

Appendix A
Production (in Tons)

	1850	1851	1852	1853
Jan.	78.0	90.1	20.4	69.4
Feb.	70.5	77.9	60.4	102.9
Mar.	72.1	54.5	84.3	
Apr.	56.4	122.0	54.9	
May	96.4	75.3	57.6	
June	66.6	56.9	58.9	
July	69.8	85.6	117.5	NO
Aug.	70.2	22.3	112.6	DATA
Sept.	100.5	66.2	86.8	
Oct.	86.9	59.1	59.8	
Nov.	81.1	52.9	67.4	
Dec.	<u>86.8</u>	<u>31.8</u>	<u>91.4</u>	<u> </u>
	935.4	795.4	872.4	172.3

NOTE: Production data for 1850-1859 is taken from letter press copybooks 342-346. Data for 1860-1870 is from invoice books 342-353. The invoice books do not classify the kind of iron manufactured.

The copybook production figures do not agree exactly with the invoice books. The difference between the copybook and invoice book is never more than ten per cent and averages two per cent for the eleven years between 1860-1870. For the type of iron produced between 1860-1870 the ratios of kinds of iron made that were found in the copybooks were applied to the information given in the invoice books. The copybooks are not always legible and contain some duplications; therefore the best source for total

Appendix A Production (Continued)

	1854	1855	1856	1857
Jan.			49.4	51.4
Feb.			68.0	57.4
Mar.			107.6	105.0
Apr.	NO	70.9	80.3	99.9
May	DATA	76.5	78.8	92.1
June		59.7	60.5	85.6
July		54.9	46.4	83.6
Aug.		75.6	59.8	65.6
Sept.		79.6	50.4	82.1
Oct.		97.3	81.1	48.0
Nov.		78.0	48.6	40.5
Dec.		<u>74.3</u>	<u>115.9</u>	<u>40.6</u>
		668.7	819.9	852.5
		1855	1856	1857
BEST		578.8	791.2	813.6
CN 1		89.9	28.6	38.1

production are the invoice books where they are available. The copybooks are the only source for types of iron manufactured.

"BEST" is best charcoal flange plate.

"CN 1" is charcoal number one plate. It is not warranted to flange.

"EXTRA" is plate for fireboxes, warranted to flange and withstand flame.

Appendix A Production (Continued)

	1858	1859	1860	1861
Jan.	30.1	19.6	77.8	69.1
Feb.	35.4	73.6	52.5	55.5
Mar.	58.2	99.1	87.1	31.6
Apr.	79.4	0.0	95.5	56.8
May	99.3	63.8	18.5	71.7
June	45.3	95.3	94.7	98.7
July	33.2	79.7	80.7	54.4
Aug.	75.1	72.7	71.2	80.3
Sept.	24.6	65.4	85.7	57.0
Oct.	49.5	53.0	78.3	82.2
Nov.	119.1	57.6	82.8	70.5
Dec.	<u>80.8</u>	<u>90.7</u>	<u>96.3</u>	<u>70.3</u>
	730.6	771.3	921.7	798.8
	1858	1859	1860	1861
BEST	564.1	557.3	591.5	620.0
CN 1	166.4	207.4	322.7	164.9
EXTRA		6.3	6.9	13.5

Appendix A Production (Continued)

	1862	1863	1864	1865
Jan.	105.0	128.3	144.6	95.0
Feb.	108.7	127.3	140.8	84.4
Mar.	94.5	112.7	201.2	152.5
Apr.	86.5	151.9	168.0	136.9
May	116.1	138.5	173.3	101.3
June	160.9	100.4	131.3	123.6
July	146.3	95.5	122.7	72.3
Aug.	134.6	116.5	126.3	124.0
Sept.	111.5	143.8	118.2	104.9
Oct.	112.6	148.1	84.6	161.0
Nov.	129.7	162.3	143.8	172.2
Dec	<u>121.2</u>	<u>173.7</u>	<u>158.0</u>	<u>157.3</u>
	1428.1	1649.6	1713.4	1486.0
	1862	1863	1864	1865
BEST	1083.6	1168.6	1167.1	1131.3
CN 1	320.7	480.0	518.2	335.1
EXTRA	23.3	.8	27.3	20.5

Appendix A Production (Continued)

	1866	1867	1868	1869
Jan.	136.0	128.3	120.8	185.4
Feb.	106.5	96.7	60.0	128.1
Mar.	149.4	116.2	87.0	140.9
Apr.	74.0	141.1	79.8	131.1
May	78.7	139.3	89.5	98.8
June	51.0	137.1	112.7	98.6
July	117.6	0.0	145.9	74.2
Aug.	84.7	125.6	145.0	86.4
Sept.	97.1	76.0	120.7	90.3
Oct.	145.0	78.9	166.2	107.2
Nov.	131.4	121.7	85.3	76.9
Dec.	<u>104.9</u>	<u>87.5</u>	<u>153.2</u>	<u>110.4</u>
	1277.0	1248.9	1366.6	1328.9

	1866	1867	1868	1869
BEST	769.5	599.4	862.5	559.8
CN 1	496.3	636.7	483.4	741.2
EXTRA	13.9	13.3	19.9	27.4

Appendix A Production (Continued)

	<u>1870</u>
Jan.	93.7
Feb.	112.6
Mar.	68.0
Apr.	104.8
May	89.7
June	93.9
July	89.0
Aug.	140.9
Sept.	142.6
Oct.	130.0
Nov.	123.8
Dec.	<u>170.4</u>
	1359.7

	<u>1870</u>
BEST	522.7
CN 1	787.1
EXTRA	49.1

Appendix B

Prices of Best Iron
(in cents per pound)

	Phila.	N.Y.C.	Boston	Balto.	New Orleans
1850					
Jan	4 3/4				
Feb.					
Mar.					
Apr.					
May					
June				4 3/4	
July					4 1/2
Aug.					
Sept.					
Oct.					
Nov.					4 5/8
Dec.					

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Balto.	New Orleans
1851					
Jan.	4 3/4			4 3/4	4 5/8
Feb.					
Mar.					4 1/2
Apr.					
May		4 1/2			
June			4 5/8		
July					
Aug.					
Sept.					
Oct.					
Nov.		4 3/8			
Dec.					

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Balto.	New Orleans
1852					
Jan.	4 3/4	4 3/8	4 5/8	4 3/4	4 1/2
Feb.				5	4 1/8
Mar.					4 1/2
Apr.					4
May		4 1/4			
June	4 3/8				
July					
Aug.	4 3/4				
Sept.			5		
Oct.					4 1/2
Nov.					
Dec.					

NO DATA - ALL 1853, 1854

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Balto.	New Orleans
1855					
Jan.					
Feb.					
Mar.					
Apr.					
May	5				
June					
July					
Aug.					
Sept.					
Oct.					
Nov.					4 7/8
Dec.					

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Balto.	New Orleans
1856					
Jan.	5				4 7/8
Feb.					
Mar.					
Apr.					
May					
June	5 1/8				
July					
Aug.		5			
Sept.					4 3/8
Oct.					4 3/4
Nov.					
Dec.		5 1/2			5

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Direct*	New Orleans
1857					
Jan.	5 1/8	5 1/2			
Feb.					
Mar.					
Apr.		5 3/4			
May					
June					
July	5 1/2	5 1/2			
Aug.					
Sept.					
Oct.					
Nov.					
Dec.	4 1/4				

*Note: Baltimore sales terminated. Direct sales to manufacturers began.

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Direct	New Orleans
1858					
Jan.	4 1/8				
Feb.					
Mar.					4 1/2
Apr.		4 3/4			
May					
June					4 1/4
July	4 1/2				
Aug.					
Sept.					
Oct.					
Nov.					
Dec.					

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Direct	New Orleans
1859					
Jan.	4 1/2	4 3/4			4 1/4
Feb.					
Mar.					
Apr.					
May					
June					
July		4 1/2			
Aug.	4 3/8				
Sept.					
Oct.					
Nov.					4
Dec.	4 1/8				

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Direct	New Orleans
1860					
Jan.					
Feb.		4 3/8			
Mar.					
Apr.	4 1/2				
May					
June					
July	4 1/4				
Aug.					
Sept.					
Oct.					
Nov.					
Dec.	4 1/2				

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Direct	New Orleans
1861					
Jan.	4 1/2	4 3/8			3 7/8
Feb.	4 1/4	4 1/2			
Mar.				4 1/8	
Apr.					
May					
June					
July	4				
Aug.	3 7/8			4 1/2	
Sept.					
Oct.					
Nov.					
Dec.	4 1/4				

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Direct	New Orleans
1862					
Jan.	4	4 1/4			
Feb.				4 3/8	
Mar.	4 1/4				
Apr.	4 1/2	4 3/4			
May		5		4 7/8	
June					
July	5 1/8	5 3/8			
Aug.					
Sept.	5 1/4	6			
Oct.		7			
Nov.		8			
Dec.	6			6 7/8	

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Direct	New Orleans
1863					
Jan.	6	8		6 7/8	
Feb.					
Mar.			7 1/2		
Apr.	7 3/4				
May	8			7 5/8	
June					
July		8 1/2			
Aug.					
Sept.	7 1/2				
Oct.				7 5/8	
Nov.		9		8	
Dec.	7 3/8		8 1/8	8 1/2	

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Direct	New Orleans
1864					
Jan.	7 3/8	8 7/8	9 1/8		
Feb.				8	
Mar.		9 1/2			
Apr.					
May	9				
June					
July			10 1/4	9 1/2	
Aug.	9 1/2	10 1/2			
Sept.				8	
Oct.		9 3/4	9 3/4		
Nov.			10		
Dec.	9 1/4	9 1/2			

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Direct	New Orleans
1865					
Jan.	9 1/4	9 1/2	10	8	
Feb.					
Mar.					
Apr.	9		9 1/8	8 3/4	
May	8 1/4			8 1/2	
June	8	8 1/4		7 3/4	
July	7 1/2		8 3/8		
Aug.	7 1/4	8 1/8		7 1/2	
Sept.			8 1/8	8	
Oct.	7 1/2	8 1/2	8 1/2	8 1/4	
Nov.	8	9	9	8 1/2	
Dec.	8 1/2		9	8 3/4	

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Direct	New Orleans
1866					
Jan.	8 1/2	9	9 1/2	9	
Feb.				8 1/2	
Mar.		8 1/2			
Apr.		7 1/2			
May				7 1/2	
June	7	7 1/4			
July		7 1/2			
Aug.					
Sept.					
Oct.		7 3/4			
Nov.					
Dec.					

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Direct	New Orleans
1867					
Jan.	7	7 1/2			
Feb.					
Mar.					
Apr.					
May		7 1/8			
June					
July		7 1/2			
Aug.					
Sept.					
Oct.					
Nov.	6 1/2	6 3/4			
Dec.					

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Direct	New Orleans
1868					
Jan.	6 1/2		7 1/2		
Feb.					
Mar.					
Apr.	6 3/4	6 1/2			
May					
June	6 1/2				
July		6 1/2			
Aug.	6 3/4	7			
Sept.	6 3/8	6 1/2			
Oct.	6 3/4	6 3/4			
Nov.					
Dec.					

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C.	Boston	Direct	New Orleans
1869					
Jan.	6 3/4	6 3/4			
Feb.	6 1/2				
Mar.	6 3/4				
Apr.					
May					
June		6 1/2	6 3/4		
July	6 1/2				
Aug.					
Sept.					
Oct.					
Nov.	6 1/4				
Dec.	6 3/4	6 3/4			

Appendix B

Prices of Best Iron (Continued)

	Phila.	N.Y.C	Boston	Direct	New Orleans
1870					
Jan.	6 3/8	6 3/8			
Feb.	6 1/4				
Mar.		6 1/2	6 1/2		6 1/2
Apr.	6 1/2				6 3/4
May	6 1/4				
June					
July	6	6 1/4			
Aug.					
Sept.	6 1/4	6 3/4			
Oct.					
Nov.	6 5/8				
Dec.	6 1/2				

Appendix C

Wages Paid

1860	\$ 6,616.47
1861	7,244.86
1862	7,600.53
1863	12,925.37
1864	13,546.00
1865	18,627.57
1866	20,528.93
1867	18,627.57
1868	16,124.25
1869	20,284.53
1870	17,255.27

Appendix D

Total Bloom Costs

1860	\$ 51,972.67
1861	47,488.88
1862	40,628.66
1863	89,612.09
1864	99,281.84
1865	168,569.67
1866	144,373.76
1867	140,772.87
1868	87,282.68
1869	122,974.03
1870	100,427.17

Appendix E

Repair Costs

1860	\$2,075.73
1861	1,707.75
1862	3,385.82
1863	2,865.44
1864	860.30
1865	3,569.71
1866	1,830.52
1867	3,951.25
1868	2,610.00
1869	2,694.08
1870	2,007.21

Appendix F

Fuel Costs (Coal)

1860	\$ 3,468.42
1861	2,542.03
1862	3,718.28
1863	6,106.77
1864	6,510.35
1865	10,430.12
1866	14,984.56
1867	5,799.46
1868	6,060.89
1869	6,665.66
1870	5,987.78

Appendix G
Estimated Profits

Year	Costs	Production		Sales		Profits	
		Type	Tons	Price/Lb.	Receipts	Dollars	% of Sales
1860	Blooms		481.7	.04375 (cents)	\$42,148.75	-7,545	-
	Wages	\$51,973	308.4	.03250	20,033.00		
	Repairs	6,616	6.2	.035	692.00		
	Coal	2,076	796.4		62,874.75		
1861	Blooms	47,489	627.5	.04500	56,475.00	5,477.50	7.6
	Wages	7,245	220.9	.0325	14,358.50		
	Repairs	1,708	12.5	.06	756.00		
	Coal	2,542	850.9		71,589.50		
1862	Blooms	40,629	665.8	.045	59,475.00	16,030.75	20.0
	Wages	7,600	257.9	.03125	16,118.75		
	Repairs	3,386	12.5	.06	3,252.00		
	Coal	3,718	930.8		79,292.75		
1863	Blooms	89,612	1,161.6	.06375	148,104.00	55,927.00	30.0
	Wages	12,925	372.0	.05	37,200.00		
	Repairs	2,865	4.6	.08	736.00		
	Coal	6,107	1,538.2		186,040.00		

Note: Profits are sales receipts less all costs, less 10% of sales receipts for transportation costs and commission fees. All sales receipt figures are calculated by using N.Y. prices.

Production is adjusted to conform to the April 1 to March 31 bookkeeping year, i.e., the production figure for 1860 is the total produced between April 1, 1860 and March 31, 1861.

Appendix G
 Estimated Profits (Continued)

Year	Costs		Production		Sales			Profits	
	Blooms	Wages	Type	Tons	Price/Lb.	Receipts	Dollars	% of Sales	
1868	Repairs	2,610	Best	552.1	.07 (cents)	\$77,294.00	12,279.50	8.8	
	Coal	6,061	CH 1	603.9	.0475	57,370.50			
			Extra	19.5	.09	2,510.00			
				<u>1,175.5</u>		<u>138,174.50</u>			
1869	Blooms	122,974	Best	868.5	.0675	117,247.50	9,435.50	5.2	
	Wages	20,285	CH 1	670.7	.045	60,363.00			
	Repairs	2,604	Extra	7.4	.0875	2,450.00			
	Coal	6,866		<u>1,553.2</u>		<u>180,060.50</u>			
1870	Blooms	100,427	Best	590.6	.065	76,778.00	657.25	.4	
	Wages	17,255	CH 1	628.5	.04625	58,136.25			
	Repairs	2,007	Extra	32.1	.085	5,457.00			
	Coal	5,988		<u>1,251.2</u>		<u>140,371.25</u>			