

AGENT'S ANNUAL REPORTS AND
STATISTICS

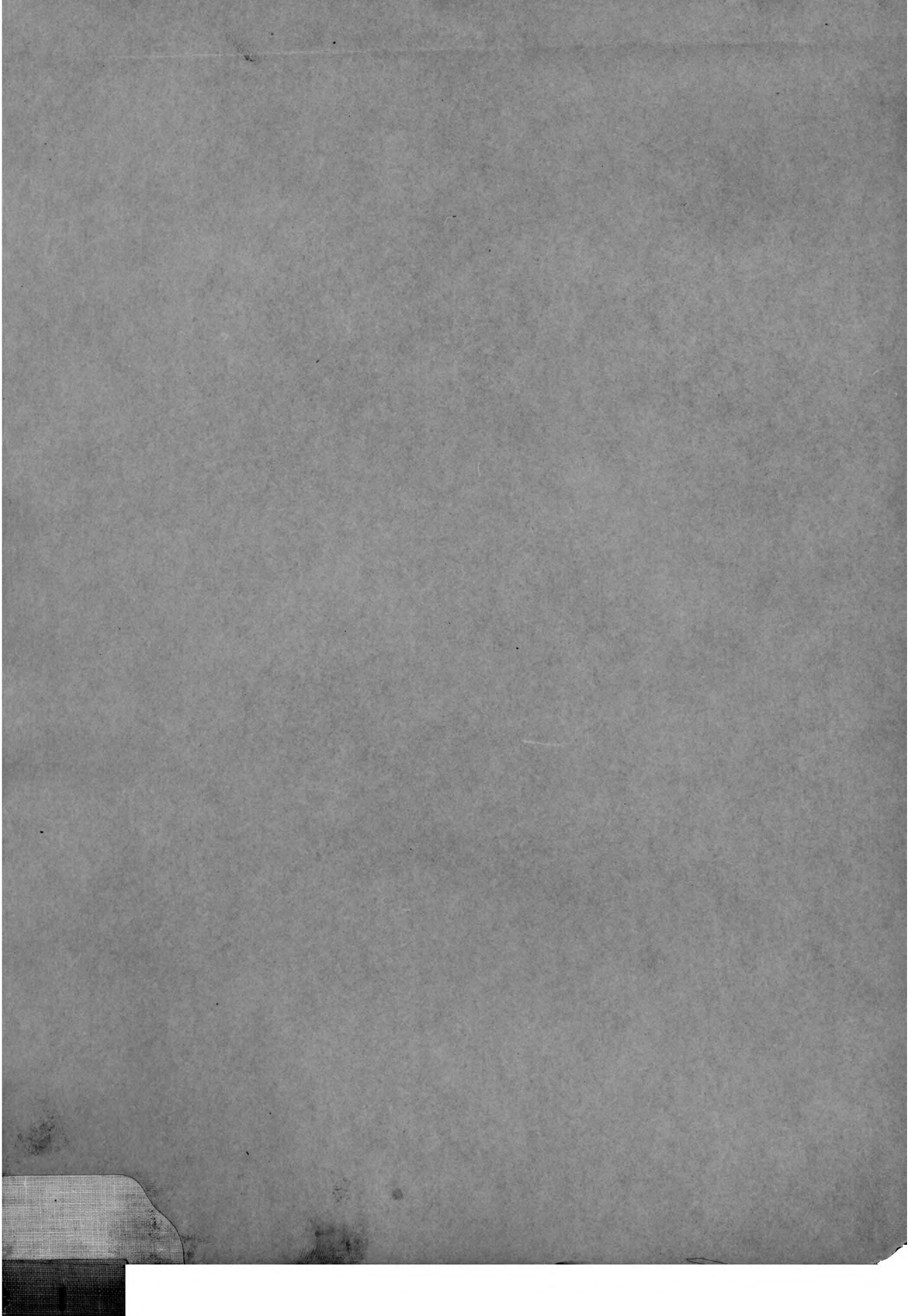
YEAR 1895.

MS 86-100
2061

ANNUAL REPORTS AND STATISTICS
DEPARTMENT OPERATIONS.
YEAR ENDING NOV. 30, 1895

I N D E X

1	✓	Mine Department. Agent's Annual Report Cleveland-Iron Mining Co.	1	✓
2	✓	" " " " Miscellaneous Data " " " "	2	✓
3	✓	" " " " Agent's Annual Report Iron Cliffs Co.	3	✓
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CLEVELAND IRON MINING COMPANY

ISHPEMING, MICHIGAN .

Report of Agent for Year ending November 30th, 1895.

CLEVELAND IRON MINING COMPANY.

ISHPEMING, MICHIGAN.

Report of Agent for year ending November 30th, 1895.

W. G. Mather Esq.,

President, Cleveland Iron Mining Co.,

Cleveland, Ohio.

Dear Sir:-

The detailed cost statements, copy of inventory and books of maps have been sent to you. Following is report of the work done during the past year and of the present condition of the property.

MORO MINE.

This Hard Ore Mine was shut down in June, 1892 and water is now within 35 feet of the top of the shaft. The mine is 708 feet deep and was producing at a rate of 75,000 tons per year.

Shipped during present year,	3,914 tons
In stock November 30th, 1895,	4,984 "
In sight underground,	100,000 "

No. 3 Mine.

This Hard Ore Mine was shut down in June 1892, excepting for one scam that was continued to September 1893. The water is now within 18,1-2 feet of the surface of the ground between the Incline and No. 3 Mine. The mine is 635 feet deep and was producing 95,000 tons of ore per year when stopped.

Shipped during present year,	5,156 tons.
In stock November 30th, 1895,	6,573 "
In sight underground,	150,000 "

There will be an excess of several thousand tons when the stock pile at this mine is all shipped.

INCLINE MINE

This Hard Ore Pit was shut down on May 1st 1894, is 500 feet deep and water has raised to same height as in the No.3 Mine, they being connected underground. There is no ore left in this mine except that in the pillars and of these a very full account will be found in the map book. The ore in stock at this mine was entirely cleaned up during the year.

	Bessemer.	Non Bessemer.	Total.
Shipped during present year,	10,544.	3,409.	13,953
Still left in pillars underground,	12,074.	26,988.	39,062

SAW MILL MINE.

This abandoned pit was mined from during the year, by a party of contract miners and they put up-

12,918 tons Hard Bessemer going 67.61 Iron and .036 phos.

365 " No.1 and Scotch.

Total of 13,283 ✓ " and there is probably as much more still left in the mine., in the remaining pillars and roof.

The estimate of 10,000 tons of a year ago is exceeded and is due

to the fact that considerable more ore was found on the south and east foot than we had figured to get.

The estimates of ore in sight in these hard ore mines is based on amount of ground opened up, surveys and comparisons of previous outputs.

Average number of men employed at the Hard Ore Mine for the year, loading stock pile, on surface and in the shop has been 48. ✓

HARD ORE MINES.

Total shipment during present year	36,306 tons.
" mined and excess during present year	27,236 ✓ "
In stock November 30th, 1895	11,557 "
In sight underground	289,000 "

CLEVELAND HEMATITE MINE

A year ago we estimated the ore left in this mine would last until June of this year and that we would get 50,000 tons
 We got through in July and produced 55,506 "

The ore in main deposit bottomed out on all sides and no continuation could be found of it. The west deposit was mined out to the bottom level and still goes down with an extreme size of about 26 by 100 feet, of ore going 61.30 and .079 and of itself is too small to work, having to stand all pumping charges and other costs of the mine.

All of the machinery and supplies from this mine has been brought in to the Hard Ore Mine, nothing remains but the buildings and the stock pile. This Hematite Mine is 1008 feet deep and is now filling

up. Before abandoning the property we had the following persons examine it. Cap't Thos Walters., Cap't Thos Buzzo., Cap't A.E. Buzzo., Cap't R.J.Williams., and the Mining Captain of the Lillie and Cambria, adjoining mines. They were all of the opinion that only thing to do was to shut down the mine.

Produced during the year	55,506 tons.
Shipped during the year	45,046 "
In stock November 30, 1895, ,	105,075 "

L A K E M I N E .

During the winter the surface was stripped from the East End and trammed underground to the rooms partially worked out between the second and third levels, nearly all of which are now filled. An open pit opened at this East End has produced some 77,764 tons during the summer and would have produced more except for the strike of 10 weeks duration that started in on July 15th. Considerable more ore will yet be taken from this open pit, it is expected that the walls will so freeze this winter that the ore on the hanging side can be undercut quite a little, and as ore extends down to the first level it should make quite an output and cheap. This open pit is not as large as had been hoped for, the capping extended east so far that it left a rim of ore along the south and south east that could

be stripped and worked, but along the north east and north sides the ore while showing as wide as 200 feet yet comes so far under the mud of the Lake bottom that it is impracticable to strip it. Estimate of ore at this East End will be exceeded but the amount to be obtained from the open pit will fall some short. Nearly all of this open pit ore has been low enough in phosphorous to mix with a proportion of the Lake Angeline Ore and make a Bessemer grade.

Very little work has been done at this East End outside of the open pit. A few drifts are down in the north side of the fold and show its dimensions and a couple of rooms are worked out at the East End close to the sand. The maps will show all this clearly. A rise was put up on north side of the 27th room in this north fold and intention was to hole it to surface and use it for lowering timber down into this part of the mine. The ore was found to come up to the sand and gravel underlaying the mud and when the rise reached the sand close to the mud it flowed down in the rise, blocked up these north drifts and flowed a distance of some 700 feet along the first level, stopping everything until cleaned up. No attempt has been made to reopen these drifts north of the 27th room rise but instead, are driving west from drifts east of them, and expect to get all of the ore by the caving system without disturbing the material now filling these north drifts.

At the north west side of the mine some work has been done from 9th to 16th rooms above the first level and in places as far up as the sand. It is the intention to get quite an area of the covering

of the ore, moving at this point, as ground is a little higher and more favorable than in other places for a trial of this character. The map shows the two sub levels opened at this place above the first level and also has dotted on it two places where ground has started to run from the surface.

The ore over the 14th room comes up to the sand and was mined out to this material before the ground was allowed to cave. So far there seems to be no trouble with the mud although at places over the 9th room this stuff can be seen and one drift was re-opened through it without trouble. There seems no danger from it if kept dry, and do not think any serious difficulty will be experienced with it.

The ore from the vicinity of the 9th room is Bessemer, as is also some of the ore from other places in this part of the mine.

On the first level no mining of any kind has been done during the year., a drift we think should be driven on the south west side of the mine to make connection with the south deposit and furnish another inlet from this part of the mine. The distance is only 150 feet and will be through ore.

Between the 1st and 2nd levels nearly all of the rooms that were partially worked out have been filled during the year. In order to obtain a little more Non Bessemer ore this Fall, a small amount of mining was done in rooms 2-3-6 and 7 North East, rooms 4-5-6-7-8 and 9 South East, rooms 1-3-4-6-7 and 17 North West, rooms 1-2-3-9-11 and 13

South West, as will show on maps. Have also put additional raise in room 5 North East from 2nd to 1st level and a raise in room 1 North East from 3rd to 2nd level. Are working these rooms South East between these levels at present time getting some Lake high phos. ore for the furnace at Gladstone. On the 2nd level no change has taken place during the year and excepting the ore milled down to this level from these rooms and together with ore from Lake Angeline Deposit, being trammed through the second level, no work has been going on.

The Lake Angeline Deposit ore was struck in March 1895 and so far has produced 49,927 tons going about 67.27 iron and .026 phos. The extreme length is 370 feet and width 125 feet, it narrowing at the ends. One sub level above the second level has been opened and from this sub, stopes have been carried in a number of places to the jasper capping of this deposit. At a point west of the main cross cut a chimney of ore went up 88 feet high but dimensions were small and average height would not be over forty five feet, except to the East, where the lens makes up towards the surface and here we have reason to expect from our drill holes and from the Lake Angeline Company's workings that this ore will go about 100 feet high. Considerable ore stands yet between this sub level and the capping, and the 32 feet of ore between here and the 2nd level remains practically untouched. Some of this ore is better, than that so far mined from this deposit. To further test this deposit and prepare for an increased product during the coming year an auxiliary shaft

will be sunk in the foot of this deposit and dip at about 45° to the South West under it. The drift is now driven to point from which this shaft will start and it will soon be underway. At several places in this deposit we have mined up to the Lake Angeline Company's workings and can walk through into their mine. The chances for considerable ore from here are favorable and in depth and distance west you will get all of the Lake Angeline Company's East End Mine. The auxiliary shaft could be raised through to surface if at some future time it was thought best to do so and would come up in the diorite islands forming the south foot of the Main Lake Mine.

The third level remains the same as a year ago excepting for a few setts of ore taken out of the first room East to make room for waste rock from the 600 foot cross cut leading to the Lake Angeline Deposit.

*Production where from
on in sight in different classes*

	Bessemer.	Non Bessemer.	Total.
Shipped during present year,	120,319.	69,107.	189,426
Produced " " "	119,160.	64,061.	183,221
On hand November 30th, 1895,	168	68	236
In sight underground,	.	.	6,000,000
Average men working during year,	295.		

At this Lake Mine there has been fully completed during the past year the permanent Engine House in which are running the Electric Haulage Plant, the Hoisting plant and the Duplex Air Compressor, and in the boiler room are four 6' X 16' new horizontal tubular boilers

each with seventy 4" tubes and built for and carrying 125 pounds of steam. Two of these boilers are equipped with stokers by which a saving of over 17 per cent in fuel has resulted, as shown by careful and exact tests. The other two boilers will be fitted with similar stokers as soon as possible. These stokers also allow us to burn slack and nut coal to advantage and our tests of this fuel show an economy, at present prices, of 16 cents per ton over the lump coal,

DRAINAGE.

The 16" pipe line connecting the dam at inlet end of the lake with the flume on the Lake Angeline Shore was completed during the last winter and easily carries off the water coming from the large drainage area to the East. Has given no trouble and has run full at no time except once during the summer when an extraordinary heavy rain storm occurred.

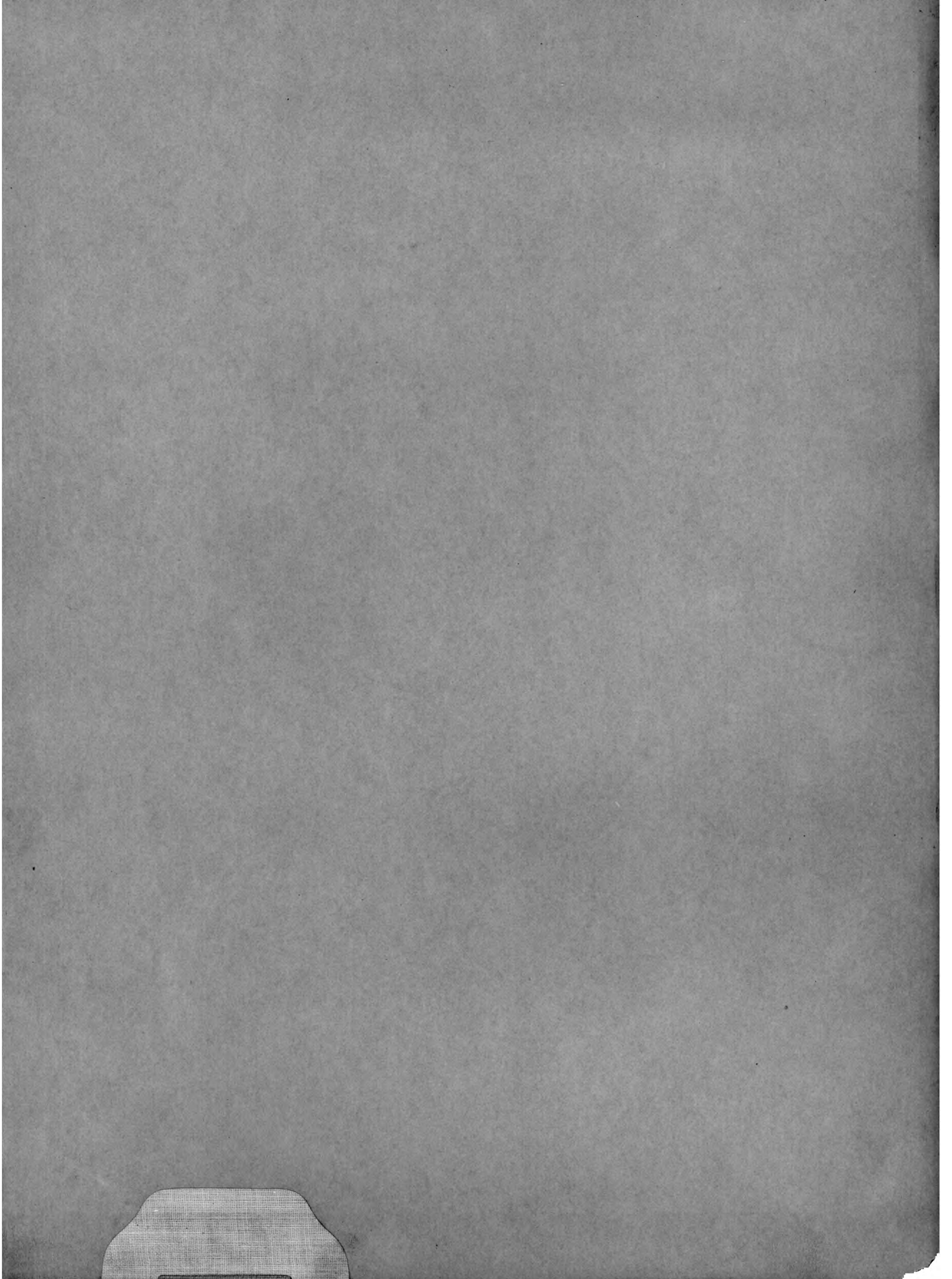
Summary of all the Mines of the Cleveland Iron Mining Co.,

Produced during present year,	265,963 tons
Shipped " " "	270,778 " ✓
In stock November 30, 1895,	116,868 "
In sight underground,	6,289,000 "
Average men working,	343

Respectfully submitted,

J. Mills

Agent.



Cleveland Iron Mining Co.
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- 1 Hard Ore, Lake & Hematite Mine Cost Sheets
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Cleveland Iron Mng Co
Misc. Data
1895

CLEVELAND IRON MINING CO.

Cost of Production for the Month of Year Ending Nov. 30, 1895

Mine.

	LAKE					HEMATITE												
	12 Months ending Nov. 30, 1895		27236 Tons.			12 Months ending Nov. 30, 1895		124636 Tons.			For 12 Mos. ending Nov. 30, 1895		55566 Tons.					
	Amount.	Cost per ton.	Amount.	Cost per ton.	Amount.	Cost per ton.	Amount.	Cost per ton.	Amount.	Cost per ton.	Amount.	Cost per ton.	Amount.	Cost per ton.				
GENERAL EXPENSE.																		
Salaries,																		
Stationery and Printing,																		
Telephones and Telegraphing,																		
Traveling, <i>Time Office</i>	1550.23		1036.3		1653.86		1427.34		244.60		1671.94	0.09	376.65		82.18		458.73	0.08
Office Expenses and Contingencies,																		
Office Furniture and Fixtures,																		
Legal,																		
Insurance,																		
Taxes,																		
Advertising,																		
Engineering,	33.87		20.26		54.13		719.21		97.02		816.24	0.05	34.81		27.62		62.43	0.01
Analysis,	227.71		161.86		184.57		587.92		1622.17		2210.09	0.13	47.43		47.43		47.43	0.01
Relief Fund,																		
<i>General Office</i>	516.11		135.26		651.37		3693.02		1008.76		4701.78	0.27	736.67		201.87		938.54	0.17
Total,	2122.92		11750.67		13873.59	50.9	6427.49	0.37	17846.83	102.24	24274.02	13.9	1148.13	0.21	2134.87	0.38	3283.00	0.59
MAINTENANCE—Repairs of																		
Tracks and Yards,	309.72		112.60		422.32		1728.28		84.44		1812.72	0.10	108.09		11.60		119.69	0.02
Docks, Trestles and Pockets,	34.78		4.98		39.76		101.38		58.13		159.51	0.01						
Buildings,	353.72		871.09		1254.81		196.41		196.60		393.01	0.02	39.62		31.10		70.72	0.01
Shop Machinery,	61.44		99.51		160.95													
Boilers,	15.02				15.02		56.13		53.91		112.04	0.01	1.6		24.80		24.96	0.01
Hoisting Machinery,			19.46		19.46		39.13		38.05		77.18	0.00	30.645		302.04		608.49	0.12
Compressors and Air Pipes,																		
Cornish Pumps,																		
Steam Pumps,																		
Tram Engines on Top,																		
Portable Machinery,	143.6		20.55		34.91													
Skips and Skip Roads,																		
Underground Tracks and Cars,																		
<i>Stable Expense</i>																		
<i>Timber, Fuel & Trucking</i>																		
<i>Else, from Black</i>																		
<i>Testing Stoker</i>																		
Total,	819.04		1263.79		2082.83	0.77	4176.48	0.24	1952.82	0.11	6129.30	0.33	541.33	0.09	587.49	0.12	1128.82	0.21
MINING EXPENSE.																		
Air Pipes,																		
Compressors,																		
Hoisting,																		
Wire Rope, Skips and Pulley Stands,																		
<i>Cornish Pumps, etc., from Black</i>	271.65		1053.43		1325.08	1.30												
Steam Pumps,																		
<i>Sinking, Shifting</i>																		
Drifting,																		
Breaking Ore,																		
Tramming,																		
Filling,																		
Timbering,																		
Mining Captain and Bosses,																		
Dry House,																		
Top Landing and Tramming,																		
<i>Hard Ore Contracts</i>																		
<i>Loss in</i>																		
Total,	271.65		1053.43		4067.83	1.44	8759.49	5.01	3994.72	2.29	12754.31	11.73	2901.59	5.23	10559.98	1.90	3957.95	7.13
LOADING AND SWITCHING.																		
Loading by Steam Shovel,																		
" " Hand "	625.50		86.99		712.49	0.79	564.66		1247.38		1247.38	0.27					1463.82	0.54
Sorting Ore,	105.46		477.25		582.71	0.64			40.51		108.87	0.18	1373.33		90.49		681.30	0.03
Total Loading Stock Pile,																		
Loading at Pocket,																		
Switching,																		
<i>Brushing etc. 820 tons</i>																		
<i>Stocking Ore</i>																		
Total,	730.96		4682.1		5349.17	1.96	1640.42	0.10	1391.15	0.08	3031.57	0.18	2042.23	0.37	97.81	0.01	2140.04	0.38
EXPLORATORY EXPENSE.																		
Exploring at Mines, (b)																		
Exploring, Outside, (c)																		
Total,																		
Cost of Production,	3944.57		18686.10		61985.42	2.27%	100552.55	57%	61621.64	38.7%	35316217.19	9.29%	32751.28	59%	13380.15	24%	46131.43	83%
Percentage,	17%		82%		110%		62%		38%		100%		71%		29%		100%	
DEPRECIATION—Sundry																		
Inventory Accounts,																		
Improvement Accounts,																		
New Construction Accounts,																		
<i>Lake Aug. Rem. Drainage</i>																		
Total,																		
Total Cost of Production,																		
EXTRAORDINARY COSTS AND CREDITS.																		
Repairs of Rented Houses,																		
Land Improvements,																		
Total Debit,																		
CREDITS.																		
House Rents,																		
Land Rents,																		
<i>Office Rent</i>																		
<i>Sundries</i>																		
Total Credit,																		
Net Debit,																		
Net Credit,																		
Not Cost,																		
<i>Less Sundry Expenses, etc. Office</i>																		
Total Less,																		
<i>Improvement and Sundry off</i>																		
<i>Construction</i>																		
Total,																		
Grand Total																		
Sinking,	Feet,	Cost,	Cost per Foot,	Feet,	Cost,	Cost per Foot,	Feet,	Cost,	Cost per Foot,	Feet,	Cost,	Cost per Foot,	Feet,	Cost,	Cost per Foot,			
Drifting,	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"			
				1411	4467.09	3.16	355 1/2	772.57	2.17									

(a) Costs per ton based on tons shipped only. (b) Diamond drilling and test pitting done at the mines. (c) Diamond drilling and test pitting done at outside explorations.

Hard Ore Sundry Credits as follows: Hard Ore Sundry depreciation Lake Sundry depreciation

Dep. of Inventory	1412.86	Strike Expense	140.02	Lake Sundry depreciation	105.011
Laboratory	119.77			Strike Expense	1122.78
Steam Shovel	508.92			Lake Aug. Rem.	272.89

Cleveland Iron Mining Co.

All MINEs.

COST SHEET FOR THE MONTH OF

Year Ending

November 30 1895

CLEVELAND IRON MINING COMPANY.

Weekly Mine Report, for the Week Ending November 30th 1895

	ROCK.	ORE.	PREVIOUS FOR MONTH.	TOTAL FOR MONTH.	TOTAL FROM DEC. 1, 189 <u>4</u> .	IN STOCK DEC. 1, 189 <u>4</u> .	TOTAL.	SHIPMENTS TO DATE FROM DEC. 1, 189 <u>4</u> .	BALANCE ON HAND.	AVERAGE DAILY ORE HOIST.			REMARKS.
										Week.	Month.	Year.	
No. 3 Mine,						11729	11729	5156	6573				
Moro Mine,						8898	8898	3914	4984				
Incline Bessemer, <i>Excess</i>		<i>54</i>		<i>54</i>	10544	0	10544	<i>9070</i> 10544	0				
“ Non-Bessemer, <i>Excess</i>		<i>365</i>	276	<i>365</i> 276	3409	0	3409	3409	0				
Saw Mill Bessemer, <i>Excess</i>		<i>620</i>	1252	<i>620</i> 1252	1872	12918	0	12918	12918	89	75	60	7-25-216
“ Non-Bessemer,					365	0	365	365	0			44	7
Total from Hard Ore Mines,		1040	1527	2567	27236	20627	47863	36306	11557				
Lake,		3223	7479	<i>Dec. 9th p.m.</i> 10702	<i>754</i> 64061	12945	77760	<i>8585</i> 69107	<i>Shoorage</i> 68	358	396	312	9-27-208
Lake Bessemer No. 1,		0	0	0	17349	0	17349	17330	19			214	81
“ “ 2,		7339	12099	<i>Dec. 9th p.m.</i> 19438	<i>1327</i> 68331	0	69658	69612	46	815	748	783	9-26-89
East End Bessemer,		777	1428	2205	13090	0	13090	13090	0	259	220	654	3-10-20
<i>Illinois</i>			2931	2931	17269	0	17269	17166	103		293	539	10-32
<i>Hematite,</i> <i>Lake silica</i> <i>Excess</i>		<i>52</i>	3069	<i>52</i> 3069	3121	0	3121	3121	0		312	312	10-10
<i>Hematite</i>					55506	94615	150121	45046	105075			318	172
Total from Hematite Mines,		11391	27006	38397	240808	107560	348368	<i>8585</i> 234472	<i>Shoorage</i> 105311				
Grand Total,		12431	28533	40964	268044	128187	396231	279363	116868				
Rock, previous for Month,	0	<i>Total Lake p.m. for year 185302 as above</i>					<i>Of the Lake shipments reported to date</i>			<i>Of the No. 1 Besse shipments to date.</i>			
“ “ total “ “	0	<i>Less Dec. p.m. incl in above 2081</i>					<i>1973 is Ditchfield</i>			<i>1683 is No. 2 Besse.</i>			
“ “ from Dec. 1, 189 <u>4</u>	2	<i>Product as reported 183221</i>					<i>2538 " G.E. Besse</i>			<i>186 " Ills.</i>			
		<i>Less shortage of S. Pile 8585</i>					<i>9940 " Illinois</i>						
		<i>Net Output for year 174636</i>					<i>14451</i>						

Cleveland Iron Mining Co.

ORE MINED AND SHIPPED

For Week ending *Nov. 30* 189*5*

2

Cleveland Iron Mining Company.
Summary of Labor Statement Year ending Nov 30/95.
Hematite Mine

	Avg No men Working	No Days worked	Rate Pr Day	Amount of Wages	Days Pr man Pr Day	Cost Per Ton	Product
<u>Surface</u> Dec '94	32	866	1.17	1017.55			
Jan'y '95	33	831 1/2	1.17	979.18			
Feb'y.	32	843 1/4	1.16	975.63			
March	34	895 1/4	1.17	1050.55			
April	30	768 1/2	1.18	907.96			
May	28	657	1.29	850.76			
June	25	1400	1.30	1826.57			
July	25	746	1.39	1040.49			
August	6	159	1.81	287.88			
Sept	7	100 3/4	1.44	145.07			
October	3	63 1/4	1.36	85.75			
Nov.	1	15	1.30	19.58			
Total	34	7345 1/2	1.250	9186.97			
From other Mines etc.	10	255 1/2	1.52	390.40			
Net Total Surface	44	7601	1.260	9577.37	7.225	1.74	54923
<u>Mining</u> Dec '94	109	2726	1.32	3617.47	3.30	4.01	8993
Jan'y '95	88	2405 1/4	1.29	2857.37	3.32	3.89	7341
Feb'y.	120	2668 3/4	1.41	3767.32	3.62	4.35	8644
March	115	2823 1/2	1.52	4403.32	3.60	4.32	10173
April	80	1974	1.50	2965.24	3.35	4.47	6624
May	87	1635 1/2	1.49	2449.79	3.20	4.68	5233
June	80	1949 1/2	1.35	2635.48	3.23	4.18	6205
July	44	734	1.70	1253.20	2.32	7.32	1710
Total	80	16716 1/2	1.432	23949.19	3.28	4.34	54923
<u>Total</u> Dec '94	142	3624	1.29	4667.12	2.48	5.18	
Jan'y '95	121	3038 1/2	1.26	3840.84	2.41	5.23	
Feb'y	156	3534	1.35	4779.64	2.45	5.51	
March	150	3736 1/4	1.47	5480.74	2.72	5.38	
April	111	2762 1/2	1.41	3902.75	2.40	5.93	
May	115	2305 1/2	1.44	3316.75	2.28	6.31	
June	135	3360 1/2	1.33	4478.93	1.88	7.05	
July	99	1485 3/4	1.55	2303.08	1.15	13.41	
August	6	170 1/2	1.88	320.70			
Sept	11	161 1/2	1.45	234.50			
October	4	87 1/4	1.40	121.96			
Nov.	2	51 1/4	1.56	79.55			
Total	124	24319 1/2	1.337	33526.56	2.258	6.14	54923

Cleveland Iron Mining Co.
Summary of Labor Statements Year Ending Nov 30, 1905
— Lake Minn. —

	No of Men Working	No Days Worked	Ratio to Day	Amount of Wage	Land per man per Day	Coal per Ton	Product
<u>Surface</u> Dec '94	115	2905	126	3677 86			
Jan'y '95	98	2498	123	3078 62			
Feb'y	106	2564 ³ / ₄	126	3222 12			
March	112	2916 ³ / ₄	127	3421 05			
April	89	2176 ¹ / ₂	129	2817 72			
May	114	2630 ¹ / ₄	134	3526 37			
June	61	1566 ¹ / ₄	126	1979 14			
July	61	952 ³ / ₄	138	1313 84			
Aug	31	532 ¹ / ₄	170	905 08			
Sept	67	932	157	1463 19			
Oct	65	1763 ³ / ₄	148	2603 84			
Nov	65	1683 ³ / ₄	148	2486 34			
<u>Total</u>	82	73122	1332	30795 17			
<u>From other mines etc.</u>	8	188 ¹ / ₂	269	509 64			
<u>Net Total Surface</u>	90	73310 ¹ / ₂	1343	313048 1	7491	179	174636
<u>Mining</u> Dec 94	145	3612 ¹ / ₄	142	5147 33	188	1034	4977
Jan'y 95	124	3103 ³ / ₄	144	4457 19	43	335	1336
Feb'y	159	3808	144	5482 12	180	1303	4207
March	178	4490 ¹ / ₂	146	6543 88	170	870	7529
April	189	4568 ¹ / ₄	149	6814 41	187	798	8563
May	190	4918	153	7531 23	208	753	10236
June	264	6641	149	9850 26	499	297	33149
July	258	3420 ³ / ₄	162	5547 95	726	223	24847
Aug	5	123	305	375 89	-	-	
Sept	262	1897 ¹ / ₂	175	3328 02	552	327	10487
Oct	249	6720 ³ / ₄	182	12201 62	618	293	41574
Nov	280	6971 ¹ / ₄	189	13192 81	521	363	36316
<u>Total</u>	210	50275	1601	80472 71			183228
					3473	459	174636
<u>Total</u> Dec 94	258	6462 ¹ / ₄	135	8788 72	77	1765	
Jan'y 95	222	5589	136	7607 70	73	568	
Feb'y	268	6448 ¹ / ₄	138	8890 23	65	2113	
March	291	7414 ³ / ₄	139	10289 87	101	1360	
April	281	6803	143	9726 21	126	114	
May	309	7633 ¹ / ₄	146	11163 92	135	108	
June	327	8226 ¹ / ₄	144	11897 53	404	357	
July	320	4385	155	6836 66	568	276	
Aug	34	599	200	1201 27	-	-	
Sept	330	2826	169	4787 75	370	456	
Oct	315	8492 ³ / ₄	174	14817 81	489	356	
Nov	347	8706	181	15769 85	417	434	
<u>Total</u>	300	73585 ¹ / ₂	1519	111797 52	2373	640	174636

Cleveland Iron Mining Co.
Summary of Labor Statements Year Ending Aug. 30/1895

Hard Ore Mine

	Avg. No. Men Working	No Days Worked	Rate per Day	Amount of Wages	Tons per Man per Day	Cost per Ton	Product
<u>Surface</u> Dec '94	56	1421	132	1883 44			
Jan'y '95	28	722	146	1054 25			
Feb'y	24	564	145	819 03			
March	20	540 ³ / ₄	148	801 11			
April	26	653 ¹ / ₄	150	982 53			
May	66	1735 ³ / ₄	137	2385 08			
June	72	1752 ³ / ₄	138	2425 47			
July	77	1052 ¹ / ₄	141	1486 39			
Aug	11	220 ¹ / ₂	185	407 95			
Sept	75	884 ¹ / ₂	174	1540 63			
Oct	59	1504	161	2420 55			
Nov.	64	1448 ³ / ₄	162	2352 91			
Total	48	12499 ¹ / ₂	1484	18559 34			
To other Mines Etc.	10	2677	195	5234 55			
<u>Net Total Surface</u>	<u>38</u>	<u>9822 ¹/₂</u>	<u>1356</u>	<u>13324 79</u>	<u>2773</u>	<u>489</u>	<u>27236</u>
<u>Mining</u> Dec '94	3	86 ¹ / ₂	134	116 27	296	453	1566
Jan'y 95	10	249 ¹ / ₄	137	343 01	423	325	1378
Feb'y	11	266	171	456 10	470	364	1252
March	11	328 ¹ / ₂	182	600 04	445	410	1464
April	13	316	184	584 04	401	460	1268
May	12	329 ¹ / ₂	184	608 18	280	660	3386
June	14	347 ³ / ₄	177	616 62	286	620	3417
July	15	216 ¹ / ₂	196	424 17	610	318	3920
Aug	2	32	300	96 00			
Sept	13	140 ¹ / ₂	250	352 55	790	316	2216
Oct	13	336 ³ / ₄	193	650 70	412	469	4802
Nov.	25	468	181	847 95	478	379	2567
Total	14	3117 ¹ / ₄	1827	5695 66	4261	209	27236
<u>Total</u> Dec '94	33	843 ¹ / ₄	1087	916 76	185	586	
Jan'y 95	28	702 ³ / ₄	1209	850 00	196	617	
Feb'y	27	647 ¹ / ₂	140	905 40	193	723	
Mar	25	706 ³ / ₄	151	1070 27	207	729	
April	32	780 ³ / ₄	152	1186 93	163	936	
May	69	1844 ¹ / ₄	138	2545 82	183	751	
June	77	1867	139	2594 37	180	759	
July	86	1108	144	1597 06	354	409	
Aug	121	230 ³ / ₄	191	441 18			
Sept	77	855 ¹ / ₄	179	1534 87	259	692	
Oct	65	1653 ¹ / ₂	161	2665 43	290	555	
Nov.	80	1699 ¹ / ₄	160	2712 36	151	1056	
Total	521	12939	1470	19020 45	2100	698	27236

Cleveland Iron Mining Co.

Statement of Repairs etc to Dwellings not Rented,
for year ending Nov. 30 '95.

<u>Superintendent's Residence</u>			
Door - Doors and Windows.		490	
House - LIME Lumber on Repair		651	
" Windows Rep.		886	
" Furnace, Sittings Grates		-	
Labor		1389	
" Stakes Stacks Extension to yard		1100	
Pipe Line - 1/3 of total Expense - Repairs		4206	
<u>Total</u>			8722
<u>Master Mechanic's Residence</u>			
Pipe Line - 1/3 of total Expense - Repairs		4206	
<u>Total</u>			4206
<u>President's Cottage</u>			
Furnace. Repairs & Cleaning		375	
House - Stakes Stacks		160	
" Windows & Doors.		497	
" Chasing up Cracks around doors			
windows - Grip's bill		3764	
" Painting Otson's bill		275	
Veranda Stairings, putting up etc	490		
" Iron Mesh etc	501	991	
Pipe Line - 1/3 of total Rep. Expense	4205		
" Leaking	32	4237	
Re-planting trees - Argaw		562	
<u>Total</u>			10361
<u>Total of acct "Repair to Dwellings not Rented"</u>			<u>23289</u>

Chevaland Iron M^g Co.

Statement of Expenses at President's Cottage for the year
Ending November 30th 1895.

Repairs to Building etc as per
Statement of "Buildings not Rented"

10361

Electric Light.

Dec. 1st to April 30 at Rate per Mo. 783

3915

For May 1/2 Regular rate

391

" June no charge was made

000

" July 1 to Nov 30 as per meter

1715

6 Incandescent lamps 40

240

6761

Fuel.

1 1/2 Corded Wood 300

450

14 ²⁷⁰/₂₀₀₀ low Egg Coal

7290

1900 " Wood "

546

8 ¹⁶⁵⁰/₂₀₀₀ " Fuel "

4412

12698

Water & Ice Fr. 6.00
Dr. 13.05

1905

Choreman. May to Nov 30

11876

Telephones

1st Quarter 12.50
2^d " 7.50
3^d " 7.50
4th " 3.50

3100

Total.

46151

Expenses in connection with planting
trees etc (per report recd)

Charged Land Improvements etc

17474

Charles Iron Mfg Co

Callings not Rented

Exp. Presidents Cottage

Exp. Ending Nov 30/95.

CLEVELAND IRON MINING CO.,

ISHPEMING, MICH.

HARD ORE MINE.
LAKE MINE.
HEMATITE MINE.

Dec 14th 1895.

Mr. R. C. Mann, Auditor,

Cleveland Ohio,

Dear Sir:

As per your letter of Nov. 22d, Mr. Mather took up with us to-day the matter of depreciation of Lake accounts, and we give below a memorandum of the disposition of different items as on our summary of Oct. 31

Stripping.-80% to be charged off this year. *Monthly - Total both years also Fin. Loss*

L. A. Dam.-Assuming that we have to stand 75 % of the total cost, will charge 20 % of our portion each year commencing with '95.

L. A. Pumping Expense.-For '95 will carry over to '96.

New Blacksmith Shop.--To be sunk off in '95.

Timber Road and Drums.- Do.

Tram Road Drifting.- Do.

Tram Road Tracks.-33 % each year commencing in '95

" " Wiring.- Do.

Elec. Power Mach. Foundts.- Do.

" " Machinery.- Do.

Compressors.-To be sunk off in '95.

" Foundation.-To be sunk off in '95.

New Boilers.- 33 % each year commencing in '95.

Setting Boilers.- Do.

Piping Boilers and Engine.- Do.

Stokers and Setting.- Do.

8



CLEVELAND IRON MINING CO.,

ISHPEMING, MICH.

HARD ORE MINE.
LAKE MINE.
HEMATITE MINE.

RCM #2 12/14/95.

- ✓ Excavating for Compressor and Boiler Foundations.-33% each year commencing in '95.
- ✓ General Foundations.- 33 % each year commencing in '95.
- ✓ Retaining Wall.- Do.
- ✓ Engine and Boiler house bldg.- Do.
- ✓ Tunnel for Water and steam pipe.- Do.

We think hereafter each years' proportion should be charged out monthly thereby distributing the depreciation uniformly throughout the year, and Mr. Mather asks that you take up with this point in time for our December accounts.

Yours very truly,

Loc Adtr.

Depreciation of Construction

Statement of Cleveland Hematite Ore for the
Year Ending Nov. 30-1895

		On hand at Mine Dec 1-1894	94615
		Produced during year	55506
		Total	<u>150121</u>
		Shipped to Cleveland	1981
June	25	Gleve. Hem. as Litch. Badilla-Marquette	166
Oct	16	" " " " Johnson-Escanaba	52
Dec	7	" " " Lakes Best #2-Marina-Margh.	36
		" " " Salis. Best to Escanaba	13755
		" " " " " Marquette	29056
		Total	<u>42811</u>
		On hand at Mine Nov. 30-1895	105075
		Total	<u>150121</u>
		Memo. of Ore as shipped from mine.	
		To Escanaba as Salis. Best.	13807
		" Marquette " "	29222
		" " " Glave. Hem.	2017
		Total	<u>45046</u>

Statement of Cleveland Hematite Ore for the
Year Ending Nov. 30-1895

		On hand at Mine Dec 1-1894	94615
		Produced during year	55506
		Total	150121
		Shipped to Cleveland	1981
June 25		Cleve. Hem. as Litch. Badilla-Marquette	166
Oct 16		" " " " Johnson-Escanaba	52
Dec 7		" " " " Lake Bess #2-Marina-Margh.	36
		" " " " Salis. Bess to Escanaba	13755
		" " " " " " Marquette	29056
			42811
		On hand at Mine Nov. 30-1895	105075
		Total	150121
		Memo. of Ore as shipped from mine.	
		To Escanaba as Salis. Bess.	13807
		" Marquette " "	29222
		" " " Cleve. Hem.	2017
		Total	45046

Statement of G. Lewis, New.

Years Ending Nov. 30-95.

Statement of No 1. Ore for Year ending Nov. 30-1895

	Produced during year	1180
	Scotch as No. 1 to Excelsior Furnace	762
		<u>1942</u>
	Shipped to Excelsior Furnace	1510
Oct 30	No 1. as. leve. Bess. Manhattan. Esc.	389
	No 1. " Scotch to Exc. Furnace (see 94)	43
		<u>1942</u>
	Mem. of No. 1 Ore as shipped from mine.	
	No 1. Ore to Escanaba	389
	No 1. " " Excelsior Furnace	748
	No 1. " as Scotch to Exc. "	43
		<u>1180</u>

Statement of No. 1. Ore
Year ending Nov. 30-95.

Statement of Cash and Bessemer Pig Illinois Ore
Year Ending Nov. 30 - 1895

		Produced during Year @ E. Besse	13090	
		Lake as E. Besse (Weekly Report 11/30/95)	2538	15628
		Produced during Year - Illinois	17269	
		Lake as Illinois (Weekly Report 11/30/95)	9940	
		Lake Besse Not as. " " "	185	27394
		Total		<u>43022</u>
Oct	26	Illinois as Litch. Cadillac. Marquette	1066	
Nov	3	" " " Planch "	821	
"	4	" " " Pease "	755	
"	6	" " " Specular "	392	
"	14	" " " Brothwaite. Escanaba	157	3191
Aug	16	" " Lake Tuttle "		85
Nov	23	" " " Besse #2 "		33
Oct	11	E. E. Besse " Litch. Planch Marquette	310	
"	26	" " " Cadillac "	206	
Nov.	25	" " " Sage Escanaba	1158	1674
Oct	13	" " Lake Besse #2. Tentonia "	129	
"	17	" " " Duito "	283	
"	26	" " " Tuttle "	191	
"	27	" " " Wahank "	295	
"	30	" " " Raleigh "	390	
Nov.	23	" " " Tuttle "	1645	
Dec.	2	" " " Alcona "	645	
"	4	" " " Biwabik "	18	
"	6	" " " Escanaba "	339	3935
		Cash. End Besse. to Lorain	8659	
		" " " Cleveland	1243	
		" " " Galumet Furn. Co.	3477	
		" " " Illinois Steel Co.	20504	33883
		" " " On hand at Escanaba 11/30/95		118
		Illinois Ore " " " Mine "		<u>103</u>
		Total		<u>43022</u>

Memo. of Illinois shipped as E. E. Besse from docks
From Escanaba 23982

Memo. of Ore as shipped from Mine
Illinois to Marquette 3034
" " Escanaba 24257
E. E. Besse " Marquette 516
" " Escanaba 15112
Illinois 27291
E. E. Besse 15628
42919

Statement of Illinois & East.

End Bess. Year Ending 11/30/95

Statement of Cleveland Bessemer Ore for the
Year ending Nov. 30-1895

		Produced during year	23462
		Fitch No. 1. as Cleve. Bess. to Maugh.	366
		" " " " " Escanaba	1163
		" No. 2 " " " Marquette	1223
Nov	7	" No 1 " " Quito. Escanaba	174
		Barum as " " to Marquette	208
		" " " " Escanaba	2260
		" " " " Pionee. Marquette	1047
Oct	30	No. 1. Ore " " Manhattan. Escanaba	389
		<u>Total.</u>	<u>30292</u>
		Shipped to Cleveland Bluffs Iron Co.	21749
		" " Illinois Steel Co.	8050
Nov	7	Fitch No. 1 (as Cleve. Bess) as Scotch Pionee - Marquette -	47
		Cleve. Bess. as Scotch to Marquette	2
		On hand at Escanaba Nov. 30/95	444
		<u>Total</u>	<u>30292</u>
		Memor. of Cleve. Bess. Ore as shipped from mine - - - - -	
		Cleveland Bessemer to Maugh. 18952	
		" " " " Esc. 4508	
		Cleve. Bess. as Scotch " Maugh. 2	
		<u>23462</u>	

Statement of Lelew. Bess.

Ac. Year ending Nov. 30/95.

Statement of Lake Bess, No. 2. Ore for the
Year Ending Nov. 30-1895.

		Produced during year		68331
		" " Dec, 1895		1327
Nov.	8	Lake Bess No. 1, as Lake Bess No. 2. Biwabik Escanaba	331	
Dec.	3	" " " " " Gogebic "	268	
"	6	" " " " " Escanaba "	171	770
Oct	13	E. E. Bess " " " Tontoia "	129	
"	17	" " " " " Quito "	283	
"	26	" " " " " Tuttle "	191	
"	27	" " " " " Tahauk "	295	
"	30	" " " " " Raleigh "	390	
Nov	23	" " " " " Tuttle "	1645	
Dec	2	" " " " " Alcona "	645	
"	4	" " " " " Biwabik "	18	
"	6	" " " " " Escanaba "	339	3935
Nov	23	Illinois " " " Tuttle "		33
Dec	7	Cleve. Hem. " " " Pioneer Marq.		36
"	2	Litchfield " " " Alcona - Esc.		87
"	7	Salis. Bess " " " Pioneer - Marq.	816	
"	2	" " " " " Alcona - Esc.	70	886
		" " " " " to Escanaba	2479	
		" " " " " " Marquette	63	2542
		Lake Bess, No 1 as Lake Bess No 2. See Weekly Report (11/30/95)		1683
		Total		79630
		Lake Bess, No 2 to Ills. Steel Co.	69967	
		" " " " Cleveland	8971	78938
		Ore hand at Esc. Nov. 30-95		646
		" " " " Mine " " "		46
		Total		79630
Memo. of Ore as shipped from Mine.				
		To Escanaba	69354	
		" Marquette	1941	
		Total	71295	

Statement of Lake Bess No 2. Ore

Year Ending Nov. 30-95.

Statement of Lake Bess No. 1, Co.

Year Ending Nov. 30, 1895.

Statement of Lake Silica Ore for the year
Ending Nov. 30th 1895.

	Produced during year		3121
Nov 27	Lake Silica to Cleveland		2587
Dec 7	" " as Lake Silica Peas. Esc.	264	
Dec 7	" " " " Wallace "	270	534
	Total		3121
	Trens of Ore as shipped from mine To Escanaba - - - <u>3121</u>		

Statement of Lake Silica Co

Year Ending Nov. 30/95

Statement of Lake Ore for the
Year Ending Nov. 30, 1895

		On hand at Mine Nov. 30-1894		12945	
		" " " Marquette Nov 30-94		97	
		Produced during year		64061	
		" " " Dec. 1895		754	
Aug	16	East End Bess. as Lake Tuttle Escanaba		85	
		Total		77942	
		Shipped to Cleveland	15854		
		" " " Antrim	27500		
		" " " Excelsior Furnace	201		
		" " " Illinois Steel Co.	4277	47832	
June	30	Lake as Litchfield. Ranney-Escanaba	988		
"	21	" " " New Orleans "	905		
"	25	" " " Cadillac-Marquette	527		
July	3	" " " Cadillac "	1383		
"	11	" " " Cadillac "	1297		
"	16	" " " Folsom "	656		
Oct	14	" " " Cadillac "	1940		
"	26	" " " Cadillac "	89	7785	
June	21	" " Salisbury Planch "		83	
		" " E. C. Bess. See Weekly Report 11/30/95		2538	
		" " Illinois " " "		9940	
		Shortage		8585	
Sept	10	Lake as Salisbury. Sawyers-Marquette		408	
		" " " to Escanaba		703	
		On hand at Mine Nov. 30-1895		69 259 68	
		Total		77942	
		Memo. of Ore as shipped from Mine			
		Lake to Marquette	12862		
		" " Escanaba	15450		
		" " Antrim	27500		
		" " Excelsior Furnace	201		
		" as Salisbury to Escanaba	703		
		Total	56716		

Statement of Lake Ore
Year Ending Nov. 30/95.

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Cleveland Iron Mining Co
Report of Electric Haulage, Framming & Filling Expenses
For the Month of Nov. and for year Ending 1895

Lance Mine	For Nov. 1895				For year		
	Labor	Supplies	Total	Cost	Cars Etc.	Total Amt.	Cost
Operating Motor							
Motor & Brakesmen	334.74	46.41	381.15	.029		3032.46	.035
Electrician	66.97	8.05	75.02	.052		429.87	.049
Unloading Cars						175.41	.020
Corp. Engines House Expense	102.26	37.65	139.91	.037		473.64	.055
<u>Total Moto Exp.</u>	<u>1106.97</u>	<u>429.11</u>	<u>1536.08</u>	<u>.118</u>		<u>13821.88</u>	<u>.159</u>
Divided as follows					Cars		
Cars Filling Sand							
327 " " Rock	27.89	10.81	38.70				
" " Mud							
12088 " Ore	1030.89	399.63	1430.52				
565 " Timber	48.19	18.67	66.86				
<u>12980 Total</u>	<u>1106.97</u>	<u>429.11</u>	<u>1536.08</u>	<u>.118</u>	87018	13821.88	.159
<u>Filling Sand</u>					yards		
Corp. Motor Expense						5015.97	.169
Exp. of Putting away sand						7063.78	.238
Portable Hoist spotting cars						241.00	.008
<u>Total</u>					29724	12320.75	.415
<u>Filling Rock 327 Cars</u>					Per Car		
Corp. Motor Expense	27.89	10.81	38.70	.118		685.79	.169
Exp. of Putting away Rock	164.20	9.57	173.77	.531		1814.58	.447
Portable Hoist						75.05	.018
<u>Total</u>	<u>192.09</u>	<u>2038</u>	<u>21247</u>	<u>.649</u>	4060	2575.42	.634
<u>Filling Mud</u>					Cars		
Corp. Motor Expense						241.72	.229
Expense cleaning up Mud						580.53	.550
<u>Total</u>					1055	822.25	.779
<u>Framming Timber 565 Cars</u>					Per Car		
Corp. Motor Expense	48.19	18.67	66.86	.118		286.80	.135
<u>Total</u>	<u>48.19</u>	<u>18.67</u>	<u>66.86</u>	<u>.118</u>	2118	286.80	.135
<u>Framming Ore 36316 Tons</u>					Per Ton		
Corp. Motor Expense	1030.89	399.63	1430.52	.039		7591.60	.045
Framming & Skip Tending	1256.60	41.84	1298.44	.036		3313.77	.019
Portable Hoist						900.000	
<u>Total</u>	<u>2287.49</u>	<u>441.47</u>	<u>2728.96</u>	<u>.075</u>	17044	10914.37	.064
<u>Grand Total</u>						<u>26919.59</u>	
Summary of Charges							
Filling Sand						12320.75	
" Rock	192.09	2038	21247			2575.42	
" Mud						822.25	
Framming Timber	48.19	18.67	66.86			286.80	
" Ore	2287.49	441.47	2728.96			10914.37	
<u>Grand Total</u>	<u>2527.77</u>	<u>4805.2</u>	<u>3008.29</u>			<u>26919.59</u>	

Lake Mead

Report of Electric Haulage

for Month of Nov 95 and

for year ending Nov 30 1895.

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Cleveland Iron Mining Co.
Statement of Unpaid Vouchers Nov. 30-95

Voucher No.	In favor of.	Amount
2314	W. S. S. & A. Ry. Co. amt paid after Dec. 1 st .	750
2319	Steam Shovel Men	29315
2320	The Brush Electric Co.	1296
2321	Open Vouchers	1825
2322	Fred Braastad & Co	2200
2323	W. G. Bulluck Tuff Co.	1600
2324	Receiver of Bucyrus S. S. & Dredge Co.	1150
2325	Rich. Barney	125
2326	Central Electric Co.	1245
2327	F. J. Eggan	720
2328	General Electric Co	1650
2329	Thos. F. Gill	850
2330	Jno. W. Joachim Holw. Co. & Co.	75
2331	Aug Jacob	2070
2332	Haupton & Co.	735
2333	G. H. Kirkwood	310
2334	Wanhard Jopling Co. & Co.	2929
2335	A. W. Myers & Co.	960
2336	Standard Oil Co.	833
2337	Fred P. Tillson	1419
2338	Western Electric Co.	1539
2339	Ole Walseth	1200
2340	Western Union Tel. Co.	3437
2341	American Express Co.	755
2342	Iron Cliffs Co. Neg.	1018
2343	Eugene Dietzgen	584
2344	J. H. West	675
2345	Geo. A. Newell	400
2346	Marquette Co. Telep. Co.	500
2347	Western Express Co.	105
2348	Neg & Shp. St. Ry & C. L. Co.	9788
2349	Brunswick Hotel	650
2350	Mrs Leelia Worthy	212
2351	F. Bradstad & Co.	175
2352	Benefit & Suspense Fund	13304

Cleveland Iron Mining Co.

Statement of unpaid Vouchers

Mine Office

Nov 30th 1895

R. J. Williams Contract. Recap of Shipments and Analyses Feb'92 to Nov 30'95.

Shipments.	Bessemer.		No.1.		Scotch.		Fine.		Fine Scotch		Total.	
	Tons.	lbs	Tons	lbs	Tons	lbs	Tons	lbs	Tons	lbs	Tons	lbs
Feb'92 to Nov.30'92.	5985	80	5883	670	490	1790	875	1800	126	980	13361	840
Dec'92 " " 30'93.			8248	1940	1124	1910	3119	2150			12493	1520
Dec.93 " " 30'94.	10266	1540	16458	250	9329	1410			585	1570	36640	290
Dec.94 " " 30'95.	10544	280	1179	2090	2228	2020					13952	2150
Total.	26795	1900	31770	470	13174	410	3995	1710	712	310	76448	320
Per Cent.	350		417		172		052		009		1000	
	6500		6200 to 6500		6000 to 6200		5700 to 6000				Total	
Analysis.	Tons.	Per Cent	Tons	Per Cent	Tons	Per Cent	Tons	Per Cent			Tons	Per Cent
Feb'92 to Nov.30'92.	9475	6742	3456	6387	336	6126	94	5989			13361	6629
Dec.1'92 to Nov.30'93.	9080	6685	2587	6342	826	6072					12493	6573
" 1'93 " " 30'94.	25242	6732	11398	6324							36640	6605
" 1'94 " " 30'95.	11604	6744	1826	6337	522	6080					13952	6666
Total.	55401	6729	19267	6339	1684	6085	94	5989			76446	6615
Per Cent.	725		252		022		001				1000	

R.J. Williams & Co

Business of R.J. Williams & Co

1880

Jan 1st 1880
To Balance forward 100.00
By Cash 50.00
1880

1880

1880

1880

Scrap Iron Sales - 1895

Wrote Scrap to R. L. Gristberg & Co.

Sold early in the year	@ J. M. Co.	\$ 305.00		
" in the fall	"	1,746.00	\$ 2,051.00	
" " " "	J. C. Co.		279.39	\$ 2,330.39

Cash Scrap to Lake Shore Iron Works -

Sold in the fall	@ J. M. Co.	\$ 1,880.49		
" " " "	J. C. Co.	621.00		\$ 2,501.49
				<u>\$ 4,831.88</u>

Gristberg has yet to pay \$ 216⁸⁶ and will draw on him at sight this day - Dec. 7 - 95.

A. C. A.

Scrap Iron sales
1895

Clinton Iron Mining Co. Report of Operating Steer Shovel for season of 1895

	1894. 3. Months	1895. April.	1895. May.	1895. June.	1895. July.	1895. Sept.	1895. Oct.	1895. Nov.	1895. Total.
No Day Worked	28	3	26	23	11	31	25	14	133
No Hours per day Loading - Avg.	5.26	5.40	6.05	6.14	6.11	5.41	5.59	4.73	5.64
Tons Loaded for Month	21705	2724	24015	21636	10737	26079	23524	8924	117,639
Average tons per day	775	90.8	923	940	976	841	941	637	884
" " " " " 10 Hours	1466	1681	1525	1588	1595	1550	1680	1340	1560
No Men with Shovel	10	9	10	10	10	9.6	10	9.4	10
Average per man per day	77.5	101	92.3	94.0	97.6	87.6	94.1	67.8	88.4
" " " " " 10 Hours	146.6	186.7	152.5	158.8	159.5	161.4	168.	142.5	156.
Average Hags Shovel Runners	1.96	1.81	1.96	1.96	1.96	2.24	2.12	2.15	
" " " " " Labourers	1.16	1.15	1.16	1.16	1.16	1.66	1.52	1.51	
Cost for Labor	530.03	56.41	472.80	371.80	204.61	622.46	565.59	361.56	2605.23
" " Supplies	132.72	27.04	115.64	77.33	34.60	165.68	75.62	70.35	566.26
Cost per ton for Labor	.024	.020	.018	.017	.019	.024	.024	.040	.022
" " " " " Supplies	.006	.010	.004	.004	.003	.006	.003	.008	.005
Total Cost per ton.	.030	.030	.022	.021	.022	.030	.027	.048	.027
Cost per ton actual Loading	.016	.016	.013	.013	.014	.016	.015	.023	.0153

Statement of Earnings etc for Season 1895

Earnings	Amt.		Over Tons.
Loading 71303 1/2 tons Saturday Ore	3865	17.000	
" 46336 " Lake "	1247	38.027	
Totals.	4812	55.027	
<u>Operating Cost</u>			
Labor - Loading Ore	2605	23.022	
Supplies " "	566	26.005	
Totals	3171	49.027	
Gross Earnings.	1641	06.014	
<u>Repair Costs</u>			
Labor (After allow of season 94.)	589	12.005	
Supplies " "	543	02.004	
Totals.	1132	14.009	
Net Earnings.	508	92.004	

Shovel idled from July 17th, when stopped by strikers, to Sept 2nd at which date it was started by imported runners, old runners returning to work Sept 16th '95.

The high cost per ton for November is due to ore piles getting small necessitating frequent moving and switching.

Figuring difference between cost of Shovel Loading (.027) and Hand Loading (.00) at Lake, would make
Gross Earnings for Season \$2706.79
And Net Earnings " " \$1044.65

Cleveland Iron Mining Co

Report of Steam Hoist

Operating and Earnings

For Season of 1895

Cleveland Iron Mining Co
Statement of Supply and Equipment Accounts
 showing amounts on hand beginning each year
 (Dec. 1st)

	1893	1894	1895
<u>Hard Ore</u>			
General Supplies	388635	119538	122313
Iron & Steel	402972	267649	169072
Nails & Bolts	104418	90593	75377
Tools	80015	53112	50088
Pipe & Fittings	270514	148694	270661
Oil Grease & Candles	5362	273681	153733
Machinery Supplies	775064	441378	442659
Building Material	74340	47921	36280
Explosives	61251	55395	16979
Mine Timber	5719	4334	1882
Fuel	447347	368298	303434
Barn	61053	114115	81368
<u>Total</u>	2676690	1934708	1723851
<u>Mine Equipment</u>			
Barn Horses	55125	45563	53538
Barn Carts Wagons & Sleighs	32164	28947	30103
Diamond Drills	163267	128022	115220
Portable Machinery	195201	179373	350927
Power Drills	127575	127575	146475
Cars Skips & Derrick	125699	102868	81487
<u>Total</u>	699031	612348	777750
Scrap		85610	13346
<u>Total Hard Ore</u>	3375721	2632666	2514947
<u>Lane Mine</u>			
General Supplies	394630	86483	102528
Iron & Steel	159191	169638	88746
Nails & Bolts	2742	1739	4095
Tools	38842	26178	25467
Pipe & Fittings	35783	38393	6134
Oil Grease & Candles	3064	4175	16751
Machinery Supplies	212016	220558	150639
Building Material	1795	24659	7794
Explosives	3031	19401	29943
Mine Timber	724045	472473	253372
Fuel	448892	553572	748839
Timber Making	6352		
<u>Total</u>	2030383	1617269	1433708
Mine Equipment (Scrap)			2556
Portable Machinery	627728	559890	325124
Power Drills	461250	402368	346471
Cars Skips & Derrick	203818	869223	851568
<u>Total</u>	1292796	1831481	1523163
<u>Total Lane Mine</u>	3323179	3448750	2959427
<u>Grand Total Forwarded</u>	6698900	6081416	5474374

CHAS. 3785
 L.S.A. 847783

<u>Hematite</u>	1893	1894	1895
Boat Forward	66989 00	60814 16	54743 74
General Supplies	3327	9505	
Iron & Steel	33897	75431	
Nails & Bolts	3173	2710	
Tools	9735	2103	
Pipes & Fittings	27283	19577	
Oil Gravel & Candles	3883	3354	
Machinery Supplies	110632	90380	
Building Materials	8208	9886	
Explosives	8198	6352	
Mine Timber	62745	147886	
Fuel	271218	529903	
Barn	1409	3435	
<u>Total</u>	543708	850517	
Mine Equipment			
Portable Machinery	71692	71596	
Cars Skip & Derrick	12366	15475	
Power Drills	31500	28350	
Barn Horses	21375	19737	
" Carts Wagons & Sleighs	8400	7195	
<u>Total</u>	145333	142353	
Scrap		1464	
Total Hem. Mine	689041	994334	
Grand Total	7387941	7075150	5474374

During 1895 the Supply and Equipment accounts from Cleveland Hematite were transferred to Hard Ore Mine

Decrease - Per cent

4.21

22.6

Wendell Iron Mfg Co

Statement of Inventory

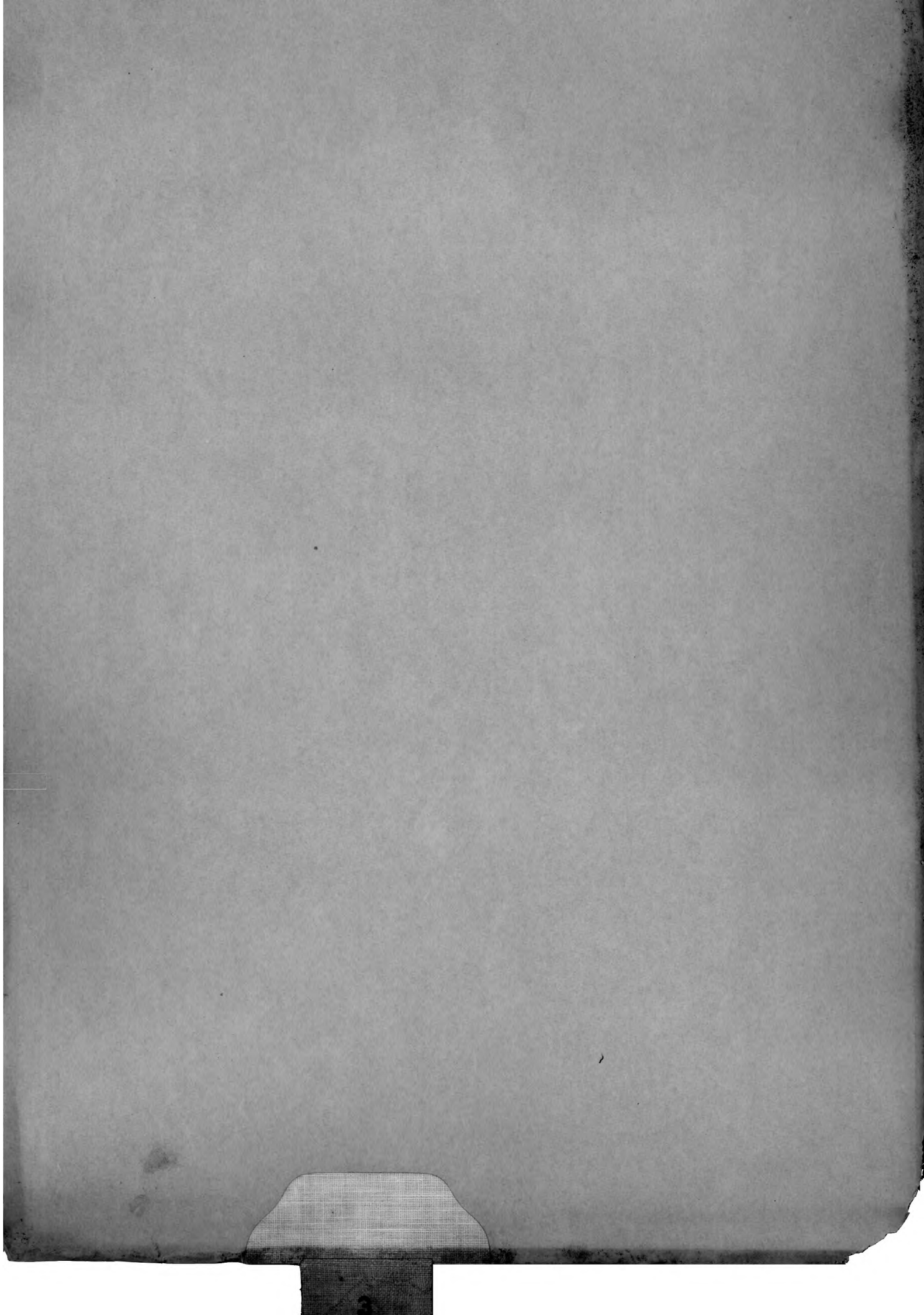
Balance for 3 years

1893 - 1894 - 1895.

10:00 PM Please study. I have
a little work and let me
know your opinion, can
you improve or
change to make and can
we use them to stimulate
customers to greater ease
7/19/11

AKL1146

Cleveland Iron Mining Co
Annual Report of
Mine Accidents
Year Ending Nov 30 '95.



IRON CLIFFS COMPANY.

DEPARTMENT OF MINES AND MINERALS.

ISHPEMING, MICHIGAN.

REPORT OF SUPERINTENDENT FOR YEAR ENDING DECEMBER 1st, 1895.

IRON CLIFFS COMPANY ,
DEPARTMENT OF MINES AND MINERALS
ISHPEMING, MICHIGAN.

Report of Superintendent for year ending December 1st, 1895.

W. G. Mather Esq.,
President, Iron Cliffs Co.,
Cleveland, Ohio.

Dear Sir:-

The closing statements have been sent you also the book of maps, which by comparison with last years book, will show the changes on each level during the year.

Following is report on the present condition of the property.

OLD BARNUM MINE. *Lease to L. S. I. Co. ?*

This mine was shut down on March 1st 1891, and amount of ore remaining is estimated at 30,000 tons. There is no ore on hand in stock pile. The mine is 362 feet deep and is dry, as the Lake Superior Hard Ore Mine is below it and keeps it drained. There is some ore in the bottom of this mine still going down, but to get it an auxiliary shaft would have to be sunk at some distance west of present bottom of the Shaft which is now up to the Lake Superior Line. The Lake Superior Iron Company, have mined up to the line in a few places and there is some ore showing at the line, and ore goes across the line at greater depth to the West. If some fair basis of royalty

could be agreed upon and they would mine the ore it would be a good thing for the Iron Cliffs Company, as it would not pay them to sink a shaft for it.

CLIFFS SHAFT MINE .

This mine stopped work July 1st, 1893.

Shipped during present year	-	-	4,973 tons	Cliffs Shaft Ore.
" " " "	-	-	<u>16,062</u>	" Barnum "
" " " "			<u>21,035</u>	" "
Ore in stock November 30th, 1895,			151,144	" Cliffs Shaft Ore.
" " " " " "			4,693	" Barnum "
" " " " " "			<u>155,837</u>	" "
Amount of ore in sight,	-	-	500,000	"

The water has raised to within 40 feet of the top of "A Shaft". The mine is 511 feet deep and was producing 190,000 tons a year when shut down.

ORE CRUSHING PLANT.

On account of limited sales the amount of ore crushed this year has been small and is as follows:-