 591 6,436 -630 50 -1,143	7 2 * 10 2 *	22,973 4,733 10,628 49,685 12,311 7,897 3,813 47,766 3,224 1,372 5,362 1,672 2,830 1,300 25,663	9,400 9,400 883 824 38 2,920 597 679 5,591	 4 8 1 3 1 19 6 6 4	20,443 4,325 8,749 47,597 10,639 8,086 3,591 42,267 3,105 2,602 1,525 2,602 1,311 23,063	32,961 3,820 389 58 721 67 301 748 15,290 970	24 - 92 48 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18,237 3,671 7,908 44,145 11,199 7,695 3,809 43,717 2,880 1,324 2,340 1,301 25,442 2,974	1,200 1,225 605 3,151 4,462 18 5,302 40 562 463 	1 2 1 3 4 24 * 2 * 53 1 2 * *			
bituminous Tennessee Texas Utah Virginia Washington West Virgini Wyoming Other States	133,414 7,649 1,462 3,352 12,312 3,099 a 111,733 4,843	5,999 265 210 1,190	5 1	131,774 7,619 1,313 3,458 12,053 2,946 104,942 4,839 527	313 200 110 151	: =. =.	130,150 7,535 1,305 3,504 11,709 2,801 105,988 5,216 434	924 1,523 10	-	116,726 7,448 1,148 3,268 11,357 2,662 97,787 4,759 373	12,783 1,133 8,441 8	3 4 4	104,532 7,525 699 2,842 10,376 2,816 85,765 4,173 452	2,021 550 140 958 1,510	15 15 4	115,453 7,051 803 2,906 9,761 2,555 92,472 3,753 431	86,832 375 653 3,226 894 8,723 26	25 1 3 6 34 1			
Total bituminous	522,150	50,742	8	502,993	18,275	*	493,202	22,798	2	450,213	44,658	3	406,380	62,867	19	418,703	125,503	9			
Pennsylvani anthracite Grand Total		36,128 86,870	- 2 7	151,501 654,494		2	150,804 644,006		2	139,431 589,644		4	121,243 527,623	<u>34,259</u> 97,126	<u>2</u>	104,633 523,336	50,948 176,451	7 8			

^{*} One-half day or less.



[fol. 1017] Plaintiff's Exhibit 81-A

Bituminous Coal Production, by States, 1933

	Net tons
Alabama	8,759,989
Alaska	96,467
Arizona	10,345
Arkansas	882,924
California, Idaho and Oregon	7,492
Colorado	5,229,767
Georgia	41,382
Illinois	37,413,145
Indiana	13,761,052
Iowa	3,194,983
Kansas	2,217,622
Kentucky	36,099,729
Maryland	1,530,748
Michigan	406,584
Missouri	3,432,212
Montana	2,152,207
New Mexico	1,226,236
North Carolina	2,014
North Dakota	1,782,272
Ohio	19,588,763
Oklahoma	1,238,244
Pennsylvania, bituminous	79,295,944
South Dakota	59,375
Tennessee	3,774,761
Texas	821,878
Utah	2,674,986
Virginia	8,178,642
Washington	1,394,068
West Virginia	94,343,535
Wyoming	4,013,167
Total bituminous	333,630,533

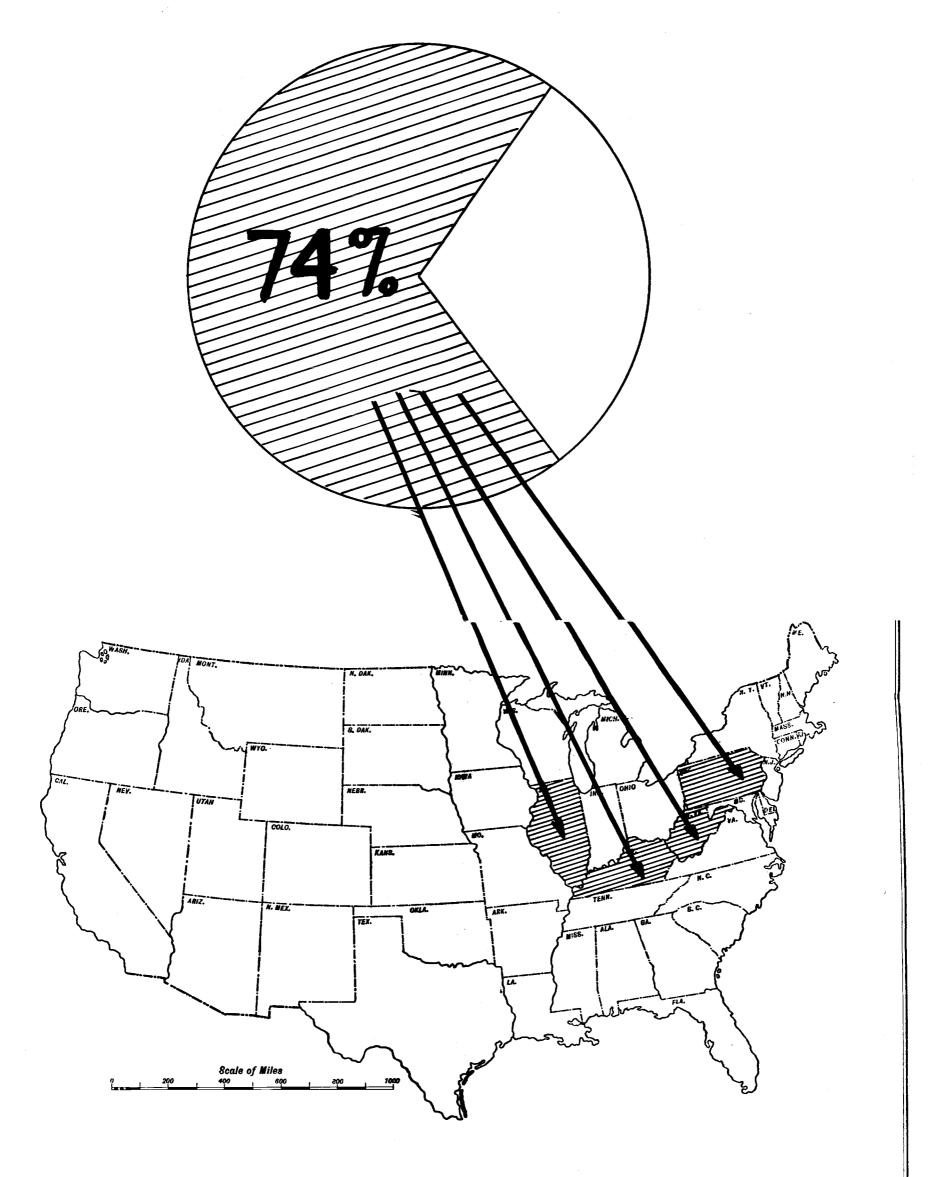
Source: Bureau of Mines.

Table 3, page 286 of "Coal," Statistical Supplement to Minerals Yearbook, 1934.

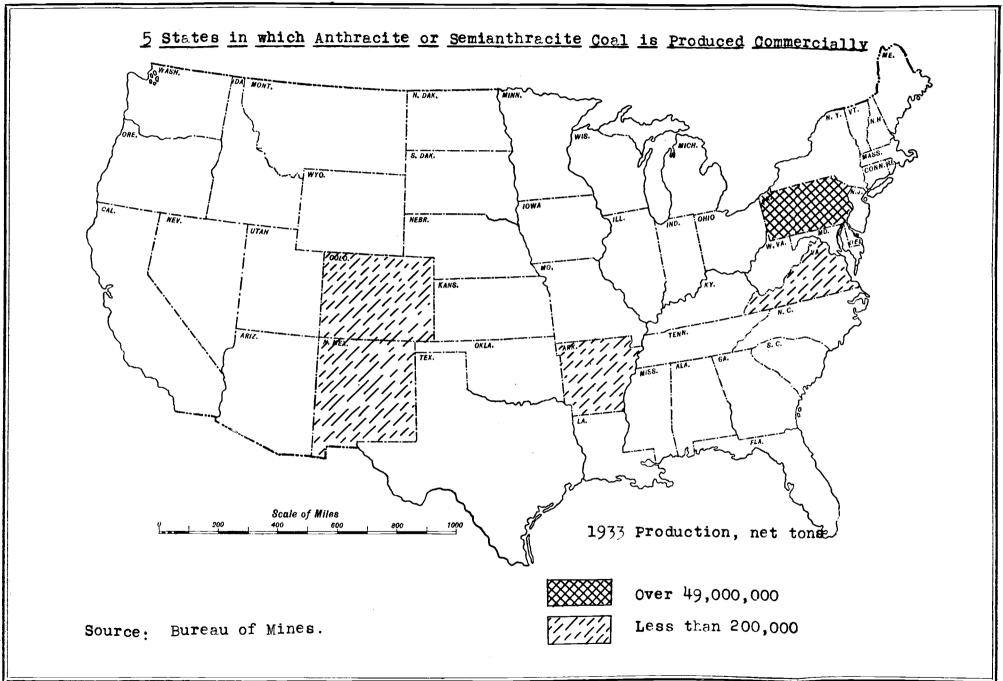
(Here follow Pltff's Exhibits 81-B and 81-C, 2 maps, side folios 1018 and 1019.)

% OF BITUMINOUS COAL
PRODUCED WITHIN 4 STATES

Plaintiff's Ex. 81-B



SOURCE: Compiled from Bureau of Mines reports.

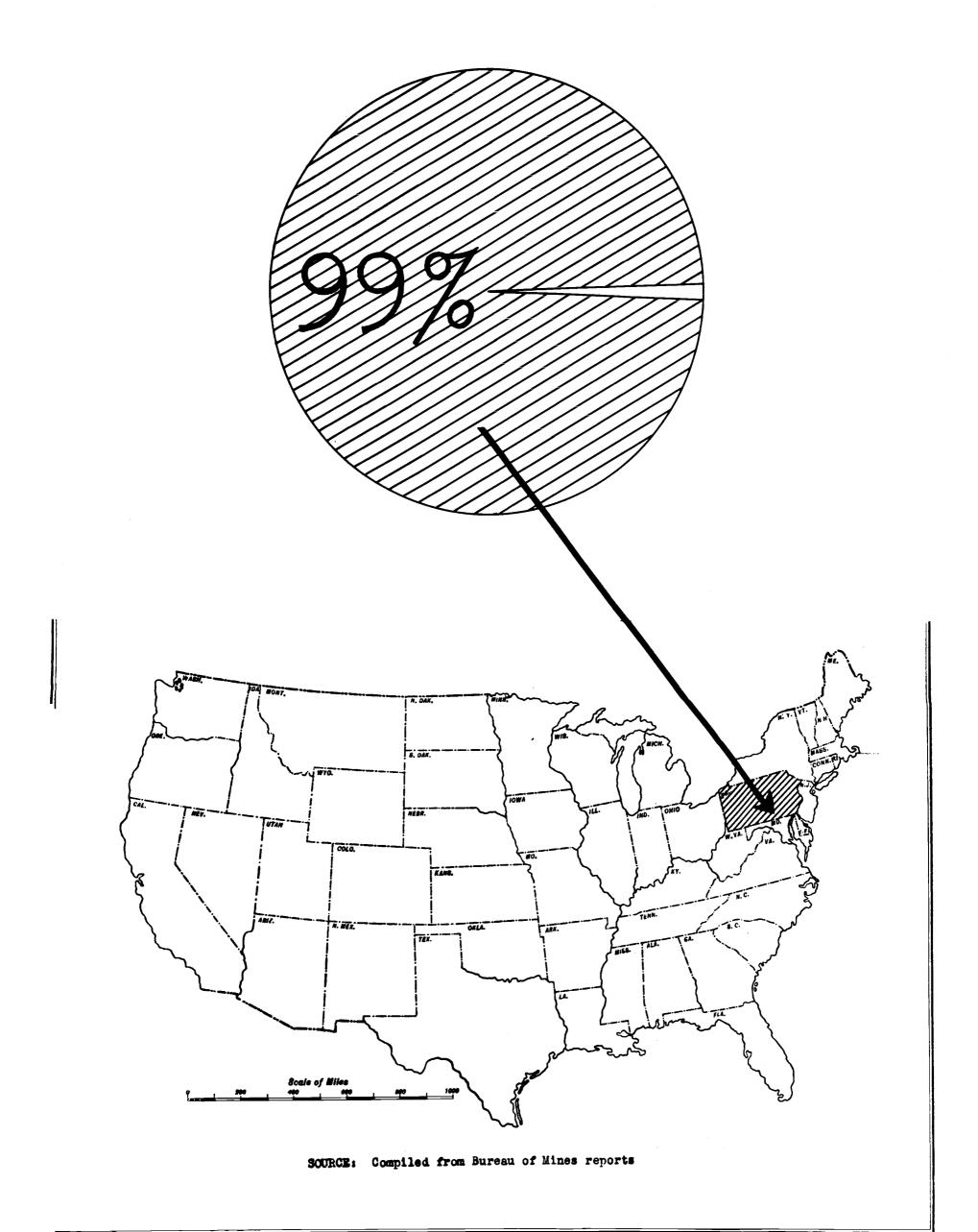


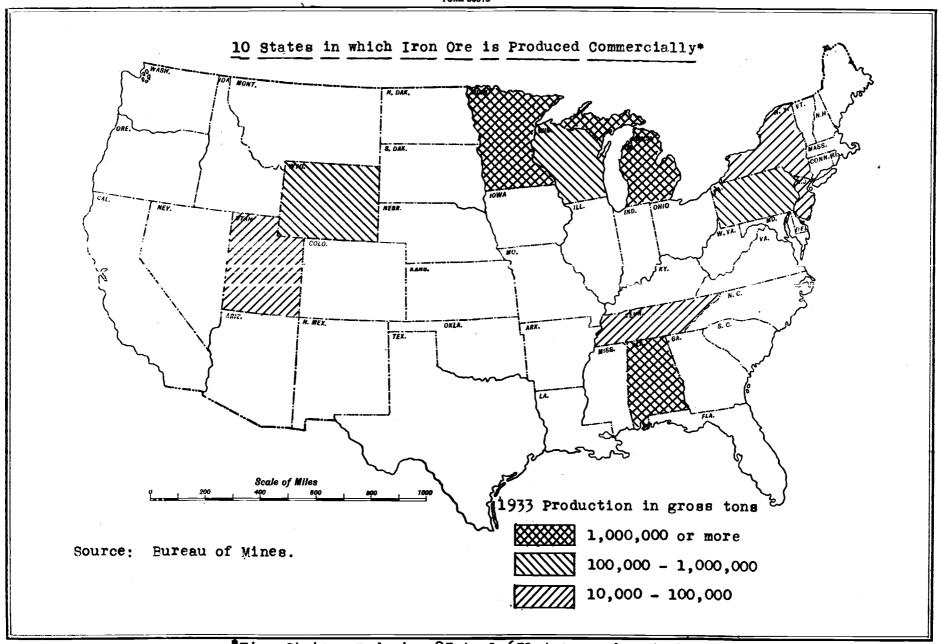
[fol. 1020] Plaintiff's Exhibit 81-D

Production of Anthracite and Semianthracite Coal by States, 1933

Pennsylvania Virginia Arkansas, Colorado, and New Mexico	165,284
Total	49,891,412

(Here follow two maps, Pltff's Exhibits 81-E and 81-F, side folios 1021 and 1022.)





*Five States producing 25 to 1,631 tons each not shown

[fol. 1023]

PL'ff's Ex. 81-G

Iron Ore Mined in the United States in 1933

By States

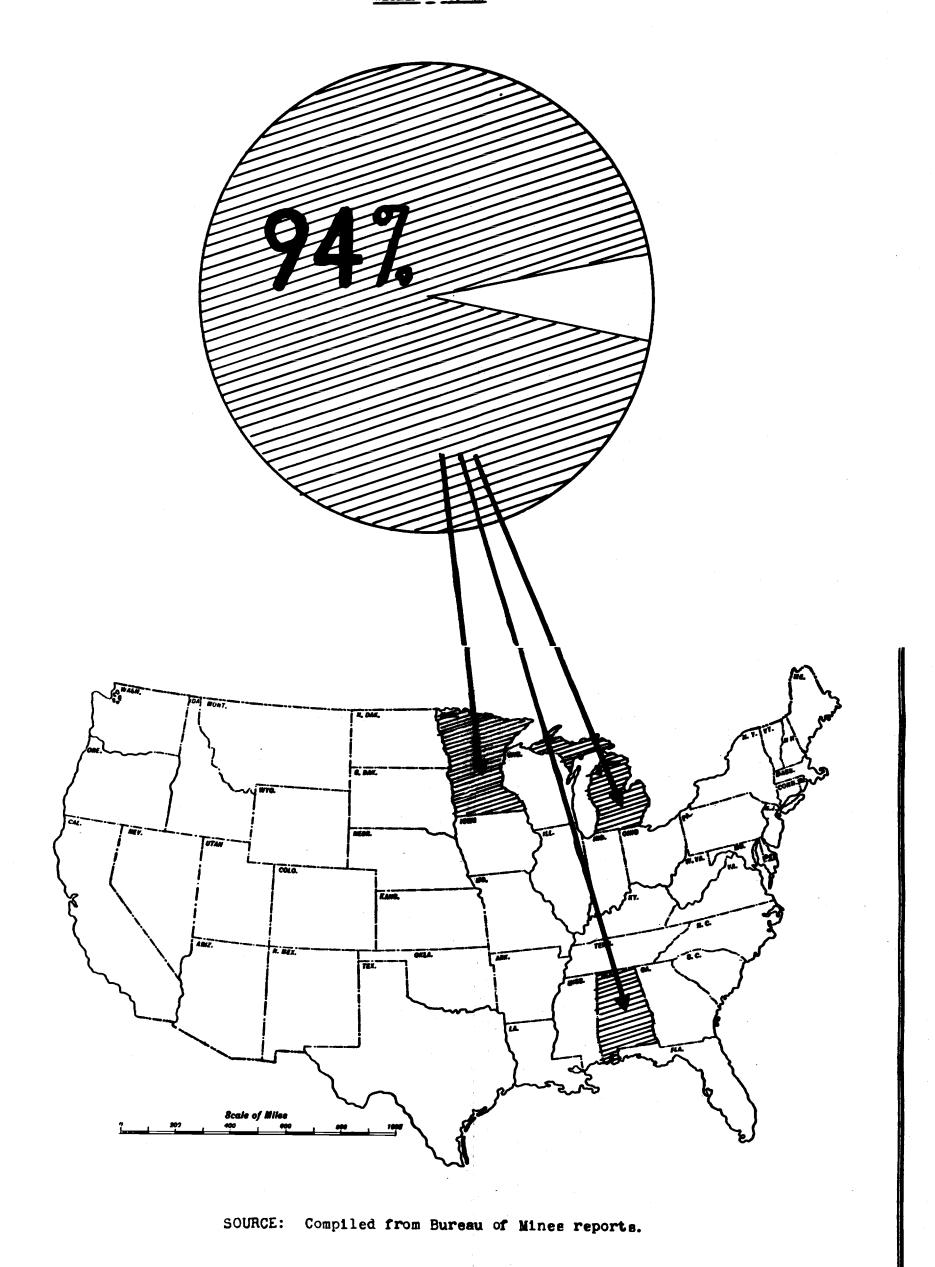
In Gross tons

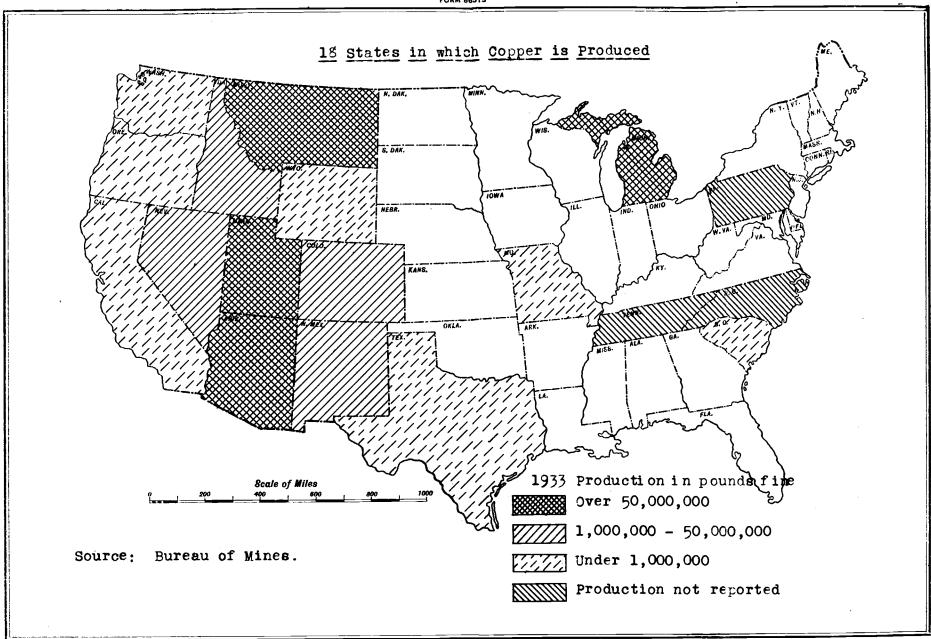
(Exclusive of ore containing 5 per cent or more manganese)

Alabama	2,133,457
California	25
Georgia	1,302
Michigan	2,433,949
Minnesota	11,948,596
Missouri	395
New Jersey	73,144
New York	58,718
Pennsylvania	264,366
Tennessee	24,912
Utah	95,279
Virginia	287
Washington	1,631
Wisconsin	228,487
Wyoming	288,640
Total, 1933	17,553,188

(Here follow 2 maps, Pltff's Exhibits 81-H and 81-I, side folios 1024 and 1025.)

▲ OF IRON ORE PRODUCED
 WITHIN 3 STATES





[fol. 1026] PLTFF's Ex. 81-J

Origin of Smelter Production by States of Copper Produced in the United States from Domestic Ores, 1933

(Smelter Output, in Pounds Fine)

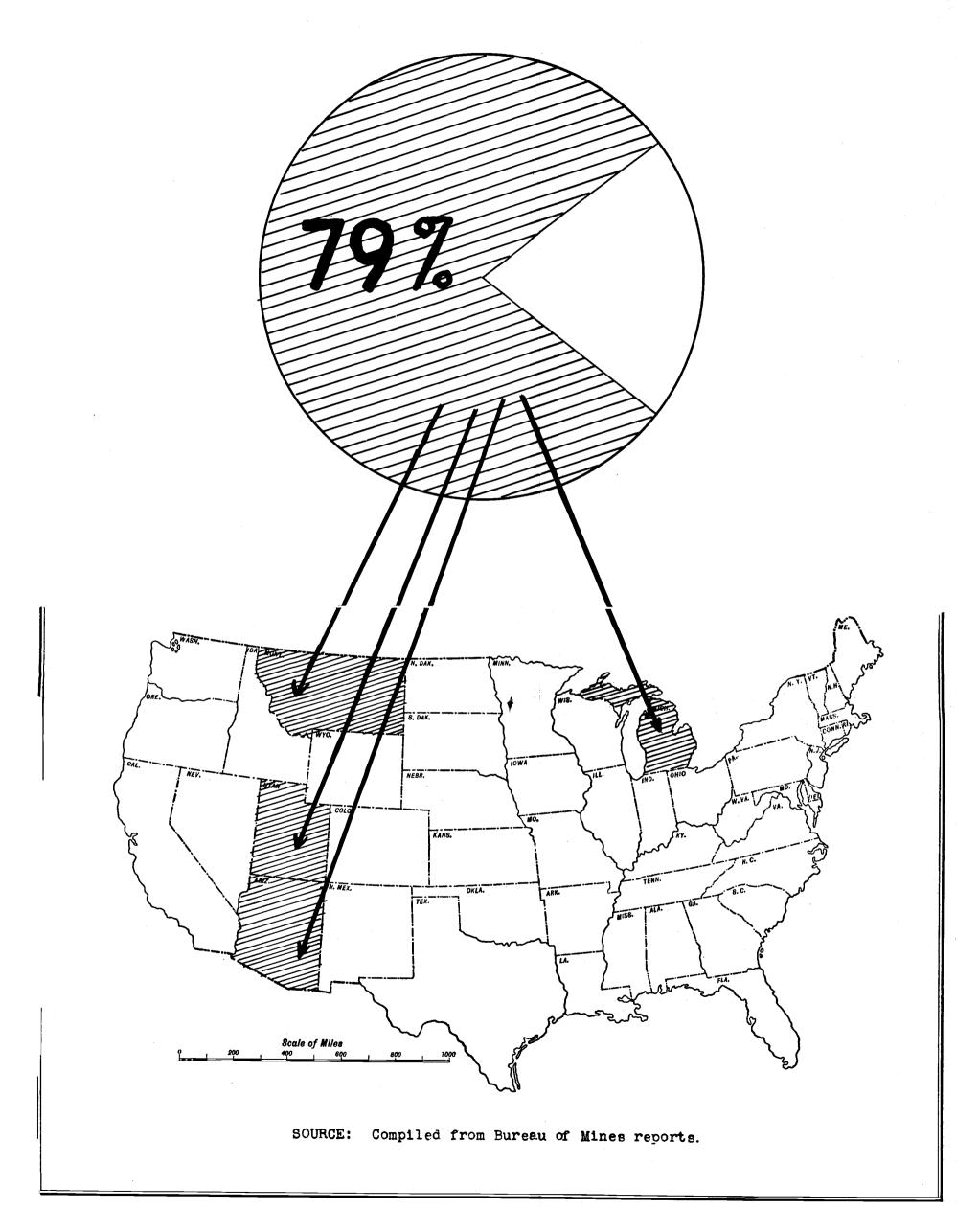
Alaska	1,575,936
Arizona	122,697,035
California	632,049
Colorado	8,882,397
Idaho	2,183,284
Michigan	72,340,852
Missouri	181,703
Montana	94,262,751
Nevada	42,507,400
New Mexico	29,948,272
North Carolina	*
Oregon	9,301
Pennsylvania	*
South Carolina	408
Tennessee	*
Texas	2,137
Utah	65,655,914
Vermont	
Washington	87,199
Wyoming	46
Undistributed	14,032,559
	449,999,143

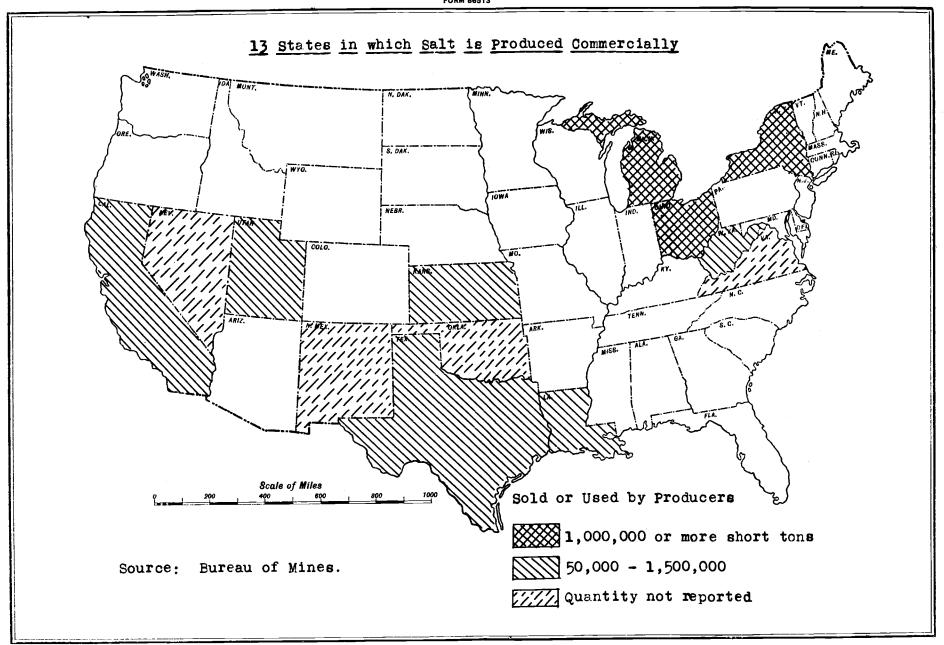
^{*}Included under "Undistributed." Bureau of Mines not at liberty to publish figures.

(Here follow 2 maps, Pltff's Exhibits 81-K and 81-L, side folios 1027 and 1028.)

% OF COPPER PRODUCED
WITHIN 4 STATES

Plaintiff's Ex. 81-K





[fol. 1029]

Plt'ff's Ex. 81-M

Salt Sold or Used by Producers in the United States, 1933, by States

State	Short tons	Value
California	331,009	\$2,018,694
Kansas	732,947	3,039,343
Louisiana	532,569	2,345,208
Michigan	2,090,254	5,679,737
New York	1,847,696	5,120,846
Ohio	1,382,294	2,599,055
Texas	165,603	560,085
Utah	56,305	141,330
West Virginia	63,818	329,051
Undistributed*	402,477	484,737
	7,604,972	\$22,318,086

^{*} Nevada, New Mexico, Oklahoma, Puerto Rico and Virginia.

(Here follow 2 maps, Pltff's Exhibits 81-N and 81-O, side folios 1030 and 1031.)

WITHIN 4 STATES

