

AGENT'S ANNUAL REPORTS AND
STATISTICS.

YEAR 1896.

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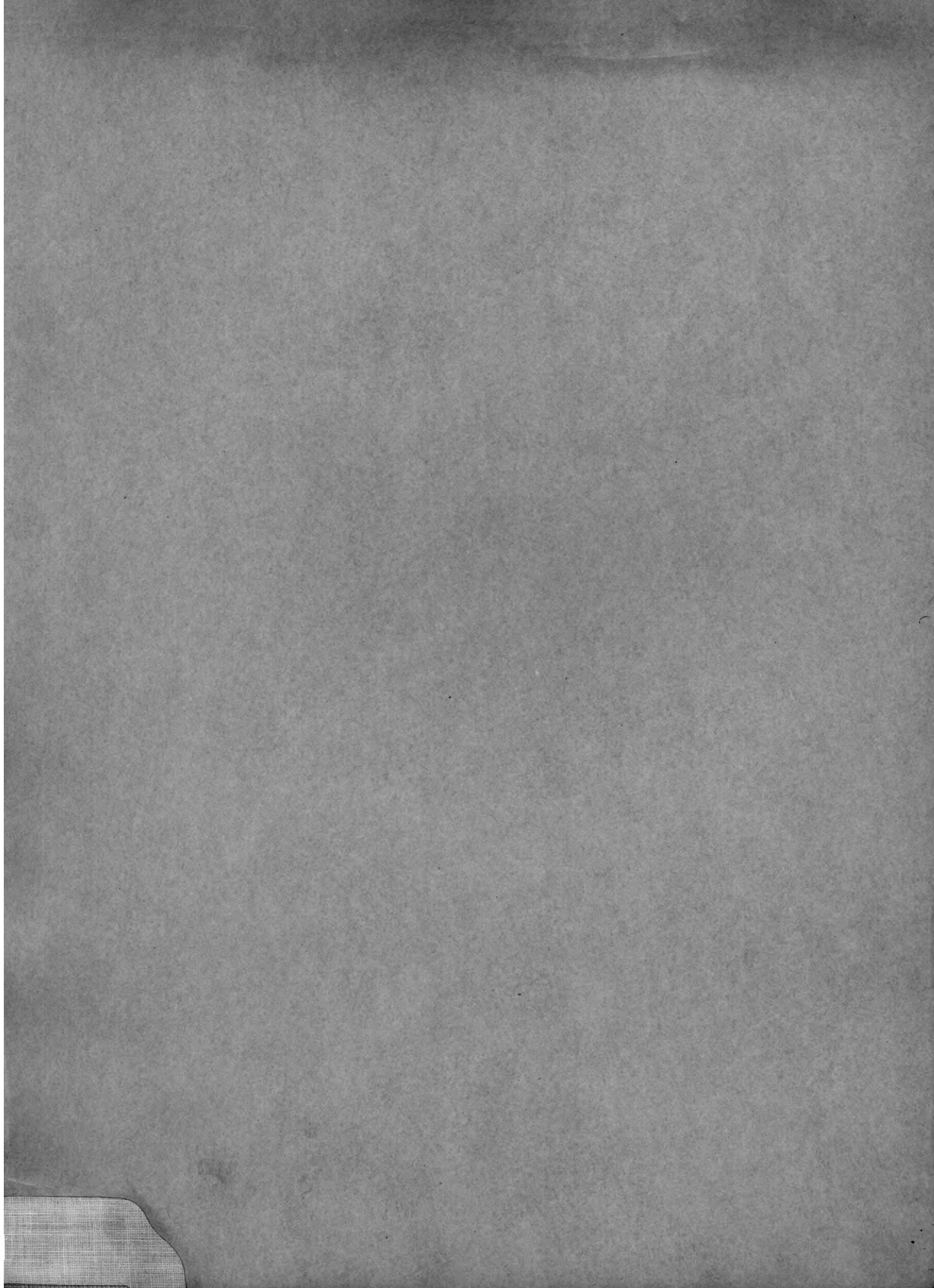
ANNUAL REPORTS AND STATISTICS

DEPARTMENT OPERATIONS

YEAR ENDING NOV. 30, 1 8 9 6

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2	" " " " Iron Cliffs Co.	2	✓
3	Furnace Department Manager's Annual Report Cleveland-Cliffs Iron Co.	3	✓
4	Land " Agent's " " All Companies	4	✓
5	" " " Semi-Annual Report Cleveland-Cliffs Iron Co.	5	✓
6	Vessel Department Operating Statistics Cleveland-Cliffs Iron Co.	6	✓
7	Annual Report Lake Superior & Ishpeming Railway Company, to Commissioner of Railroads	7	✓



Cleveland-Iron Mining Co.
Index, Miscellaneous Data, 1896

Mine Department

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Cleveland Iron Mng. Co.

Misc. Data

1896

CLEVELAND IRON MINING COMPANY.

Cost of Production for the Year ending November 30, 1896.

	HARD ORE						LAKE						HEMATITE					
	12 Month's ending Nov 30, 1896. 9942 Tons.						12 Month's ending Nov 30, 1896. 5153 1/2 Tons.						For 12 Mos. ending Nov 30, 1896. 710 Tons.					
	LABOR.		SUPPLIES.		TOTAL.		LABOR.		SUPPLIES.		TOTAL.		LABOR.		SUPPLIES.		TOTAL.	
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.	Amount.	Cost per ton.	Amount.	Cost per ton.	
GENERAL EXPENSE.																		
Motors &c																		
Stationery and Printing, Telephones and Telegraphing, Mine Office, Office Expenses and Contingencies, Office Furniture and Fixtures, Legal, Insurance, Taxes, Advertising, Engineering, Analysis, Relief Fund, General Office,	596.49		88.89		685.38		1749.06		469.14		2218.20		0.07		11.69		11.69	
Total,	1115.41		112.11		1227.52		2498.12		638.28		2836.40		0.85		13.60		13.60	
MAINTENANCE—Repairs of																		
Tracks and Yards, Docks, Trestles and Pockets, Buildings, Shop Machinery, Boilers, Hoisting Machinery, Compressors and Air Pipes, Cornish Pumps, Steam Pumps, Tram Engines on Top, Portable Machinery, Skips and Skip Roads, Underground Tracks and Cars, Mining Boilers, Engines, Electric Drive, Shaft, etc., Shaft Expense	206.61		161.70		368.31		3126.78		212.33		3339.11		0.11					
Total,	1069.49		108.14		1177.63		2488.91		824.66		3313.57		0.35					
MINING EXPENSE.																		
Air Pipes, Compressors, Hoisting, Wire Rope, Skips and Pulley Stands, Steam Pumps, Sinking, Drifting, Breaking Ore, Framing, Filling, Timbering, Mining Captain and Bosses, Dry House, Top Landing and Trammings, Loading, etc., Shipping					10075.20		160672.01		51047987.54		152708659.55		6.62					
Total,					10075.20		160672.01		51047987.54		152708659.55		6.62					
LOADING AND SWITCHING.																		
Loading by Steam Shovel, " " Hand, Sorting Ore, Total Loading Stock Pile, Loading at Pocket, Crushing Ore, Stocking Ore, Shipping Ore	905.67		82.00		987.67		206.72		1508.72		1508.72		0.24		39.13		146.51	
Total,	905.67		82.00		987.67		206.72		1508.72		1508.72		0.24		39.13		146.51	
EXPLORATORY EXPENSE.																		
Exploring at Mines, Exploring Outside,					382.28		3208.67		192.12		370.91		0.01					
Total,					382.28		3208.67		192.12		370.91		0.01					
DEPRECIATION.																		
Inventory Accounts, Improvement Accounts, New Construction Accounts, etc.																		
Total,																		
EXTRAORDINARY COSTS AND CREDITS.																		
Repairs of Rented Houses, Land Improvements,					1009.30		873.26											
Total Debit,					1009.30		873.26											
CREDITS.																		
House Rents, Land Rents, Office Rent, Sundry Credits					2378.90		1998.24										97.45	
Total Credit,					2378.90		1998.24										97.45	
Net Cost,					1009.30		873.26											
Com. and Gen'l Exp., Cleveland Office, Improvement not sunk off, New Construction not sunk off,					24638.28		2478				33000.72		1.24				1392.79	
Total,					24638.28		2478				33000.72		1.24				1392.79	
Grand Total,					24638.28		2478				33000.72		1.24				1392.79	
Sinking, Drifting,	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,	Feet,	Cost,	Cost per Foot,
				2659		9529.80			3.58									

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

180 Mos. Tons
180 Mos. Tons
180 Mos. Tons

Cleveland Iron Mining Co.

Hard Ore, Lake^{and} Huron MINE'S

COST SHEET FOR 12 MONTH'S

Ending November 30th 1896

CLEVELAND IRON MINING COMPANY.

Corrected
Weekly Mine Report, for the Week Ending November 30th 1896

	ROCK.	ORE.	PREVIOUS FOR MONTH.	TOTAL FOR MONTH.	TOTAL FROM DEC. 1, 1895.	IN STOCK DEC. 1, 1895.	TOTAL.	SHIPMENTS TO DATE FROM DEC. 1, 1895.	BALANCE ON HAND.	AVERAGE DAILY ORE HOIST.			REMARKS.
										Week.	Month.	Year.	
No. 3 Mine,	Excess				17228	6573	23801	15796	8008				
Moro Mine,	Excess				6736	4984	11720	11720	0				
Incline Bessemer,													
“ Non-Bessemer,								19516					
Saw Mill Bessemer,	Excess	1223		1223	7971	0	7971	7971	0	36	36	56	
“ Non-Bessemer,	Excess	511		511	1517	0	1517	487	1030				
“ Bessemer (3rd South)	Excess	108	144	346	454	0	454	414	40				
Total from Hard Ore Mines,		2044	144	2188	33906	11557	45463	36388	9075	76	86	155	
Lake,	Excess	1940	8380	10320	52447	68	52515	44592	7348	378	647	516	184
Lake Bessemer No. 1,					4355	19	4374	4374	0				161
“ “ 2,	Excess	447	6751	8766	89204	46	89250	82487	6763	467	428	310	
East End Bessemer,					90713	103	90818	40263	50555				626
Silica		0	849	849	33215	0	33215	31318	1897	Shortage	70	232	
Hematite, Delphening		0	0	0	47668	0	47668	45775	1893				185
					317604			348809					
					2275								
					315329								
Hematite						105073	105073		0	105073			
Total from Hematite Mines,		4417	15980	20397	317604	105311	422915	248809	174106	1114	1014	1698	
Grand Total,		6461	16124	22585	351510	116868	468378	288197	180906	1190	1100	1853	
Rock, previous for Month,		0			2275								
“ total “ “		0			349235								
“ “ from Dec. 1, 1895		0											

Of the shipments reported to date, 754 tons Lake and 1327 tons Lake Bessemer No. 2, enter into shipments for fiscal year ending Nov. 30-1895.

11 22 26
22 27 5

Cleveland Iron Mining Co.

ORE MINED AND SHIPPED

For Week ending Nov 30 1896

Connected Report

Cleveland Iron Mining Company
Report of Electric Hoisting, Trimming and Felling Expense
For the Year Ending Nov 30th 1896

Lads Mine	Labor		Supplies		Total	Cost
	Amount	Amount	Amount	Amount	Per Ton	
Operating Motor						
Motor and Draxmen	4169 51	432 59	4602 10		0 41	
Chick Men	6342 90	287 44	6630 34		0 59	
Proportion of Engine House Expense	1226 00	3371 52	4597 52		0 41	
Motor Expense Total	11738 41	4091 55	15829 96		1 41	
Divided as follows:						
8492 Cars Felling Lark	967 87	349 48	1317 35			
99881 " Trimming Ore	10395 37	3610 53	14005 90			
3487 " " Timber	375 17	131 54	506 71			
111860 " Total	11738 41	4091 55	15829 96			1 41
						Per
						Ton
Felling Lark 8492 Cars						
Proportion of Motor Expense	967 87	349 48	1317 35			1 49
Expense of putting away	4266 42	172 44	4438 86			5 23
	5234 29	521 92	5756 21			6 72
						Per
						Ton
Trimming Ore 31237 1/2 Tons						
Proportion of Motor Expense	10395 37	3610 53	14005 90			0 45
Trimming and Skip Loading	8866 15	244 53	9110 68			0 28
	19261 52	3855 36	23116 88			0 73
						Per
						Ton
Trimming Timber 3487 Cars						
Proportion of Motor Expense	375 17	131 54	506 71			1 45
	375 17	131 54	506 71			1 45
Grand Total	24870 98	4508 82	29379 80			
Summary of Charges						
Felling Lark	5234 29	521 92	5756 21			
Trimming Ore	19261 52	3855 36	23116 88			
Trimming Timber	375 17	131 54	506 71			
Total	24870 98	4508 82	29379 80			

Las Vegas

Statement Elec. Haulage

Year Ending Nov 30th 1896

Cleveland Iron Mining Co.

Laboratory Statement for the year ending November 30th 1896.
Showing Earnings and Expenditures

	Labor		Supplies		Total		No. of Days	Cost Per Ton	
December	181	75	69	01	250	76	697		359
January	184	00	71	08	255	08	894		292
February	182	79	110	62	293	41	1016		288
March	186	21	46	75	232	96	1161		201
April	181	09	85	46	266	55	936		285
May	182	47	85	12	267	59	1476		181
June	185	30	107	90	293	20	1800		163
July	186	19	99	28	285	47	1899		150
August	184	21	35	71	219	92	1372		160
September	185	12	53	14	238	26	1665		143
October	186	10	87	02	273	12	1892		146
November	180	28	59	22	239	50	1397		171
Total	2205	51	910	31	3115	82	16165		193

	Hard Ore			Lake			Iron Cliffs Co			Wm. Powell & Co			Various Persons		
	Date	Price	Amount	Date	Price	Amount	Date	Price	Amount	Date	Price	Amount	Date	Price	Amount
December	15	.45	6.75	391	.45	175.95	285	.45	128.25				6	.45	2.70
January	1	.45	45	487	.45	219.15	371	.45	166.95	15	.45	6.75			
February	4	.45	1.80	563	.45	253.35	441	.45	198.45	4	.45	1.80	4	.45	1.80
March	15	.0249	37	666	.0249	16.59	465	.45	209.25	15	.45	6.75			
April	4	.179	52	532	.179	88.60	376	.45	168.30	4	.45	1.80	14	1.00	14.00
May	24		760				684	.45	307.80	8	.45	3.60	8	1.6675	13.33
June	12	.0614	74	1318	.0614	80.96	466	.45	209.70	4	.45	1.80			
July	4	.150	60	1487	.150	223.05	406	.45	181.80	4	.45	1.80			
August	2	.160	32	1015	.160	162.60	353	.45	158.85	2	.45	.90			
September	26	.143	372	1308	.143	187.17	377	.45	147.15	4	.45	1.80			
October	38	.1459	554	1470	.1459	209.18	406	.45	181.80	10	.45	4.50			
November	25	.174	429	1033	.174	177.06	316	.45	142.20	23	.45	10.35			
Total	170	.148	2510	10980	.161	1771	6648	.45	2900.50	93	.45	41.85	37	.995	31.83

Charged to outside Mine @ .45^c per determination
No Cost for determination to C. I. M. Co. for May.

Total Laboratory Earnings	4070.94
" " Expenditures	3115.82
<u>Net Earnings</u>	<u>955.12</u>

On basis of former Cash per determination, .45^c

16165 Dep. during year @ .45 ^c	7274.25
16165 " " " .193	3115.82
<u>Saving in Cash to C. I. M. Co.</u>	<u>4158.43</u>

Cleveland Iron Mfg Co.

Laboratory Report

for year ending Nov 30 '96.

Arroland Iron Mining Co
Report of Operation and
Earnings Steam Hoop:
for Season 1896.

Month	Quantity	Value	Cost	Profit	Total
Jan	100	1000	500	500	1000
Feb	150	1500	750	750	1500
Mar	200	2000	1000	1000	2000
Apr	250	2500	1250	1250	2500
May	300	3000	1500	1500	3000
Jun	350	3500	1750	1750	3500
Jul	400	4000	2000	2000	4000
Aug	450	4500	2250	2250	4500
Sep	500	5000	2500	2500	5000
Oct	550	5500	2750	2750	5500
Nov	600	6000	3000	3000	6000
Dec	650	6500	3250	3250	6500
Total	4000	40000	20000	20000	40000

Item	Quantity	Value
Iron Ore	1000	10000
Coal	500	5000
Wages	200	2000
Expenses	100	1000
Total	1800	18000

Arroland Iron Mining Co
Report of Operation and
Earnings Steam Hoop:
for Season 1896.

Total
Total
Total

Cleveland Iron Mining Co.

analysis of our Purchased Account

Month	Purchased	Shipped as	Tons	Price	Amount
1896 July	Salis. Silica	Lake Silica	964 2080	avg 1.220	1181 47
Aug.	"	"	650 1660	.90	585 62
	"	"	304 860	.95	292 01
	Salis. Bess.	Lake Bess #2	59 1840	2.85	170 49
	Salis. Silica	Lake Silica	138 190	.90	124 28
	Cliffs Shaft	Cleve. Scotch	388 1200	1.55	602 23
Oct.	Salis. Bess.	Lake Bess #2	198 980	2.63	521 89
	Salisbury	Ishpeming	47 1370	.73	34 76
Nov.	Barnum	Cleve. Bess.	434 1740	1.65	717 38
	Salisbury	Cleve. Lake	341 1560	1.35	461 29
	Hitchfield	" "	311 1010	1.35	420 46
May	Barnum	Cleve. Bess.	120 380	1.70	205 99
"	Cliffs Shaft	Scotch	198 1080	1.55	307 65
			4166 270		5625 52

Nov. 30. '06
 #1194H

N. B. This does not include
 141 tons Sharon Ore Aug
 12950 " Michigan
 transferred from Mich. Co's books

1/8/97

Cleveland Iron Mining Co
Detail of "Accounts Receivable" November 30th. 1896.

N. O. Lot Repts Recd.		78459
Marg. " " "		128356
Net " " "		192885
Miscell. " " "		18482
Hum. " " "		3370
Various Persons		136825
Jos. Fawc	1500	
Meg ^{and} Ish. St Ry ^{and} Elec. Co.	150	
J. B. Fowle	739	
Lake Superior Iron Co	60	
Jenkins ^{and} Horffer	1250	
Anthony Powder Co	150	
D. S. S ^{and} A. Ry. Co	300	
Samuel Hoar	9407	
P. J. Drew	510	
Iron Cliffs Co. (Drew)	380	
E. A. Doty	5975	
Thos. Haver	2975	
J. H. Nelson	3575	
Phil Papin	2975	
Thos. Bugzo	8371	
Consolidated Mining Co	120	
Lake Superior ^{and} Sh. Ry. Co	37294	
Cleveland Refining Co	3444	
A. J. Jungbluth	3600	
J. H. Bargh	2971	
J. H. Martin	2400	
H. M. Sterling	1800	
A. E. Bugzo	2400	
J. L. Christian	1800	
Rich. Thomas	2979	
M ^r Howell ^{and} Co. No 3 Saw Mill Cont.		117066
Iron Cliffs Co.		480011
<u>Total</u>		<u>1155254</u>

1/8/97.

Cleveland Iron Mining Co.
 Detail of "Accounts Payable" November 30th 1896.

Pay Rolls		1271567
Bills Audited		71838
D. S. S ^{and} A. Ry. Co.	100	
C ^{and} N. W. Ry. Co.	229	
The Western Express Co	165	
Benefit ^{and} Sufferer Fund	10100	
Dshpening City Water Works	15500	
Postal Vllg- Cable Co	35	
N ^g and I ^{sh} . S ^t Ry ^{and} Elec. Co	4361	
Richard's ^{and} Linn	300	
Jno. Davidson	360	
Fred J. Eggan	175	
N. F. Heyer	675	
Jno. W. Jochim How. Co. L ^{im} td.	545	
Mauhard ^{and} Japling How. Co. L ^{im} td.	240	
A. N. Myers ^{and} Co	175	
C. Olson	755	
Fred P. Tillson	495	
Naughton ^{and} Co	3924	
J. Tribilcock	218	
American Express Co	155	
Chas. A. Eggers	100	
Geo. A. Newell	1600	
Columbian Fur. Co	250	
Mrs Celia Northie	100	
McC. Bucyrus S. S ^{and} N. Co	2176	
E. H. Sargent ^{and} Co	4480	
Cameron, Aubrey ^{and} Co	601	
Eugene Ditzgen Co	522	
Sweet Nallack & Co	50	
Knapp ^{and} Esser Co	1035	
Degamer Land Dept	1150	
Iron Bliffs Co	3360	
Western Union Vllg. Co.	1556	
Alf A. Cameron	2937	
Republican Campaign Fund	5000	
L. S ^{and} S. Ry. Co	8666	
Unclaimed Wages		68243
Accident Claims		50000
Swan Erickson	50000	
W ^m Howell ^{and} Co No 3 Mine Cont.		19159
W ^m Howell ^{and} Co No 2 S. M. "		99716
Dshpening City Water Works		8100
Breck ^{and} Nauderenter		43400
<u>Total</u>		<u>1632023</u>

Spokane Iron Co.

Details of Accounts Receivable
and Accounts Payable.

Aug 30th 1896.

Statement of Lake Ore for the year
Ending Nov. 30-1896

		On hand at Mine Nov. 30-1895	687 tons	
		Produced during year	52447	52515 tons
		Cash and Bess at Lake (Memo Shipments)		7278
		Deshpeming " " " "		301
Nov	3	" " " " Kalizuga		147
"	"	Salisbury " " "		341
"	"	Litchfield " " "		312
				<u>5319</u>
				60894
		Shipped to Elk Rapids	11451 tons	
		" " Ashtabula	15937	27388 tons
		Lake as Salisbury (Memo Shipments)		1005
		" " Lake Bess No 2. " "		137
July	14	" " Deshpeming, Saveland		139
"	19	" " " " Frontenac		398
Aug	5	" " Salisbury Saveland		338
		Shipped to Austria	812	
		" " Pioneer Furnace	22000	22812
		On hand at Mine Nov. 30-1896		5717
		Shortage		7546
		Lake ore produced in ^{dec} 1896 which was included in shipments for year ending Nov. 30-1895		378
				<u>754</u>
				60894

The item of 52447 tons Lake Ore produced, does not include 13659 tons produced at Lake and transferred to Deshpeming, the same being taken care of in Deshpeming %c.

Statement Lake Ore
Year Ending Nov. 30-96.

Statement of Lake Bess No. 1. Ore

Year ending Nov. 30-1896

	On hand at Escanaba Nov. 30-1895.			2847 tons
	" " " Mine Nov. 30-1895			19
	Produced during year			4355
				<hr/> 4658
	Shipped to Ills. St. Leo.	2013 tons		
	" " Pioneer Furnace	2076		4089 tons
Nov 7	Lake Bess No. 1. as Lake Bess No. 2. Christie			569
				<hr/> 4658

Statement of
Lake Bass, No. 1. Ore
Year Ending Nov 30-96.

Statement of Scotch Ore Year ending Nov. 30-1896

	On hand at mine Nov. 30-1895	More SH Pile	4984	Tons	
	" " " " " " " " No 3. SH Pile		6573		11557 Tons
	Excess on More Pile		6736		
	" " No 3. " (Estimated)		17228		23964
	Produced Sawmill Mine				1517
May 16	Crushed bl. Shaff as Scotch, Forest City		198		
Aug 8	" " " " " " " " Planck		388		586
					<u>37624</u>
	Shipped to Cleveland		19159	Tons	
	" " Sandusky		8485		27644 Tons
June 20	Scotch as crushed bl. Shaff. Pioneer		112		
Nov 22	" " " " " " " " Pioneer		558		670
	" " " " " " " " (Trans. Shipments)				275
	On hand at Mine Nov. 30-1896				8589
	No. 3. Stock Pile		8005		
	Sawmill " "		1030		9035
					<u>37624</u>

Statement Scotch Ore

Year Ending Nov 30-96.



Statement of Cleveland Bessemer Co.
Year Ending Nov. 30-1896

		Outland at Escanaba Nov. 30-95		4147 tons
		Produced during year		8425
		Barum as levee Bess. (Trans. Shipments)	121 tons	
Nov. 20	" " " "	Fontana.	240	
Dec. 5	" " " "	Fontana.	195	556
				<u>9425</u>
		Shipped to Cleveland.		4237 tons
		" " Arrow		3862
Nov. 20		gleve. Bess. as Barum Kaliyuga	299 tons	
Dec. 1	" " " "	Pioneer	351	
" 4	" " " "	Kaliyuga	445	
		" " " (Trans. Shipments)	191	1286
		Outland at Mine Nov. 30-1896		40
				<u>9425</u>

Statement of Lake Bess, No. 2. Ore
 Year ending Nov. 30-1896.

		Cleveland Escanaba Nov. 30-95				646	Tons
		" " at Mine " " "				46	
		Produced during year				89204	
		Lake as Lake Bess, No. 2 (Memo. Shipments)				137	
		Salis. Bess, as. Do. " "				<u>198</u>	
Nov	7	Lake Bess #1 as Lake Bess #2 Glenistic				569	
July	29	East End Bess " " " " Forest City				<u>109</u>	
"	"	Salis Bess " " " " Forest City				60	
						<u>90969</u>	
		Shipped to Dills. Steel Co.				736	Tons
		" " Lorain				4534	
		" " Cleveland				25801	
		" " Ashtabula				<u>50909</u>	
						81980	Tons
Aug	11	Lake Bess #2 as East End Bess, Mc Gregor				81	
		" " " " Salisbury (Memo. Shipments)				175	
		" " " " Salis Bess " "				<u>643</u>	
						89204	
		Cleveland at Mine Nov 30-96				<u>6763</u>	
		Lake Bess No. 2 produced in Dec. 1896, which was included in shipments for year ending Nov. 30, 1895				1327	
						<u>90969</u>	

The item 89204 tons produced during year does not include 90187 tons produced as Lake Bess, No. 2 and transferred to East End Bess, the same being taken care of in East End Bess Co.

Statement of-
Lake Bass #20w for
year ending Nov 30-96

Statement of
Cash and Bess. are
year ending Nov 30-96

Statement of
Lake Silica Co
Year Ending Nov 30-96

Statement of Ishpeming Ore
Year Ending Nov. 30-96

	Produced during year				47668 Tons
	Salisbury as Ishpeming (Memo. Shipments)				48
July 14	Lake as Ishpeming Cleveland		139 Tons		
" 19	" " " " Frontenac		398 Tons	537	
				<u>48253</u>	
	Shipped to Gaylord Iron Co.		393 Tons		
	" " N.W. Iron Co.		8074		
	" " Spring Lake I. Co.		5085		
	" " Toledo		1959		
	" " Cleveland		24256		
	" " Ashtabula		6125	45892 Tons	
Nov 3	Ishp. as Lake, Kalamazoo		147		
	" " " (Memo. Shipments)		301	448	
	Loss in wreck L.S. & D. Ry. Aug 14.			20	
	On hand at Mine Nov 30-96			1893	
				<u>48253</u>	

The item 47668 tons produced includes 13659 tons produced as Lake and transferred to Ishp.

Statement of
Disbursements
Year Ending Nov 30-96

Sales of Cleveland Bessemer

at mine			at marquette			at Lake Erie		
Tons	Price	Amount	Tons	Price	Amount	Tons	Price	Amount
mar						25	100	4.50 112.50
may						1632	1620	3.30 5387.93
Oct						208	1180	4.50 1208.37
"						1589	640	4.45 7072.32
Nov	91	610	3.18	290	205	1094	1540	3.50 3831.41
	99	1490	3.18					31736
	191	160	3.18	607	61	1094	1540	3.50 3831.41
			average			3245	1300	3.874
								12701.37
								424.24
								160.64
								13286.25

Recapitulation

4561.760 3.756 17140.39
 584.88
 17725.27

Sales of Cleve. #1 Ore

Date				At Mines			At Lake Erie		
	Tons	Price	Amount	Tons	Price	Amount	Tons	Price	Amount
1895 Dec.							191	⁹⁶⁰ 3.00	574 28
1896 April							92	²⁰²⁰ 5.25	464 50
July				200	1.00	200 00			
				200	1.00	200 00	284	⁷⁴⁰ 3.653	1038 78
						✓			✓

Recapitulation

200		200 00
284	⁷⁴⁰	1038 78
484	⁷⁴⁰	1238 78
	2.553	
		✓

	740 000	330
484	6720	2.559
2,559	6800	2970
<u>4356</u>	6720	1650
2420	800	1650
2420		660
96.8		<u>.844470</u>
1738.556		
884		
<u>1738.640</u>		

484.33	1238.78000	2.558
	<u>96866</u>	
	270120	
	<u>242165</u>	
	279550	
	<u>242165</u>	
	373850	
	<u>435897</u>	

Sales of Cleveland Scotch

(Commissions of L. & R. Wistar Co. deducted)

	At Mines			At Marquette			At L. E. Parts		
	Tons	Price	Amount	Tons	Price	Amount	Tons	Price	Amount
Dec							2966	1910	2.475 7342 95
Jan.							1303	2080	2.475 3227 22
Feb.							2073	730	2.475 5131 48
Mar							3662	2170	2.475 9065 82
April							587	1820	2.425 1425 43
May	156	880	1.23	192	36				
July	118	1950	1.23	146	201	1.55	173	85	
Nov				558	1150	1.55	865	68	2619 290
	745	590	average 1.23	338	57	670	1490	1.55	1039 53
				275	590		338	57	
				670	1490		1039	53	
				10594	1990		26192	90	
				11540	1830	average 2.389	2757	100	

26192.90

512.42

26705.32

Sales of Crushed Scotch Ore

Lake Erie

Tons Price Amount

1542 ²²²⁰ 2.475 381889

2037 ¹⁸⁷⁰ 2.475 504308

1617 ²²⁰ 2.475 400341

1449 ¹⁵⁴⁰ 2.475 358496

6647 ¹⁸⁷⁰ average 1645334
2.475 ✓

Sales of Fine Scotch

278 ¹⁰³⁰ average 2.24 623.48 ✓

Sales of Hematite

2023 840 458440

124 1840 40564

13 2180 4443

2162-410 ^{average} 3.717-8 03780 ✓

Sales of Lake Bessemer #1

	at mine			at Marquette					
	Tons	Price	Amount	Tons	Price	Amount	Tons	Price	Amount
april	1765	3.25	5736.25						
May	228	3.25	741.00						
July	1763	3.08	5431.64						
Aug	311	3.08	960.60						
Nov				569	3.25	1850.42			
	4068	3.138	12869.52	569	3.25	1850.42			

Recapitulation

average
 4637 1740 3.174 14719.94

Sales of Lake Piss. #2 Ore

	at Mines			at Chicago & Marquette			at Lake Erie				
	Tons	Price	Amount	Tons	Price	Amount	Tons	Price	Amount		
Dec							1530	1450	3.50	5357.26	
Jan							1408	1530	3.50	4930.39	
Apr							2838	480	3.50	9933.45	
May				at Chicago							
				442	-	4.07	1798.94	904	1190	3.50	3165.85
				ch							
June				288	-	4.07	1172.16	6854	1690	3.90	26733.54
July								2646	1560	3.90	10322.11
				ma							
Aug				108	1620		319.38	3505	400	3.90	13640.41
				ma							
				81	1310	2.30	187.65				
Sept								8145	1350	3.90	31767.85
Oct								9644	240	3.90	37612.01
				ma							
Nov	818	580	2.63	215202	569	810	185042	5524	1490	3.90	201546.19

	818	580	2.63	215202	596	1120	1982.15	43003	480	165039.66		
					Chicago			596	1120	1982.15		
				✓	730	-	4.07	✓	2971.10	42406.1600	3.854	163057.51
												340000
												168457.51

Recapitulation

43954	-2180	3.826	168180.63
			340000
			171580.63

108-1620

569. 810

678 $\frac{2430}{2240}$
190

Sales of East End Bessemer

	at mine				at Marquette				at Lake Erie				
	Tons	Price	amount.		Tons	Price	amount		Tons	Price	amount		
Dec										2599	1240	3.25	844855
Jan										1099	40	3.25	354180
Mar										1456	360	3.25	473252
apl										13	2180	3.25	4443
										23	480	3.65	8473
aug					108	1620	2.95	31938	1536	1660	3.25	499440	
					81	1310	2.30	18765					
Oct	5106	250	1.30	663495									
Nov	1544	2010	1.30	204434									
	6681	20	1.30	868532	27	310	4.852	13173	6400	1600	3.251	2178757	

✓

✓

✓

Recapitulation

134081930 2.282 3060462

Sales of Lumber

	At Mine			At Marquette & Escanaba			At Lake Erie		
	Tons	Price	Amount	Tons	Price	Amount	Tons	Price	Amount
June	180 1400	1.00	180 620				1501 1760	2.10	3153 73
July	358 1630	1.00	358 720	185 1950	1.32	245 3519	391400	2.00	3879 25
				720 820	—	108 469			
Aug.	2378 1330	1.00	2378 58	918 440	1.50	1473 93			
Sept.	5175 1300	1.00	5175 58						
Oct.				3116 2080	1.50	4675 38	3749 490	2.00	7498 70
Nov.				147 1270	1.35	199 202	2860 1450	2.00	5721 28
	8093 1180	1.00	8093 50						

Marquette

8093 1180	1.00	8093 50	333 980	1.333	444 57	10051 920	2.014	20252 98
			Escanaba					
			✓ 4755 1100	1.428	✓ 7098 32			

Recapitulation

average
 23233-1940 1.543 35869 34

Sales of Cave Lake

at Mine				at Escanaba + Marquette				at Lake Erie							
Year	Tons	Price	Amount	Tons	Price	Amount	Tons	Price	Amount						
Dec	2425	1.860	1.50	3638	74		500	-	2.00	1000	00				
Jan	895	840	1.50	1343	06		2831	260	2.00	5662	23				
Feb							1780	1000	2.10	3560	89				
Mar							1785	250	2.00	3570	22				
Apr	197	430	1.20	236	63		2976	560	2.00	5952	50				
May	711	130	1.25	888	82		2633	730	2.00	5266	65				
	615	260	1.20	738	13										
	1738	1850	1.15	1999	64										
June	1548	530	1.20	1857	88										
	166	660	1.15	191	23										
July	3000	1070	1.20	3600	56										
	299	1580	1.15	344	66										
Aug	3199	1500	1.20	3839	57	139	740	1.50	211	80					
	2269	2130	1.15	2610	44	397	1580	1.25	497	13					
	383	380	1.33	509	62	338	180	1.65	557	83					
	143	2160	1.30	187	15										
	1540	860	1.20	1848	45										
Sept	4380	130	1.15	5037	06										
	478	590	1.30	621	74										
Oct	6432	1500		7470	12										
Nov	4695	860		5340	17				998	1880	2.30	2297	33		
	35121	1400	1.205	42333	67	2537	110	1.320	408	93	13505	200	2.022	27309	82
						7338	180	1.65	557	83					
						Recapitulation									
						49501	1890	1.472	70910	25					

Sales of Lake Silica

At Mine				At Escanaba + Marquette				At Lake Erie						
Tons	Price	Amount		Tons	Price	Amount		Tons	Price	Amount				
Dec								431	410	2.50	104495			
Jan								619	190	2.50	154741			
Apr								358	1080	2.50	896200			
May	2872	490	.90	2585	11	1136	1860	1.40	1591	56	1226	1170	2.00	245305
					ε									
					m	748	430	1.05	785	75				
June	2213	290	.90	1991	81				188	380	1.90	35452		
					m									
July	4746	2030	.90	4272	19	2051	1150	1.20	2461	82	523	480	1.90	99410
					m									
Aug	652	1970	.90	587	58	673	810	1.20	808	04	447	1720	1.90	85075
					ε									
					m	2723	470	1.40	3812	68				
Sept.	1180	460	.90	1062	18						474	2040	1.90	90233
Oct	603	530	.90	542	91									
Nov.	773	1280	.90	696	21									
	377	1680	.50	188	87									
	398	930	.73	290	84									
						ε								
	13818	1000	.884	12201	740	3860	390	1.40	5404	24	4269	750	2.126	907961
						m								
					✓	3473	450	1.167	4055	61				✓

Recapitulation
average
25421-350 1.209 3075416

Sales of Charon

at Lake Erie

	Tons	Price	amount	Tons	Price	amount	Tons	Price	amount
April							2961860	^{average} 2.313	68664

Sales of Michigamme

Dec							1248 2080	2.475	3091.09	
Jan							1591 2010	2.445	3939.94	
apl							6138	2.30	14887.05	
May							2864	1520	242 1/2	6954.10
								^{average} 2.438	28872.18	
							9006	1510	202 1/2	21841.15

Cleveland Iron Mining Co.

Report of Accidents - Underground and Surface for Year Ending November 30th 1896.

	Hard Ore Mine						Lake Mine						Grand Total						Per Cent of Each Class of Injuries																	
	Underground		Surface		Total		Underground		Surface		Total		Underground		Surface		Total																			
Minor Accidents	Days	Amount	Days	Amount	Days	Amount	Days	Amount	Days	Amount	Days	Amount	Days	Amount	Days	Amount	Days	Amount	Days	Amount																
Fingers							8	295	227	98	1	29	24	16	9	324	252	14	8	295	227	98	1	29	24	16	9	324	252	14	237					
Hands							1	24	16	00					1	24	16	00	1	24	16	00					1	24	16	00	026					
Arms							1	26	21	66	1	61	50	84	2	87	72	50	1	26	21	66	1	61	50	84	2	87	72	50	053					
Feet			4	62	51	64	4	62	51	64	3	32	24	66	3	32	24	66	3	32	24	66	4	62	51	64	7	94	76	30	184					
Legs							7	124	96	96	2	101	84	18	9	225	181	14	7	124	96	96	2	101	84	18	9	225	181	14	237					
Body							7	168	130	30					7	168	130	30	7	168	130	30					7	168	130	30	184					
Eyes																																				
Head							3	62	49	98					3	62	49	98	3	62	49	98					3	62	49	98	079					
Total Minor Accidents			4	62	51	64	4	62	51	64	30	731	567	54	4	191	159	18	34	922	726	72	30	731	567	54	8	253	210	82	38	984	778	36	1000	
Total Fatal Accidents											6		3032	50					6			3032	50				6			3032	50					
Total Minor & Fatal Accidents			4	62	51	64	4	62	51	64	36	731	3600	04	4	191	159	18	40	922	3759	22	36	731	3600	04	8	253	210	82	44	984	3810	86		
Payments in 1896 for Accidents in 1895																																				
Amount refunded to Inj. & Cos. Men collected in 1896																																				
Grand Total			4	62	51	64	4	62	55	54	36	731	3600	04	4	191	159	18	43	1527	4242	54	36	731	3600	04	8	253	210	82	47	1589	4298	08		

Recapitulation from Accident Report for Year Ending November 30-1896	Hard Ore Mine	Lake Mine	Total
Men Employed Underground	13	275	288
Minor Accidents per annum per 1000 men Underground	0	109	104
Fatal " " " " 1000 " "	0	22	21
Men Employed on Surface	28	60	88
Minor Accidents per annum per 1000 men Surface	143	66	91
Fatal " " " " 1000 " "	0	0	0
Total Men Employed Underground & Surface	41	335	376
Minor Accidents per annum per 1000 men & Surface, Underground	98	102	101
Fatal " " " " 1000 " & Surface	0	18	16
Number days paid men from Benefit Fund	62	1527	1589
Average per day	83 ¹ / ₂	79 ¹ / ₂	79 ¹ / ₂
Total amount paid during year	5654	4242.54	4298.08

Statement showing amount paid from Benefit & Suspense Funds: Number of accidents and time lost each year from Dec. 1 st 1891. Also - credits to Benefit & Suspense Accounts Nov. 30 th 1896.															
Year Ending	Hard Ore				Lake Mine				Hematite				Total		
	Days	Lost	Amount Paid	Days	Lost	Amount Paid	Days	Lost	Amount Paid	Days	Lost	Amount Paid	Days	Lost	Amount Paid
Nov. 30-1892	48	1483	3785	66	47	1679	1783	46	18	539	914	20	113	3701	6483
" " -1893	14	798	631	70	51	2494	1959	48	8	316	1244	32	73	3608	3835
" " -1894	8	313	609	80	33	1642	1271	96	15	257	721	56	56	2212	2603
" " -1895	2	27	18	00	43	1261	1733	14	15	217	177	40	60	1505	1928
" " -1896	4	62	55	54	43	1527	4242	54					47	1589	4298
Total	76	2683	5100	70	217	8603	10990	58	56	1329	3057	48	349	12615	19148
Credit to Benefit Fund			2420	71			1387	46			885	97			4694
Credit to Suspense Fund			2420	71			1387	46			885	97			4694

Note "Benefit Fund" - Amount contributed by Employees
 "Suspense Fund" - " " " " "Cleveland Iron Mining Co.

Cleveland Iron Mining Co
 Statement of Expense at President's Cottage for the
 year ending Nov. 30-1896

	Repairs to Building Etc as per Statement of Dwellings not Rented				11613
97	<u>Fuel</u> 11.20 23720 [#] Egg Coal @ 500	5930			
	7.240 [#] Nut Coal " 600	5670			
	<u>2400[#] Nut Coal " 500</u>	600		443.	
				12200	
	<u>Electric Light</u>				
✓	From Dec 1st 95 to Dec 1st 96	5397			
	Special Light in August	450		36.	
				5847	
✓	<u>Heat & Ice</u> \$ 6.00 \$ 15.00			16	
				2100	
	<u>Chorman June to Nov. 30</u>			218.	
				16250	
	<u>Telephones</u>				
✓	Michigan Tel. Co 12. Mos.	1200			
	Mary. Co. Tel. " 14. "	1750		15.	
				2950	
	<u>Land Improvement</u>				
	<u>Clearing Road</u>			204	
	<u>White Washing Fence</u>				
	Labor	1022			
	Supplies	300			
				1322	
	<u>Planting Trees & Shrubs</u>				
	Labor	4961			
	Supplies	852			
	Bill for Trees & Shrubs	5971			
				11784	
					64265

Statement of Expenses

President's Cottage

for Year Ending

Aug. 30th 1896.

of Expenses
to Cottage
Year Ending
30-1896

Oreoland Iron Mining Co
 Statement of Repairs Etc to Dwellings not Rented
 for the year ending Nov. 30-1896

<u>Superintendent's Residence</u>	
Garden - Pipe for sprinkling	1910
Helping D. Coughlin	305
House - Hardware from G.P.M.	4500
Tearing out heaters.	2229
Water Pipes in House	600
Measuring & Drawing Floor Plan	1236
Barn Putting in Glass & Seaming Feed	212
$\frac{1}{2}$ of Water Line Expense	2804
	13796

<u>Residents Cottage</u>	
Garden - Pipe for sprinkling	331
House - Reps. on Doors & Windows	2797
Painting Doors, Windows & Ceilings	1615
Koksmining Etc	3226
Reps on Furniture	365
Stove & Furnace	475
$\frac{1}{2}$ of Water Line Expense	2804
	11613

Total 25409

Statement of Repairs

to Dwellings Not Rented

For the Year ending

Nov. 30-1896

Statement of Salaries paid and perquisites allowed Employees, year ending, Nov-30, 1896.

	Sam'l Reswan Road Agent	J. B. Connor Bark Keeper
Wife		
Salary	49992	21250
Rent	None	None
Repairs etc on house	"	"
Horse & Carriage	"	"
Maintaining farm	"	"
Chorman	"	"
Rights	"	"
Fuel	"	"
Stair	"	"
See	"	"

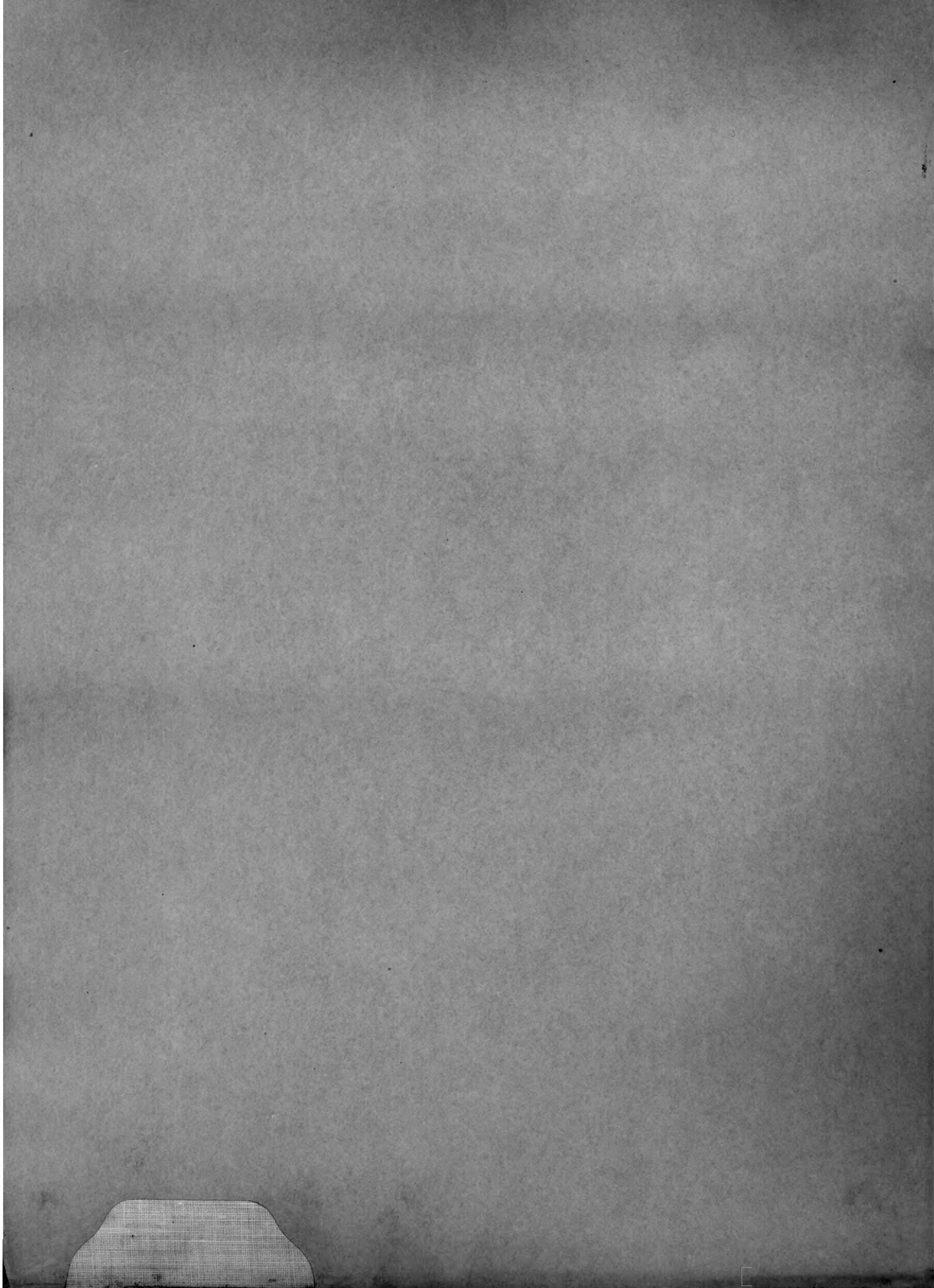
CLEVELAND IRON MINING CO.

Rand Dept

Megannur Mick

Statement: - *Salaries Paid, & Perquisites allowed*

Year ending Nov 30/96.



Iron Cliffs Co.
Index, Miscellaneous Data, 1896

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- 31 Report to Stockholders

Iron Cliffs Co
Misc. Data
1896

ISHPEMING, MICH., Jan'y 20 1896

Mr. R. G. Mann
Auditor, Cleveland.

In answer to yours of Jan. 18th

Dear Sir:- *Answering Yours of 18*

The following is a statement of
Product of Salisbury Mine for year ending
Nov. 30th 1896, showing tonnage used on
cash sheet for year.

Product for year	133,322	Tons.
Less Shortage		
Bessemer	1185	
Litchfield	<u>639</u>	<u>1824</u> Tons
Total - including silica - -	131,498	"
Less Silica from Aug 1 st	<u>4,274</u>	"
Net Output - - -	127,224	"

Very truly yours,
A. J. Youngbluth, Loc. Adm.
C.

The silica mined from Aug 1st was not credited to
the mine as output.

IRON CLIFFS COMPANY.

Cost of Production for 12 Months ending December 31, 1896

CLIFFS SHAFT

SALISBURY

FOSTER

GENERAL EXPENSE.	12 Month's ending Nov. 30, 1896				12 Month's ending Nov. 30, 1896				For 12 Mos. ending Nov. 30, 1896														
	LABOR.		SUPPLIES.		LABOR.		SUPPLIES.		LABOR.		SUPPLIES.												
	Amount.	Cost per ton.	Amount.	Cost per ton.	Amount.	Cost per ton.	Amount.	Cost per ton.	Amount.	Cost per ton.	Amount.	Cost per ton.											
Salaries, Stationery and Printing, Telephones and Telegraphing, Mine Office, Office Expenses and Contingencies, Office Furniture and Fixtures, Legal, Insurance, Taxes, Advertising, Engineering, Analysis, Relief Fund, General Office,	11785		6646		17931		17931		17931		29049		150269		012		3675		3675		002		
Total,	266774	1538126	17931	17931	472241	033	689160	052	1081421	085	6376	006	105463	069	11789	073							
MAINTENANCE—Repairs of																							
Tracks and Yards, Docks, Trestles and Pockets, Buildings, Shop Machinery, Boilers, Hoisting Machinery, Compressors and Air Pipes, Cornish Pumps, Steam Pumps, Tram Engines on Top, Portable Machinery, Skips and Skip Roads, Underground Tracks and Cars, Stable Expense, Wire Rope, Fuel Oil	6674		585		33865		17270		192170		26314		200436		016		4140		158		4298		003
Total,	27906	15631	72937	72937	46879	267691	733470	058	20832	013	18405	011	36239	024									
MINING EXPENSE.																							
Air Pipes, Compressors, Hoisting, Wire Rope, Skips and Pulley Stands, Cornish Pumps, Steam Pumps, Sinking, Drifting, Breaking Ore, Trimming, Filling, Timbering, Mining Captain and Bosses, Dry House, Top Landing and Trimming, Crushing Ground					19608		3920		19608		9756		29364		002		2775		1867		1642		003
Total, (a)					7902209	627	1849700	9756909	767	9279453	606	344269	225	1272272	831								
LOADING AND SWITCHING.																							
Loading by Steam Shovel, " " Hand " Sorting Ore, Total Loading Stock Pile, Loading at Pocket, Working on Shipping on, Working on Stacking on	593585		42729		636312	079	170064		3992		24781		24573		051						16336		009
Total,	641958	679345	1271303	1271303	276919	022	260670	020	537589	042	24078	016	1036	000	25114	016							
EXPLORATORY EXPENSE.																							
Exploring at Mines, (b) Exploring Outside, (c)					78209		68079		146288		011				011								
Total,					78209	006	68079	005	146288	011													
Cost of Production, Percentage,	975038	227%	2213102	71%	3138140	100%	9150377	79%	3105300	26%	244172536	77%	963	979191	63%	466173	33%	305	1441364	94%	180	100%	
DEPRECIATION.																							
Inventory Accounts, Improvement Accounts, New Construction Accounts									3970		000										16336		009
Total,					500000			785749	062	365615	038												
Total Cost of Production,					3638140			1394476	1025	1819979	1127												
EXTRAORDINARY COSTS AND CREDITS.																							
Repairs of Rented Houses, Land Improvements					66328				63888		005				005								
Total Debit,					76866			63888	005														
CREDITS.																							
House Rents, Land Rents, Inventory					68100				17779		014										20106		013
Total Credit,					132075			181579	014	20106	013												
Net Cost,					3587931			12933735	1016	1799873	1169												
Com. and Gen'l Exp., Cleveland Office, Improvement not sunk off, New Construction not sunk off,									1908360		150										875562		522
Total,					2128596			875562	522	2896205	1891												
Grand Total,					5711527			14837095	1166	2896205	1891												
Sinking, Drifting,	Feet,	Cost,	Cost per Foot,		Feet,	Cost,	Cost per Foot,		Feet,	Cost,	Cost per Foot,		Feet,	Cost,	Cost per Foot,								
	"	"	"		"	"	"		"	"	"		"	"	"								
			792 3/2				7390.75				253				1185								

(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.

189	Mos.	Tons
189	Mos.	Tons
189	Mos.	Tons

Receipts of Shipments to Nov. 30th 1896.

Barium	4518	
" as Cleve. Bess.	121	
" " Bluffs Shaft	<u>191</u>	4830
Bluffs Shaft	75366	
" " as Barium	<u>133</u>	75499
Salisbury	63736	
" as Ishpeming	<u>48</u>	63784
Salis. Bessemer	39859	
" as Litchfield	99	
" " Lake Bess No. 2.	<u>198</u>	40156
Litchfield	10189	
" as Salisbury	<u>273</u>	10462
Salis Silica		23565
Foster		8487
Foster Silica		1362
" " Old Stk Pile		<u>2346</u>
		230491

IRON CLIFFS COMPANY.

Weekly Mine Report, for the Week Ending November 30th 1896

	ROCK.	ORE.	PREVIOUS FOR MONTH.	TOTAL FOR MONTH.	TOTAL FROM DEC. 1, 1895	IN STOCK DEC. 1, 1895	TOTAL.	SHIPMENTS TO DATE FROM DEC. 1, 1895	BALANCE ON HAND.	AVERAGE DAILY ORE HOIST.			REMARKS.	
										Week.	Month.	Year.		
Barnum, <i>Excess</i>		137		137	137	4693	4830	4830	0					
Cliffs Shaft,						151144	151144	75499	75645					
Excelsior,														
Fitch,														
Total from Hard Ore Mines,		137		137	137	155837	155974	80329	75645					
Salisbury,	561	2048	7749	9797	67078	676	67754	63784	3970	341	426	237		
" Bessemer,		26	213	239	33073	8580	41653	40156	1183 312	26	59	147	shortage	
" Litchfield,		0	0	0	11101	0	11101	10462	639			116	shortage	
" Silica, <i>Excess</i>		526	392	918	22070	6165	28235	23563	4670	105	89	80		
					132347 1824 131498			37967						
Foster,	23	782	1586	2368	13980	0	13980	8487	5469	24	130	103	115	shortage
" Silica, <i>Excess</i>		28	601	629	1381	0	1381	1362	18		90	73	shortage	
" <i>old stock file</i>		0	452	452	2346	0	2346	2346	0					
					17783 17664			1195						
Total from Hematite Mines,	584	3467	10993	14460	151029	15421	166450	150162	16288	602	767	768		
Grand Total,	584	3604	10993	14597	151166	171258	322424	230491	90866 41933	602	767	768		
Rock, previous for Month,	499													
" total " "	1083													
" " from Dec. 1, 1895	14658													

1867
149 of the shipments reported to date, 635 tons Salis-Bess. and 512 tons Salis-Silica enter into shipments for fiscal year ending Nov. 30th 1895.

IRON CLIFFS COMPANY.

ORE MINED AND SHIPPED

For Week ending *Nov. 30* 189*6*

2

1/6/96.

Crushing Plant
Summary of Ore Crushed and Shipped

Grade of Ore	No Tons
Cliffs Shaft	34329
Barum	4511
Cleveland Bessemer	8385
Cleveland Scotch	21232
Total Cleveland Cliffs Ore	68457
Lake Superior No. 2. Bes. for Pioneer	1012
	69469

Record of Crushed Ore Shipped

Grade	Crushed	Per Cent	Size	Per Cent	Total	
Cliffs Shaft	34329	69	15664	31	49993	
Barum	4511	93	319	07	4830	
Cleveland Bessemer	8385	100			8385	
Cleveland Scotch	21232	76	6771	24	28003	
Total	68457		22754		91211	
Per. centage of fine ore crushed Ore		69		33		100

Cost per ton Crushed Ore Shipped

	Tons	Per Cent	Cost	Amount	
Ore Crushed	68457	75	.148	10131	64
Ore picked from Stock Pile and Shipped as Crushed	22754	75	.05	1137	70
	91211	100	.123	11269	34

In the case of the Cliffs Shaft Ore the per. centage of Fine Ore from the Pile was lighter than shown above on the Ore shipped as $1\frac{3}{8}$ " and less on the ore shipped as $\frac{3}{4}$ " for Charcoal furnaces

The number of tons of the different sizes crushed and as follows:-

	6934	Tons	$\frac{3}{4}$ "
	6831	"	$\frac{7}{8}$ "
	936	"	1" (in Dec 1895)
	53756	"	$1\frac{3}{8}$ "
L. S. S. Co.	1012	"	$\frac{3}{4}$ "
Total.	69469	.	

Iron Cliff Co

Summary of Crushing Costs for year ending Nov 30th 1896

69469 Tons	Amount	Per Ton
Cost of Crushing including Repairs and Additions	6306 42	090
" " Conveying	2123 71	031
Total	8460 13	121
Cost of Operating Pump in Crusher Pit and B. Shaft	1822 00	027
Grand Total	10282 13	148

Summary of Labor and Supply Cost

69469 Tons	Amount	Per Ton
General Supplies	352 67	005
Oil Grease & Cordes	228 84	003
Shops & Deaming	701 19	010
Fuel	2692 59	039
Crusher Costing	1813 46	026
Conveyor	440 20	006
Total Supplies	6228 95	089
Labor	4053 18	059
Grand Total	10282 13	148

The principal costings used are as follows:

Crusher	Conveyor
79 Side Liners 6994 [*]	361 Conveyer rollers 2436 [*]
8 Face Plates 19201	5 Curves 759
1 Head Plate 776	17 Cur Brackets 187
15 Doggles 3943	15 Rails 195
1 Pitman 8400	
1 Side for Hodge Crusher 13185	
3 Steel Doggle Strip 1058	
23557	3577

Iron Cliffs Co.

Report of Operating

Crusher Plant

for Year Ending Nov 30th 1916.

Deer Cliff Co
Statement of Expense at Exploration Sec 21-47-27

1896									
		Total per last Report							804860
May		Laying up Drills (at Expt.)							
		Foreman 1-Day 2.00	200						
		Runners 2- " 1.50	300	500					
June		Repairing Drills in Shop							
		Foreman 3-Days 2.00	600						
		Mach. Shop 3 1/2 Hrs 40	1260						
		Blk. " 7 " "	280						
		Supplies	37	2177					
July		Mach. Shop 12 Hrs 40	480						
		1 Piston for Little Champion Drill	3075	3555					
Nov.		Engineering	829						
		Damage done to Williams' Farm	1250	2079					8311
		Total Nov. 30-1896							813171
		Credit							
Jan		Supplies sold to Foster				2163			
		" " " Tilden				2247			4410
		Total Cost to Date							808761

Record of Drilling Stand Pipe
No feet Drilled 2575 1/2
" " Stand Pipe $\frac{420}{2995 \frac{1}{2}}$ @ \$2.70

Cost per foot \$2.70

Work was commenced Sept 1894.

Statement of Expenses

Exploration Sec. 21-47-27

Nov. 30th 1896

Iron Cliffs Co.
 Detail of "Accounts Receivable" November 30th 1896.

Barrenum Lot Rents Receiv		59318
Salisbury " " "		1800
Miscell. " " "		3132
Various Persons		27153 ✓
Jas. Curran	500	
Geo. Voelker	5000	
J. C. Swift	180	
Jno. Conitran	2975	
Wm Conitran	475	
Christ Hanson	2975	
W. M. Sterling	2975	
J. H. Martin	2975	
Lake Shore Iron Works	475	
A. E. Buzzo	1933	
A. Calluck	3900	
Jno. Skewes	1800	
N. Faulkner	990	
Cleveland Iron Mining Co.		157547 ✓
<u>Total</u>		<u>249250</u>

Iron Cliffs Co.
 Detail of "Accounts Payable" November 30th 1896.

Pay Rolls		884207
Bills audited		62002
D. S. 8 th & N. Ry. Co.	3730	
Benefit and Suspense Fund	8766	
Deshpinnering City Water Works	4800	
Negamur ^{and} Desh. St. Ry. and Elec. Co.	1140	
Geo. A. Newitt	300	
Chas. Ringstrom	4800	
A. W. Myers ^{and} Co.	420	
J. A. Hodgkins	4872	
H. F. Nelson	1386	
S. Johnson ^{and} Co.	250	
Hampton ^{and} Co.	2185	
Jos. W. Jochim Hor. Co. Ludd.	605	
G. W. Peas ^{and} Co.	4484	
Cleveland Iron Mining Co.	14864	
Paul Drill Co.	550	
Negamur Land Dept.	1850	
Republican Campaign Fund	5000	
Unclaimed Wages		17833
Truck ^{and} Vaudeville		23600
Deshpinnering Water Works		5190
<u>Total</u>		<u>987832</u>

Iron Cliffs Co

Debit of Accounts Receivable

and Accounts Payable

Nov 30th 1896

Statement of Foster Silica Co
 Year Ending Nov. 30-96.

	Produced during year			13812 tons
	Loaded from Old Stk. Pile			2346
Oct 23	Foster Co. ^{Silica} as Foster Silica			26
				<u>3753</u>
	Shipped to Baylor Iron Co.	10822 tons		
	" " Penn Iron Co.	902		
	" " Union Iron Co.	1734		
Oct 23	Foster Silica as Foster, Washcott			3718 tons
	Shortage			16
				19
				<u>3753</u>

Statement of
Foster Silica Ore

Year Ending Nov 30-96

Statement of Foster Ore for the
Year Ending Nov. 30-96

	Produced during year					13980 ² tons
Oct 23	Foster Silica as Foster, Westcott					16
						<u>13996</u>
	Shipped to Oak Rapids		1429 ² tons			
	" " Antium		3902			
	" " Bayland Iron Co.		2014			
	" " Pioneer Furnace		1132			8477 ² tons
Oct 23	Foster as Foster Silica Whittaker					26
	Ore land at mine Nov 30-96.					5469
	Shortage					24
						<u>13996</u>

Statement of

Foster Care

Year ending Nov 30-96

Statement of
Salis-Silica Co
Year Ending Nov 30-96

Statement of
Salis-Silica Co
Year Ending Nov 30-96

Statement of Salisbury Ressemer
Year Ending Nov. 30-96.

	On hand at Time Nov. 30-95			85802 ^{and}
	Produced during year			33073
	Lake Resse No 2, as Salis. Resse. (Trans Ship)			643
June 12	Litchfield as Salis. Resse. Cadillac			118
				<u>42414</u>
	Shipped to Cleveland	31608 ^{and}		
	" " Fairport	8142	39750 ^{and}	
July 29	Salis Resse as Lake Resse #2 Forehcity			60
Sept 26	" " " Litchfield Pioneer			175
	" " " (Trans Shipments)			99
	" " " Lake Resse #2 " "			198
	On hand at Time Nov. 30-96			312
	Shortage			1185
	Salis Resse. Produced in Dec. 96.			
	which was included in ship-			
	ments for year ending			
	Nov. 30-1896.			635
				<u>42414</u>

Statement of

Salisbury Bess.

Open Ending Nov 30-96.

Statement of Litchfield Ore
 Year Ending Nov. 30 - 1896.

	Produced during year				111017 tons
	Salis-Bess. as Litch (Memo. Ship.)				99
	East End Bess. " " " "				1655
Sept 26	Salis Bess " " Pioneer				175
	Ore land at Ess. Nov. 30-95				67
					<hr/> 13097
	Shipped to Cleveland		8282 tons		
	" " Ashtabula		1588		9870 tons
May 4	Litch. as Salisbury, Gadillac				1796
11	" " " Kaliyuga				89
June 12	" " Salis. Bess. Gadillac				118
Nov 3	" " Lake Kaliyuga				312
	" " Salisbury (Memo. Shipments)				273
	Shortage				639
					<hr/> 13097

Statement of Litchfield Ore
 Year ending Nov. 30 - 1896.

	Produced during year			11101	Founds
	Salis-Bess, as Litch (Memo. Ship.)			99	
	East End Bess, " " " "			1653	
Sept 26	Salis Bess " " Pioneer			173	
	Ore haul at Ess. Nov. 30-95			67	
				<u>13097</u>	
	Shipped to Cleveland		8282	Founds	
	" " Ashtabula		1588		9870
May 4	Litch, as Salisbury, Gadillas				1796
11	" " " Kalyuga				89
June 12	" " Salis Bess, Gadillas				118
Nov 3	" " Lake Kalyuga				312
	" " Salisbury (Memo. Shipments)				273
	Shortage				639
					<u>13097</u>

Statement of
Litchfield Ore
New Ending Nos 30-96

Statement of Salisbury Ore

Year ending Nov. 30-96.

	On hand at Mine Nov. 30-95			6767 tons
	" " " Ess. " " "			1453
	Produced during year			67078
	Litchfield as Salisbury (Memo. Ship.)			273
	Lake " " " "			1005
	Lake Bess. No. 2 as. " "			175
	Cash End Bess. " " " "			5026
May 4	Litchfield as Salis. Ladilla		1796 tons	
11	" " " Kaliyuga		89	1885
Aug 5	Lake " " Saveland			338
				77909
	Shipped to Antrim		21108 tons	
	" " Elk Rapids		11235	
	" " Gaylord Iron Co.		2436	
	" " Pioneer Furnace		6004	
	" " Ills. St. Co.		5362	
	" " Spg. Lake I. Co.		10257	
	" " Union Iron Co.		2903	
	" " Cleveland		9588	
	" " Ashtabula		4657	73550 tons
Nov 3	Salisbury as Lake Kaliyuga			341
	" " Ship. (Memo. Shipments)			48
	On hand at Mine Nov. 30-96			3970
				77909

Statement of Salisbury Ore
Year Ending Nov. 30-96.

	On hand at Mine Nov. 30-95			6767	Found
	" " " Esc. " " "			1453	
	Produced during year			67078	
	Litchfield as Salisbury (Memo. Ship.)			273	
	Lake " " " "			1005	
	Lake Bess. No. 2 as. " "			175	
	East End Bess. " " " "			5026	
May 4	Litchfield as Salis. Ladillaes		1796	Found	
11	" " " " Kaliyuga		89		1885
Aug 5	Lake " " Saveland				338
					<u>77909</u>
	Shipped to Antium		21108	Found	
	" " Elk Rapids		11235		
	" " Bayland Iron Co.		2436		
	" " Pioneer Furnace		6004		
	" " Ills. St. Co.		5362		
	" " Spg. Lake I. Co.		10257		
	" " Union Iron Co.		2903		
	" " Cleveland		9588		
	" " Ashtabula		4657		73550
Nov 3	Salisbury as Lake Kaliyuga				341
	" " Ship. (Memo. Shipments)				48
	On hand at Mine Nov. 30-96				3970
					<u>77909</u>

Statement of Salisbury Ore
Year Ending Nov. 30-96.

	On hand at Mine Nov 30-95			6767 tons
	" " " Ess. " " "			1453
	Produced during year			67078
	Litchfield as Salisbury (Memo. Ship.)			273
	Lake " " " "			1005
	Lake Bess. No. 2 as. " "			175
	East End Bess. " " " "			5026
May 4	Litchfield as Salis. Ladillas	1796 tons		
11	" " " " Kalizuga	89		1885
Aug 5	Lake " " Saveland			338
				<hr/> 77909
	Shipped to Antwerp	21108 tons		
	" " Elk Rapids	11235		
	" " Bayford Iron Co.	2436		
	" " Pioneer Furnace	6004		
	" " Ills. St. Co.	5362		
	" " Spg. Lake I. Co.	10257		
	" " Union Iron Co.	2903		
	" " Cleveland	9588		
	" " Ashtabula	4657		73550 tons
Nov 3	Salisbury as Lake Kalizuga			341
	" " Ship. (Memo. Shipments)			48
	On hand at Mine Nov. 30-96			3970
				<hr/> 77909

Statement of
Salisbury Ore
Year Ending Dec 30-96