

The Cleveland-Cliffs Iron Co.

Dept. M & M.

Disposition of Accounts.

Accounts and balances as to disposition of accounts. - With Mr. Mann.
the year's change to Treasurer's account.

the year's change to Treasurer's account.

Against residence. To close off to Treasurer.

Charging 25 cents per determination to all other mines at cost.

Position" to take care of all charges not directly in connection with operating the Moro Mine.

Uncollected wages. - To close this account once each year to operating the mine from which the wages accrue, leaving only about four months' checks in the uncollected account.

Balance of Machinery. - To credit to Equipment account to which the machinery belongs. (This would apply to cases like the Liden Point now at the Michigan.)

Insurance on Buildings. - At the H.C. mine this is to be charged to the "Location Acct." and not against Moro mine. Other mines to remain as at present.

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Wepster Mine. - To close off all open accounts in Oct. instead of Nov.

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A C Mann
W W Duncan } 1/1

The Cleveland-Cliffs Iron Co.

Ishpeming, Mich, Nov. 7-10th 1900

Depreciation of various items at the different mines.

✓ Webster Mine.-The Hoisting plant, Boiler and steam pumps to be charged to opening mine and closed off in October 1900. 9,708.05

✓ Steam Shovel.-The Iron Cliffs shovel to charge off 1/5 same as last year. The C. I. M. shovel to charge off 1/5 of net cost. To charge to mines of each company on basis of the ore loaded during the year. 8000 = (2)

✓ New Office Building.-To charge off balance this year. Charged off \$5,000. last year. 626.53

✓ Electric Power Machinery.-Charge 1/5 of motor #3 bought in Jan'y 1898. will be closed off in 1902. Motor #4 bought in Aug. 1899, commenced to charge off in 1900 at 1/5 each year, will be charged off Nov. 30th, 1904. Motor #5 purchased from Westinghouse Co. was received in Oct. 1900, will not charge off any this year. Inv #5

50%
in this + next year
✓ Boarding House.-To put rent received, #30.00 per month, against cost of the building. Not to charge off any this year. 3600 =

✓ Re-Opening Moro, and Installing #5 Pumping engine-To be closed off during 1900, per telegram of Jan'y 27th, 1900. 3400 =

✓ Lake-Additions to Boiler Plant and Re-Piping boilers.-This should be closed off during the present year. 4000 =

✓ Lake-Track System.-For purchase from D.S.S. & A. and C. & N.W. of one-third of the tracks to this mine. This we are closing off in 5 years from 1897 to Nov.30th, 1901. 900 =

✓ Right of way Lake Tracks.-For expense in looking up a new line of tracks to Lake by reason of present line crossing the L.S.I.Co. lands and being in danger by their operations. Acct to remain open. 72 =

✓ Cliffs Shaft.-Old crusher plant and reopening mine will be closed off this year. 1,600 =

✓ Foster New Construction.- This is the machinery plant still at the mine and will remain an open account. 1000 =

✓ Lake Angeline Drainage.-The New Outlet and Emergency Pumping Plant No. 2 will be closed off this year. The item of "Permanent Pumping Plant East end" is the expense in connection with the proposed plant to be established. 500 =

✓ Michigamme Mine.-To close the cost of reopening this mine on the basis of 35 cents per ton on the monthly output. On this basis it would take about 4 years, on an estimated output of 5,000 tons per month. \$7,000 =

✓ Diamond Drills.-For the 3 new drills purchased during the year to let the rental apply on the cost of the drills and not depreciate any amount for the present.(Are carried as H. O. equipment.)

Steam furnished for pumping Lake Angeline - fixed price for coal - how are we coming out

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any amount for the present. Are carried on H. O. equipment.
Diamond Drills.-For the 3 new drills purchased during the year to let
the rental apply on the cost of the drills and not depreciate
per month.

Monticome Mine.-To close the cost of reopening this mine on the basis
of 32 cents per ton on the monthly output. Of this basis it
would take about 4 years, on an estimated output of 2,000 tons
per month.

Plant to be established.
Plant East and is the expense in connection with the proposed
will be closed off this year. The item of "Permanent Pumping
Lake Angelina Drainage.-The New Outlet and Emergency Pumping Plant No. 2
and will remain an open account.

Rooster New Construction.- This is the machinery plant still at the mine
this year.

Cliffs Shaft.-Old crusher plant and reopening mine will be closed off
and being in danger by their operations. Vest to remain open.
to take by reason of present line crossing the I. S. I. Co. lands
Hight of Mt. Lake Trucks.-For expense in looking up a new line of trucks
2 years from 1893 to Nov. 30th, 1901.

Lake-Truck System.-For purchase from D. S. S. & A. and C. & N. V. of one-
third of the trucks to this mine. This we are closing off in
closed off during the present year.

Lake-Additions to boiler plant and Re-piping boilers.-This should be
1900, per telegram of Jan 24th, 1900.
Re-Opening Mine, and installing the pumping engine-to be closed off during
the building. Not to charge off any this year.

Boarding House.-To put rent received, \$20.00 per month, against cost of
was received in Oct. 1900, will not charge off any this year.
Oct. Nov. 30th, 1900. Motor purchased from Westinghouse Co.
noted to charge off in 1900 at 1/5 each year, will be charged
will be closed off in 1903. Motor at present in use. 1900, com-

Electric Power Machinery.-Charge 1/5 of motor #3 bought in Jan 1898.
1901 year.
New Office Building.-To charge off balance this year. Charged off \$5,000.

during the year.
Charge to mines of each company on basis of the ore loaded
last. The C. I. M. shovel to charge off 1/5 of net cost. To
steam shovel.-The Iron Cliffs shovel to charge off 1/5 same as last

opening mine and closed off in October 1900.
The Hofsating plant, Boiler and steam drums to be charged
depreciation of various items at the different mines.

The Cleveland-Cliffs Iron Co

Sept. 1st M.
*Depreciation of various items
at the different mines*

The Cleveland-Cliffs Iron Co.
Lighthouse, Nigh, Nov. 7-10th 1900

IRON CLIFFS CO.

Comparative Statement of General Expense Accounts for Five Years

Ending November 30th, 1900.

General and Mine Office	1900	1899	1898	1897	1896
Superintendent	4655.53	4609.53	3926.03	3339.71	1206.16
Clerks	5997.06	5419.56	5027.67	3821.99	3844.46
Master Mechanic	1905.93	1293.74	654.75	645.41	645.79
Watchman	456.45	472.15	154.41		8.75
Choreman	171.60	157.92	117.79	109.31	81.25
Stationery & Printing	378.76	325.20	350.40	242.07	219.72
Telephones & Telegraphing	318.02	364.40	307.60	255.67	267.42
Traveling	39.69	243.86	166.29	19.25	
Fuel and Light	407.11	254.32	197.58	242.93	188.39
Water & Ice	72.81	46.25	49.72	29.80	69.06
Livery & Stable Expense	554.34	503.21	494.96	32.50	41.00
Postage and Box Rent	139.60	81.80	84.57	62.80	73.25
Papers & Periodicals	13.15	14.00	12.25	14.75	12.00
Freight & Express	19.15	20.71	15.67	10.08	12.75
Donations	892.36	97.03	576.67	149.66	141.55
Petty Office Expense	73.76	87.45	48.19	29.29	14.87
Exchange	307.00	261.00	222.00	128.00	108.00
Revenue Tax	204.37	152.99	141.52		
Rent		185.00	330.00	330.00	330.00
Office Fixtures & Furniture	93.50	141.59	118.90	5.12	12.50
Legal	332.17	437.97	300.00	277.43	594.95
Advertising	15.00	15.00	27.50	26.25	39.00
Miscellaneous	161.55	23.80			
Uncollectable Debts				5.00	
Janitor	96.54				
Total	17305.45	15208.48	13324.47	9777.02	7910.87
 <u>General Expense Accounts.</u>					
Fire Insurance	657.44	587.11	550.89	672.51	538.58
Boiler Insurance	83.97	68.42	64.52	64.52	64.52
Taxes	13212.95	13298.90	13485.78	14835.52	16867.72
Engineering	2110.95	1387.04	2104.60	1081.70	1317.20
Analysis	2100.12	2004.72	3557.90	2164.38	2303.07
Relief Fund	2174.10	2102.10	2022.60	1241.10	874.80
Total	20339.53	19448.29	21786.29	20059.73	21965.89
<u>GRAND TOTAL.</u>	37644.98	34656.77	35110.76	29836.75	29876.76

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C L E V E L A N D I R O N M I N I N G C O .

Comparative Statement of General Expense Accounts for Five Years

Ending November 30th, 1900.

General and Mine Office	1900	1899	1898	1897	1896
Superintendent	4464.48	4423.26	3707.53	3174.71	1262.43
Clerks	8829.87	5181.01	4406.37	4151.35	4127.48
Master Mechanic	2276.09	1280.10	654.75	645.41	645.79
Watchman	1598.60	1041.80	706.06	681.48	723.74
Choreman	171.60	157.93	118.43	109.62	81.25
Stationery & Printing	541.38	384.62	352.13	319.42	317.81
Telephones & Telegraphing	423.55	354.95	220.53	175.66	241.77
Travelling	273.76	237.23	96.49	19.25	24.70
Fuel & Light	546.03	261.23	197.66	243.11	278.81
Water and Ice	35.50	20.25	20.83	23.00	59.69
Livery & Stable Expense	863.12	583.38	543.00	34.00	41.00
Postage & Box Rent	139.60	81.80	84.56	62.80	73.25
Papers & Periodicals	13.15	14.00	12.25	14.75	12.00
Freight & Express	24.14	19.95	15.18	11.25	13.26
Donations	950.33	97.03	578.79	156.93	144.68
Petty Office Expense	77.74	90.10	54.15	22.14	20.54
Exchange	592.00	308.00	253.00	188.00	182.00
Revenue Tax	256.87	239.89	124.74		
Miscellaneous	302.69	4.04			
Office Furniture & Fixtures	125.21	144.03	30.05	4.88	20.52
Legal	636.66	567.98	788.45	393.19	434.96
Advertising	15.00	15.00	27.50	26.25	27.00
Uncollectable Debts				31.69	
Janitor	90.67				
Total	23248.04	15507.58	12992.45	10488.89	8732.68
<u>General Expense Accounts.</u>					
Fire Insurance	958.64	666.14	678.28	801.22	719.04
Boiler Insurance	176.43	60.50	86.49	102.16	102.16
Taxes	21850.91	19186.69	18327.15	20025.51	25164.00
Engineering	3033.62	1562.10	1639.74	1291.78	1347.89
Analysis	5002.17	3943.26	4311.10	3852.47	3258.59
Relief Fund	4175.20	2485.08	2044.91	1742.70	1598.10
Total	35196.97	27903.77	27087.67	27815.84	32189.78
GRAND TOTAL.	58445.01	43411.35	40080.12	38304.73	40922.46
Volunteer Gen'l Expense	1422.30	1422.30			
Imperial Gen'l Expense	1184.57	1184.57			
GRAND TOTAL.		46018.22			

C L E V E L A N D I R O N M I N I N G C O .

Detail Statement of Charges to General Expense Accounts, Reopening and Operating Volunteer and Imperial Mines, not Included in Consolidated Statement Year Ending November 30th, 1899.

General & Mine Office	Volunteer		Imperial.		Total
	Reopening	Operating	Reopening	Operating	Both Mines
Superintendent					
Clerks	223.97 35.22	501.67	18.70	216.20	995.76
Master Mechanic					
Watchman		22.20	31.12	211.60	264.92
Choreman					
Stationery & Printing	6.25	25.84		15.53	47.62
Telephones & Telegra- phing	1.00	15.00	.25	17.50	33.75
Traveling			88.07	26.88	114.95
Fuel & Light		8.70			8.70
Water & Ice					
Livery & Stable Exp.	5.00	2.00	1.25	67.64	75.89
Postage & Box Rent					
Papers & Periodicals					
Freight & Express					
Donations					
Petty Office Expense		2.95		1.35	4.30
Exchange		23.00		7.00	30.00
Revenue Tax					
Miscellaneous					
Office Furniture & Fixtures					
Legal					
Advertising					
Uncollectable Debts					
Janitor					
Captains	157.05 125.00		1.90 152.40		436.35
Total	553.49	601.36	293.69	563.70	2012.24
General Expense Accts.					
Fire Insurance				37.65	37.65
Boiler Insurance	8.34	20.85		5.60	34.79
Taxes				290.89	290.89
Engineering	11.73	97.03	42.65	29.30	180.71
Analysis		462.46		167.13	629.59
Relief Fund		240.60		90.30	330.90
Total	20.07	820.94	42.65	620.87	1504.53
GRAND TOTAL	573.56	1422.30	336.34	1184.57	3516.77

GRAND TOTAL	542.98	1488.30	329.24	1194.94	3216.44
Total	50.04	850.34	48.62	650.64	1804.64
Relief Fund		340.30		30.30	330.60
Analyses		433.46		167.12	600.58
Engineering	11.42	37.02	48.62	38.30	180.41
Taxes				330.38	330.38
Boiler Insurance	8.34	50.82		2.60	24.76
Mine Insurance				27.62	27.62

General Expense Accts.					
Total	222.48	601.36	332.63	202.40	5018.34
Certificates	182.00			128.40	420.40
Janitor	127.02			1.30	
Uncollectible Debts					
Advertising					
Travel					
Fixtures					
Office Furniture &					
Miscellaneous					
Revenue Tax					
Expenses		23.00		4.00	30.00
Patent Office Expense		2.32		1.32	4.30
Donations					
Expenses & Express					
Teachers Periodicals					
Postage & Box Rent					
Travel & Sample Exp.	2.00	2.00	1.32	67.64	72.96
Water & Light		8.40			8.40
Traveling	1.00	12.00	88.04	26.88	114.92
Telephones & Telegrams			.32	14.20	22.42
Stationery & Printing	2.32	22.84		12.22	47.38
Choreman					
Wagoner		22.20	21.12	211.60	294.92
Master Mechanic	22.32				
Clerks	282.34	201.64	18.40	216.30	395.68
Superintendent					

Dept Expenses
Dept Mr Mc
1900

Reopening Operating Reopening Operating Both Mines
 Volunteer Imperial Total

Statement Year Ending November 30th, 1899.
 and Operating Volunteer and Imperial Mines, not Included in Consolidated

Detail Statement of Charges to General Expense Accounts, Reopening

CLEVELAND IRON MINING CO.

CLEVELAND IRON MINING COMPANY and IRON CLIFFS CO.

STATEMENT OF SALARIES AND PARQUISITES YEAR ENDING NOVEMBER 30, 1900.

<u>Agent.</u>	<u>C.I.M.Co.</u>	<u>I.C.Co.</u>	<u>Total.</u>
Salary	4000 00	4000 00	8000 00
Rent	180 00	180 00	360 00
Choreman	284 45	284 45	568 90
Water	4 00	4 00	8 00
Telephone	7 50	7 50	15 00
Horse George-365 dys at 30c	54 75	54 75	109 50
Driving Team-365 " " 60c	109 50	109 50	219 00
Cow and pony feed 365 dys at 30c	54 75	54 75	109 50
Proportion of barn boss time	180 00	180 00	360 00
Total	4874 95	4874 95	9749 90
Hard Ore Mining Capt. D. Campbell			
Salary	1500 00		
Telephone	15 00		
Total	1515 00		1515 00
Lake Mining Capt. A. Collick			
Salary	2500 00		
Telephone	15 00		
Horse	109 50		
Total	2624 50		2624 50
Michigamme Min. Capt. J. Roskilly			
Salary 9 months	1125 00		
Telephone 3 "	3 75		
Total	1128 75		1128 75
Imp. & Webster Mining Capts. (Peters and Matthews)			
Salary (Peters 750.00-7-1/2mo. (Matthews 600.00-4-1/2mo.)	1350 00		
Telephone 9 mos.	11 25		
Horse 12 mos.	107 50		
	56		1468 75

CLEVELAND IRON MINING COMPANY and IRON CLIFFS CO.

STATEMENT OF SALARIES AND PARQUISITES YEAR ENDING NOVEMBER 30, 1900.

<u>Agent.</u>	<u>C.I.M.Co.</u>		<u>I.C.Co.</u>		<u>Total.</u>	
Salary	4000	00	4000	00	8000	00
Rent	180	00	180	00	360	00
Choreman	284	45	284	45	568	90
Water	4	00	4	00	8	00
Telephone	7	50	7	50	15	00
Horse George-365 dys at 30c	54	75	54	75	109	50
Driving Team-365 " " 60c	109	50	109	50	219	00
Cow and pony feed 365 dys at 30c	54	75	54	75	109	50
Proportion of barn boss time	180	00	180	00	360	00
Total	4874	95	4874	95	9749	90
Hard Ore Mining Capt. D. Campbell						
Salary	1500	00				
Telephone	15	00				
Total	1515	00			1515	00
Lake Mining Capt. A. Collick						
Salary	2500	00				
Telephone	15	00				
Horse	109	50				
Total	2624	50			2624	50
Michigamme Min. Capt. J. Roskilly						
Salary 9 months	1125	00				
Telephone 3 "	3	75				
Total	1128	75			1128	75
Imp. & Webster Mining Capts.						
(Peters and Matthews)						
Salary (Peters 750.00-7-1/2mo. (Matthews 600.00-4-1/2mo.)	1350	00				
Telephone 9 mos.	11	25				
Horse 12 mos.	107	50				
					1468	75

PERQUISITE REPORT (Cont.)

	C.I.M.Co.		I.C.Co.		Total.	
Cliffs Shaft Mining Capt.-J.H.Rough			2500	00		
Telephone			15	00		
Total			2515	00	2515	00
Salis. Mining Capt. J. Stephens.						
Salary			1800	00		
Telephone			15	00		
Total			1815	00	1815	00
Tilden Mining Capt. J.H.Skews						
Salary 6-2/3 mos.			504	52		
Total			504	52	504	52
Volunteer Min. Capt. J. Matthews						
Salary 7-1/2 mos.	1125	00				
Rent 8 mos.	64	00				
Total	1189	00			1189	00
Master Mechanic-W. E. McKee.						
Salary	1425	00	1425	00	2850	00
Telephone	7	50	7	50	15	00
Horse and Carriage	43	87	43	88	87	75
Total	1476	37	1476	38	2952	75
Thos. Buzzo-Pioneer Iron Co.						
Consulting Mining Capt.						
Salary					1344	00
Telephone					15	00
Horse					120	00
Total					1479	00

The Cleveland-Cliffs Iron C

Dept M & W.

Salaries Perquisites

April 1900

Chief Mining Capt. J. H. Bough

C. I. M. Co.

I. O. Co.

Total.

Total			1475 00
Horse			120 00
Telephone			12 00
Salary			1244 00

Consulting Mining Capt.

Thos. Burns-Pioneer Iron Co.

Total			3223 12
Horse and carriage		42 24	24 12
Telephone		4 20	12 00
Salary		1482 00	2820 00

Master Mechanic - W. B. McKee.

Total			1193 00
Rent		8 mos.	24 00
Salary		7-1/3 mos.	1132 00

Volunteer Min. Capt. J. Matthews

Total			204 23
Salary		6-2/3 mos.	204 23

Chief Mining Capt. J. H. Skews

Total			1212 00
Telephone			12 00
Salary			1200 00

Chief Mining Capt. J. Stephens.

Total			2212 00
Telephone			12 00
Salary			2200 00

PERQUISITE REPORT (cont.)

CLEVELAND IRON MINING CO. and IRON CLIFFS CO.

	Rate per Day		Product Pr Man Pr Day		Cost Pr Ton		Total Product		
	1900	1899	1900	1899	1900	1899	1900	1899	
Total by Mines.									
Hard Ore	12 Mo.	1.99	1.78	1.83	1.00	1.088	1.877	74459	8992
Lake	12 "	2.26	2.09	3.13	3.16	.721	.661	497204	465452
Volunteer	7 "	2.17	2.05	2.30	1.93	.944	1.064	87370	32243
Imperial	12 "	2.09	1.91	2.60	4.48	.802	.426	67490	25575
Michigamme	8 "	1.99	1.76	.69		2.897		19842	
Webster	8 "	1.97		2.75		.717		20797	
General	12 "	4.24	4.18						
<u>Total C.I.M. Co.</u>		2.18	2.08	2.53	2.75	.870	.574	767162	532262
Cliffs Shaft	12 Mo.	2.07	1.908	2.77	2.74	.751	.698	264330	252161
Salisbury	12 "	2.25	2.07	2.85	2.54	.788	.816	160635	136519
Tilden	5 "	1.96	1.78	4.85	6.27	.405	.284	15325	27345
Tilden Explorations		2.23							
General	12 Mo.	4.61	4.64						
<u>Total I.Cliffs Co.</u>		2.18	2.01	2.79	2.72	.780	.739	440290	416025
Total Outside Parties		2.04	1.90						
<u>Total C.I.M.Co.&I.C.Co.</u>		2.18	2.05	2.59	2.72	.841	.751	1207452	948287

The Cleveland-Cliffs Iron Co.

Dept. No. 10

Sundry Labor & Cost Materials

1900.

Total P. Mines.

Dept.	1900	1901	1902	1903	1904	1905	1906	1907
General	15 "	4.34	4.78					
Dep't	8 "	1.31	1.48					
Richmond	8 "	1.33	1.48					
Underfoot	18 "	3.03	1.31					
Underfoot	18 "	3.11	3.02					
Underfoot	18 "	3.38	3.03					
Underfoot	18 "	1.33	1.48					
Underfoot	18 No.							
Total C.I. Co.	3.78	3.02	3.22	3.42	.840	.244	48178	223383
General	18 No.	4.91	4.94					
Widgen Exploration	2 "	1.38	1.48					
Widgen	18 "	3.32	3.04					
Widgen	18 "	3.04	1.308					
Cliffs shaft	18 No.							
Total I. Cliffs Co.	3.78	3.01	3.42	3.42	.480	.428	440330	418032
Total C.I. Co.	3.78	3.02	3.22	3.42	.841	.421	1804123	345381
Total Outside Per-	5.04	1.30						
files								

Rate Per Dwt Product Pt. Ton Total Product

CLEVELAND IRON MINING CO. and IRON CLIFFS CO.

THE CLEVELAND-CLIFFS IRON CO.

STATEMENT OF DELAYS FROM VARIOUS CAUSES YEAR ENDING NOVEMBER 30th, 1900.

Aggregate tonnage and Financial Loss to Mines Due to Delays

(Excluding Holidays).

MINES.	# Cost per Ton.				
	Tons Lost	Actual	Possible	Loss	Amount
Hard Ore	13300	.974	.969	.005	2552.52
Lake	2933	1.283	1.273	.010	903.03
Volunteer	400	1.116	1.115	.001	67.89
Imperial	635	1.372	1.342	.030	342.96
Webster	2661	1.134	1.132	.002	533.98
Michigamme	410	1.035	1.034	.001	161.05
Cliffs Shaft	1600	.565	.550	.015	253.88
Salisbury					
Tilden					
Total	21939	1.135	1.129	.006	4815.31

Cost per ton on stock pile.

Aggregate Tonnage Lost by various causes,
(Excluding Holidays).

CAUSE.	Tons Lost	Per Cent	Approx. Finan. Loss
Fatal Accidents	12944	59	2841.03
Accidents to Machinery	6140	28	1348.29
Other Causes	2855	13	625.99
Total	21939	100	4815.31

Statement Showing Estimated Financial Loss Due to Delays
to men and to Machinery and Plant for the Year ending
November 30th, 1900.

	1900	1899
Total Loss as per Statement	4815.31	13968.47
Cash paid by Company account fatal accidents	1187.50	751.50
Cash paid by Company acct. minor accidents	2555.99	1517.78
Cost of Repairing damage to Machinery & Plant	1173.08	3569.80
Cost to Company	9731.88	19807.55
Cash paid by employees acct. Fatal Accidents	1312.50	751.50
Cash paid by Employees Acct. Minor Accidents	2923.32	1674.79
Cost to Company & Employees	13967.70	22233.84
Lost Profit on Lost Product		
Total Loss		

1187.50
 1312.50
 2555.99
 1173.08
 2923.32
 5479.31

CLEVELAND IRON MINING CO. and IRON CLIFFS CO.

Classification of Causes of Accidents for Year Ending Nov. 30, 1900.

<u>SUMMARY.</u>	<u>C. I. M. Co.</u>			<u>I. C. Co.</u>		
	Minor	Fatal	Total	Minor	Fatal	Total
Falls of Ground	22	2	24	7	1	8
In Shafts	2		2			
Miscellaneous	91	1	92	54	1	55
Total Underground	115	3	118	61	2	63
Total Surface	15	0	15	8		8
GRAND TOTAL.	130	3	133	69	2	71
<u>CLASSIFICATION.</u>						
Underground.						
<u>Falls of Ground.</u>						
Falls of Roof	15	2	17	6		6
Falls of Side	7		7	1	1	2
<u>In Shafts.</u>						
Overwinding						
Ropes Breaking						
Going up or down by machinery	1		1			
Falling into shaft from surface	1		1			
Things falling from surface						
Falling from part way down						
Things falling from part way down						
Miscellaneous in shaft						
<u>MISCELLANEOUS.</u>						
Explosives	6	1	7	2		2
Irruptions of water & mud						
By tram cars and road	35		35	11		11
By Electricity						
By machinery underground	6		6	5		5
By loading ore	19		19	24		24
Barring down rock	1		1	3	1	4
Falling down raise	3		3	1		1
Falling down ladder or staging	4		4			
Handling timber or rails	9		9	2		2
Miscellaneous	8		8	6		6
<u>ON SURFACE.</u>						
By machinery	3		3	1		1
On tramways or railways	3		3	2		2
By loading ore	2		2	1		1
Falling from ladders, etc.						
Handling timber or rails	3		3	1		1
Miscellaneous	4		4	3		3
GRAND TOTAL.	130	3	133	69	2	71
Total 1899	81		81	70	3	73

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CLEVELAND IRON MINING CO.

and

IRON CLIFFS CO.

SUPPLEMENTARY ACCIDENT REPORT NOVEMBER 30, 1900.

LOSS TO COMPANIES ON ACCOUNT OF ACCIDENTS TO EMPLOYEES. 1900.

	Hard Ore.	Lake	Vol.	Imp. and Web.	Mich.	Cliffs Shaft	Salis	Tild.	Total
Fatal Accidents									
No. Fatal Accidents		2	1			2			5
No. men employed	139	535	220	131	142	321	186	26	1700
Time lost by men(da)		3007	495			980			4482
Avr.ppod. per day	249	1697	511	465	194	887	535	194	4732
Days Idle		6 $\frac{2}{3}$	3			3			12 $\frac{2}{3}$
Tons prod.,lost		87503	1533			2661			12944
Exp. for labor and supplies while mines were idle on account of accidents		1198.79	170.70			351.27			1715.76
Amt. Benefit Fund cred. to estate		1000.00	500.00			1000.00			2500.00
Total Expense		2193.79	670.70			1351.27			
Minor Accidents									
No. minor accidents	17	62	22	18	11	55	14	0	199
Tons prod. lost	24	109	33	28	5	94	19	0	312

Note:- Includes insurance, taxes, mine office, general office, Mining Captain, Pumping, and stable expense.

Note:- One half the amount credited to the estate is contributed by employes.

COMPARATIVE STATEMENT ACCIDENTS.

	No. of Fatal Accidents per 1000 men.					
	1900	1899	1898	1897	1891	1895
Cleve. Iron Min. Co. & Iron Cliffs Co.	2.94	2.39	5.4	9.31	13	2.92
Mines in Marquette Co.(Rep. of Mine Inspector	3.62	4.59	4.6	4	5.37	3.35
Coal Mines of North America			2.51	2.31	2.78	2.63

THE CLEVELAND-CLIFFS IRON CO.

Recapitulation from Accidents Reports for the Year Ending Nov. 30th, 1900 Showing Number of Men Employed, No. of Accidents and Accidents per 1000 men.

<u>UNDERGROUND.</u>	Hard Ore	Lake	Vol.	Imp. & Web.	Mich.	Cl.S.	Salis	Tilden	Total
Men Employed	81 ✓	445 ✓	156 ✓	97 ✓	90 ✓	242 ✓	143 ✓		1254
Minor Accidents	15	57	20	16	7	51	10		176
Do. Per 1000 men	185	128	128	165	77	211	70		140
Do. for 1899	83	143	75	136		187	117		144
Fatal Accidents		2	1			2			5
Do. per 1000 Men		4.5	6.4			8.3			4
Do. for 1900						13			3.4
<u>SURFACE.</u>									
Men Employed	58	90	64	34	52	79	43	26	446
Minor Accidents	2	5	2	2	4	4	4		23
Do. per 1000 Men	34	55	31	60	77	51	93		52
Do. for 1899	109	54		50		57	100	136	65
Fatal Accidents									
Do. Per 1000 Men									
<u>UNDERGROUND & SURFACE.</u>									
Total Men	139	535	220	131	142	321	186	26	1700
Minor Accidents	17	62	22	18	11	55	14		199
Do. Per 1000 Men	122	116	100	137	77	171	75		117
Do. for 1899	104	130	53	96		151	112	136	121
Fatal Accidents		2	1			2			5
Do. Per 1000 Men		3.7	4.6			6.2			2.94
Do. for 1899						10			2.39

The Cleveland-Cliffs Iron Co.

Dept M & M.

*Accident Report
for Year 1900*

Amount Paid from Benefit and Expense Funds, for the Year 1899 & 1900.

THE CLEVELAND-CLIFFS IRON CO.

NAME	DATE	AMOUNT	DATE	AMOUNT	DATE	AMOUNT
TOTAL		11232.32				
Tilghen	1899	136.92				
Seifert	1899	1180.00				
Cliff's Shaft		863.32				
Michigan		232.32				
Imperial & Webster		231.36				
Volunteer		492.43				
Henshaw		222.21				
More		4030.24				
1899		2422.80				
1900		1300.00				
TOTAL		12532.92				
Tilghen	1899	120.00	1899	116.48	1899	32.52
Seifert	1899	230.72	1899	432.04	1900	25.28
Cliff's Shaft	1899	261.78	1899	216.92	1899	132.43
Michigan	1899	122.08	1899		1899	132.08
Imperial & Webster	1899	231.24	1899	21.42	1899	232.02
Volunteer	1899	201.22	1899	28.30	1899	202.92
Henshaw	1899	202.24	1899	142.24	1899	182.30
More	1899	202.24	1899	11.44	1899	231.80
1900		1300.00				
TOTAL		12532.92				

AMOUNT PAID TO SUPPLIER FUND NOVEMBER 30th 1900.

THE CLEVELAND-CLIFFS IRON CO.

Amounts Paid from Benefit and Suspense Funds, for the Years 1899 & 1900.

	1900		1899		Increase.	
	Days Lost	Amount	Days Lost	Amount	Days Lost	Amount
<u>MINES.</u>						
Hard Ore	395	302.68	89	71.46	306	231.22
Lake	2573	3065.84	1910	1479.94	663	1585.90
Volunteer	398	864.63	77	58.80	321	805.83
Imperial & Webster	410	297.54	33	24.49	377	273.05
Michigamme	172	136.08			172	136.08
Cliffs Shaft	1818	2641.78	1121	2516.36	697	125.42
Salisbury	642	520.76	537	428.04	105	92.72
Tilden	180	150.00	155	116.48	25	33.52
Total	6588	7979.31	3922	4695.57	2666	3283.74

CREDITS TO SUSPENSE FUND NOVEMBER 30th, 1900.

<u>MINES.</u>	Amount
Hard Ore	3422.80
Lake	4038.54
Hematite	885.97
Volunteer	463.42
Imperial & Webster	521.26
Michigamme	363.92
Cliffs Shaft	982.92
Salisbury	1180.00
Tilden	136.53
Total	11995.36

THE CLEVELAND-CLIFFS IRON CO.

Records of Delays from Various Causes Year Ending November 30th, 1900.

Analysis of Holidays During Year.

Mines	Hard Ore	Lake	Volun teer	Imp.	Webster	Mich-gamme	Cliffs Shaft	Salis	Tilden
	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Xmas Eve		8						8	
Xmas Day	20	24	20	10			20	24	
Xmas-2nd Day	20	24	20	10			20	24	
New Year's EVE								8	
New Year's Day	20	24	20	10			20	24	
Elec. Day(Spring)	20	24	20	20			20	24	
Good Friday	20	24	20	20			20	24	
Memorial Day	20	24	20	20			20	24	20
Maccabee Day				20					
Sat. before									
Mid Summer Day			10						
Mid Summer Day	20	24	20				20	24	20
Independence Day	20	24		20	20		20	24	20
" 2nd Day	20	24			20		20	24	20
Semi-Centennial	20	24					20	24	20
Circus Day	20	24					20	16	20
Labor Day	20	24		20	20	20	20	24	
Elec. Day(Fall)	20	24				20	20	24	
Elec. 2nd Day						20			
Thanksgiving Day	20	24				20	20	24	
Total Hours	280	344	150	150	60	80	280	344	120
Total Number Days	14	14 $\frac{1}{3}$	7 $\frac{1}{2}$	9	3	4	14	14 $\frac{1}{3}$	6
% Total Time Lost	78.7	49.9	46.9	72.1	50	65.6	66.8	83.3	46.1

Figures are for the time mines were producing ore.

SUMMARY.

Tons Product Lost by Various Causes.

	Salis	Hard Ore	Lake	Volun teer	Imper ial	Web ster	Mich gamme	Cliffs Shaft	Tilden	Total
Holidays	7490	3486	23700	3832	2000	350	776	12418	1160	55212
Fatal Accidents			8750	1533				2661		12944
Accdts to Machy.	410		3950	1400	180				200	6140
Other Causes			600		220	635			1400	2855
Total Tons	7900	3486	37000	6765	2400	985	776	15079	2760	77151

THE CLEVELAND-CLIFFS IRON CO.

Record of Delays from Various Causes Year Ending November 30th, 1900.

Division of Time.

Time worked & Lost.	Hard Ore	Lake	Volunteer	Imperial	Webster	Michigamme	Cliffs Shaft	Salis	Tilden
Sundays	52	52	30	46	15	17	52	52	14
Holidays	14	14 $\frac{1}{3}$	7 $\frac{1}{2}$	9	3	4	14	14- $\frac{1}{3}$	6
Fatal Accid.	0	6 $\frac{2}{3}$	3	0	0	0	3	0	0
Other causes	3 $\frac{3}{4}$	8	5 $\frac{1}{2}$	3	3	2	4	3	7
Full days worked	295 $\frac{1}{4}$	284	166	264	87	99	292	295 $\frac{2}{3}$	69
No. ds for yr.	365	365	212	322	108	122	365	365	96
SUMMARY									
Sundays	52	52	30	46	15	17	52	52	14
Total Time Lost (Days)	17 $\frac{3}{4}$	29	16	12	6	6	21	17 $\frac{1}{3}$	13
Full Time Worked	295 $\frac{1}{4}$	284	166	264	87	99	292	295 $\frac{2}{3}$	69
Total Days	365	365	212	322	108	122	365	365	96

Volunteer Mine in operation from 12-1-1899 to 6-30-1900

Imperial Mine in operation from 12-1-1899 to 10-18-1900

Webster Mine in operation from 7-3-1900 to 10-18-1900

Michigamme Mine in operation from 8-1-1900 to

Tilden Mine in operation from 4-28-1900 to 8-1-1900

Imperial Mine working day shift only from 12-1-1899 to 3-29-1900

The Cleveland-Cliffs Iron Co.

Dept M & M
Statement of Delays
Year 1900.

Imperial Mine working day shift only from 12-1-1899 to 2-22-1900
 Tilden Mine in operation from 4-22-1900 to 8-1-1900
 Michigan Mine in operation from 8-1-1900 to
 Webster Mine in operation from 7-2-1900 to 10-12-1900
 Imperial Mine in operation from 12-1-1899 to 10-12-1900
 Volunteeer Mine in operation from 12-1-1899 to 8-30-1900

Total Days	282	282	212	232	108	122	282	282	282
Worked	232 1/2	284	162	204	87	92	232	232 2/3	92
Lost Time	1 1/2	23	16	12	6	6	21	1 1/2	12
Sundays	22	22	20	46	12	17	22	22	14
SUNDAY									
No. ds for yr.	362	362	212	232	108	122	362	362	362
Worked	232 1/2	284	162	204	87	92	232	232 2/3	92
Lost days	232 1/2	284	162	204	87	92	232	232 2/3	92
Other causes	2 1/2	8	2 1/2	2	2	2	4	2	7
Lost accid.	0	8 2/3	2	0	0	0	2	0	0
Delays	14	14 2/3	2 1/2	2	2	4	14	14 1/2	6
Sundays	22	22	20	46	12	17	22	22	14

Ore
 Hard
 Lake
 Volun
 Imp
 Web-
 Mich-
 Cliffs
 Sells
 Tilden

feet
 first
 after
 Comm
 Start

Division of Time.

Delays from various causes year ending November 30th, 1900.
 THE CLEVELAND-CLIFFS IRON CO.

CLEVELAND IRON MINING CO.

RECORD OF DELAYS FROM VARIOUS CAUSES YEAR ENDING NOVEMBER 30th, 1900.

TILDEN MINE.

	Hours Delay	Tons Lost	Per cent of time lost	
			1900	1899
Fatal Accidents				
Strikes				
Skips & Skip Roads & Bell Lines				
Hoisting Machinery				.077
Motors & Cars, Underground Tracks & Cars				
Compressors & Air Pipes	11	200	.043	
Shaft & Shaft House Repairs				
No. R.R. Cars	30	390	.116	.077
Barring Ground				
Top Tram Engines & Cars				.009
Cave In & Mud				
Crusher Repairs				
Rain & Snow	95	920	.365	.520
Miscellaneous	4	90	.015	
Total	140	1600	.539	.683
Holidays	120	1160	.461	.317
Total Inc. Holidays	260	2760	1.000	1.000
No. Days 10 Hrs. per day	13			
Actual Product for year	15325			
Average Product per day for year	192			
No. full days worked for year	69			
No. days idle	13			
Lost Product (Excluding Holidays)	1600			
<u>FIXED CHARGES.</u>				
	Tons	Cost	Amount	
Accounts that would not be effected when Mines are idle.				
General Expense (Except Analysis & R. Fund)		.007	110.81	
Maintenance		.005	77.68	
Air Pipes				
Pumping				
Mining Captain		.032	504.52	
Cave In				
Stripping		.115	1750.60	
Exploring				
Depreciation				
Total		.159	2443.61	
Total cost on stock pile for year (Actual)	15325	.565	8657.35	
Less Fixed Charge - Cost per ton		.159		
Cost of Lost Product	1600	.406	649.60	
Possible Product and Cost	16925	.550	9306.95	
Loss or the difference between actual and possible cost and the amount	16925	.015	253.88	
Do. 1899	29372	.007	205.60	

Cleveland Iron Mining Co.

Sept 1900
Board of Delays from Various Causes
Year 1900

DELAYS FROM VARIOUS CAUSES YEAR ENDING NOVEMBER 30th, 1900.

HIDDEN MINE.

Hours Lost
 Days Lost
 Tons Lost
 Per cent of

1899
 1900

Loss of the difference between actual
 possible product and cost
 Cost of lost product
 Less fixed charge - Cost per ton
 Total cost on stock pile for year (Actual)
 Total
 Depreciation
 Exploring
 Striping
 Cost in
 Mining Captain
 Pumping
 Air Pipes
 Maintenance
 General Expenses (Miscellaneous & R. Fund)
 Accounts that would not be collected when mines
 were idle.
 Total Product (Including holidays)
 No. Tons days worked 30 Year
 Average Product per day for year
 Actual Product for year
 No. Days 10 hrs. per day
 Total Inc. Holidays
 Holidays
 Total
 Miscellaneous
 Gain & Show
 Gravel Repairs
 Cost in & 12nd
 Top Tram Machines & Cars
 Working Ground
 Ho. R.R. Cars
 Building & Start House Repairs
 Repairs & C. A. in Piles
 Underground Tracks & C. A.
 Repairs in Machinery
 31st & 32nd Roads & Belt Lines
 Repairs
 Repairs

Item	1900	1899	Total
Total Inc. Holidays	12	12	24
Holidays	130	130	260
Total	140	140	280
Miscellaneous	4	4	8
Gain & Show	32	32	64
Gravel Repairs	20	20	40
Cost in & 12nd	11	11	22
Top Tram Machines & Cars	20	20	40
Working Ground	11	11	22
Ho. R.R. Cars	20	20	40
Building & Start House Repairs	11	11	22
Repairs & C. A. in Piles	20	20	40
Underground Tracks & C. A.	11	11	22
Repairs in Machinery	20	20	40
31st & 32nd Roads & Belt Lines	11	11	22
Repairs	20	20	40
Repairs	11	11	22

Item	Cost	Amount
Total Product (Including holidays)	1500	1500
No. Tons days worked 30 Year	132	132
Average Product per day for year	1500	1500
Actual Product for year	1500	1500
Cost of lost product	1500	1500
Less fixed charge - Cost per ton	1500	1500
Total cost on stock pile for year (Actual)	1500	1500
Total	1500	1500
Depreciation	115	115
Exploring	115	115
Striping	115	115
Cost in	115	115
Mining Captain	115	115
Pumping	115	115
Air Pipes	115	115
Maintenance	115	115
General Expenses (Miscellaneous & R. Fund)	115	115

Item	1899	1900
Total	1500	1500
Depreciation	115	115
Exploring	115	115
Striping	115	115
Cost in	115	115
Mining Captain	115	115
Pumping	115	115
Air Pipes	115	115
Maintenance	115	115
General Expenses (Miscellaneous & R. Fund)	115	115

DELAYS FROM VARIOUS CAUSES YEAR ENDING NOVEMBER 30th, 1900.

CLEVELAND IRON MINING CO.

RECORD OF DELAYS FROM VARIOUS CAUSES YEAR ENDING NOVEMBER 30th, 1900.

<u>VOLUNTEER MINE.</u>		Hours Delay	Tons Lost	Per cent of time lost	
				1900	1899
Fatal Accidents		60	1533	.188	
Strikes					
Skips & Skip Roads & Bell Line		33	0	.103	.140
Hoisting Machinery		21	0	.066	.046
Motors & Cars, Underground Tracks & Cars					
Compressors & Air Pipes		44	1400	.138	
Shaft & Shaft House Repairs		1	0	.003	.023
No. R.R. Cars					
Barring Ground					
Top Tram Engines & Cars		4	0	.012	
Cave In and Mud					
Crusher Repairs					
Rain & Snow					
Miscellaneous		7	0	.021	.186
	Total	170	2933	.531	.395
Holidays		150	3832	.469	.605
	Total Inc. Holidays	320	6765	1.000	1.000
No. Days 20 Hrs. per day		16			
Actual Product for Year		87370			
Average Product per day for year		511			
No. of full days Mine worked per year		166			
No. days idle		16			
Lost Product (Excluding Holidays)		2933			
<u>FIXED CHARGES.</u>		Tons	Cost	Amount	
Accounts not effected when Mines are idle.					
General Expense (Except Analysis & R. Fund)			.038	3348.50	
Maintenance			.052	4585.29	
Air Pipes			.003	268.31	
Pumping			.063	5540.25	
Mining Captain			.012	1125.00	
Cave In					
Stripping					
Exploring					
Depreciation			.145	12651.83	
	Total		.313	27519.18	
Total cost on stock pile for year (Actual)		87370	1.283	112136.99	
Less Fixed Charge (Cost per Ton)			.313		
Cost of Lost Product		2933	.970	2845.01	
Possible Cost & Product		90303	1.273	114982.00	
Loss or the difference between actual and possible cost and the amount.		90303	.010	903.03	
Do. 1899		32563	.004	130.25	

CLEVELAND IRON MINING CO.

RECORD OF DELAYS FROM VARIOUS CAUSES YEAR ENDING NOVEMBER 30th, 1900

IMPERIAL MINE.

	Hours Delay	Tons Lost	Per cent of time lost	
			1900	1899
Fatal Accidents				
Strikes				
Skips & Skip Roads & Bell Line	13	0	.063	.031
Hoisting Machinery	3	0	.014	.077
Motors & Cars, Underground Tracks & Cars				
Compressors & Air Pipes	20	180	.096	
Shaft & Shaft House Repairs				
No. R.R. Cars				.515
Barring Ground				
Top Tram Engine & Cars				.031
Cave In				
Crusher Repairs				
Rain and Snow	12	140	.058	.192
Miscellaneous	10	80	.048	
Total	58	400	.279	.846
Holidays	150	2000	.721	.154
Total Inc. Holidays	208	2400	1.000	1.000
No. Days 10 & 20 Hrs. per day	12			
Actual Product for year	67490			
Average Product per day for year	253			
No. full days Mine worked per year (20 hrs.)	264			
No. days idle	12			
Lost Product (Excluding Holidays)	400			
<u>FIXED CHARGES.</u>	Tons	Cost	Amount	
Accounts not effected when Mines are idle.				
General Expense (Except Analysis & R. Fund)		.051	3492.59	
Maintenance		.034	2314.90	
Air Pipes		.003	193.71	
Pumping		.028	1901.61	
Mining Captain		.015	1012.50	
Cave In				
Stripping		.000	7.40	
Exploring		.000	34.45	
Depreciation		.063	4231.22	
Total		.194	13188.38	
Total Cost on stock pile for year (Actual)	67490	1.116	75320.95	
Less Fixed Charges - Cost per Ton		.194		
Cost of Lost Product	400	.922	368.80	
Possible Product and Cost	67890	1.115	75689.75	
Loss or the difference between actual and possible cost and the amount	67890	.001	67.89	
Do. 1899	28305	.051	1443.56	

CLEVELAND IRON MINING CO.

RECORD OF DELAYS FROM VARIOUS CAUSES YEAR ENDING NOVEMBER 30th, 1900.

WEBSTER MINE.

	Hours Delay	Tons Lost	Per Cent of time lost	
			1900	1899
Fatal Accidents				
Strikes				
Skips & Skip Roads & Bell Line				
Hoisting Machinery				
Motors & Cars, Underground Tracks & Cars				
High Water in Lake Bottom				
Shaft & Shaft House Repairs				
No. R.R. Cars	35	370	.292	
Barring Ground				
Top Tram Engines & Cars				
Cave In & Mud				
Crusher Repairs				
Rain & Snow	25	265	.208	
Miscellaneous				
Total	60	635	.508	
Holidays	60	350	.500	
Total Inc. Holidays	120	985	1.000	
No. Days 20 Hrs. per day	6			
Actual Product for Year	20797			
Average Product per day for Year	212			
No. full days worked for year	87			
No. Days Idle	6			
Lost Product (Excluding Holidays)	635			
<u>FIXED CHARGES.</u>				
	Tons	Cost	Amount	
Accounts that would not be affected when Mines are idle.				
General Expense (Except Analysis & Relief Fund)		.045	939.43	
Maintenance		.014	285.86	
Air Pipes				
Pumping		.007	135.08	
Mining Captain		.016	337.50	
Cave In				
Stripping		.053	1108.65	
Exploring				
Depreciation		.847	17607.60	
Total		.982	20414.12	
Total Cost on stock pile for year (actual)	20797	1.372	28524.93	
Less Fixed Charge		.982		
Cost of Lost Product	635	.390	247.65	
Possible Product & Cost	21432	1.342	28772.58	
Loss or the difference between actual and possible cost and the amount.	21432	.030	342.96	

CLEVELAND IRON MINING CO.

RECORD OF DELAYS FROM VARIOUS CAUSES YEAR ENDING NOVEMBER 30th, 1900.

MICHIGAMME MINE.

	Hours Delay	Tons Lost	Per Cent of time lost.	
			1900	1899
Fatal Accidents				
Strikes				
Skips & Skip Roads Bell Line	27	0	.221	
Hoisting Machinery				
Motors & Cars, Underground Tracks & Cars	1	0	.008	
High Water in Lake Bottom				
Shaft & Shaft House Repairs				
No. R.R. Cars				
Barring Ground				
Top Tram Engines & Cars	4	0	.033	
Cave In				
Crusher Repairs	8	0	.066	
Rain & Snow	2	0	.016	
Miscellaneous				
Total	42	0	.344	
Holidays	80	776	.656	
Total Inc. Holidays	122	776	1.000	
No. Days 20 Hrs. per day	6			
Actual Product per day	19842			
Average Product per day for Year	194			
No. of full days mine worked per year	99			
No. Days Idle	6			
Lost Product (Excluding Holidays)	0			
<u>FIXED CHARGES.</u>				
	Tons	Cost	Amount	
Accounts not affected when Mines are idle.				
General Expense (Except Analysis & R. Fund)		.148	2925.72	
Maintenance		.139	2712.99	
Air Pipes		.006	117.70	
Pumping		.232	4630.50	
Mining Captain		.056	1125.00	
Cave In				
Stripping				
Exploring				
Depreciation		.340	6753.86	
Total		.919	18265.77	
Total Cost on stock pile for year (Actual)	19842	3.024	60010.76	
Less Fixed Charge - Cost per Ton		.919		
Cost of Lost Product		2.105		
Possible Product and Cost				
Loss or the difference between actual and possible cost and the amount.				

1887
 29213
 02674

The Cleveland Cliffs Iron Co.

Surplus Account; November 30th 1900.

Gladstone City Taxes	X	32075	Surplus	175162597
Division of Gov't Lot #3	X	16135	Basewood Bolt sales	X 23150
Expenses Timber Land Purchase	X	18187	Ground Rent, Gov't Lot 3	X 28125
Exploration on Mesambria Range	X	52345	Matthews Tract Land sales	X 6000
Operating Fee	X	48152548	Jones Land Trespassing	X 19715
" Chemical Plant	X	44495281	Int & Dis, Fee	X 41004
" Acetate "	X	651655	Carsons Tract Land sales	X 102160
General Interest	X	5590102	Olry Exclusive Pig Iron	X 172105
Legal Expense	X	188303	" Pioneer " "	X 53458252
Int "	X	778299	" Genoa Ore	X 8483
Dividends Paid	X	30517600	Dividends Recd	X 77036883
Personal Tax	X	14291	Ste Pioneer Oper of	X 1983099
Rail Fret on Alcohol	X	228748	" Cadillac " "	X 2772047
Special Expense	X	160283	Delivery of Alcohol	X 10434448
Rail Fret on Acetate	X	622336	" " Acetate	X 2747189
Commissions " "	X	66693	Profit on Pioneer P.D	X 22229026
Maintaining Tracks at Queen	X	134009	Standard Oil Co - Rebate	X 2917
Rail Fret on Queen Mine Ore	X	2924498	Sch Chattanooga, Oper of	X 1916804
Ore Purchased	X	1911898	Olry of Abbotford Ore	X 11482062
Penalties on Ore	X	177631	" " Alford "	X 16200442
Rail Fret on P.D Co's Ore	X	2833810	" " Bedford "	X 18086840
Rail " " " " "	X	2535829	" " Beresford "	X 5415784
Analysis " " " "	X	14791	" " Hartford "	X 6296567
Cargo Loss " " " "	X	8852	" " Chatford "	X 885804
Expenses of Mining by Lands	X	1275198	" " Buffalo "	X 25384592
Interest on Bonds " "	X	261633	" " Sameo "	X 3462845
" " Notes " "	X	477347	" " #1 Ward Angeline	X 370295
Expense Foreclosing Gladstone Co Bonds	X	275000	Royalty Acct	X 373747
Increase Exclusive P.D	X	186960	Increase Pioneer P.D	X 797210
" Acetate of Lime	X	41712	" Wood Alcohol	X 5063
" Regent Iron Co's Ore	X	13287025	Ste Ardacth Oper of	X 2228166
" L.S.I Co's "	X	49744912	" Choctaw " "	X 2089529
			Unclaimed Wages Fee	X 6866

545,116.25		167373545	441229816
47,667.13		1013980	166359565
		166359565	274870251
		258859	258859
		166618424	274611392
		417662	417662
		167036086	274193730

Abbotford 842.34 ✓
 Bedford 933.97 ✓

See Attachment
 3225260 = 15,416.03

16 14 13

The Cleveland-Cliffs Iron Co.

Figures used in Surplus Act

Nov 30th 1900

General Balance Sheet; November 30th 1900.
The Cleveland-Cliffs Iron Co.

	Nov 30 th 1899	Nov 30 th 1900	Increase	Decrease
<u>Assets.</u>				
Cleveland-Cliffs Iron Co's stock in Treasury 11,853 shares, par value	1,185,300 00	1,185,300 00		
Cleveland Iron Mining Co's Stock ^{Entire Capital} 100,000 shares, cost value	1,997,245 00	1,997,245 00		
Iron Cliffs Co's Stock ^{Entire Capital except 100 shares} 19,900 shares, cost value	2,248,325 00	2,248,325 00		
Four Steamers and One Schooner (Steamers Ondaste & Choctaw purchased in 1900)	245,000 00	425,000 00	180,000 00	
^{other} Permanent Investments as per schedule Balance	1,524,433 56	2,410,222 01	885,788 45	
Stock of Pig Iron on hand	112,496 20	110,033 20		2,463 00
Stock of Alcohol and Acetate of Lime	25,309 99	2,164 50		23,145 49
Stock of Ore on hand		47,667 13	47,667 13	
Stock of Supplies on hand	95,678 08	161,383 12	65,705 04	
Bills and Accounts Receivable	270,425 85	401,270 86	130,845 01	
Cash on hand	105,650 10	21,807 06		83,843 04
	<u>7,787,084 78</u>	<u>9,010,417 88</u>	<u>1,223,333 10</u>	
<u>Liabilities.</u>				
Capital Stock	5,000,000 00	5,000,000 00		
Bills and Accounts Payable	1,035,458 81	1,268,480 58	233,021 77	
Surplus Account	1,751,625 97	2,741,937 30	990,311 33	
	<u>7,787,084 78</u>	<u>9,010,417 88</u>	<u>1,223,333 10</u>	

Statement showing condition of the Company controlled by The Cleveland-Cliffs Iron Co.
 Condensed Balance Sheets.
 Cleveland Iron Mining Co.

	Nov 30 th 1899	Nov 30 th 1900	Increase	Decrease
<u>Assets.</u>				
Real Estate	2,500,000.00	2,500,000.00		
Cash	526,358.11	922,897.8	396,539.7	
Bills and Accounts Receivable	278,205.35	403,349.90	125,144.55	
Steamers "Ontiac" and "Frontenac"	250,000.00	230,000.00		200,000.00
Ore and Supplies	402,187.06	975,745.63	573,558.57	
Construction Account	63,692.53	90,842.63	27,150.10	
Miscellaneous	16,528.22	16,528.22		
	3,548,373.57	4,293,880.76	745,507.19	
<u>Liabilities.</u>				
Capital Stock	2,500,000.00	2,500,000.00		
Bills and Accounts Payable	331,033.35	482,721.53	151,688.18	
Surplus Account	717,340.22	1,311,159.23	593,819.01	
	3,548,373.57	4,293,880.76	745,507.19	

Iron Cliffs Co.

<u>Assets.</u>				
Real Estate	634,903.36	504,265.27		130,638.09
Cash	445,922.0	64,179.24	236,689.1	795,870.4
Bills and Accounts Receivable	472,079.64	823,301.86	451,596.49	364,222.22
Ore and Supplies	360,270.16	729,171.77	368,901.61	257,849.58
Bonds and Stocks of other Companies	215,000.00	114,750.00	93,250.00	
Construction Account	349,669.8	706,588.3	106,918.5	24,308.15
	1,568,312.34	2,148,274.94	579,962.60	
<u>Liabilities.</u>				
Capital Stock	1,000,000.00	1,000,000.00		
Bills and Accounts Payable	196,750.16	578,286.52	381,536.36	
Surplus Account	371,562.18	569,988.42	198,436.24	
	1,568,312.34	2,148,274.94	579,962.60	

Note: The Pioneer Iron Co's figures are included above with Iron Cliffs Co. - order Mr. Mather - R.M.

Comparative Statement of Profit and Loss.

	1899	1900	Increase	Decrease
Cleveland-Cliffs Iron Co	24223281	129548733	105325452	
Cleveland Iron Mining Co	28002615	59381901	31379286	
Iron Cliffs Co	12629099	46714453	34085354	
Net Operating Profit of all companies	64854995	233024075 235645087	168169080 170790092	
Less Dividends paid -				
By Cleveland-Cliffs Iron Co	6% 22888200	8% 30517600	7629400	
By Iron Cliffs Co; to Stockholders other than the Cleveland-Cliffs Iron Co	1353750			1353750
Total	24241950	30517600	6275650	
Net Increase in Surplus Accounts of all companies	40613045	202506475 205127487	161893430 164514442	

Stocks, Bonds and other Permanent Investments owned by the Cleveland Cliffs Iron Co
 November 30th 1900.

Arctic Iron Co Stock; ^{one half of sub-capital stock} 10000 shares, cost value	11500000
Lake Superior Iron Co Stock; ^{one quarter of capital stock} 20999 " " " "	95953913
Regent Iron Co Stock ^{one quarter " " " "} 1135 " " " "	11250000
Lake Superior & Ishpeming Ry Co Stock	100000
See in Queen, Prince of Wales and Blue Mines (1/6 interest)	3287500
See in Webster Mine (1/2)	1949557
Winnipeg Ry and Land Co purchase	58867282
Pioneer Furnace and Chemical Plant	23827733
Real Estate and Buildings	34286216
Timber lands, residence ^{dwellings} & rented houses, town lots re.	
	2,410,222.01

The Cleveland-Cliffs Iron Co.

*Figures used in making up the Printed
Annual Report for 1900 -*

(2^d attempt)

General Balance Sheet; November 30th 1900.

The Cleveland-Cliffs Iron Co.

	Nov 30 th 1899	Nov 30 th 1900	Increase	Decrease
<u>Assets:</u>				
Cleveland-Cliffs Iron Co. Stock in Treasury 11,853 shares, par value	1,185,300.00	1,185,300.00		
Cleveland Iron Mining Co. Stock 100,000 shares, cost value	1,997,245.00	1,997,245.00		
Iron Cliffs Co. Stock 19,900 shares, cost value	2,248,325.00	2,248,325.00		
Acetate Iron Co. Stock, 10,000 shares, cost value	115,000.00	115,000.00		
Lake Superior Iron Co. Stock (20,974 shares in 1899; 20,999 shares in 1900)	957,580.00	959,539.13	1959.13	
Regent Iron Co. Stock 1125 shares	112,500.00	112,500.00		
L.S. & I. Ry. Co. Stock	1,000.00	1,000.00		
Munising Ry. Co. Stock 8,106 shares		458,700.00	458,700.00	
Munising Ry. Co. Bonds		553,000.00	553,000.00	
Munising Ry. Co. Notes		283,547.70	283,547.70	
Munising Co. Stock 4,159 shares		203,955.12	203,955.12	
Fee in Queen, Prince of Wales & Blue Mines	32,875.00	32,875.00		
Fee in Webster Mine	19,489.69	19,495.57	588	
Steamers Pioneer, Cadillac, Ondesta & Choptaw (Ondesta & Choptaw purchased during 1900)	175,000.00	365,000.00	190,000.00	
Steamer Chathamoga	70,000.00	60,000.00		10,000.00
Stock of Pig Iron on hand	112,496.20	110,033.20		2,463.00
Stock of Alcohol & Acetate of Lime	2,530.99	2,164.50		366.49
Stock of Ore on hand		47,667.13	47,667.13	
Stock of Supplies	95,678.08	161,383.12	65,705.04	
Pioneer Furnace & Chemical Plant	175,638.86	238,277.33	62,638.47	
Real Estate & Buildings	110,350.01	342,862.16	232,512.15	
Bills and Accounts Receivable	270,425.85	481,270.86	210,845.01	
Cash on hand	105,650.10	21,807.06		83,843.04
	7,787,084.78	9,010,417.88	1,223,333.10	
<u>Liabilities</u>				
Capital Stock	5,000,000.00	5,000,000.00		
Bills and Accounts Payable	1,035,458.81	1,268,480.58	233,021.77	
Surplus Account	1,751,625.97	2,741,937.30	990,311.33	
	7,787,084.78	9,010,417.88	1,223,333.10	

Statements showing condition of the companies controlled by The Cleveland-Cliffs Co.
 Condensed Balance Sheets -
 Cleveland Iron Mining Co.

	Nov 30 th 1899	Nov 30 th 1900	Increase	Decrease
<u>Assets:</u>				
Real Estate	2,500,000.00	2,500,000.00		
Cash	526,358.1	922,897.8	396,539.7	
Bills and Accounts Receivable	278,205.35	403,349.90	125,144.55	
Steamers "Pontiac" and "Frontenac"	250,000.00	230,000.00		20,000.00
Ore and Supplies	402,187.06	975,745.63	573,558.57	
Construction Account	63,692.53	90,842.63	27,150.10	
Miscellaneous	165,282	165,282		
	3,548,373.57	4,293,880.76	745,507.19	
<u>Liabilities:</u>				
Capital Stock	2,500,000.00	2,500,000.00		
Bills and Accounts Payable	331,033.35	482,721.53	151,688.18	
Surplus Account	717,340.22	1,311,159.23	593,819.01	
	3,548,373.57	4,293,880.76	745,507.19	

Iron Cliffs Co.

	Nov 30 th 1899	Nov 30 th 1900	Increase	Decrease
<u>Assets:</u>				
Real Estate	634,903.36	504,265.27		130,638.09
Cash	44,592.20	64,179.24	19,587.04	
Bills and Accounts Receivable	472,079.64	836,301.86	364,222.22	
Ore and Supplies	360,270.16	618,119.74	257,849.58	
Bonds and Stock of other Companies	215,000.00	114,750.00		93,250.00
Construction Account	34,966.98	106,588.3		24,308.15
	1,568,312.34	2,148,274.94	579,962.60	
<u>Liabilities:</u>				
Capital Stock	1,000,000.00	1,000,000.00		
Bills and Accounts Payable	196,750.16	309,568.23	112,818.07	
Surplus Account	1,371,562.18	838,706.71		467,144.53
	1,568,312.34	2,148,274.94	579,962.60	

Pioneer Iron Co.

Assets

Real Estate	12500000
Equities to large River Furnaces	4000000
Pig Iron on hand	10727345
Supplies on hand	377858
Accounts Receivable	8737427
Cash on hand	408187
	36750817

Liabilities

Capital Stock	12500000
Bills and Accounts Payable	26871829
Surplus Account (Debit)	2621012
	36750817

Summary of Profit and Loss of the Four Companies for the year

<u>The Cleveland-Bluffs Iron Co</u>			
Total Profit	1,295,487.33		
Less Dividends Paid, 8%	305,176.00		
Net Profit		990,311.33	
<u>Cleveland Iron Mining Co</u>			
Net Profit		593,819.01	
<u>Iron Bluffs Co</u>			
Net Profit		467,144.53	
Total Profits			2,051,274.87
<u>Pioneer Iron Co</u>			
Net Loss			262,101.2
Net Profit of the Four Companies			\$ 2,025,064.75

Analysis of

Profit and Loss Account of the Four Companies for the year

Profit of the Mining Department	1,193,986.29		
" " " Furnace "	374,788.11		
" " " Vessel "	159,291.29		
" on Lumber Pig Iron	104,796.43		
" " Regent Iron Co and Lake Superior Iron Co Ceres	1,388,712.6		
Dividends received on Investments	478,310.50		
- Total		2,450,043.88	
Less;			
Loss account Land Department	488,630		
General, Legal, Miscellaneous Expenses ^{Interest} &c	114,916.83		
Total		1,198,031.3	
Total Profit			2,330,240.75
Less Dividends Paid; 8% on outstanding Capital Stock of \$3,814,700.00			305,176.00
Net Profit of the Four Companies			\$ 2,025,064.75

The Cleveland-Cliffs Iron Co.

*Figures used in making up the Printed
Annual Report for 1900 -*

(1st attempt)

THE CLEVELAND-CLIFFS IRON CO.

STATEMENT OF ORE RECEIVED BY THE CLEVELAND-CLIFFS IRON COMPANY UNDER THEIR CONTRACTS WITH
THE LAKE SUPERIOR IRON CO.

GRADE.	ESTIMATED TOTAL PRODUCTION.	C. C. I. CO.'S PROPORTION.		ACTUAL TONS RECEIVED.	
		TONS	VALUE	TONS.	VALUE
L. S. I. CO. (CONT.#262.)					
ABBOTTSFORD,	95,000	23,750	\$114,000.00	23,013-230	\$110,462.90
ALFORD	160,000	40,000	154,000.00	40,002-180	154,008.01
BERESFORD	70,000	17,500	59,675.00	16,494-530	56,245.35
BEDFORD	270,000	67,500	167,400.00	64,387-1650	159,681.58
CASTLEFORD	94,000	23,750	71,250.00	19,382-150	58,146.20
CHATFORD,	60,000	15,000	23,250.00	4,240-1030	6,572.21
	750,000	187,500	589,575.00	167,519-1530	545,116.25

Our Receipt from
Lake Superior Iron Co.
Year 1900

Statement of Acc Received by
 C C I. Co from L S I. Co.
 & Request Iron Co
 during 1900
 on Cont. + 26%

Grade	Estimated Total Production	C. C. I. Co's proportion 1/4	actual Iron Received	Value	
abbotsford	alford	Peresford	Redford	Castlesford	Chatsford
11045.81	47446.78	3757.26	5136.98	5552.58	830.37
14573.44	41854.30	20863.28	8477.62	23655.44	1980.44
17644.18	12609.83	99.94	10571.65	9757.31	812.38
31793.68	24653.37	9873.52	1037.67	5515.26	829.57
20848.61	10447.85	4275.12	2156.05	6396.23	2119.45
14557.18	14020.29	8276.65	1585.45	7269.38	6572.71
	2975.59	8999.58	1942.98		
110462.90	154008.01	56245.35	33656.70	58146.70	
			1096.71		
			40667.13	19382.07	
			31858.64	3	
			1531.34	58146.21	
			19962.66		
			159681.58		
23013.1	40002.1	16494.24			
480	3.85	3.41			
18410480	2000105	1649424			
920524	3200168	6597696			
110462.880	1200063	4948272			
	154008.085	56245.3584			
			64387.7		
			248		
			5151016		
			2575508		
			11287754		
			159681.491		
				4240.4	
				155	
				212020	
				212020	
				42404	
				6572.620	

9999-2240
 6345
 6345
 1540
 110462.90
 154008.01
 56245.35
 159681.58
 58146.21
 6572.62
 545116.25

1901
 1720
 1901
 1662060
 3780
 3653-1540
 2240

May 3310

981 260 ✓
2026 1210 ✓
410 1650 ✓

June 3368

2301 470 10871 550 6118 590 4262 1710 ✓
418 930 ✓ 7885 330 ✓ 536 100 ✓
869 840 ✓

July 3431

3036 300 3275 620 29 690 639 660 3252 980 1277 1580 ✓
2895 1030 ✓ 783 1030 ✓

Aug. 3489

3675 1950 6403 1060 1253 1570 13571 560 1838 940 ✓
442 500 ✓

Sept. 3561

6623 1530 2713 1630 16398 80 ✓ 524 260 ✓

Oct. 3627

4343 1030 3641 1420 2456 1110 12846 510 2032 170 535 460 ✓

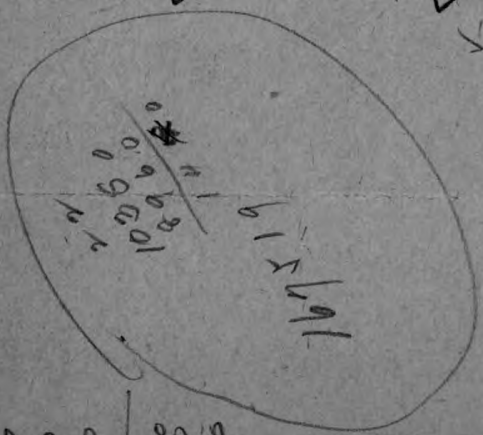
Nov 3681

3032 1670 772 1970 2639 390 8049 1030 26423 280 1367 870 ✓
617 1070 ✓

3714

25013 $\frac{6950}{6720}$ 230 40000 $\frac{9140}{8960}$ 180 16494 $\frac{7250}{6728}$ 530 64387 $\frac{12850}{11400}$ 160 19382 $\frac{4630}{4280}$ 150 4240 $\frac{3270}{2240}$ 1030 ✓

4660
11480
1580
3890



16464-2080 2461-1410
29 690 12332 1360
2770 43805 1790
2240
16494 530 4560
4450
58200 80
12780 100
61380 180

3007 1470

2461-1410
43805 1790
18120 690
3890
2240
64387 1650 ✓

3480
3030
1240

4226 160
14 870
4240 1030 ✓

23013- 230
40007 180
16494 530
64387 1650
19382 150
4240 1030

3720
2240
167519 1530

The Cleveland-Cliffs Iron Co.

Statement of Ore Received by C. C. I. Co. under its contract with Lake Superior Iron Co.

Grade	Price	Estimated Total Production	C. C. I. Co's proportion		Actual Tons Received	
			Tons	Value	Tons	Value
C. C. I. Co. (Cont. # 2062)						
Abbotsford	4.50	95000	23750	1140000	23013 230	1104620 90
Alford	3.85	160000	40000	1540000	40002 180	154008 01
Berrisford	3.41	70000	17500	5967500	16494-530	56245 35
Redford	2.48	270000	67500	16740000	64387 1650	159681 58
Castleford	3.00	95000	23750	7125000	19382 150	58146 20
Chatford	1.55	60000	15000	2325000	4240 1020	6572 21
		750,000	187500	58957500	167519 1530	54511 625

Lake Superior Iron Co.

Statement of Distribution of Ore received from Lake Superior Iron Co. Season of 1900

Ore	Received from operators	Distribution			Remarks
		Purchaser	Price Received	Tons	
abbatsford	23013	Whiting Steel & Iron Co.	6 25	19000	made up as follows: straight abbatsford 23013 #1 Hard Siphline <u>3225</u> 26238
		Stewart Iron Co.	" 6 25	5000	
		Honor Brown & Co.	" 6 25	2000	
alford	4000%	Illinois Steel Co.	mine 4 05	4000%	Shipped as Lake Bessemer
Barrsford	16494	Bro. S. Wigham & Klein Co.	" 4 00	29	as Barrsford
		Illinois Steel Co. & Co. Chicago Iron Co.	" 3 21	12970	" Crushed Cliffs shaft
		Carnegie Steel Co.	Marquette 3 55	3495	" " "
Bedford	64388	Spring Lake Iron Co.	mine 2 60	9342	as Bedford
		Houder Iron Co.	" 2 60	1951	" "
		See. Rapids Iron Co.	" 2 53	5998	" "
		Cleveland Cliffs Iron Co.	" 2 60	829	" "
		Cleveland Iron Mining Co.	Marquette 2 90	2462	" to sundry purchases @ 4 ⁰⁰ at l. & S.
		Iron Cliffs Co.	" 2 90	43806	" Salisbury " " " "
Bostleford	1938%	Illinois S. Co. & Co. Chicago Iron Co.	mine 3 21	17178	as Crushed Cliffs shaft
		Carnegie Steel Co.	Marquette 3 55	2204	" " "
Chatford	4240	Antrim Iron Co.	mine 2 00	19322	as Chatford
		Deseronto Iron Co.	Marquette 2 30	1353	" " "
				4226	14 tons difference = 1% deducted

Our Billed Dunbar Furnace to Nov. 30, 1900

Courade	5827	<u>620</u>	25243.72
Scotch	13121	160	59832.06
Imperial	12859	1390	49843.83
Michigan	6752	920	32073.93
Cliffs Shaft	47	<u>2020</u>	227.53

167221.07

Total Our Billed them 38608 ⁵¹¹⁰ ₄₄₈₀ 630

Total Our charged in fee. 29214

127224.80

Balance on hand 9394

\$ 39996.27

Pioneer Fee Construction Acct on Civil Balance Sheet, Nov 30/1900, is made up of following items on our Trial Balance

New Construction of	14534680	✓
Parsons Tract Taxes	1637711	
Matthews " "	115608	✓
Fee Improvement of	1584455	✓
Retort " "	10217567	✓
Chemical " "	216221	✓
	26832302	
Less; Land Relinquished	1093759	
		\$25738552

The different accounts entering into the Dunbar Big Iron deal, stand as follows on our books, November 30th 1900.

C-C I Co Ledger	Dr	7391812	
C-I M Co "	"	1116062	
		8507874	
I C Co "	Cr	2742583	
Net Debit Balance			\$5765291
Cre on hand at Dunbar, as per statement		3999627	
Yard shortage; Nov 30 th - see monthly entry		1765664	
			\$5765291

Fee	Houses + Lands etc
99,646.90	13,977.46
21,689.15	57.69
24,949.77	3230.21
253.34	1637.71
102,175.67	1156.08
249,214.83	20,059.15
Land Relinquished 10,937.50	950.96 - less Portable Ry
238,277.33	19,108.19
238,277.33	
19,108.19	
\$257,385.52	

The Cleveland-Cliff Iron Co.

Dunbar Furnace Account

Linear Fe Constg ofc

Nov 30th 1900

0 0 0

1/16 Fee

1/4 Stock

34

DEPARTMENT OF THE INTERIOR.
UNITED STATES GEOLOGICAL SURVEY.
DIVISION OF MINING AND MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE, Odd
Bellevue Temple, Broad and Cherry Streets, Philadelphia, Pa.

CONFIDENTIAL.

No. 167

IRON ORE.

Statistics of IRON ORE MINED during the year ending December 31st, 1900, at the

Cliff. Shaft

(Give name or designation of mine.)

Located at

Ishpeming

County of

Marquette

State of

Michigan

Information supplied by

W. G. Mathew, Pres't

Cleveland, Ohio

(Signed here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1900" TO BE PUBLISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

A. Underscore character of iron ore produced, and if more than one of the follow-
ing classes is mined, give amount of each:-

LIMONITE, BROWN HEMATITE, OR BOG ORE.

RED HEMATITE, SPECULAR OR FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year
ending Dec. 31st, 1900.

263,306

GROSS TONS.

(If none, so state.)

Also stock of iron ore on hand at MINE, Dec. 31, 1900.

96,081

GROSS TONS.

(If none, so state.)

C. Give total value on cars or carts AT THE MINE of the iron ore produced dur-
ing the year ending December 31, 1900, royalty, if any, included, but exclusive of hauling
to points of shipment or consumption. The gross commercial value of the ore at the mine,
NOT the cost or profit is asked for.

1109 1900
1900 2300

842,579²⁰

D. Is there objection to the figures of output only being credited to
your mine in the report when published? Answer no

DEPARTMENT OF THE INTERIOR.

UNITED STATES GEOLOGICAL SURVEY

DIVISION OF MINING AND MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE, Odd Fellows Temple, Broad and Cherry Streets, Philadelphia, Pa.

CONFIDENTIAL.

No. 188

IRON ORE.

Statistics of IRON ORE MINED during the year ending December 31st, 1900, at the

Salisbury

(Give name or designation of mine.)

Located at Ishpeming

County of Marquette State of Michigan

Information supplied by D. G. Mather, President Cleveland, Ohio

(Signed here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES OF THE UNITED STATES, 1900" TO BE PUBLISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

A. Underscore character of iron ore produced, and if more than one of the following classes is mined, give amount of each:-

LIMONITE, BROWN HEMATITE, OR BOG ORE.

RED HEMATITE, SPECULAR OR FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year ending Dec. 31st, 1900. 161.996 GROSS TONS.

(If none, so state.)

Also stock of iron ore on hand at MINE, Dec. 31, 1900.

38.802 GROSS TONS.

(If none, so state.)

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1900, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine,

NOT the cost or profit is asked for.

		1899 price	1900 price
Salis, Bees	51,678 tons	1.65	4.00
Salisbury	110,318 "	1.05	2.60

\$ 493,538.80

D. Is there objection to the figures of output only being credited to your mine in the report when published? Answer no

DEPARTMENT OF THE INTERIOR.

UNITED STATES GEOLOGICAL SURVEY.

DIVISION OF MINING AND MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE, Odd
allows Temple, Broad and Cherry Streets, Philadelphia, Pa.

CONFIDENTIAL.

No. 256

IRON ORE.

Statistics of IRON ORE MINED during the year ending December 31st, 1900, at the

Silden

(Give name or designation of mine.)

Located at

Ishpeming

County of

Marquette

State of

Michigan

Information supplied by

Wm. S. Mather, Pres't.

Cleveland, Ohio

(Signed here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1900" TO BE PUBLISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

A. Underscore character of iron ore produced, and if more than one of the follow-
ing classes is mined, give amount of each:-

LIMONITE, BROWN HEMATITE, OR BOG ORE.

RED HEMATITE, SPECULAR OR FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year
ending Dec. 31st, 1900.

(If none, so state.)

15,325

GROSS TONS.

Also stock of iron ore on hand at MINE, Dec. 31, 1900.

(If none, so state.)

None

GROSS TONS.

C. Give total value on cars or carts AT THE MINE of the iron ore produced dur-
ing the year ending December 31, 1900, royalty, if any, included, but exclusive of hauling
to points of shipment or consumption. The gross commercial value of the ore at the mine,

NOT the cost or profit is asked for.

1899 price
.50

1900 price
1.00

\$ 15,325

DEPARTMENT OF THE INTERIOR.

UNITED STATES GEOLOGICAL SURVEY.

DIVISION OF MINING AND MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE, Odd
Philadelphia, Broad and Cherry Streets, Philadelphia, Pa.

CONFIDENTIAL.

No. 165

IRON ORE.

Statistics of IRON ORE MINED during the year ending December 31st, 1900, at the

Cleveland Hard Ore

(Give name or designation of mine.)

Located at Iskpeuing

County of Marquette State of Michigan

Information supplied by Wm. J. Marker, Pres.

Cleveland, Ohio

(Signed here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1900" TO BE PUBLISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

A. Underscore character of iron ore produced, and if more than one of the follow-
ing classes is mined, give amount of each:-

LIMONITE, BROWN HEMATITE, OR BOG ORE.

RED HEMATITE, SPECULAR OR FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year
ending Dec. 31st, 1900. 74,974 GROSS TONS.

(If none, so state.)

Also stock of iron ore on hand at MINE, Dec. 31, 1900.

8727 GROSS TONS.

(If none, so state.)

1899, 1900 1901
1902 1903 1904

C. Give total value on cars or carts AT THE MINE of the iron ore produced dur-
ing the year ending December 31, 1900, royalty, if any, included, but exclusive of hauling
to points of shipment or consumption. The gross commercial value of the ore at the mine,
see above report for

NOT the cost or profit is asked for.

D. Do there objection to the figures
of Output only being credited to your
mine in the report when published? Answer no.

\$ 243665.50

UNITED STATES GEOLOGICAL SURVEY.

DIVISION OF MINING AND MINERAL RESOURCES.

Returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINS, Odd
Philadelphia, Broad and Cherry Streets, Philadelphia, Pa.

CONFIDENTIAL.

No. 166

IRON ORE.

Statistics of IRON ORE MINED during the year ending December 31st, 1900, at the

Cleveland Lake

(Give name or designation of mine.)

Located at

Ishpeming

County of

Marquette

State of

Michigan

Information supplied by

Wm. H. Mather, Priest

Cleveland, Ohio

(Signed here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1900" TO BE PUBLISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

A. Underscore character of iron ore produced, and if more than one of the follow-
ing classes is mined, give amount of each:-

LIMONITE, BROWN HEMATITE, OR BOG ORE.

RED HEMATITE, SPECULAR OR FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year
ending Dec. 31st, 1900.

(If none, so state.)

497925

GROSS TONS.

Also stock of iron ore on hand at MINE, Dec. 31, 1900.

(If none, so state.)

89903

GROSS TONS.

Take 313462 ^{99 pms} #1.00 ^{100 lbs} 2.60
Take 184463 ^{200 pms} #2.00 ^{400 lbs} 4.00

C. Give total value on cars or carts AT THE MINE of the iron ore produced dur-
ing the year ending December 31, 1900, royalty, if any, included, but exclusive of hauling
charges of shipment or consumption. The gross commercial value of the ore at the mine,
no cost or profit is asked for.

D. Is there objection to the figures of Output only
being credited to your mines in the
report when published? Answer No.

1,557,853.20

DEPARTMENT OF THE INTERIOR.

UNITED STATES GEOLOGICAL SURVEY.

DIVISION OF MINING AND MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE, Odd
Number Temple, Broad and Cherry Streets, Philadelphia, Pa.

MINERAL

No. 196

IRON ORE.

Statistics of IRON ORE MINED during the year ending December 31st, 1900, at the

Hebster

(Give name or designation of mine.)

Located at

Michigan

County of

Baraga

State of

Michigan

Information supplied by

Wm. Mathew, Pres

Cleveland, Ohio

(Signed here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1900" TO BE PUBLISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

A. Underscore character of iron ore produced, and if more than one of the follow-
ing classes is mined, give amount of each:-

LIMONITE, BROWN HEMATITE, OR BOG ORE.

RED HEMATITE, SPECULAR OR FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year
ending Dec. 31st, 1900.

(If none, so state.)

20797

GROSS TONS.

Also stock of iron ore on hand at MINE, Dec. 31, 1900.

(If none, so state.)

None

GROSS TONS.

420

C. Give total value on cars or carts AT THE MINE of the iron ore produced dur-
ing the year ending December 31, 1900, royalty, if any, included, but exclusive of hauling
to points of shipment or consumption. The gross commercial value of the ore at the mine,
NOT the cost or profit is asked for.

\$

45.75340

DEPARTMENT OF THE INTERIOR.

UNITED STATES GEOLOGICAL SURVEY.

DIVISION OF MINING AND MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE, Odd
ellows Temple, Broad and Cherry Streets, Philadelphia, Pa.

CONFIDENTIAL.

No. 176

IRON ORE.

Statistics of IRON ORE MINED during the year ending December 31st, 1900, at the

Imperial

(Give name or designation of mine.)

Located at Michigan

County of Baraga State of Michigan

Information supplied by Wm. Mathu Pres
Cleveland, Ohio

(Signed here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1900" TO BE PUBLISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

A. Underscore character of iron ore produced, and if more than one of the follow-
ing classes is mined, give amount of each:-

LIMONITE, BROWN HEMATITE, OR BOG ORE.

RED HEMATITE, SPECULAR OR FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year
ending Dec. 31st, 1900. 63344 GROSS TONS.

(If none, so state.)

Also stock of iron ore on hand at MINE, Dec. 31, 1900.

7.509 GROSS TONS.

(If none, so state.)

C. Give total value on cars or carts AT THE MINE of the iron ore produced dur-
ing the year ending December 31, 1900, royalty, if any, included, but exclusive of hauling
to points of shipment or consumption. The gross commercial value of the ore at the mine,
NOT the cost or profit is asked for.

99 Price - 1.00
00 " = 2.20

139.35680
\$ 16.51980

DEPARTMENT OF THE INTERIOR.

UNITED STATES GEOLOGICAL SURVEY.

DIVISION OF MINING AND MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE, Odd
alley, Temple, Broad and Cherry Streets, Philadelphia, Pa.

CONFIDENTIAL.

No. 194

IRON ORE.

Statistics of IRON ORE MINED during the year ending December 31st, 1900, at the

Michigan

(Give name or designation of mine.)

Located at

Michigan

County of

Marquette

State of

Michigan

Information supplied by

Wm G Mathu, Pres

Cleveland, Ohio

(Signed here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1900" TO BE PUBLISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

A. Underscore character of iron ore produced, and if more than one of the follow-
ing classes is mined, give amount of each:-

LIMONITE, BROWN HEMATITE, OR BOG ORE.

RED HEMATITE, SPECULAR OR FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year
ending Dec. 31st, 1900. 23713 GROSS TONS.

(If none, so state.)

Also stock of iron ore on hand at MINE, Dec. 31, 1900.

4619

GROSS TONS.

(If none, so state.)

310 1900 price

C. Give total value on cars or carts AT THE MINE of the iron ore produced dur-
ing the year ending December 31, 1900, royalty, if any, included, but exclusive of hauling
to points of shipment or consumption. The gross commercial value of the ore at the mine.
NOT the cost or profit is asked for.

73510³⁰
73510³⁰

DEPARTMENT OF THE INTERIOR.

UNITED STATES GEOLOGICAL SURVEY.

DIVISION OF MINING AND MINERAL RESOURCES.

Returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE, Odd
Philadelphia, Broad and Cherry Streets, Philadelphia, Pa.

No. 192

IRON ORE.

Statistics of IRON ORE MINED during the year ending December 31st, 1900, at the

Volunteer

(Give name or designation of mine.)

Located at Palmer

County of Marquette State of Michigan

Information supplied by Wm. G. Mather, Pres
Cleveland, Ohio

(Signed here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1900" TO BE PUBLISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

A. Underscore character of iron ore produced, and if more than one of the follow-
ing classes is mined, give amount of each:-

LIMONITE, BROWN HEMATITE, OR BOG ORE.

RED HEMATITE, SPECULAR OR FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year
ending Dec. 31st, 1900. 75505 GROSS TONS.

(If none, so state.)

Also stock of iron ore on hand at MINE, Dec. 31, 1900.

42.052 GROSS TONS.

(If none, so state.)

C. Give total value on cars or carts AT THE MINE of the iron ore produced dur-
ing the year ending December 31, 1900, royalty, if any, included, but exclusive of hauling
to points of shipment or consumption. The gross commercial value of the ore at the mine.
NOT the cost or profit is asked for.

207,638.75

1899 Price 1.40
1900 " = 2.75

~~115,643.00~~

The Cleveland-Cliffs Iron Co.

Copies of Reports for 1900
furnished US Government

1901

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

THE CLEVELAND-CLIFFS IRON CO.
COMPARATIVE STATEMENT OF VESSEL OPERATIONS FOR SEASON OF 1900.

	PRESQUE ISLE	ANGELINE	CENTURION	PONTIAC	FRONTENAC	CADILLAC	CHOCTAW	ANDASTE	PIONEER & CHATTANOOGA	KALIYUGA & FONTANA	PEASE & PLANET	TOTALS.
NUMBER MILES TRAVELED	37,107	32,658	31,949	35,083	29,804	30,074	26,041	30,581	26,821	29,493	14,376	323,987
GROSS TONS FREIGHT CARRIED	173,060	155,745	111,128	84,410	73,923	63,814	63,736	75,314	109,270	85,300	34,739	1,030,89
AVERAGE RATE FREIGHT PER GROSS TON	\$1.1000	\$1.1000	\$1.0983	\$1.0252	\$.9635	\$ 1.0246	\$.8936	\$.8065	\$1.0949	\$1.0788	\$.8509	\$1.0337
AVERAGE COST TO CARRY PER GROSS TON FREIGHT	.4557	.4381	.6077	.5849	.5233	.5123	.5439	.5038	.5990	.6783	.6736	.5383
NET EARNINGS PER TON FREIGHT CARRIED	\$.6443	\$.6619	\$.4906	\$.4403	\$.4402	\$.5123	\$.3397	\$.3027	\$.4959	\$.4005	\$.1773	\$.4954
GROSS RECEIPTS	\$190,366.00	\$171,319.50	\$122,053.80	\$86,541.76	\$71,224.04	\$65,387.76	\$56,318.98	\$60,740.23	\$119,635.88	\$92,020.80	\$29,559.30	\$1,065,167.85
GROSS EXPENDITURES	78,856.61	68,243.88	67,528.44	49,372.53	38,685.52	32,694.84	34,667.80	37,944.88	65,455.37	57,858.36	23,598.54	554,706.77
NET EARNINGS	\$111,509.39	\$103,075.62	\$54,525.16	\$37,169.23	\$32,538.52	\$32,692.92	\$21,651.18	\$22,795.35	\$54,180.51	\$34,162.44	\$ 6,160.76	\$510,461.08
PERCENTAGE OF OPERATIONS TO EARNINGS	41.4	39.8	55.3	57.0	54.3	50.0	61.5	62.4	54.7	62.9	79.1	52.1
GROSS EARNINGS PER DAY	\$838.61	\$761.42	\$544.88	\$441.54	\$363.39	\$284.29	\$296.41	\$269.95	\$520.16	\$292.13	\$130.21	\$4,742.99
OPERATING EXPENSES PER DAY	347.38	303.31	301.47	251.90	197.38	142.15	162.46	168.64	284.59	183.68	103.07	2,466.03
NET EARNINGS PER DAY	\$491.23	\$458.11	\$243.41	\$189.64	\$166.01	\$142.14	\$113.95	\$101.31	\$235.57	\$108.45	\$ 27.14	\$2,276.96
EXPENSES PER DAY EXCLUDING CARGO HANDLING COSTS	\$174.70	\$150.85	\$191.31	\$161.48	\$127.71	\$ 86.68	\$126.19	\$116.98	\$170.49	\$125.53	\$ 82.08	\$1,514.50
AVERAGE TONS COAL CONSUMED PER MILE STEAMED	240/2000	201/2000	191/2000	209/2000	155/2000	107/2000	156/2000	151/2000	166/2000	160/2000	150/2000	
AVERAGE WAGES PAID PER DAY WHILE IN COMMISSION	\$35.11	\$34.10	\$32.87	\$32.87	\$29.62	\$27.61	\$30.21	\$30.73	\$40.83	\$34.43	\$28.13	
AVERAGE ORE CARGO FROM LAKE SUPERIOR	5968	6230	4448	3301	3085	2327	2823	2838	5663	4968	1626	

*comparative Statement
of Vessel Operations
for Season 1900*

THE CLEVELAND-CLIFFS IRON CO.

COMPARATIVE STATEMENT OF TAXES FOR THE YEARS ENDING NOV. 30, 1899 & 1900.

	1899	1900	INCREASE	DECREASE
<u>THE CLEVELAND-CLIFFS IRON CO.</u>				
Personal Taxes,	\$103.64	\$186.51	\$82.87	
Real Estate Taxes,		2,562.92	2,562.92	
Steamer "PIONEER"	385.86	195.83		\$190.03
" " "CADILLAC"	367.05	186.51		180.54
Gladstone Lots and Lands,	6,091.99	6,534.95	442.96	
TOTAL,	\$6,948.54	\$9,666.72	\$2,718.18	
<u>THE CLEVELAND IRON MINING CO.</u>				
Personal Taxes,		\$215.60	\$215.60	
Mine Taxes,	\$19,487.76	\$22,350.50	2,862.74	
Steamer "PONTIAC"	587.25	298.42		288.83
" " "FRONTENAC"	495.50	251.78		243.72
Taxes, Marquette property,	60.60	41.17		19.43
Land Department Taxes,	687.62	662.45		25.17
TOTAL,	\$21,318.73	\$23,819.92	\$2,501.19	
<u>IRON CLIFFS COMPANY.</u>				
Mine Taxes,	\$13,468.26	\$13,212.95		\$255.31
Land Department Taxes,	8,140.44	9,589.73	\$1,449.29	
TOTAL,	\$21,608.70	\$22,802.68	\$1,193.98	
<u>PIONEER IRON CO.,</u>				
Carp River Furnace,		\$312.08	\$312.08	
Real Estate,		548.29	548.29	
TOTAL,		\$860.37	\$860.37	
<u>ARCTIC IRON CO.</u>				
Real Estate,	\$759.46	\$235.23		\$524.23
<u>MICHIGANME COMPANY,</u>				
Real Estate,	\$1,244.91	\$1,291.55	\$46.64	
<u>ST. CLAIR STEAMSHIP CO.</u>				
Steamer "KALIYUGA"	\$232.75	\$705.88	\$473.13	
Schooner "FONTANA"	185.00	95.00		\$90.00
TOTAL,	\$417.75	\$800.88	\$383.13	
<u>HOPKINS STEAMSHIP CO.,</u>				
Steamer "CENTURION",	\$417.75	\$1,102.32	\$684.57	
<u>MUNISING COMPANY,</u>				
Real Estate,		\$7,086.65	\$7,086.65	
<u>LAKE SUPERIOR & ISHPEMING R'Y CO.</u>				
	\$4,190.39	\$5,988.97	\$1,798.58	
<u>MUNISING RAILWAY COMPANY,</u>				
		\$2,472.33	\$2,472.33	
<u>GRAND TOTAL,</u>				
	\$56,906.23	\$76,127.62	\$19,221.39	

THE CLEVELAND-CLIFFS IRON CO.

COMPARATIVE STATEMENT OF TAXES FOR THE YEARS ENDING NOV. 30, 1899 & 1900.

	1899	1900	INCREASE	DECREASE
<u>THE CLEVELAND-CLIFFS IRON CO.</u>				
Personal Taxes,	\$103.64	\$186.51	\$82.87	
Real Estate Taxes,		2,562.92	2,562.92	
Steamer "PIONEER"	385.86	195.83		\$190.03
" "CADILLAC"	367.05	186.51		180.54
Gladstone Lots and Lands,	6,091.99	6,534.95	442.96	
TOTAL,	\$6,948.54	\$9,666.72	\$2,718.18	
<u>THE CLEVELAND IRON MINING CO.</u>				
Personal Taxes,		\$215.60	\$215.60	
Mine Taxes,	\$19,487.76	\$22,350.50	2,862.74	
Steamer "PONTIAC"	587.25	298.42		288.83
" "FRONTENAC"	495.50	251.78		243.72
Taxes, Marquette property,	60.60	41.17		19.43
Land Department Taxes,	687.62	662.45		25.17
TOTAL,	\$21,318.73	\$23,819.92	\$2,501.19	
<u>IRON CLIFFS COMPANY.</u>				
Mine Taxes,	\$13,468.26	\$13,212.95		\$255.31
Land Department Taxes,	2,140.44	2,589.73	\$1,449.29	
TOTAL,	\$21,608.70	\$22,802.68	\$1,193.98	
<u>PIONEER IRON CO.,</u>				
Carp River Furnace,		\$312.08	\$312.08	
Real Estate,		548.29	548.29	
TOTAL,		\$860.37	\$860.37	
<u>ARCTIC IRON CO.</u>				
Real Estate,	\$759.46	\$235.23		\$524.23
<u>MICHIGAMME COMPANY,</u>				
Real Estate,	\$1,244.91	\$1,291.55	\$46.64	
<u>ST. CLAIR STEAMSHIP CO.</u>				
Steamer "KALIYUGA"	\$232.75	\$705.88	\$473.13	
Schooner "FONTANA"	185.00	95.00		\$90.00
TOTAL,	\$417.75	\$800.88	\$383.13	
<u>HOPKINS STEAMSHIP CO.,</u>				
Steamer "CENTURION",	\$417.75	\$1,102.32	\$684.57	
<u>MUNISING COMPANY,</u>				
Real Estate,		\$7,086.65	\$7,086.65	
<u>LAKE SUPERIOR & ISHPEMING R'Y CO.</u>				
	\$4,190.39	\$5,988.97	\$1,798.58	
<u>MUNISING RAILWAY COMPANY,</u>				
		\$2,472.33	\$2,472.33	
GRAND TOTAL,	\$56,906.23	\$76,127.62	\$19,221.39	

THE CLEVELAND-CLIFFS IRON CO.

COMPARATIVE STATEMENT OF TAXES FOR THE YEARS ENDING NOV. 30, 1899 & 1900.

	1899	1900	INCREASE	DECREASE
THE CLEVELAND-CLIFFS IRON CO.				
Personal Taxes,	\$103.64	\$186.51	\$82.87	
Real Estate Taxes,		2,562.92	2,562.92	
Steamer "PIONEER"	385.86	195.83		\$190.03
" "CADILLAC"	367.05	186.51		180.54
Gladstone Lots and Lands,	6,091.99	6,534.95	442.96	
TOTAL,	\$6,948.54	\$9,666.72	\$2,718.18	
THE CLEVELAND IRON MINING CO.				
Personal Taxes,		\$215.60	\$215.60	
Mine Taxes,	\$19,487.76	\$22,350.50	2,862.74	
Steamer "PONTIAC"	587.25	298.42		288.83
" "FRONTENAC"	495.50	251.78		243.72
Taxes, Marquette property,	60.60	41.17		19.43
Land Department Taxes,	687.62	662.45		25.17
TOTAL,	\$21,318.73	\$23,819.92	\$2,501.19	
IRON CLIFFS COMPANY.				
Mine Taxes,	\$13,468.26	\$13,212.95		\$255.31
Land Department Taxes,	8,140.44	9,589.73	\$1,449.29	
TOTAL,	\$21,608.70	\$22,802.68	\$1,193.98	
PIONEER IRON CO.,				
Carp River Furnace,		\$312.08	\$312.08	
Real Estate,		548.29	548.29	
TOTAL,		\$860.37	\$860.37	
ARCTIC IRON CO.				
Real Estate,	\$759.46	\$235.23		\$524.23
MICHIGAMME COMPANY,				
Real Estate,	\$1,244.91	\$1,291.55	\$46.64	
ST. CLAIR STEAMSHIP CO.				
Steamer "KALIYUGA"	\$232.75	\$705.88	\$473.13	
Schooner "FONTANA"	185.00	95.00		\$90.00
TOTAL,	\$417.75	\$800.88	\$383.13	
HOPKINS STEAMSHIP CO.,				
Steamer "CENTURION",	\$417.75	\$1,102.32	\$684.57	
MUNISING COMPANY,				
Real Estate,		\$7,086.65	\$7,086.65	
LAKE SUPERIOR & ISHPIEMING R'Y CO.				
	\$4,190.39	\$5,988.97	\$1,798.58	
MUNISING RAILWAY COMPANY,				
		\$2,472.33	\$2,472.33	
GRAND TOTAL,	\$56,906.23	\$76,127.62	\$19,221.39	

The Cleveland-Cliffs Iron Co.

Comparative statement of Taxes
Years 1899-1900.

ANNUAL STATEMENT OF TAXES FOR THE YEARS ENDING NOV. 30, 1899 & 1900.

THE CLEVELAND-CLIFFS IRON CO.

	1899	1900	INCREASE	DECREASE
GRAND TOTAL	\$2,606.33	\$6,154.63	\$10,351.30	
MUNICIPAL RAILWAY COMPANY	\$3,443.33	\$5,443.33		
LAKE SUPERIOR & ILLINOIS R.R. CO.	\$4,160.33	\$2,888.24	\$1,272.09	
Real Estate		\$1,086.62	\$1,086.62	
MUNICIPAL COMPANY				
Steamer "CENTURION"	\$416.42	\$7,708.33	\$684.24	
HOKING STEAMSHIP CO.				
TOTAL	\$416.42	\$800.88	\$384.46	
Engineer "JOHN W."	188.00	82.00		\$106.00
Steamer "KILLISNOA"	\$338.42	\$702.88	\$364.46	
ST. CLAIR STEAMSHIP CO.				
Real Estate	\$1,844.67	\$1,367.22	\$477.45	
MICHIGAN COMPANY				
Real Estate	\$450.66	\$332.33	\$118.33	
ARCTIC IRON CO.				
TOTAL	\$900.34	\$680.24	\$220.10	
Real Estate	248.32	248.32		
Carb River Business	\$318.08	\$318.08		
PIOMBER IRON CO.				
TOTAL	\$31,608.40	\$33,803.68	\$2,195.28	
Land Department Taxes	8,140.44	8,288.43	\$147.99	
Mine Taxes	\$13,488.36	\$13,518.25	\$29.89	
IRON CLIFFS COMPANY				
TOTAL	\$31,318.33	\$33,619.63	\$2,301.30	
Land Department Taxes	684.63	683.42		\$1.21
Taxes, Maritime Property	60.40	47.14		\$13.26
" " " " " " " "	482.20	827.48		\$345.28
Special, ABONITIC	284.32	336.42		\$52.10
Mine Taxes	\$13,488.46	\$13,320.20	\$168.26	
Personal Taxes		\$372.60	\$372.60	
THE CLEVELAND IRON MINING CO.				
TOTAL	\$6,048.24	\$6,662.43	\$614.19	
Cleveland Lode and Lumps	6,048.24	6,224.32	176.08	
" " " " " " " "	384.02	122.83		\$261.19
Steamer, ABONITIC		\$1,293.63	\$1,293.63	
Real Estate Taxes	\$103.64	\$136.27	\$32.63	
Personal Taxes				

The Cleveland-Cliffs Iron Co.

Statement showing amount and cost of
Coal used, and Pounds of Coal per Ton of
Ore, at various mines for the year ending
November 30th 1900.

	Product	Tons Coal.	Price	Amount.	Pounds Coal. Per Ton of ore
Moro.	74459	3493	28.91	10102.50	93.82
Lake	497.704	7514	26.75	19775.68	30.22
Cliffs Shaft.	764330	8195 ³ / ₄	27.77	22759.37	62.02
Salisbury	160.635	3514	27.81	9769.80	43.78
Ashland-					
<u>Total</u>	996628	77716 ³ / ₄	27.45	62357.30	45.58

per ton of Ore
year ending.

Nov 30. 1900.

- 1 Big Iron Cost Sheet
- 2 " " " 6 1/2 Mos to Apr 30
- 3 " " " 7 " " (Nov. 30)
- 4 " " Stock Report, Weekly
- 5 Weekly " "
- 6 Statement of Diamond Drilling
- 7 Analysis of Surplus Account.
- 8 Report of W. W. Gray, Mgr

PIONEER IRON COMPANY.

CARP RIVER FURNACE DEPARTMENT.

Pig Iron Cost Sheet.

13 1/2 Months *to Nov 30* 190*0*

Number of Blast Tons made this Blast.	Tons Produced 1 month.....				
	Tons Produced <i>13 1/2</i> months. <i>15204</i>				
	LABOR	SUPPLIES	TOTAL	COST PER TON	
				1 month	13 1/2 months
GENERAL EXPENSE					
Insurance		1139 44	1139 44		028
Taxes		674 00	674 00		045
Analysis	860 00	310 28	1170 28		077
Salaries and other Expenses	3657 50	679 00	4336 50		285
Total	4527 50	2102 68	6630 18		435
MAINTENANCE					
Tracks and Yard		10 83	10 83		007
Trestles and Dock	41 05	11 23	52 28		003
Buildings	296 04	1035 53	1331 57		087
Machinery	59 20	427 51	486 71		032
Tuyeres		95 69	95 69		007
Relinings and Renewals	87 55	1520 40	1607 95		106
Water Supply		80 90	80 90		005
Total	483 84	3182 11	3665 95		241
OPERATING					
Machinery	1935 93	724 67	2660 60		175
Electric and other Light		444 38	444 38		030
Bottom Fillers	1190 28		1190 28		078
Top Fillers	1594 81		1594 81		105
Handling Iron	2268 05		2268 05		149
Handling Cinder	1276 12		1276 12		084
Weighing and Grading Iron	889 20		889 20		058
Blacksmith		23 53	23 53		001
Founders, Keepers and Helpers	5771 59		5771 59		380
Carpenter	301 45		301 45		019
Coal Forkers	1466 91		1466 91		096
General Labor	2508 86	10 90	2519 76		166
Casting Tools		314 79	314 79		020
Sand and Clay		86 72	86 72		005
Barn Expense		153 51	153 51		010
Fuel		498 59	498 59		033
Total	22915 80	2267 09	25182 89		1656
STOCK USED					
Ore		411 18	411 18		027
Charcoal		81548 80	81548 80		5363
Limestone		114388 52	114388 52		7523
Total		246774	246774		195
Total		199311 24	199311 24		13103
Cost of Production.					
Total		206863 12	206863 12		15460
DEPRECIATION					
Construction Account <i>New Hot Blast</i>		2158 28	2158 28		142
Improvement Account <i>See Saw age</i>		135 10	135 10		010
Total		2293 38	2293 38		152
Total Cost on Yard.					
Total		22917 14	209156 50	237073 64	15572
LOADING AND SWITCHING					
Loading Cars	Tons	623 87	626 5	686 52	045
Switching			440 00	440 00	106
Total Loading Cars.		623 87	728 65	2906 52	191
Loading Vessels	Tons		155 00	155 00	030
Grand Total 1 month		623 87	3087 65	3661 52	241
" <i>13 1/2</i> months		28541 01	212194 15	240735 16	15833
Construction Acc't not sunk off					
Improvement Acc't not sunk off					

Summary of Cost per Ton.

	On Yard	On Cars	On Vessel
Cost on yard, as above	15,592	15,592	15,592
Cost to load, as above		045	
Total			
Commissions and Expenses, Cleveland Office			
Total Cost			

Stock Used.

Yield.

Ore	Tons	Price	Amount	Cost per Ton	Percent of Ore used		1 month	13 1/2 months
<i>Hot</i>	2038-2120	4 08	8318 90	547	070	Average yield of Ore		5678
<i>Bye</i>	1449-320	3 08	6000 07	395	068	Bush. Coal per Ton		9285
<i>Hartford</i>	478-1120	2 37	1136 46	075	016	Lbs. Flux per Ton		176
<i>Ohio Shaft</i>	61-1850	3 50	216 39	044	007			

Number of Blast Tons made this Blast	Tons Produced 1 month..... 137		Tons Produced 13 1/2 months..... 15204		
	LABOR	SUPPLIES	TOTAL	COST PER TON	
				1 month	13 1/2 months
GENERAL EXPENSE					
Insurance		439 44	439 44		028
Taxes		674 00	674 00		045
Analysis	860 00	310 24	1170 24		077
Salaries and other Expenses	3657 50	679 00	4336 50		285
Total	4517 50	2102 68	6620 18		435
MAINTENANCE					
Tracks and Yard		10 85	10 85		003
Trestles and Dock	41 05	11 23	52 28		003
Buildings	296 04	1035 53	1331 57		087
Machinery	59 20	427 51	486 71		032
Tuyeres		95 69	95 69		007
Relinings and Renewals	87 55	1520 40	1607 95		106
Water Supply		80 90	80 90		005
Total	482 84	3182 11	3665 95		241
OPERATING					
Machinery	1935 93	724 67	2660 60		175
Electric and other Light		444 38	444 38		030
Bottom Fillers	1492 88		1492 88		095
Top Fillers	1594 81		1594 81		105
Handling Iron	2268 05		2268 05		149
Handling Clinker	1276 12		1276 12		084
Weighing and Grading Iron	889 20		889 20		057
Blacksmith		23 53	23 53		001
Founders, Keepers and Helpers	5771 59		5771 59		350
Carpenter	301 45		301 45		019
Coal Forkers	1466 91		1466 91		096
General Labor	2508 86	10 90	2519 76		166
Casting Tools		344 79	344 79		020
Sand and Clay		86 72	86 72		005
Barn Expense		153 57	153 57		010
Fuel		498 59	498 59		033
Total	22915 80	2267 09	25182 89		1636
STOCK USED					
Ore		411 18	411 18		027
Charcoal		81548 80	81548 80		5363
Limestone		14388 52	14388 52		7573
		296274	296274		195
Total		144311 24	144311 24		13408
Cost of Production.					
		27917 14	206863 12	234780 26	15460
DEPRECIATION					
Construction Account	New Hot Blast		2158 28	2158 28	142
Improvement Account	See Invoice		135 10	135 10	010
Total			2293 38	2293 38	152
Total Cost on Yard.					
		27917 14	209156 50	237073 64	15597
LOADING AND SWITCHING					
Loading Cars	Tons	623 87	626 5	686 52	045
Switching			2220 00	2220 00	146
Total Loading Cars.		623 87	2287 65	2406 52	191
Loading Vessels	Tons		155 00	155 00	050
		623 87	3037 65	3661 52	241
Grand Total 1 month					
" " 13 1/2 months		28344 01	212194 15	240735 16	15833
Construction Acc't not sunk off					
Improvement Acc't not sunk off					

Summary of Cost per Ton.

	On Yard	On Cars	On Vessel
Cost on yard, as above	15.592	15.592	15.592
Cost to load, as above		0.45	
Total			
Commissions and Expenses, Cleveland Office			
Total Cost			

Stock Used.

Yield.

Ore	Tons	Price	Amount	Cost per Ton	Percent of Ore used		1 month	13 1/2 months
Hot	2038-2120	4.08	8318.90	5.47	0.70	Average yield of Ore		52.78
Hot	1949-370	3.08	6000.07	3.95	0.68		Bush. Coal per Ton	92.85
Hotford	478-1120	2.57	1136.46	0.75	0.16	Lbs. Flux per Ton	176	
Cliff Shaft	61-1850	3.50	216.39	0.44	0.07			
Old yard	1950-2000	2.85	5560.03	3.66	0.67			
Spoke	14156-1820	2.85	40345.66	7.65	1.49			
Schubert	5385-1068	2.85	15349.68	1.01	1.87			
See 13	2458-546	1.68	4109.29	2.69	0.86	Cost per Ton for Labor, 1 month		
East fraction	341-1530	1.50	512.57	0.34	0.12	" " " " 13 1/2 months	1.87	
Total	28201-1174	2.85	81548.80	5.36	1.00			
Limestone	1195-157	2.48	2467.44	1.45				
Charcoal	141176.6 Bush	7.57	14388.52	7.57				

PIONEER IRON CO.

Sharp River Furnace Department.

PIG IRON COST SHEET.

132 2002 to Nov 30/1904
..... 190.....

PIONEER IRON COMPANY.

CARP RIVER FURNACE DEPARTMENT.

Pig Iron Cost Sheet.

6 1/2 Months to April 30, 1903.

Number of Blast Tons made this Blast	Tons Produced 1 month..... Tons Produced 6 1/2 months.....				
	LABOR	SUPPLIES	TOTAL	COST PER TON	
				1 month	6 1/2 months
GENERAL EXPENSE					
Insurance		207 03	207 03		031
Taxes		370 00	370 00		056
Analysis	145 00	218 98	223 98		095
Salaries and other Expenses	1648 50	394 69	2043 19		310
Total	2053 50	1190 70	3244 20		498
MAINTENANCE					
Tracks and Yard		10 83	10 83		001
Trestles and Dock					
Buildings	13217	683 18	815 35		124
Machinery		200 42	200 42		030
Tuyeres		76 25	76 25		012
Relinings and Renewals		658 60	658 60		100
Water Supply		28 88	28 88		004
Total	13217	1658 16	1790 53		271
OPERATING					
Machinery	947 93	559 26	1507 19		229
Electric and other Light		241 90	241 90		037
Bottom Fillers	2065 58		2065 58		314
Top Fillers	759 01		759 01		115
Handling Iron	977 00		977 00		148
Handling Cinder	587 40		587 40		089
Weighing and Grading Iron	397 00		397 00		061
Blacksmith		12 45	12 45		002
Founders, Keepers and Helpers	2319 13		2319 13		353
Carpenter	228 00		228 00		034
Coal Furkers	743 31		743 31		113
General Labor	1280 59	1090	1291 49		196
Casting Tools		220 23	220 23		034
Sand and Clay		43 25	43 25		006
Barn Expense		75 26	75 26		011
Fuel		234 78	234 78		036
Total	10304 95	1398 03	11702 98		1778
STOCK USED					
Ore		3786 93	3786 93		5750
Charcoal	495252 Bush	54236 79	54236 79		8235
Limestone		1258 56	1258 56		191
Total		93362 28	93362 28		14176
Cost of Production.					
	12490 62	97609 17	110099 79		16717
DEPRECIATION					
Construction Account					
Improvement Account		13510	13510		040
Total Cost on Yard.					
LOADING AND SWITCHING					
Loading Cars	Tons				
Switching					
Total Loading Cars.					
Loading Vessels	Tons				
Grand Total 1 month					
" " " " " 6 1/2 months					
		12490 62	97609 17	110099 79	16717
Construction Acc't not sunk off					
Improvement Acc't not sunk off					

Summary of Cost per Ton.

	On Yard	On Cars	On Vessel	
Cost on yard, as above				
Cost to load, as above				
Total				
Commissions and Expenses, Cleveland Office				
Total Cost				

Stock Used.

Ore	Tons	Price	Amount	Cost per Ton	Percent of Ore used	Yield.	
						1 monthmonths
						Average yield of Ore	
						Bush. Coal per Ton	
						Lbs. Flux per Ton	
Total							
Limestone						Cost per Ton for Labor, 1 month	
Charcoal						" " " " "months	

PIONEER IRON CO.

Carp River Furnace Department.

PIG IRON COST SHEET.

6 2 Mos to Apr 30/1900
Month of 190...

PIONEER IRON COMPANY.

CARP RIVER FURNACE DEPARTMENT.

Pig Iron Cost Sheet.

7 Months *To Nov 30* 190*0*

	Tons Produced 1 month.....		Tons Produced <i>7</i> months.....		
Number of Blast					
Tons made this Blast					
	LABOR	SUPPLIES	TOTAL	COST PER TON	
				1 month <i>7</i> months	
GENERAL EXPENSE					
Insurance		23241	23241	027	
Taxes		50400	50400	035	
Analysis	15500	9126	54626	063	
Salaries and other Expenses	200900	28431	229331	266	
Total	246400	91198	337598	391	
MAINTENANCE					
Tracks and Yard					
Trestles and Dock	1105	1123	5228	006	
Buildings	16387	35237	51624	060	
Machinery	5920	22709	28629	033	
Tuyeres		1944	1944	002	
Belings and Renewals	8755	86180	94935	110	
Water Supply		5202	5202	006	
Total	35167	152395	187562	217	
OPERATING					
Machinery	98800	17041	115841	1344	
Electric and other Light		20718	20748	024	
Bottom Fillers	283730		283730	3292	
Top Fillers	83580		83580	099	
Handling Iron	129105		129105	1498	
Handling Clader	68872		68872	0799	
Weighing and Grading Iron	49220		49220	0571	
Blacksmith		1108	1108	0017	
Founders, Keepers and Helpers	345211		345211	4006	
Carpenter	7345		7345	0082	
Coal Forkers	72360		72360	0829	
General Labor	122827		122827	1472	
Casting Tools		9456	9456	0109	
Sand and Clay		4347	4347	0050	
Barn Expense		7825	7825	0090	
Fuel		26381	26381	0306	
Total	1261085	86906	1347991	1564	
STOCK USED					
Ore		41118	41118	048	
Charcoal	<i>791828 Bush</i>	6015773	6015773	6980	
Limestone		170418	170418	197	
Total		10594876	10594896	12244	
Cost of Production.					
		10925395	12468047	14466	
DEPRECIATION					
Construction Account <i>New Hot Blast</i>		215828	215828	250	
Improvement Account					
Total		215828	215828	250	
Total Cost on Yard.					
		11141223	12683875	14710	
LOADING AND SWITCHING					
Loading Cars	Tons	62387	6265	68652	079
Switching			222000	222000	258
Total Loading Cars.					
Loading Vessels	Tons	62387	228265	290652	337
			75500	75500	087
		62387	303765	366152	424
Grand Total 1 month					
" " 7 months					
		1605039	14614988	13050027	15140
Construction Acc't not sunk off					
Improvement Acc't not sunk off					

Summary of Cost per Ton.

	On Yard	On Cars	On Vessel
Cost on yard, as above			
Cost to load, as above			
Total			
Commissions and Expenses, Cleveland Office			
Total Cost			

Stock Used.

Yield.

Ore	Tons	Price	Amount	Cost per Ton	Percent of Ore used	1 month	7 months
						Average yield of Ore	
						Bush. Coal per Ton	
						Lbs. Flux per Ton	
						Cost per Ton for Labor, 1 month	
						" " " " " " 7 months	
Limestone							
Charcoal	Bush.						

PIONEER IRON CO.

Camp River Furnace Department.

PIG IRON COST SHEET.

From to *Nov 3, 1900*
190...

PIONEER IRON COMPANY.

CARP RIVER FURNACE DEPARTMENT.

PIG IRON STOCK REPORT FOR THE WEEK ENDING

Nov 30

1900

Inventory

PIG IRON GRADES.	Total For Week.	Previous For Month.	Total For Month.	Over and Short.	Total from Dec. 1, 1900 <i>May 1, 1900</i>	Transfers.	In Stock Dec. 1, 1900 <i>May 1, 1900</i>	Total.	Shipped since Dec. 1, 1900 <i>May 1, 1900</i>	Balance On Hand.
A Scotch.		28	28		46		16	62	44	18
B Scotch.		17	17		60		45	85	85	
No. 1 Soft.		41	41		137		25	162	171	41
No. 1 Special.					62		68	130	130	
No. 1 Foundry.	34	73	107		589		210	799	679	120
No. 2 Low.	94	126	220		813		136	949	734	215
No. 2 High.	124	81	205	5	812		435	1247	1084	163
No. 2 Low.	61	68	129		929		259	1188	1072	116
No. 3 High.	55	126	181		1691		250	1941	1839	102
No. 3 Malleable.							37	37	25	12
No. 4 Low.	27	43	70	2	857		45	902	900	57
No. 4 High.	11	43	54	3	944		82	1026	988	38
No. 4 Malleable.										
No. 5	11	98	109	1	1136		74	1210	1062	148
No. 6		18	18		542		31	573	477	96
Bessemer.										
Bessemer.										
Bessemer.										
TOTAL,	417	762	1179	11	8618		1743	10361	9240	1121

Pioneer Iron Company,

Carp River Furnace Department.

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PIG IRON STOCK REPORT.

For the week ending Nov 30/1900

PIONEER IRON COMPANY.—CARP RIVER FURNACE DEPARTMENT.

Stock Report for the Week Ending

Nov 30

1900

	Total for Week.	Previous for Month.	Total for Month.	Total from Dec. 1st, 1900	In Stock Dec. 1st, 1900	TOTAL.	Shipped or used since Dec. 1st, 1900	Balance on Hand.
Ore.				May 1-1900	May 1-1900		May 1-1900	
Lake Ore.	117-890	463-1190	575-1180	5633-1160	854-930	6485-1390	6327-1424	66-1100
Lake "							1418-1430	
Lake Bessemer "							6418-1430	
Salisbury "	319-310	311-2160	631-230	5640-2170		5640-2170	5300-198	140-1927
Salisbury "								
Foster "								
Cliffs Shaft "					5-1120	5-1120	5-1120	
Richford "				1950-2000		1950-2000	1950-2000	
Pike "					192-1870	192-1870	192-1870	
Jackson "					356-870	356-870	198-160	158-710
Dec 17 "	225-1560	348-1430	624-750	2795-1580		2795-1580	2438-546	357-1034
Total.	657-570	1174-440	1831-920	5870-1680	1407-310	17227-1990	16504-604	723-1386
Charcoal Bushels.	37388	71890	109278	791828	2000	793828	791828	2000
Limestone Tons.			83-1130	997-970	254-795	1246-1765	700-1990	545-7015

THE
Pioneer Iron Company,
CARP RIVER FURNACE.

STOCK REPORT FOR WEEK ENDING

Nov 30 190*d*

P I O N E E R I R O N C O .

Statement of Diamond Drilling, November 30th, 1900.

<u>DRILLING.</u>	<u>Days</u>	<u>Amount</u>	<u>Cost Pr. Ft.</u>
Labor	2699	5941.16	1.41
<u>SUPPLIES.</u>			
Fuel, Waste, Oil Etc.		2615.94	.62
Carbon 216 58/64 Karets @ 41.10		8896.83	2.11
Total Supplies	2699	11512.77	2.73
Total Drilling Cost	2699	17453.93	4.14
<u>SETTING UP & SINKING STAND PIPE.</u>			
Foreman, Runners & Helpers	354	822.58	.20
Rent on Drills, Etc.		1285.03	.30
Supplies		257.93	.06
Total Per Foot Drilled	354	2365.54	.56
<u>Grand Total Cost</u>	3053	19819.47	4.70
Total Number of feet drilled	4210		
Average feet per day of 10 hrs.	1350	3.12'	
Average feet per man per day	2699	1.56'	
Feet per Karat Carbon		19.4'	
Average Cost for Carbon per Karet		41.10	
Feet per man per day includes time of Foreman & setter			
<u>STAND PIPE.</u>			
Feet of Stand Pipe Sunk		122'	
Cost for labor and supplies		1080.50	
Cost per foot		8.85	
Feet Stand Pipe per man per day	.345	XXXX	

Pioneer Iron Co.

Profit & Loss ac

Rent Excelsior Fee	100	00		Sales of Charcoal ✓	150
General Expense	89	75		Del. of Pig Iron ✓	199,586.67
Legal "	18	10	14	Misc Rents ✓	500
Genl Ins	3,287	00			385.06
Op. Fee	241,735	16		Penalties & Bonuses	
Commissions	3,546	44		Ins. Pig Iron ✓	109,273.45
Rail Inv	9,630	90			307,251.68
Cargo Ins	201	30			
Lake Inv	6,858	75			
Dkg & Hdq	1,592	60			
Explorations Test Pitting	17,037	79	-		
" Drill	19,819	47	-		
G. Exp (Mine)	2,591	07	-		
Exp of Experts	243	80	-		
	308,544	17			
S & G	24,917	63			
	333,461	80			
	307,251	68			
	26,210	12			

44,979.03 ✓
 396,922.13

 5,286.89

Peer Iron Co.

Analysis of Surplus

Account

Nov 30, 1900

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REPORT OF
PIONEER IRON COMPANY,
CARP RIVER FURNACE DEPARTMENT,
FOR 13-1/2 MONTHS ENDING NOVEMBER 30, 1900.



NOAH W. GRAY, MANAGER.



PAPER
U.S.A.

I N D E X.

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Mr. Wm. G. Mather,

Vice-President, Pioneer Iron Co.,

Cleveland, Ohio.

Dear Sir:-

I beg to submit statement showing the operations and condition of the Carp River Furnace for the thirteen and one-half months ending Nov. 30, 1900.

There was manufactured in this time 15204 gross tons of pig iron, at a cost of \$ 15.637 per gross ton, on cars and yard at furnace. In addition there was expended \$2220.00 for switching and dockage and \$755.00 for loading vessels, which brought the total cost up to \$15.833 per gross ton.

The furnace was shut down during the 13½ months, not counting stops for casting, thirty-one days, twenty days for sundry repairs, and eleven days on account of short supply of charcoal. About August 1st Mr. Schaffer's locomotive broke down and made a delay of nine days at the furnace.

I attach hereto a statement of cost, having separated and analyzed the general accounts, and showing the cost of various items per ton.

BETTERMENTS:

The machinery has been strengthened in all the weak places during the year, which has made it possible to drive the furnace faster and make more iron than has ever before been made at this furnace. Heretofore this plant has never made an average of more than 28 to 30 tons, while it has averaged 40-11/100 tons for the whole term of this blast, not counting days stopped.

No. 2 Hot Blast renewed.

The iron pipes have been entirely renewed in this hotblast, at a cost of \$2158.28, and it is giving good results in its use.

Some of the pipes in No. 1 Hot Blast have been renewed as they have given out, the old iron in it having been, apparently, burnt out.

I have been obliged to make considerable repairs to this hot blast, the construction of same being of such character that it will not stand the heat applied to the pipes. However, none of the pipes made from our own iron have given out, and I conclude that the old ones have been overheated at some former blast, making the pipes weak .

BOILER PLANT:

It will be necessary to replace the old marine boiler now in use with either two new two-flue boilers or one good water-tube boiler. I do not know of any other general or expensive changes which will have to be made.

From present appearance the furnace should run through another year, without blowing out. The only weak spot seems to be in the brick work of the bosh, just above the water jackets. There is a space of about two feet not protected with water jackets, and it is possible that this might get hot enough at some time to burn through. If this should occur at any time, I believe, by having the brick for a new bosh on hand, we could relay this bosh from the tuyeres up, and start up again within two weeks from the time of blowing out. I would recommend, therefore, that these brick be purchased and kept on hand for this purpose.

I send inventory under another cover, including description of the land and buildings on the property.

Respectfully,

Asah Whitney
Manager.

SUMMARY OF COST OF 15204 TONS "EXCELSIOR" PIG IRON FOR 13-1/2 MONTHS
ENDING NOV. 30, 1900.

-----:X:-----

GENERAL EXPENSE:

<u>TAXES,</u>	<u>Per Ton.</u>	
	.045	\$ 674.00

For 1900, including rent,
\$187.50, for 1½ months, paid
Carp River Furnace Co.

<u>INSURANCE:</u>	.028	439.44
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Fire, Liability and Boiler.

<u>ANALYSIS,</u>	.077	1170.24
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Salary of Chemist,	860.00	.057	
Supplies and De- preciation,	<u>310.24</u>	.020	

<u>OFFICE,</u>	.285	4336.50
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Salaries,	3657.50	.241	
Telephones,	66.51	.004	
Stationery, & c.,	214.11	.014	
Postage,	33.09	.002	
Telegrams,	27.79	.002	
Use of Horse,	<u>337.50</u>	.022	

Total General Expense,	435 .435	\$6620.18
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4

MAINTENANCE:

TRACKS AND YARD?		Per Ton	
		.001	\$ 10.83
Repairs to Tracks.			
TRESTLES AND DOCK,		.003	52.28
Repairs,--Pay Roll,	41.05		
Lumber,	<u>11.23</u>		
BUILDINGS?		.087	1331.59
Repairs to No. 1 Hot Blast--			
Materials,	819.46		
Pay Roll,	<u>125.00</u>		
	944.46		
General Repairs--			
Pay Roll,	171.04		
Materials,	<u>216.09</u>		
MACHINERY,		.032	486.71
General Repairs,	427.51		
Pay Roll,	<u>59.20</u>		
TUYERES BOUGHT,		.007	95.69
RELININGS AND RENEWALS,		.106	1607.95
10¢ per ton on product,	1520.40		
Pay Roll,	<u>87.55</u>		
WATER SUPPLY,		.005	80.90
New Hose,	44.00		
Pipe and other material,	<u>36.90</u>		
<u>Total Maintenance,</u>	- - -	.241	\$3665.95

OPERATING:

		<u>Per Ton.</u>	
MACHINERY,		.175	\$2665.60
Pay Roll,	1935.93	.127	
Oils, &c.,	177.22	.012	
Boiler Compound,	28.80	.002	
Materials for Re- pairs, &c.,	<u>523.65</u>	<u>.034</u>	
Electric and other Light,		.030	449.38
Bottom Fillers,	Pay Roll,	.325	4902.88
Top Fillers,	" "	.105	1594.81
Handling Iron,	" "	.149	2268.05
Handling Cinder,	" "	.084	1276.12
Weighing and Grading Iron,	" "	.058	889.20
Blacksmith, Coal Bought,		.001	23.53
Founders, Keepers and Helpers,	Pay Roll,	.380	5771.59
Carpenter,	" "	.019	301.45
Coal Forkers,	" "	.096	1466.91
General Labor,		.166	2519.76
Pay Roll,	2508.86		
Dynamite,	<u>10.90</u>		
Casting Tools,		.020	314.79
Tools and Materials bought,			
Sand and Clay,		.005	86.72
Clay bought.			
Barn Expense,		.010	153.51
Feed, &c., for Horse.			
Fuel,		.033	498.59
Used under Boilers, &c.			
Total Operating,		<u>1.656</u>	<u>\$25182.89</u>

STOCK USED:

Scrap from No. 2 Hot Blast, Per Ton .027 \$ 411.18

ORES:

Globe,	2038-2120 tons,	@\$4.08,	.547	\$ 8318.90
Pike,	1949- 320 "	3.08	.395	6000.07
Hartford,	478-1120 "	2.37½	.075	1136.46
Cliffs Shaft,	61-1850 "	3.50	.014	216.39
Bedford,	1950-2000 "	2.85	.366	5560.03
Lake,	14156-1820 "	2.85	2.653	40345.46
Salisbury,	5385-1068 "	2.85	1.010	15349.68
Section 12,	2438- 546 "	1.68	.269	4109.29
South Jackson,	341-1530 "	1.50	.034	512.52
	28801-1174 tons,	2.83	5.363	81548.80

Yield of Ore, 52.78 per cent.

CHARCOAL:

1411766 Bushels, @ .081+ 7.523 per ton, 114388.52
92-85/100 Bushels to ton of iron.

LIMESTONE:

1195-127 Gross Tons,	@\$2.48,	.195	2962.74
176 Lbs. per ton of iron.			
Total Stock Used,	- - -	\$13.108	\$199311.24

DEPRECIATION:

CONSTRUCTION, .152 \$2293.38

Net cost of New Hot Blast, 2158.28 .142
20% of Furnace Inventory, 135.10 .010

LOADING AND SWITCHING: .045 686.52

Loading Iron on Cars, 623.87
Paints for marking Iron, 62.65

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RECAPITULATION.

General Expense	.435		\$ 6620.18
Maintenance,	.241		3665.95
Operating,	1.656		25182.89
Stock Used,	13.108		199311.24
Depreciation,	.152		2293.38
Loading and Switching,	<u>.045</u>		<u>686.52</u>
Total cost of Iron on Yard and loaded on Cars,	\$15.637		\$237760.16
Loading and Switching,			2975.00
Switching Iron to Dock,	.146	2220.00	
Loading Vessels,	<u>.050</u>	<u>755.00</u>	
Totals,	\$15.833		\$240735.16

SUMMARY OF FURNACE REPORT:

28801-1174 tons of ore used.

52.78 Yield of ore.

1411766 Bus. of charcoal used.

92.85 Bus. charcoal to ton of iron.

1195-127 tons limestone used.

176 Lbs. per ton of iron.

410 days actually in blast.

31 days not running, for repairs and want
of charcoal, not counting stops for
_____ casting.

379 days actually running.

40-11/100 tons made each day running.

-----X-----

BYBER
L. ALBERT
BENKSHIB

