

Parsons Paper Company Payroll & Employment Analysis - Stat 210

Anna Zhou & Sarah Edelson

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Introduction

The Parsons Paper Register contains over 300 pages of employee and payroll records from January 1861 to April 1869 from Parsons Paper Company in Holyoke, Massachusetts. Founded in 1853 by Joseph Parsons, Parsons Paper Company was the oldest and largest manufacturer of cotton-based high quality writing papers in Holyoke until its liquidation in 2005. The original pages of the register, which is now property of the Holyoke Public Library, were scanned on January 10, 2023 as part of this class (Mining the History of Holyoke) and screenshots are included in the analysis below. Pages contain information such as employee name and signature, role, days worked, daily pay, and total wages earned, and are organized by separate pay periods.

```
#data set transcribed from p.253 above of the register
register <- readr::read_csv(
  "https://nhorton.people.amherst.edu/stat210/Parsons_page253.csv") |>
  mutate(daily_pay = total / number_days)

Rows: 44 Columns: 12
-- Column specification -----
Delimiter: ","
chr (4): lastname, firstname, signature_x, note
dbl (6): number_days, price1, price2, total, rent_or_board, balance_due
lgl (2): number_pounds, number_reams

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

Received of the PARSONS PAPER COMPANY, by their Agent, the sum specified to and Signatures,
being in full of all demands up to February 1st 1867.

NAMES.	NO. POUNDS.	NO. REAMS.	NO. DAYS.	PRICE.	TOTAL AMOUNT.	RENT, OR BOARD.	BALANCE DUE.	DATE.	SIGNATURES.
William Johnson	24 ¹ / ₂	16 ¹ / ₂	6	67.87	407.22	67.37	339.85		Wm Johnson
John V. Conn	21 ¹ / ₂	9 ¹ / ₂	30.95	11.67	302.85				John V. Conn
William Connor	25 ¹ / ₂	6 ¹ / ₂	68.75	7.25	61.50				William Connor
Martin Kennedy	28 ¹ / ₂	9 ¹ / ₂	87.38		87.38				Martin Kennedy
Patrick Casey	28 ¹ / ₂	12 ¹ / ₂	51.00		51.00				Patrick Casey
John Gallagher	25 ¹ / ₂	8 ¹ / ₂	87.50		87.50				John Gallagher
John Vaughn	25 ¹ / ₂	14 ¹ / ₂	50.00		50.00				John Vaughn
John Doyle	27 ¹ / ₂	9 ¹ / ₂	40.50		40.50				John Doyle
Sam'l J. Knight	27 ¹ / ₂	8 ¹ / ₂	55.00		55.00				Sam'l J. Knight
Philip Gilligan	28 ¹ / ₂	7 ¹ / ₂	57.00		57.00				Philip Gilligan
John Conahan	28 ¹ / ₂	8 ¹ / ₂	56.00		56.00	6.25	49.75		John Conahan
Frank Russell	21 ¹ / ₂	11 ¹ / ₂	48.12		48.12				Frank Russell
Charles Johnson	28 ¹ / ₂	7 ¹ / ₂	35.63		35.63				Charles Johnson
William Somerv	27 ¹ / ₂	8 ¹ / ₂	94.50		94.50				William Somerv
John Flynn	29 ¹ / ₂	9 ¹ / ₂	67.50		67.50				John Flynn
E. H. Wellington	27 ¹ / ₂	7 ¹ / ₂	57.75		57.75	6.25	51.50		E. H. Wellington
Austin Ely	27 ¹ / ₂	10 ¹ / ₂	149.70		149.70				Austin Ely
John McKey	30 ¹ / ₂	7 ¹ / ₂	48.83		48.83				John McKey
Charles Shring	27 ¹ / ₂	11 ¹ / ₂	58.50		58.50				Charles Shring
J. A. Allen	27 ¹ / ₂	9 ¹ / ₂	40.50	5.00	35.50				J. A. Allen
Dick Ryan	31 ¹ / ₂	8 ¹ / ₂	56.83		56.83				Dick Ryan
Pat & Kavanagh	31 ¹ / ₂	4 ¹ / ₂	46.50		46.50				Pat & Kavanagh
Nickie McAllister	20 ¹ / ₂	11 ¹ / ₂	53.17		53.17				Nickie McAllister
Edward West	25 ¹ / ₂	8 ¹ / ₂	40.63		40.63				Edward West
Cat. Mayatty	28 ¹ / ₂	11 ¹ / ₂	44.62	1.67	39.95				Cat. Mayatty
Cat. O'Kane	27 ¹ / ₂	9 ¹ / ₂	48.88	5.71	38.17				Cat. O'Kane
Joe Brandon	6 ¹ / ₂	9 ¹ / ₂	9.75	5.00	4.75				Joe Brandon
Joe Brandon Jr	28 ¹ / ₂	9 ¹ / ₂	45.50		45.50				Joe Brandon Jr
John Naughton	27 ¹ / ₂	10 ¹ / ₂	97.25		97.25				John Naughton
Eugene Kelly	28 ¹ / ₂	9 ¹ / ₂	39.00		39.00				Eugene Kelly
James D. Davis	26 ¹ / ₂	9 ¹ / ₂	39.75		39.75				James D. Davis
James D. Davis	18 ¹ / ₂	9 ¹ / ₂	27.75		27.75				James D. Davis
John Shea	2 ¹ / ₂	9 ¹ / ₂	75		75				John Shea
John Farren	11 ¹ / ₂	12 ¹ / ₂	12.57		12.57				John Farren
Mary Denby	27 ¹ / ₂	9 ¹ / ₂	30.37		30.37				Mary Denby
Kate Wilson	30 ¹ / ₂	2 ¹ / ₂	27		27				Kate Wilson
Kate Moran	30 ¹ / ₂	2 ¹ / ₂	25.87		25.87				Kate Moran
Kate Baldwin	23 ¹ / ₂	2 ¹ / ₂	7.12		7.12				Kate Baldwin
Philip Gilligan			1.00		1.00				Philip Gilligan
John Flynn									John Flynn
John Spain D. C.									John Spain D. C.
Augusta Ely	28 ¹ / ₂	18 ¹ / ₂	76.50		76.50				Augusta Ely
Walter Buckley	20 ¹ / ₂	18 ¹ / ₂	61.50		61.50				Walter Buckley
J. M. Allen	25 ¹ / ₂	19 ¹ / ₂	62.50		62.50				J. M. Allen
John Alden	23 ¹ / ₂	18 ¹ / ₂	61.78	4.00	47.78				John Alden
Austin Knell	23 ¹ / ₂	18 ¹ / ₂	52.82		52.82				Austin Knell
Pat Casey	33 ¹ / ₂	19 ¹ / ₂	63.62		63.62				Pat Casey
Austin Ely	27 ¹ / ₂	19 ¹ / ₂	81.00		81.00				Austin Ely
Malva Buckley	27 ¹ / ₂	19 ¹ / ₂	81.00		81.00				Malva Buckley
J. M. Alden	27 ¹ / ₂	18 ¹ / ₂	67.50		67.50				J. M. Alden
Martin Neill	27 ¹ / ₂	19 ¹ / ₂	60.75	4.00	56.75				Martin Neill
Pat Casey	33 ¹ / ₂	19 ¹ / ₂	63.62		63.62				Pat Casey
					343.87	44.00	309.87		

Figure 1: Ex. p. 253 of register - February 1st, 1867

```
glimpse(register)
```

```
Rows: 44
Columns: 13
$ lastname      <chr> "Johnson", "O'Brien", "Connor", "Kennedy", "Casey", "Gal-
$ firstname     <chr> "William", "John W.", "William", "Martin", "James", "Tho-
$ number_pounds <lgl> NA, ~
$ number_reams   <lgl> NA, ~
$ number_days    <dbl> 24.50, 21.50, 25.00, 23.00, 25.50, 25.00, 25.00, 27.00, ~
$ price1         <dbl> 16, 9, 16, 9, 12, 9, 12, 12, 12, 10, 7, 21, 15, 1-
$ price2         <dbl> 6, 9, 6, 9, 0, 0, 0, 0, 0, 0, 6, 6, 0, 0, 6, 9, 6, 0, ~
$ total          <dbl> 67.37, 34.95, 68.75, 37.38, 51.00, 37.50, 50.00, 40.50, ~
$ rent_or_board   <dbl> NA, 4.67, 7.25, 0.00, 0.00, 0.00, 0.00, 0.00, 7.25, 0.00-
$ balance_due    <dbl> 67.37, 30.28, 61.50, 37.38, 51.00, 37.50, 50.00, 40.50, ~
$ signature_x     <chr> "yes", "yes", "yes", "no", "no", "no", "no", "no", "no", "no", ~
$ note            <chr> NA, "Brown and Flood?", NA, NA, NA, NA, NA, NA, NA, NA, ~
$ daily_pay       <dbl> 2.750, 1.626, 2.750, 1.625, 2.000, 1.500, 2.000, 1.500, ~

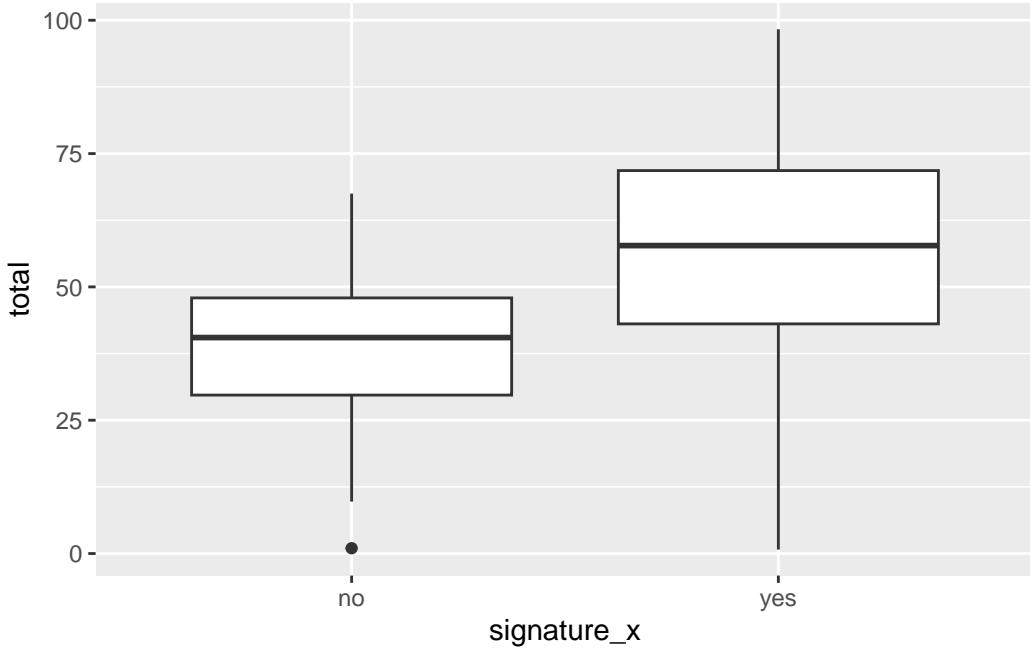
#comparing number of employees able ('yes) to write their signature vs unable ('no')
mosaic::tally(~ signature_x, margins = TRUE, data = register)

signature_x
no yes Total
24 20 44

mosaic::tally(~ signature_x, format = "prop", data = register)

signature_x
no yes
0.5455 0.4545

gf_boxplot(total ~ signature_x, data = register)
```



In the example analysis above, we transcribed page 253 of the register onto a spreadsheet and compared the number of employees who were able to sign their own signatures to the number of employees who were not able to on a singular page. Based off these findings, it appears that a large portion (slightly more than half) of the employees at Parsons Paper Company were illiterate, especially the women, who largely lacked formal education.

The goal of the following report is to further explore patterns in employment and different groups of employees over time by analyzing the payroll records in the 1861-1869 time period, both before and after the end of the Civil War. First, we aimed to quantify the length of a single pay period as well as the number of employees working at Parsons Paper Company during the era spanning the register. The 1860s were a time of great growth for the company, and by the beginning of the Civil War in 1861 Parsons Paper Company had already become the largest manufacturer of writing and envelope paper in the United States. We then examined the distribution of different roles within the company, ranging from women who worked in the “rag room” where the raw material for paper was cut and processed, to men who worked in the engine room and repairs.

In History of the Connecticut Valley in Massachusetts: History of Franklin County. History of Hampden County (1879), access [here](#) via Google Books, L.H Everts provides more information about the layout of the mill and the different departments of employment, which helped us determine job names that we could not originally decipher (i.e. “jobber”). Everts writes that,

“The buildings of this company are situated on the river-bank near the dam, and were built in 1853. They are two in number,—the main mill, where the paper is made, and what is known as the finishing-mill, where it is finished. The former is a structure three stories and a basement

high. The upper floor and attic are devoted to drying purposes, while the second story contains the storehouse and rag-rooms. About 175 persons are employed on the two floors. On the ground-floor is the engine-room, which contains sixteen 450-pound and fourteen 250-pound engines. The mill has three Fourdrinier machines, two of them are 62-inch and the other 72-inch. It has two bleach-boilers, of 3 1/2 and 2 1/2 tons respectively, and 4 sheet calendars and a web calendar and 2 hydraulic presses. The finishing-mill is also situated on the bank of the river, a short distance from the other mill, and, like that, is a brick structure three stories high. The attic and third floor are used for packing, and on the second floor the paper is reeled and jogged. On the first floor are eight 6-roll calendars and three powerful hydraulic presses, and in the basement is a box-factory and plating-machines" (919).

From Burt's Illustrated Guide of the Connecticut Valley ([page 79](#)), we also know that at the end of 1867, the Parsons Paper Co. employed 150 people and had "nineteen engines for grinding rags," turning out "800 tons of paper yearly.

One of the central goals of this class is to make the information contained in the Parsons Paper Register and related materials more accessible and widely available to those interested in the rich history of Holyoke. We hope that this report can provide some insight into the different day-to-day operations at Parsons Paper Company, as well as the individuals who worked there, many of whom stayed for several years.

How many days in a pay period?

- The Parsons Paper Company register comprises monthly pay periods from January 1861-April 1869
- Pay periods appear to be a month long with employees typically getting paid on the 1st of the next (?) month
- Based off the spreadsheet from p. 253, most employees work between 20-30 days each pay period, the average is around 27 so most employees work at least 6 days/week
 - In Chapter IV of Green's book, she writes that male Holyoke paper makers worked 58-72 hours a week
 - * 11.25 hours five days a week + 8.75 hours on Saturday was typical for Holyoke textile mills
 - Women worked slightly shorter hours
- Pgs. 223-225 appear to comprise an entire pay period for the month of April in 1868 (most pay periods span ~3 pages in the register)
- Pgs. 223-225 and Pgs. 261-263 below are exactly one year apart in the register (April 1st 1867 + April 1st 1868)

Received of the PARSONS PAPER COMPANY, by their Agent, the sum specified to our Signatures,
being in full of all demands up to April 1st 1867.

NAMES	NO. POUNDS.	NO. REAMS.	NO. DAYS.	PRICE.	TOTAL AMOUNT.	RENT, OR BOARD.	BALANCE DUE.	DATE.	SIGNATURES.
George Papillion	27 ² 13 ₀	6	6187		61.87	Apr 15			George Papillion
James P. Queen	29 ³ 9 ₀	8	572		37.12	"			James P. Queen
Walter F. Lord	28 ⁴ 2 ₀	5	5600	6.25	30.75	"			Walter F. Lord
George A. Day	26 ¹³ 1 ₀	5	5850	6.25	32.25	"			Geo. A. Day
Oscar Whelby	25 ¹¹ 1 ₀	4	4419	12	52.19	"			Oscar Whelby
J. S. Palmer Sales	26 ⁸ 0 ₀	3	3467	13.14	21.53	"			J. S. Palmer Sales
Lawrence Farrell	20 ⁹ 0 ₀	4	4200	13.14	28.86	"			Lawrence Farrell
Samuel Lawrence	16 ² 0 ₀	1	1025	12	7.25	"			Samuel Lawrence
Charles K. Morgan	15 ⁴ 0 ₀	1	1000		10	"			Charles K. Morgan
Mary J. Day	26 ⁶ 0 ₀	2	26		26	"			Mary J. Day
Mary Hollingshead	26 ⁶ 0 ₀	2	26		26	"			Mary Hollingshead
Ellen Donohue	24 ² 0 ₀	2	20.50		24.50	"			Ellen Donohue
Ellie Morgan	26 ⁶ 0 ₀	2	26		26	"			Ellie Morgan
Thomas Stach	26 ⁶ 0 ₀	2	26		26	"			Thomas Stach
M. Casey (Korean)	23 ³ 0 ₀	2	23.50		23.50	"			M. Casey (Korean)
Mary Peeler	25 ³ 0 ₀	2	25.75		25.75	"			Mary Peeler
Emilia Marsh	25 ⁶ 0 ₀	2	25.25	12	15.25	"			Emilia Marsh
Malina Colly	26 ⁶ 0 ₀	2	26		26	"			Malina Colly
Astoria Colby	24 ² 0 ₀	2	20.50	9.00	15.50	"			Astoria Colby
Kes Smith	18 ² 0 ₀	1	18.50		18.50	"			Kes Smith
Fanny Strong	25 ⁶ 0 ₀	2	25		25	"			Fanny Strong
E. Tomlinson	26 ⁶ 0 ₀	2	26	3	23	"			E. Tomlinson
Anna Gill	23 ⁸ 0 ₀	2	25.50	12	13.50	"			Anna Gill
J. W. Eccles	25 ⁶ 0 ₀	2	25	6.85	18.15	"			J. W. Eccles
G. Whittemore	25 ⁶ 0 ₀	2	25		25	"			G. Whittemore
Carrie Galvez	25 ⁶ 0 ₀	2	25.75		25.75	"			Carrie Galvez
Mico J. Perry	25 ⁶ 0 ₀	2	25		25	"			Mico J. Perry
Maria Bowes	25 ⁶ 0 ₀	2	24.75	12	12.75	"			Maria Bowes
E. Barnes	20 ⁵ 0 ₀	2	20.50		20.50	"			E. Barnes
Abby Allen	9 ² 0 ₀	1	8.10		8.10	"			Abby Allen
Mary Feltz	18 ⁶ 0 ₀	1	18	9.86	8.14	"			Mary Feltz
Mary Brown	26 ⁶ 0 ₀	2	26		26	"			Mary Brown
Margaret Dowd	3 ⁶ 0 ₀	1	3		3	"			Margaret Dowd
Margaret Melrose	17 ⁶ 0 ₀	1	11.50	6	5.50	"			Margaret Melrose
H. Brown	5 ¹⁶ 0 ₀	2	18.64	12	6.64	"			H. Brown
Jeffanna Dover	C. 5 ¹² 0 ₀	52	53	30.40	6.25	24.20			Jeffanna Dover
Lucy Allen	12 ⁵ 0 ₀	58	58	35.74		35.74			Lucy Allen
J. Cormac	17 ⁶ 0 ₀	58	58	35.74		35.74			J. Cormac
Sarah Francis	8 ² 0 ₀	57	57	26.97	9.00	17.97			Sarah Francis
E. A. Allen	11 ¹ 0 ₀	57	57	25.8	25.8	2.96			E. A. Allen
H. Brown	" 587	2	15.14		15.14	"			H. Brown
Margaret Dowd	" 724	2	14.48		14.48	"			Margaret Dowd
E. M. Scott	" 111	2	22.56		22.56	"			E. M. Scott
Martha Wright	" 989	2	18.78	7.00	11.78	"			Martha Wright
Julia Cormac	" 401	2	8.42	53	7.92	"			Julia Cormac
O. H. Meeker					147.00	170.52	97.60		
L. Powell									
R. P. Sykes									
Kun L. Lawrence									



Figure 2: p. 223 of register, see p.224-225 in 'Appendix'

Received of the PARSONS PAPER COMPANY, by their Agent, the sum specified to our Signatures,
being in full of all demands up to April 1st 1868.

NAMES.	No. POUNDS.	No. REAMS.	No. DAYS.	PRICE.	TOTAL AMOUNT.	RENT, OR BOARD.	BALANCE DUE.	DATE.	SIGNATURES.
Geo Papillion	24 ³	104	6482		6482				George Papillion
Jesse L. Davis	22 ³	104		3981	3981				Jesse L. Davis
John Lord	24 ³	15		6375	725	5650			John Lord
Elo A. Day	24 ³	15		6063	725	5338			Elo A. Day
O. S. Miller	27 ¹	14		5017	1771	3246			O. S. Miller
O. J. Estee	26 ¹	18		4550	1771	2779			O. J. Estee
L. Carroll	21 ¹	15		5250		5250			L. Carroll
Charl Robertson	26 ¹	16		3250	1771	1479			Charl Robertson
Chas H. Morgan	26 ¹	5		2167		2167			Chas H. Morgan
Elen Dentine	25 ¹	6		2500		2500			Elen Dentine
John Stack	26 ¹			3033		3033			John Stack
H. Casey	20 ³	6		2550		2550			H. Casey
Elaine Birring	20 ³			2050		2050			Elaine Birring
Elo Shattuck	26 ¹			2600	1829	1291			Elo Shattuck
Sarah State	25 ¹			2350	1829	1021			Sarah State
Clara Woodworth	24 ¹			2400	1829	1071			Clara Woodworth
Elaura Curtis	26 ¹			3600		3600			Elaura Curtis
Mary Swift	26 ¹			2600		2600			Mary Swift
Lolly Norton	21 ¹			2150	1829	831			Lolly Norton
J. Buckland	18 ¹			1800	956	814			J. Buckland
E. Carlton	13 ¹			1300		1300			E. Carlton
Lizzie Davison	26 ¹			2600	1829	1271			Lizzie Davison
J. Endicott	26 ¹			2600		2600			J. Endicott
Adelia Hart	26 ¹			3600	1829	1271			Adelia Hart
Maria Davis	13 ¹				1325				Maria Davis
Maria Hart	25 ¹			2500	1829	1171			Maria Hart
Eliza Heath	25 ¹			2550		2550			Eliza Heath
Sarah Camp	24 ¹			2000		2000			Sarah Camp
Mary Smith	26 ¹			2600	1829	1271			Mary Smith
H. C. Davis	21 ¹	2		2764		2764			H. C. Davis
Lucy Allen	27 ¹	1		2977		2977			Lucy Allen
M. Brown	3724	40		2009	1829	680			M. Brown
Young Davis	21 ¹	2		2871		2871			Young Davis
E. Allen	1171	2		2502		2502			E. Allen
Mary Conford	780	1		1560	1560	00			Mary Conford
G. C. Ford	906	1		1812		1812			G. C. Ford
Walthu Daight	756	1		1512	700	812			Walthu Daight
C. Collierian	1069	1		2135	1829	864			C. Collierian
J. Remmigard	915	1		1830		1830			J. Remmigard
Roddy Davis	1302	7	6	700		700			Roddy Davis
M. Green	2105	25	58	1464		1464			M. Green
H. S. Hobart	2159	9	8	551		551			H. S. Hobart
Julia Combe	2111	2		428		428			Julia Combe
Zy. Brown	168	2		336		336			Zy. Brown
Wendywood	11 ¹	6		450		450			Wendywood
Mary Davis	650	2		1360	625	735			Mary Davis
"	240	2		600		600			"
"	260	3		780		780			"
"	702	2		1404		1404			"
"	496	3		1455		1455			"
"	400	2		800	583	217			"
					10960	5807	9746		

Figure 3: p. 261 of register, see p.262-263 in 'Appendix'

How many employees during this era?

- To quantify this, we counted the number of employees throughout each of the following pay periods by hand by going through the pages of the register one by one:
 - Counted 92 employees in April 1861, 122 employees in April 1862, 141 employees in April 1863, 128 employees in April 1864, 159 employees in April 1865, 144 employees in April 1866, 131 employees in April 1867, 153 employees in April 1868, 153 employees in April 1869
 - * Average across the measured 9 years = **136 employees between 1861-1869**
 - Subset Pages: 8-10 (1861) 43-45 (1862), 79-81 (1863), 115-117 (1864 - this month also has pay records from the 30th not included in the employee count above), 151-153 (1865), 187-189 (1866) 223-225 (1867), 261-263 (1868), 314-316 (1869)
 - * Number of employees generally increased over time
 - Green mentions that these mills had abnormally high employee retention rates
 - Boom in employment towards end of Civil War in 1865

What types of jobs are there?

We are listing the roles and the page # where it is first introduced

- ? (001) - looks like “MFC”
- repairs (001)
- rag room (002)
- finishers (002)
- MFC Mill (005) -> we googled and found that this is actually the name of a milling machine
- foreman (005)
- machine room (005)
- engine room (005)
- soft hands (005)
- fireman (005)
- size hands (005)

- joggers (005)
- watchmen (005)
- overseer (006)
- day hands (007)
- sorters (007)
- stamp & sealer (007)
- count & folder (007)
- engineers (009)
- machine hands (009)
- stamper (011)
- sealer (011)
- sorter (011)
- extra (011)
- borders (013)
- linen (021)
- cotton (021)
- cutter (023)
- repair & watchmen (030)

**Spreadsheet tracking employment by job type for first 6 months of the register
(Jan-Jun 1861)**

[Link to full spreadsheet](#)

```
employment <- read.csv("parsons_jobs.csv")
kable(employment)
```

MonthYear	Job	Coun	Page	Monthly	Notes
January 1861	MFC	25	1	77	
January 1861	repairs	4	1	77	

Month	Year	Job	Coun	Page.	Monthly	Notes	Total
January	1861	rag room	25	2	77		
January	1861	finishers	23	2	77		
February	1861	MFC	25	3	75		
February	1861	repairs	4	3	75		
February	1861	rag room	24	4	75		
February	1861	finishers	22	4	75		
March	1861	foreman	1	5	85		
March	1861	machine room	3	5	85	subgroup of MFC - looks like they broke out subgroups within the MFC	
March	1861	engine room	7	5	85	subgroup of MFC - looks like they broke out subgroups within the MFC	
March	1861	soft hands	4	5	85	subgroup of MFC - looks like they broke out subgroups within the MFC	
March	1861	fireman	2	5	85	subgroup of MFC - looks like they broke out subgroups within the MFC	
March	1861	size hands	2	5	85	subgroup of MFC - looks like they broke out subgroups within the MFC	
March	1861	joggers	3	5	85	subgroup of MFC - looks like they broke out subgroups within the MFC	
March	1861	watchmen	4	5	85		
March	1861	rag room	23	6	85	the count includes the overseer	
March	1861	repairs	4	6	85		
March	1861	finishers	21	7	85		
March	1861	sorters	5	7	85		
March	1861	stamper & sealer	2	7	85		
March	1861	count & folders	2	7	85		
March	1861	sorters	2	7	85		
April	1861	rag room	6	8	93		
April	1861	cutters	17	8	93	subgroup of rag room - looks like they broke out subgroups within the rag room	
April	1861	repairs	4	8	93		
April	1861	MFC	1	9	93	might be the overseer?	

Month	Year	Job	Coun	Page.	Monthly	Notes	\$
April	1861	machine room	3	9	93	within MFC?	
April	1861	engineers	7	9	93		
April	1861	soft hands	3	9	93		
April	1861	size hands	2	9	93		
April	1861	joggers	5	9	93		
April	1861	fireman	4	9	93	says "firemen" here, changing for consistency with previous job label, which said "fireman"	
April	1861	finishers	25	10	93		
April	1861	stamper & sealer	2	10	93		
April	1861	count & folders	3	10	93		
April	1861	sorters	11	10	93		
May	1861	no label	25	11	105	I think these people are finishers though - many of the same people that were labeled finishers for the previous month	
May	1861	stamper	1	11	105		
May	1861	sealer	1	11	105		
May	1861	count & folders	2	11	105		
May	1861	sorters	9	11	105		
May	1861	extra	1	11	105		
May	1861	no label	34	12	105		
May	1861	repairs	3	12	105		
May	1861	no label	25	13	105		
May	1861	borders	4	13	NA		
June	1861	no label	17	14	95		
June	1861	repairs	3	14	95		
June	1861	borders	6	14	95		
June	1861	no label	24	15	95		
June	1861	sorters	8	15	95		

Month	Year	Job	Coun	Page.	Monthly	Notes	\$
June	1861	count & folders	2	15		95	
June	1861	stamper	1	15		95	
June	1861	sealer	1	15		95	
June	1861	no label	33	16		95	

Role labels become very sporadic after first year

- ‘Repairs’ and ‘Repairs and Watchmen’, however, remain in their own section at the bottom throughout all of the pay periods
 - Presumably employees whose main role was to repair the machines + guard the factory instead of making paper
 - There were 5 people under “Repairs” for April 1st, 1867 (see p. 225 in ‘Appendix’) and 8 under April 1st, 1868 (see p. 262 in ‘Appendix’)
 - * First couple pages of unlabeled workers (presumably majority worked in engine and machine room) + Repairs and Watchmen are all males
- The sorters, stampers, sealers, count & folders, and rag room/cutter roles all appear to remain throughout 1861-1869, although there are much fewer of them compared to the unlabeled names
 - These roles were held by almost all women
 - Wages tend to be lower than male workers

Received of the PARSONS PAPER COMPANY, by their Agent, the sum prefixed to one Signature,
being in full of all demands up to 1st April 1819.

NAMES	NO. POUNDS.	NO. REAMS.	PRICE. DAYS.	TOTAL AMOUNT.	RENT, OR BOARD.	BALANCE DUE.	DATE.	SIGNATURES.
J. Ordway.	31 ¹ / ₂	10	\$2.00	52.00	Opus 14			J. Ordway
J. S. Peigney	26 ² /3	200	\$3.00	53.00				Wm. J. Peigney
J. S. Purcell	51 10	51 1/2		51.67				J. S. Purcell
John Flynn	55 100	55 1/2		55.00				John X Flynn
John H. Allen	21 100	24.00	6000	19.00				J. H. Allen
Sixy Rogers	41 ¹ / ₂	46 1/2		46.12	Opus 15			Sixy X Rogers
Patrick Begley	56 ² /3	111 1/2		111.00				Patrick Begley
John Begley	38 ¹ / ₂	25 1/2		25.50				John Begley
James Callahan	28 100	28 2/3		28.25				James X Callahan
John Callahan	27 ² / ₃	25 1/2		25.50				John X Callahan
Michael Ryan	26 1/2	29 50		29.50				Michael Ryan
William Perry	56 ² / ₃	59 75	10000	29.75				William Perry
William Spitzer	21 ² /3	59 75		59.75				Wm. Spitzer
Lawrence Winkle	26 ² /3	59 75		59.75				Lawrence Winkle
Patrick Mahony	27 ² / ₃	24 75		24.75				Pat X Mahony
Thomas Bishop	22 1/2	59 57		59.57				Thos. Bishop
John A. Prentiss	26 ¹ / ₂	51 20		51.20				J. M. Prentiss
William Hall	53 120	56 40		56.40				Will. Hall
H. B. Ingallion	25 1/2	28 12		28.12				H. B. Ingallion
Patrick Donahue	25 ² / ₃	25 18		25.18				Pat X Donahue
Mary Hodder	21 1/2	13 00		13.00				Mary X Hodder
Mrs. Baldwin	22 1/2	11 00		11.00				Mrs. X Baldwin
Catharine Powers	10 ² /3	5 25		5.25				Mrs. X Powers
Wesl. Winkle	11 ² /3	7 00		7.00				Lawrence Winkle
Thomas Blake	10 90 ²	9 00		9.00	Opus 5			Thomas Blake
John Caulkin	25 1/2	20 70		20.70	Opus 5			John Caulkin
James Cosy	19 4/6	14 25		14.25				James X Cosy
		994.74		15.00				
				779.74				
					Col. 100			
					Col. 100			

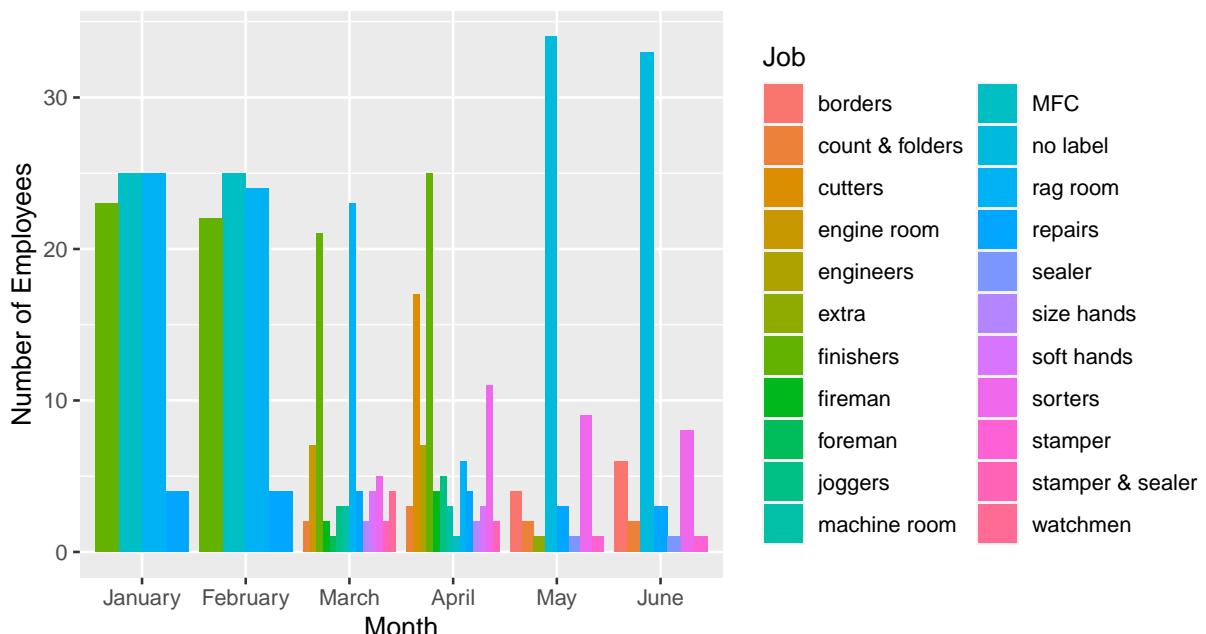
Repairs & Watchmen

R. S. Howard	6000	6000	6000	Opus 15	R. S. Howard
G. J. Seller	32 1/2	56 00	56 00		G. J. Seller
Anthony Kelly	50 100	50 00	50 00		Anthony Kelly
Chris Wellington	31 5/8	27 65	27 65		C. W. Wellington

Col. 100

Figure 4: p. 045 of register - 4 Repairs and Watchmen employees

Parsons Paper Company Employment by Job Type in 1861



The plot above shows the distribution of different roles within the paper company during the first six months of 1861. The unlabeled men, MFC mill workers, finishers, and rag room workers appear to be the most popular roles.

Quotes from Hickey thesis that may be of relevance to employment from 1861-1869

The quotes below are taken from John P. Hickey's University of Massachusetts thesis 'The Holyoke Area Paper Industry,' which was written in May 1953 and mainly focuses on the Holyoke paper industry in the first half of the 20th century. Quotes relevant to the time period we are interested in examining are included below.

- “In 1861, after a period of severe readjustment just prior to the Civil War, twenty-one of the thirty-six manufactures of fine papers met at Pittsfield...to organize a protective association. They desired to raise prices which had fallen drastically as the result of a decrease in demand. They agreed to reduce output by about one-third for about three months. This was the first trade association established in the paper industry of the United States....The Parsons Paper Company and the Carew Manufacturing Company were charter members of this organization” (108)
- “Since the discovery of how to utilize wood for the manufacture of paper in 1867, this raw material has been in increasing demand” (84)

- “several of the local mills were quite large, employing 200 or more workers” and there were “about 3700 workers employed in the local paper industry at the turn of the century” (4)
- “Repairs, if necessary, are undertaken on Sundays” (94)
- “In replacing a wire on a Fourdrinier paper machine, workers in the Holyoke mills receive half a day’s pay besides their regular pay during the hours they work on the replacement. This acts as an incentive to the workers to get the machine back in operation as soon as possible” (94)

Appendix

Received of the PARSONS PAPER COMPANY, by their Agent, the sum perfoiced to our Signatures,
being in full of all demands up to April 1st 1867.

NAMES.	NO. POUNDS.	NO. REAMS.	NO. DAYS.	TOTAL AMOUNT.	RENT, OR BOARD.	BALANCE DUE.	DATE.	SIGNATURES.
William Kelly	26	18	78	8.54	69.66	Sp. 15		William Kelly
Samuel F. Keedot	26	12	52	6.25	45.75	"		G. F. Keedot
Michael Rydal	26	7	5225	5.00	37.25	"		Michael Ryan
Catharine Beatty	25	7	2917		29.17	"		Catharine Beatty
Ellen Conroy	25	7	2917		29.17	"		Ellen Conroy
Bridget McConal	4177	9		37.59	37.59	"		Bridget McConal
Lelia Emerson	2929	7		26.56	2.00	24.56	"	Lelia Emerson
Catherine O'Hall	5763	7		55.55		55.55	"	Catherine O'Hall
Mary Murphy	3165	7		28.49		28.49	"	Mary Murphy
Rebecca Gould	5639	7		32.03		32.03	"	Rebecca Gould
Eliza Simeon	3114	7		32.55		32.55	"	Eliza Simeon
Mary Donahue	3856	7		34.52		34.52	"	Mary Donahue
Bridget Shand	3846	7		29.21		29.21	"	Bridget Shand
Margaret Fitzgerald	5835	7		39.52		39.52	"	Margaret Fitzgerald
Julia Spain	3647	7		33.27		33.27	"	Julia Spain
Maggie Lynch	2288	7		19.87		19.87	"	Maggie Lynch
Eliza Clark	2532	7		26.98	7	15.98	"	Eliza Clark
Peggy Maloney	3911	7		35.20		35.20	"	Peggy Maloney
Margaret Kelly	5595	7		31.92		31.92	"	Margaret Kelly
Margaret Coffey	4322	7		38.90		38.90	"	Margaret Coffey
Kennedy Fitzgerald	3434	7		30.91		30.91	"	Kennedy Fitzgerald
Catherine Stercklow	3404	7		31.09	7.00	24.09	"	Catherine Stercklow
Eliza Powers	2700	7		29.34		24.34	"	Eliza Powers
Johanna McCarty	3753	7		33.12		33.12	"	Johanna McCarty
Mary Gaughan	3103	7		29.93		29.93	"	Mary Gaughan
Rosina Mahony	2169	7		19.52		19.52	"	Rosina Mahony
Eliza Stock	3237	7		29.25		29.25	"	Eliza Stock
Ann Kennedy	4224	7		35.81		35.81	"	Ann Kennedy
Mary Marshall	1863	7		16.77		16.77	"	Mary Marshall
Margaret Vaughan	5709	7		35.34		35.34	"	Margaret Vaughan
Jane Sullivan	4773	7		37.56		37.56	"	Jane Sullivan
Anna Torney	3118	7		29.97		29.97	"	Anna Torney
Eliza Rogers	3666	7		27.60		27.60	"	Eliza Rogers
Mary Dooling	3702	7		30.88		30.88	"	Mary Dooling
Mary Mahoney	2957	7		26.61		26.61	"	Mary Mahoney
Mary McDoough	1711	7		15.42		15.42	"	Mary McDoough
Johanna Shea	3169	7		28.52		28.52	"	Johanna Shea
Johanna Dehan	4249	7		38.16		38.16	"	Johanna Dehan
Mary Ward	2086	7		18.77		18.77	"	Mary Ward
	112121			123818	35.50	120826		



Figure 5: p. 224 of register

Received of the PARSONS PAPER COMPANY, by their Agent, the sum prefixed to our Signatures,
being in full of all demands up to April 1st 1867.

NAMES.	No. POUNDS.	No. REARS.	No. DAYS.	PRICE.	TOTAL AMOUNT.	RENT, OR BOARD.	BALANCE DUE.	DATE.	SIGNATURES.
William J. Penney	26 35			84 50	84 50 Apr 15				Wm. J. Penney
John Wellington	27 35			74 25	6 25	68	"		John Wellington
John Duffy	26 25			66 25	6 25	60	"		John Duffy
John Flynn	22 25			49 50		49 50	"		John Flynn
P. O' Hare	26 7			52 25		32 25	"		P. O' Hare
Charles Stacey	26 12			52 00		32	"		Charles Stacey
John G. Allen	26 9			39 00	5	34	"		John G. Allen
Michael Ryan	17 7			29 75		29 75	"		Michael Ryan
John Carroll	37 2			63 62		65 62	"		John Carroll
John Slaughter	22 9			55 75		55 75	"		John Slaughter
Michael Markham	26 17			45 50		45 50	"		Michael Markham
Rose Baldwin	26 9			21 67		21 67	"		Rose Baldwin
Martin Moran	26 9			39 00		39	"		Martin Moran
James Moran	23 9			34 50		34 50	"		James Moran
Jefferson Powell	26 2			39 75		39 75	"		Jefferson Powell
William Johnson	25 57			63 12	8 54	54 78	"		William Johnson
Bob Deakins	26 9			39 00	4 00	35	"		Bob Deakins
Wm. Corcoran	26 39			66 87	8 34	58 63	"		Wm. Corcoran
Patrick Kennedy	26 9			39 00		39	"		Patrick Kennedy
James Casey	27 2			55 00		55	"		James Casey
John Vaughan	26 3			52 00		52	"		John Vaughan
Patrick Begley	36 9			51 00		51	"		Patrick Begley
J. L. O'Brien	26 36			53 50	8 34	50 16	"		J. L. O'Brien
J. D. A. Ballou	25 7			47 20		47 20	"		J. D. A. Ballou
Frank Russell	23 2			35 25		35 25	"		Frank Russell
Nick Haley	24 9			36		36	"		Nick Haley
Joseph Bordeau	25 9			110 13	10	10 63	"		Joseph Bordeau
John Conchon	22 1			40 30	10	30 30	"		John Conchon
Frank Cummings	23 9			35 25		35 25	"		Frank Cummings
Edmund Cain	26 9			39		39	"		Edmund Cain
Patrick Ryan	27 9			43 88	11	32 88	"		Patrick Ryan
" in April				81		81	"		
Frank Cummings				6 00		6 00	"		Frank Cummings
Morris Sammons	12 9			18		18	"		Morris Sammons
Thomas Johnson	28 9			42 75		12 75	"		Thomas Johnson
John Coulson	25 9			25		25	"		John Coulson
John Coulson in Apr	24 9			16 93		16 93			John Coulson in Apr
				150 78	22 52	149 26			

Repayments

Austin Ely	26 18	65 00	65	"	Austin Ely
J. M. Allen	26 15	65 00	65	"	J. M. Allen
H. C. Walter	26 25	65 00	8 34		H. C. Walter
Patrick Casey	32 7	32 00	52	"	Patrick Casey
Martin Newell	18 25	40 50	40 50	"	Martin Newell
		28 75	1 54	27 21	



Figure 6: p. 225 of register

Received of the PARSONS PAPER COMPANY, by their Agent, the sum specified to our Signatures,
being in full of all demands up to April 1st 1863.

NAMES, &c.	NO. POUNDS.	NO. REAMS.	PRICE.	TOTAL AMOUNT.	RENT, OR BOARD.	BALANCE DUE.	DATE.	SIGNATURES.
William Johnson	26 164	7150		7150				Wm Johnson
John C. Brine	26 90	3 9/4	488	488				Brace C. Brine
William Connor	26 164	7160		7160	6425			Wm Connor
Warren Kennedy	28 9/4	4850		4850				Warren Kennedy
James Curran	26 124	6350		6350				James Curran
John Callahan	26 9/4	39		39				John Callahan
John Vaughan	26 124	49		49				John Vaughan
John Sheppard	29 9/4	6560		6560	4383			John Sheppard
Sam'l. Knight	26 12	3200		725	4825			Sam'l. Knight
Charles Sibley	26 134	6019		6019				Charles Sibley
John Connelly	26 124	53		625	4675			John Connelly
Frank Burgess	25 106	4875		700	3675			Frank Burgess
Chammon, Johnson	26 76	3250		3250				Chammon, Johnson
Hiram H. Davis	24 9/4	3187		3187				Hiram H. Davis
William Curran	26 28	9100		9100	91			William Curran
John Flynn	27 18	6750		6750				John Flynn
E. H. Wellington	26 196	8450		625	7825			E. H. Wellington
Martin Moran	26 9/4	4307		4307				Martin Moran
John McCloskey	26 196	8450		933	7517			John McCloskey
Charles Strong	26 134	5653		5653				Charles Strong
John H. Allen	26 9/4	39		500	34			John H. Allen
Mark Ryan	26 111	5957		5957				Mark Ryan
Pat Beglin	15 111	2750		2750				Pat Beglin
Mark Yarckham	28 11	5224		5224				Mark Yarckham
Tom Holt	26 106	4687		4687				Tom Holt
Pat Moriarty	26 106	1594		467	1121			Pat Moriarty
Pat G. Kure	27 9/4	4388		500	3838			Pat G. Kure
Joseph Beaudoin Jr	25 9/4	4063		500	3563			Joseph Beaudoin Jr
John Vaughan	26 106	4550		4550				John Vaughan
George Curley	21 9/4	3150		3150				George Curley
Pat Doyle	26 11	3997		3997				Pat Doyle
Mark C. Brine	25 1	3750		3750				Mark C. Brine
Thomas Sherry	26 11	3937		3937				Thomas Sherry
Mary Donlon	26 69	2925		2925				Mary Donlon
Kate Silliman	26 "	2925		2925				Kate Silliman
Kate Moran	26 "	2925		2925				Kate Moran
Kate Baldwin	24 "	2770		2770				Kate Baldwin
Jessie O' Neill	7 9	1050		1050				Jessie O' Neill
John Flynn	24	100		100				John Flynn
		17237		300	1497			
Rehais & Co.								
Stephen Ely	26 18	7800		7800				Stephen Ely
John Buckley	21 18	6300		6300				John Buckley
J. M. Allen	23 18	6437		6437				J. M. Allen
Warren Kennedy	22 18	4957		4957	4680			Warren Kennedy
Pat Curran	8 1/4 99	6120		6120	5128			Pat Curran
John Sullivan	7 106	1225		1225	1225			John Sullivan
Edgar Donnan	8 99	1340		1340	13			Edgar Donnan
Henry Blackmore	7 124	1400		1400	10			Henry Blackmore
		34530		800	33730			
				2453	2453			
				2353	2353			
				2253	2253			
				2153	2153			
				2053	2053			
				1953	1953			
				1853	1853			
				1753	1753			
				1653	1653			
				1553	1553			
				1453	1453			
				1353	1353			
				1253	1253			
				1153	1153			
				1053	1053			
				953	953			
				853	853			
				753	753			
				653	653			
				553	553			
				453	453			
				353	353			
				253	253			
				153	153			
				53	53			
				33	33			
				23	23			
				13	13			
				3	3			
				1	1			

Figure 7: p. 262 of register

Received of the PARSONS PAPER COMPANY, by their Agent, the sum specified to our Signatures,
being in full of all demands up to April 1st 1863.

NAMES.	NO. POUNDS.	NO. REAMS.	NO. DAYS.	PRICE.	TOTAL AMOUNT.	RENT, OR BOARD.	BALANCE DUE.	DATE.	SIGNATURES.
William Kelly	26151	7800	903	6867	6867				William Kelly
Michael Ryan	2839	4632	500	4132	4132				Michael Ryan
Ellen Cavanagh	2671	3033		3033	3033				Ellen Cavanagh
Kate Sheridan	2671	8033	700	2333	2333				Kate Sheridan
Ann Cavanagh	2671	8033		3033	3033				Ann Cavanagh
Jean Davenport	2369	2587		3587	3587				Jean Davenport
John Clark	204	2200		2200	2200				John Clark
Catharine Gray	12476	80	1980	1980	1980				Catharine Gray
Katherine Shulman	21988	-	746	746	746				Katherine Shulman
Mary Kornogon	32784	-	2203	2203	2203				Mary Kornogon
Bridget Harrington	42235	-	1772	1772	1772				Bridget Harrington
Suzanna Emerson	52003	-	1602	200	1402				Suzanna Emerson
Mary Griswold	62771	-	2216	2216	2216				Mary Griswold
Kate O'Han	72757	-	2205	2205	2205				Kate O'Han
Bridget Gleeson	53527	-	2821	2821	2821				Bridget Gleeson
Bridget Conne	92057	-	1640	1640	1640				Bridget Conne
Ann Conne	10500	-	400	400	400				Ann Conne
Alice Connolly	11242	-	1937	1937	1937				Alice Connolly
Mary Lynch	12250	-	1800	500	1300				Mary Lynch
Bridget Flynn	131850	-	1480	1480	1480				Bridget Flynn
Ellen Shinn	148000	-	2440	2440	2440				Ellen Shinn
Mary Conne	152457	-	1908	1908	1908				Mary Conne
Kate Conne	162903	-	2822	2822	2822				Kate Conne
Mary Shulman	175259	-	2031	2031	2031				Mary Shulman
John O'Han	192670	-	2136	2136	2136				John O'Han
Mary Mahoney	202158	-	1726	1726	1726				Mary Mahoney
Julia Shay	21806	-	660	660	660				Julia Shay
Ellen Stack	222871	-	2296	2296	2296				Ellen Stack
Mary Shulman	223129	-	2503	2503	2503				Mary Shulman
Katharina Morris	242863	-	2280	2280	2280				Katharina Morris
Mary Shay	252571	-	2056	2056	2056				Mary Shay
Bridget Mullery	268380	-	2704	2704	2704				Bridget Mullery
Eliza Burke	273188	-	2550	2550	2550				Eliza Burke
Bridget Linton	28204	-	2563	2563	2563				Bridget Linton
Mary Sullivan	291754	-	1403	1403	1403				Mary Sullivan
Bridget Neffey	303793	-	5018	5018	5018				Bridget Neffey
John O'Brien	311924	-	1539	1539	1539				John O'Brien
Eliza Powers	321938	-	1566	1566	1566				Eliza Powers
John Marin	362651	-	2120	2120	2120				John Marin
Ellen Stack	372532	-	2025	2025	2025				Ellen Stack
Ann Kornogon	383634	-	2907	2907	2907				Ann Kornogon
Bridget Kennedy	408418	-	2734	2734	2734				Bridget Kennedy
Kate Sullivan	412880	-	2304	2304	2304				Kate Sullivan
Julia Sullivan	428951	-	3160	3160	3160				Julia Sullivan
Mary Duckford	433099	-	1679	1679	1679				Mary Duckford
Eliza Boggs	442763	-	2210	2210	2210				Eliza Boggs
Kate Brehmeham	452106	-	1684	1684	1684				Kate Brehmeham
Julia Dailey	462839	-	2811	2811	2811				Julia Dailey
Margt Mc Donogh	482803	-	2242	2242	2242				Margt Mc Donogh
Mary Hausey	493149	-	2512	2512	2512				Mary Hausey
John Shay	502632	-	2276	2276	2276				John Shay
Katharine Shulman	518380	-	2664	2664	2664				Katharine Shulman
Isabel Johnson	51421	-	336	336	336				Isabel Johnson
Margt Burns	531448	-	1158	1158	1158				Margt Burns
Kate Brady	59892	-	713	713	713				Kate Brady
					121972	2525	119139		

Figure 8: p. 263 of register