

Michigamme Mine

CRUSHER BUILDING

Amount of Lumber & Timber sent from
Michigamme to Cliffs Shaft Approx.

152600' Bought of T. B.	3466.62	
Inventory Price	2000.00	2000.00

CRUSHER.

1 30 x 30 Crusher from Pottage Lake Foundry And Machine Co. Cost f o b Hancock	4900.00	
Less Depreciation 10%	<u>490.00</u>	
	4410.00	
Inventory Price		4000.00

BELTING for ENTIRE PLANT.

Bill of I.E. Swift Co. Less 30%	742.91	
Bill of E.P. Allis Co. Shaft etc. Less 10%	190.00	
Bill of Plamondon, Pulleys ets Less 10%	<u>703.51</u>	
	1636.42	
Inventory Price		1200.00

CRUSHER TRAM SYSTEM

Bill of Ledgerwood Co. for 3 Drums and Shaft and Pulley Less 20%	893.00	
Less 20%	<u>178.60</u>	714.40

STOCK PILE TRAM SYSTEM

Material for this was from Old Equipment at other Mines		<u>75.00</u>
Total		7989.40

THE CLEVELAND CLIFFS IRON CO.

Recapitulation of Michigamme Mine Inventory, Nov. 30th, 1901/

	Net Amount
General Supplies	1410.01
Iron & Steel	384.63
Machinery Supplies	1328.59
Building Material	146.29
Total	<u>3269.52</u>

MINE EQUIPMENT.

Cars, Skips & Derricks	1238.85
Miscellaneous	806.50
Portable Machinery	2974.96
Crusher Building	2000.00
Crusher	4000.00
Belting for Entire Plant	1200.00
Crusher Tram System	714.40
Stock Pile Tram System	75.01
Total	<u>13009.71</u>
Grand Total for Michigamme Mine Inventory	16279.23



Maas Mine

GENERAL SUPPLIES .

1200'	S. S. Guy Wire	.01-1/2	18.00
	6-1/2 Tons Blossburg Coal	3.80	24.70
64	Jute Cement Sacks	.15	<u>9.60</u>

Total General Supplies 52.30

OILS, GREASE AND CANDLES .

35	# Electric Light Candles	.07-1/4	2.54
90	Gals. Red Engine Oil	.13	11.70
52	Gals. Kerosene Oil	.09-1/4	<u>4.81</u>

Total Oil, Grease & Candles 19.05

MACHINERY SUPPLIES.

50'	3/4" Black Pipe	.11-1/2	5.75	
450'	1" "	.16-1/2	74.25	
300'	1 1/4" "	.22-1/2	67.50	
800'	1-1/2" "	.27	216.00	
1500'	2" "	.36	540.00	
1000'	2-1/2" "	.57-1/2	575.00	
700'	3" "	.75-1/2	528.50	
500'	4-1/2" "	1.30	650.00	
33'	5" "		47.85	
332'	6" "	1.88	624.16	
37'	6" "	1.68 Net		62.16

3329.01

Less 68%

2263.73 1065.28

2 3" Jureka Flange Unions

6	4 x 2 Reducers	1.85	11.10	
3	3 x 1-1/2 "	2.08	3.24	
2	2 x 1-1/2 "	.45	.90	
1	2 x 1 "	.45	.45	
1	1 x 3/4 "	.16	.16	

15.85

Less 75 - 5%

12.09 3.76

1	3" Unions	2.10	2.10	
2	2-1/2" "	1.55	3.10	
9	2" "	.75	6.75	
1	1-1/2" "	.58	.58	
7	1-1/4" "	.46	3.22	
7	3/4" "	.27	1.89	

17.64

Less 80%

14.01 3.53

Total Amount For'd

1134.73

Maas Mine

MACHINERY SUPPLIES (CONTINUED).

			Amount Bro't For'd	1134.73
3	5"	Tees	3.00	9.00
3	4"	"	1.75	5.25
2	3"	"	1.10	2.20
2	2-1/2"	"	.73	1.46
8	1-1/2"	"	.29	2.32
10	1-1/4"	"	.23	2.30
11	1"	"	.15	1.65
7	1/4"	"	.08	.56
				24.74
Less 75 & 5%			18.87	5.87
1	6"	Plug	1.20	1.20
2	5"	"	.88	1.76
3	4"	"	.42	1.26
6	3"	"	.25	1.50
1	2-1/2"	"	.18	.18
6	2"	"	.10	.60
1	1-1/2"	"	.07	.07
1	1"	"	.04	.04
1	1/4"	"	.02	.02
				6.63
Less 75 - 10 & 5%			5.21	1.42
5	5"	Nipples	1.60	8.00
5	4"	"	1.00	5.00
6	3"	"	.72	4.32
5	2-1/2"	"	.59	2.95
11	1-1/2"	"	.20	2.20
6	3/8"	"	.06	.36
3	2"	"	.27	.81
1	1/4"	"	.06	.06
				23.70
Less 80%			18.96	4.74
Total				12.03
Total Amount For'd				1146.76

Maas Mine

MACHINERY SUPPLIES (CONTINUED).

		Amount Bro't For'd		1146.76
6	6" Bushings	1.25	7.50	
2	5" "	.93	1.86	
3	4" "	.50	1.50	
4	3-1/2" "	.40	1.60	
2	2" "	.14	.28	
12	1-1/2" "	.09	1.08	
10	1-1/4" "	.07	.70	
5	1" "	.06	.30	
4	3/4" "	.05	.20	
1	1/2" "	.04	.04	
			<u>15.06</u>	
Less 75 - 10 & 5%			<u>11.84</u>	3.22
17	6" Couplings	2.40	40.80	
1	5" "	1.65	1.65	
17	4-1/2" "	1.50	25.50	
2	3" "	.60	1.20	
1	2 1/2" "	.40	.40	
20	2" "	.28	5.60	
1	1-1/2" "C "	.21	.21	
4	1-1/4" "	.17	.68	
2	1" "	.13	.26	
5	3/4" "	.10	.50	
2	1/2" "	.07	.14	
1	1/4" "	.05	.05	
			<u>76.99</u>	
Less 70 & 5%			<u>55.05</u>	21.94
7	5" Elbows	2.00	14.00	
12	4" "	1.20	14.40	
15	3" "	.75	11.25	
8	2-1/2" "	.50	4.00	
5	2" "	.28	1.40	
			<u>25.16</u>	
Amounts Carried For'd			45.05	1171.92

Maas Mine

M A C H I N E R Y S U P P L I E S (CONTINUED).

		Amounts Bro't For'd	45.05	1171.92
5	1-1/2" Elbows	.20	1.00	
4	1" "	.10-1/2	.42	
4	3/4" "	.08	.32	
7	1/2" "	.06	.42	
3	3/8" "	.05	.15	
1	1/4" "	.05	.05	
			<u>47.41</u>	
Less 75 & 5%			<u>36.15</u>	11.26
3	5" Gate Valves	25.00	75.00 Less 70%	22.50
1	7" "	45.00	45.00 Less 70%	13.50
3	4" Plugs	.42	1.26 Less 75 10 5%	.26
2	7 x 5" Bushings	1.87	3.74	
2	10 x 7" "	3.75	7.50	
1	7 x 3" "		1.87	
1	3 x 2" "		.30	
1	4 x 3" "		.50	
			<u>13.91</u>	
Less 75-10-5%			<u>10.94</u>	<u>2.97</u>
				39.23
Less Extra 60%				<u>23.54</u>
				15.69
1100'	4" Pipe	1.08	1188.00	
8'	7" "	2.35	18.80	
10	10' "	4.25	47.50	
			<u>1249.30</u>	
Less 68% & Extra 20%			<u>929.48</u>	<u>319.82</u>
Amount Carried Forward				1518.69

Maas Mine

M A C H I N E R Y S U P P L I E S (CONTINUED).

		Amount Bro't For'd	1518.69
3	7" Elbows	4.70	14.10
2	5" "	2.00	4.00
1	6" "		2.75
2	10" "	13.50	27.00
8	4" "	1.20	9.60
2	7" Tees	6.80	13.60
1	10" "		19.50
1	3" "		1.10
3	4" "	1.75	<u>5.25</u>
			96.90
Less 75 & 5%		<u>73.88</u>	23.02
Less Extra 60%			9.21
10	7" Nipples	3.20	32.00
7	5" " "	1.55	10.85
3	10" " "	6.75	20.25
1	6" " "		1.85
1	3" " "		.48
1	2" " "		.18
4	4" " "	.85	<u>3.40</u>
			69.01
Less 80%		<u>55.21</u>	13.80
2	Pr. 7" Flanges	5.50	11.00
10	" 4" "	2.10	<u>21.00</u>
			32.00
Less 75 & 10%		<u>24.80</u>	<u>7.20</u>
			21.00
Less Extra 60%			<u>8.40</u>
Total Machinery Supplies			1536. ⁴ / ₁₀ 0

Maas Mine

BUILDING MATERIAL.

15106'	3" Plank	11.00	166.16
17027'	2" "	11.00	187.30
7000'	1" Hemlock Rough	11.50	80.50
11760'	1" Lumber S. S.	13.00	152.88
10#	Staples	.02	<u>.20</u>

Total Building Material

587.04

EXPLOSIVES.

100	Elec. Fuzes	30/10	303.01
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MINE TIMBER.

2768'	6 x 8 Timber	.02	55.36
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FUEL

19-9/20	Tons Soft Coal	3.20	62.24
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Maas Mine

M I N E E Q U I P M E N T .

1000'	1-5/8" Bullock Rods	761.50	
250'	2" Casing Pipe	125.00	
1	Pipe Vise	7.50	
1	Bull Dog Pipe Vise	<u>6.00</u>	
	Total		900.00

CLEVELAND CLIFFS IRON CO.

Recapitulation of Maas Mine Inventory, November 30th, 1901/

	Net Amount
General Supplies	52.30
Oil, Grease & Candles	19.05
Machinery Supplies	1536.40
Building Material	587.04
Explosives	3.01
Mine Timber	55.36
Fuel	<u>62.24</u>
Total	2315.40

Mine Equipment

900.00

Grand Total

3215.40



MADE IN U.S.A.

THE CLEVELAND-CLIFFS IRON CO.

ASHLAND MINE.

BUILDINGS.

- 1 Engine House, Tank House, and Fdtns.
- 1 Boiler House and Additions
- 1 Laboratory and Basement
- 1 Captain's Office
- 1 Doctors Office
- 1 Carpenter, Blacksmith & Machine shop
- 1 Dry House
- 1 Rope House
- Water Closets
- 1 Shipping Clerk's Office
- 1 Barn with Additions
- 1 Stone Water Tank
- 1 Iron Rack and Iron Shed
- 1 Tool House
- 1 Mine Office
- 1 Mine Office Shed
- 1 Powder House
- 1 Supply House
- 1 Wagon Shed
- 1 Dwelling (Mr. Hayes)
- 1 " (Mr. Smith)
- 1 " (Capt. King)
- 1 " (Mr. Taylor)
- 1 " (Mrs. Pellin)
- 1 " (Mr. Alguire)

ASHLAND MINE.

PLANT.

Webster Camp & Lane Hoist

- 2 Engines 26 1/2 x 48 four drums '89
Fifth drum added '92
Foundations '92
- 1 Ingersoll - Sargent Dup. Air Compressor
Cooper Corliss 18 x 30 - 25 drills
- 1 Ingersoll Straight Line Air Compressor 24 x 20 - 12 Drills
Myers cut off, '92 and foundations for both
- 2 Westinghouse Engines 35 H. P. each with pulleys, belts etc. '94
- 2 V. S. Dynamos each 150 Amp. and switch board complete, cut out
and blocks

1 Half coupling and pins F. W. C. & L. Hoists

1 10 foot Spider drum

No. BOILERS NUMBERED, -viz-

- 1 16' x 60" 1889
- 2 16 x 60 1889
- 3 16 x 54 1886 (sold for scrap 1901)
- 4 16 x 54 1886 (sold for scrap 1901)
- 5 16 x 60 1887 In use.
- 6 16 x 60 1889
- 7 16 x 66 1890
- 8 16 x 66 1890
- 9 Stirling 150 H.P. Stack and setting '93
- 10 Do. '93
- 2 Locomotive Boilers - 11 x 40 (I loaned to Spence & Snyder)
- 1 Baragawanuth Heater '99
- 1 Smoke Box & Brushing
- 1 Smoke Stack
- 1 No. 7 Korting Injector '98
- 1 Pressure Recorder
- 1 Thompson Indicator, 1 40 Spring, 1 60 Spring.
- 1 Pantagraph, 1 Water Cooler
- 1 Upright Boiler 40' x 72" X Stack (Loaned to Harmony Iron Co.)

Ashland Mine

GENERAL SUPPLIES

3/12	16" Rd. Files	14.70	Doz.	3.68	
3/12	12" 1/2 Rd. Smooth	13.90		3.48	
5/12	12" Rd. Bastard	7.50		3.12	
10/12	12" Flat Bastard	9.70		5.66	
10	12" 1/2 Rd. Bastard	11.80		9.83	
15	12" Mill Bastard	7.50		9.37	
11	10" "	6.70		7.26	
26	8" "	4.30		9.31	
1 1/2	6" "	3.50		3.21	
1/12	8" Flat Bastard	5.30		.44	
13	8" Stem Taper	4.50		4.87	
18	6" "	3.10		4.65	
2/12	10" "	6.40		1.06	
5/12	10" Rd. Taper	5.60		2.33	
				68.27	
	Less 70%			47.79	20.48
3	4" Flat Paint Brushes	1.25			3.75
6	#2 Lamp Chimneys	.85			.43
3	File Brushes	.25			.75
1	#25 Nut for Ratchet Jack				1.00
18	Lantern Wicks	.04			.06
3 1/2	Lolder	.20	1/2		.62
1	Frame for 14" Trimeo Wrench			.45	
2	" 18" "	.55		1.10	
2	" 24" "	.65		1.30	
1	Inserted Jaw 24"			.65	
1	" 18"			.55	
				4.05	
	Less 40%			1.62	2.43
12	Battery Zincs	.04			.48
95#	Babbitt Metal	.13			12.35
10#	Marlin	.13			1.30
1	12# Blacksmith Sledge	.08			.96
	Total				44.61

Ashland Mine

GENERAL SUPPLIES (CONTINUED).

		Amount Bro't For'd	44.61
10	Yds. Sheeting	.05	.50
1	Map Blanket		.49
9	Fire Extinguishers	18.31	13.72
4	5' Chesterman Tapes		2.00
5	3/4 Doz. Canteens	12.97	6.21
14	12" Coes Wrenches	14.00	16.33
1	6" " "	9.00	.75
			25.29
	Less 45%	11.38	13.91
13	Axes	4.50	4.87
1#	Putz Pomade		.40
21	Sheets No.0 Emery ^{Cloth} Paper	.03	.63
3	Saw Handles		.37
6	Long Spout Oilers Zinc	.39 1/2	2.37
3	Squirt Cans	.15	.45
8	Squirt Cans Cast	.50	4.00
28	Miner's Bamps S.O.	1.50	42.00
3	Doz. Oak Push Buttons	.60	1.80
54#	Candle Wicking	.14	7.56
1	Box White Chalk	.65	.65
1/2	Box. Blue Chalk	.65	.33
5	Scrub Brushes	.18	.90
20	Padlocks	3.00	5.00
	2/3 Bbl. Salt Common	1.25	.84
11	Scoop Shovels	10.25	9.79
10	Sq. Pt. Shovels	7.25	6.04
82	Diamond Drill Bitts	.18 1/4	14.96
8#	B. Wire Staples	.03 1/2	.28
361#	Col. Waste	.04 1/2	16.24
60#	White Waste	.06	3.60
4	Doz. Warehouse Brooms	4.25	17.00
	Total		168.70
2	Total Amount For'd		213.31

Ashland Mine

GENERAL SUPPLIES (CONTINUED).

		Amount Bro't For'd	213.31
12	Wood Tray Wheelbarrows	18.00	18.00
1	3 Gal. Jacket Can	.42	.42
5	2 Gal " "	.30	1.50
4	1 Gal. " "	.20	.80
1	Large Powder Thawer		14.00
5	Dietz Victor Lanterns	6.00	2.50
1	#2 Cold Blast Lanterns		.90
180	1/2" Spring Cotters	7.35	13.23
57	3/8" " "	4.33	<u>2.21</u>
			15.44
	Less 70%		<u>10.81</u>
150	1/2 Sq. Hd. Capscrews		5.55
	Less 65%		2.91
397#	Old Babbit Metal	.05	19.85
9#	3/4" Manila Rope	.11	.99
66#	1/2" " "	.11	7.26
248#	1" " "	.11	27.28
14#	Ammoniac	.11	1.54
20#	Borax	.11	2.20
70	Spring Sockets	.01	.70
3	6" Electric Bells	1.75	5.25
1	Ante Rust Pails		.75
1	Zinc Pail		.35
1	Granite Washbasin		.30
43	Lantern Globes	.75	2.68
15	11/12 Doz. Hammer Handles	1.50	23.87
9	1/2 Doz. Pall Pick " "	.85	8.08
4	2/3 Doz. Cant Hooks " "	2.00	9.33
5	Doz. Sledge Handles	1.10	5.50
11	S.B. Axe Handles	1.20	1.10
8	7# Striking Hammer 56#	.05	<u>2.80</u>
	Total		<u>165.49</u>
	Total Amount For'd		378.80

3

Ashland Mine

GENERAL SUPPLIES (CONTINUED).

		Amount Bro't For'd		378.80
4	3 1/2' One Man Saws	1.75		7.00
4	Steel Wheelbarrow Wheels	.75		3.00
4	Wood Pails	.20		.80
3	Sheaves for 8" Blocks	.35		1.05
3	16" Horse Rapps	24.40	6.10	
	Less 70%			1.83
2	10 Hal. Jacket Cans			.70
171	16 c p In. Lamps S.S.	.27		29.07
126	16 "	.18		22.68
2 5530#	Smithing Coal	4.20		53.61
11	Shovel Handles	1.50		1.37
3250	Ladder Rounds	14.00		45.50
193#	#8 G.Wire	.04		7.12
1	#2 3 Wheel Pipe Cutter	1.50		<u>1.50</u>
	Total			175.23
	Total General Supplies			554.03

Ashland Mine

IRON AND STEEL.

2953#	1 1/8" Rd. Drill Steel	.06 1/2	191.95
1100#	1 1/8" "	.06 1/2	71.50
60#	1 1/8" Oct. Drill Steel	.06 1/2	3.90
688#	7/8" "	.06 1/2	44.72
280#	1 1/4" Rk. Mountain Drill Steel	.07 1/2	21.00
81#	1-1/2" "	.07 1/2	6.07
10#	3/4" Chisel Steel	.05	.50
11#	7/8" "	.05	.55
31#	7/8" x 1 1/2 Tool Steel	.12	3.72
95#	3/4 x 1 Pick Steel	.04 1/2	4.27
103#	2" Sq. Soft Steel	2.20	2.26
480#	1 3/4" "	12.00	9.60
323#	1 1/2" "	12.00	6.46
128#	1 1/4" "	2.00	2.56
125#	1" "	2.00	2.50
203#	7/8" "	2.10	4.26
66#	3/4" "	2.10	1.38
40#	1 1/8" "	2.00	.80
26#	5/8 x 2 1/2 Soft Steel	2.00	.52
21#	5/8 x 1 1/4 "	2.10	.44
78#	1/2 x 1 "	2.20	1.71
12#	5/8 x 1 1/2 "	2.00	.24
275#	2 1/2 Rd. Soft Steel	2.20	6.05
502#	2 1/4 Rd. "	2.20	11.04
60#	2 "	2.20	1.32
250#	1 3/4 "	2.00	5.00
90#	1 5/8 "	2.00	1.80
1629#	1 1/2 "	2.00	32.58
72#	1 1/8 "	2.00	1.44
253#	1 "	2.00	5.06
330#	7/8 "	2.20	7.26

Total Amount For'd 452.46

Ashland Mine.

I R O N A N D S T E E L (CONTINUED).

	Amount Bro't For'd	452.46
24# 5/8 Rd. Soft Steel	2.20	.52
10# 9/16 "	2.40	.24
72# 1/2 "	2.40	1.72
21# 3/8 "	2.60	.55
102# 3" Rd. Common Iron	2.35	2.40
2666# 1-1/4" "	1.85	49.32
637# 1 1/8" "	1.85	11.78
1375# 1" "	1.85	25.44
356# 7/8 "	1.95	6.94
427# 3/4 "	1.95	8.33
107# 5/8 "	2.05	2.19
257# 7/16 "	2.25	5.78
550# 1/2 "	2.25	12.38
85# 3/8 "	2.45	2.08
200# 1/4 "	2.85	5.70
735# 2 1/2" Sq. Common Iron	2.05	15.07
1020# 2 1/4" "	2.05	20.91
210# 2" "	2.05	4.30
255# 1" "	1.85	4.71
244# 7/8" "	1.95	4.76
913# 3/4" "	1.95	17.80
670# 5/8" "	2.05	13.73
400# 1/2" "	2.25	9.00
345# 3/8" "	2.45	8.45
451# 1/2 x 8 Common Iron	2.45	11.05
91# 1/2 x 4 "	1.85	1.68
389# 1/2 x 3 "	1.85	7.20
359# 1/2 x 2 "	1.85	6.64
320# 1/2 x 1 1/2 "	1.85	5.92
555# 5/8 x 4 "	1.95	<u>10.82</u>
Total		<u>277.41</u>
Total Amount For'd		729.87

Ashland Mine

IRON AND STEEL (CONTINUED).

		Amount Bro't For'd	729.87
364#	5/8 x 3 1/2 Common Iron	1.85	6.73
1859#	5/8 x 2 1/2 "	1.85	34.39
498#	5/8 x 2 "	1.85	9.21
35#	3/4 x 6 "	1.95	6.82
85#	3/4 x 3 "	1.85	1.57
228#	3/4 x 2 1/2 "	1.85	4.22
235#	1 x 3 1/2 "	1.85	4.34
70#	3/8 x 4 "	1.85	1.30
65#	3/8 x 2 1/2 "	1.85	1.20
48#	3/8 x 2 "	1.85	.89
220#	3/8 x 1 1/2 "	1.85	4.07
170#	1/4 x 5 "	2.10	3.57
182#	1/4 x 2 "	2.05	3.73
105#	1/4 x 2 1/2 "	2.05	2.15
60#	1/4 x 1 1/4 "	2.15	1.29
155#	1/4 x 1 "	2.15	3.33
565#	2 1/2 Sq. Iron, Swedes	4.70	26.55
135#	1 1/4 Rd. Swedes Iron	4.50	6.08
174#	5/8 "	4.70	8.18
13#	3/8 x 1 "	4.70	.61
14#	1/4 x 1 1/4 "	4.70	.65
20#	5/8 x 1 1/2 "	4.50	.90
77#	Angle Iron	2.80	2.16
20#	3/8 Wrought Washers	4.00	.80
16#	5/8 "	3.50	.56
50#	7/8 "	2.95	1.47
50#	1 "	2.95	1.47
50#	1-1/4 "	2.65	1.32
77#	3/4 "	2.95	2.27
Total			<u>141.83</u>
Total Amount For'd			871.70

7

7

Ashland Mine

I R O N A N D S T E E L (CONTINUED).

		Amount Bro't For'd	871.70
600#	1" Cast Washers	1.65	9.90
300#	1/4 "	1.65	4.95
171#	5/8 Track Bitts	.03	5.13
175#	1/2 "	.03	5.35
36	for 30# Fish Plates	.30	10.80
270	for 20# "	.10	27.00
200#	8" Boat Spikes	2.80	5.60
418#	60d Nails	2.70	11.28
341#	40d "	2.70	9.20
293#	30d "	2.70	7.91
100#	20d "	2.70	2.70
254#	10d "	2.75	6.98
282#	8d "	2.80	7.89
126#	6d "	2.90	3.65
45#	1/2 Sq. Nuts Threaded	.05 1/2	2.48
110#	3/4 "	.05	5.50
200#	7/8 "	.05	10.00
325#	1 1/4 "	.04 1/2	14.62
50#	1/2 " Blank	3.85	1.92
100#	5/8 "	3.65	3.65
200#	3/4 "	3.55	7.10
400#	1 "	3.35	13.40
330#	3/8 x 3 R.R. Spikes	2.30	7.59
240#	1/2 x 4 "	2.30	5.52
1	Gr. 1 x 7 Screws	.32	.32
1	Gr. 1 x 8 "		.32
100	1/4 x 2 1/2 Carriage Botls	1.16	1.16
100	1/4 x 2 "		1.08
75	1 1/2 x 1/4 "	1.00	.75
50#	1/4 x 1 "	1.00	.50
100	3/8 x 1 1/2 "		1.50
50	3/8 x 2 "	1.50	.75
50	3/8 x 2 1/4 "	1.57	.79
	For'd	6.53	
	Total		190.76
	Total Amount For'd		1062.46

8

8

IRON AND STEEL (CONTINUED).

		Amount Bro't For'd	1062.46
Carriage Bolts For'd		6.53	
50	3/8 x 3 Carriage Bolts	1.88 ⁷⁸ .89	
50	3/8 x 3 1/2 "	1.92	.96
100	3/8 x 4 1/2 "		2.13
50	3/8 x 5 "	2.34	1.17
50	3/8 x 5 1/2 "	2.48	1.24
20	1/2 x 1 1/2 "	3.00	.60
450	1/2 x 2 1/2 "	3.00	13.50
100	1/2 x 3 1/2 "	3.20	3.20
100	1/2 x 5 "		3.80
70	1/2 x 5 1/2 "	4.00	2.80
100	1/2 x 5 "		4.20
50	1/2 x 6 1/2 "	4.40	2.20
115	1/2 x 7 "	4.60	5.29
50	1/2 x 7 1/2 "	4.80	2.40
50	1/2 x 8 "	5.00	2.50
30	1/2 x 8 1/2 "	5.20	1.56
13	1/2 x 9 "	5.40	.70
30	1/2 x 9 1/2 "	5.60	1.68
18	1/2 x 10 "	5.80	1.04
25	5/8 x 2 1/2 "	5.00	1.25
10	5/8 x 3 1/2 "	5.30	.53
30	5/8 x 4 "	5.45	1.64
60	5/8 x 5 "	6.20	3.72
65	5/8 x 5 1/2 "	6.50	4.22
50	5/8 x 6 "	6.80	3.40
40	5/8 x 6 1/2 "	7.10	2.80
40	5/8 x 7 "	7.40	2.96
50	5/8 x 7 1/2 "	7.70	3.85
15	5/8 x 8 "	8.00	1.20
50	5/8 x 8 1/2 "	8.30	4.15
			<u>88.11</u>
Less 60 10 & 5%		57.97	30.14
Total Amount For'd			1092.60

9

I R O N A N D S T E E L (CONTINUED).

		Amount Bro't For'd		1092.60
110	1/2 x 2 1/2 Machine Bolts	4.12	4.53	
10	1/2 x 3 "	4.38	.44	
25	1/2 x 3 1/2 "	4.64	1.16	
30	5/8 x 3	6.30	1.90	
50	5/8 x 3 1/2 "	6.72	3.36	
45	3/4 x 3 1/2 "	9.20	4.14	
25	3/4 x 4 "	9.70	2.43	
50	3/4 x 4 1/2 "	10.20	5.10	
			<u>23.06</u>	
		Less 70 & 2 1/2%	<u>16.31</u>	6.75
336#	1 1/4 Bolt Ends	.11	36.96	
		Less 60 & 10%	<u>23.65</u>	13.31
80#	1" Sq. Blank Nuts	3.35	2.68	
150#	3/4 "	3.55	5.32	
200#	7/8 "	3.40	6.80	
50#	1 1/8 "	3.35	1.68	
220#	Machine Nuts	.10	22.00	
28465#	20# T. Rails	^{27 cc} .07	384.27	
9000#	30# T. Rails	30.00	135.00	
2700#	30# T. Rail	30.00	<u>81.00</u>	<u>658.31</u>
Total Iron and Steel				1751.41

Ashland Mine

O I L S A N D G R E A S E S .

92	Gals. Air Cylinder Oil	.30	27.60
14	Gals. Capitant Cylinder Oil	.30	4.20
208	Gals. Red Engine Oil	.13 1/2	28.08
1373	Gals. Optimist Oil	.23	375.79
674	Gals. Zero Black Oil	.10 1/2	70.77
208 1/2	Gals. B. 50 Black Oil	.10	20.85
30	Gals. Kerosene Oil	.12	3.60
15	Gals. Outting Oil	.45	6.75
3453#	Axle Grease	.01 7/8	64.74
200#	gotolene	3.24	6.48
72#	Dilyy Fat	.10	7.20
62#	Cup Grease	.05	3.10
180#	Drilling Compound	.05	9.00
6132#	E.L. Candles	.07 1/4	<u>444.57</u>

Total Oils & Grease 1012.73

Ashland Mine

M A C H I N E R Y S U P P L I E S

12'	Lace Leather	.01	.12
5	5/8 x 14 W.G. Glasses	7.20	3.60
5	5/8 x 12 "	6.00	2.50
5	3/8 x 16 "	4.80	2.00
			8.10
	Less 30 & 10%		6.64 1.46
3	Water Gauge Cocks	.50	1.50
37#	Pump Springs	.30	11.10
17#	Prescott Rubber Valves	1.00	17.00
19	1/2# Worthington Rubber Valves	1.00	19.50
40#	#5 - 9 -10 Cameron Valves	.55	22.00
18#	Dixon's Graphite	.18	3.24
2	Glands for Prescott Pump	2.75	5.50
1	#12 Hancock Inspurator		7.50
7#	Goodsell's D. Pkg.	.80	5.60
13#	1/2 Sq. Flax Pkg.	.18	2.34
22#	5/8 "	.18	3.96
50#	3/4 "	.18	9.00
67#	1 "	.18	12.06
80	1/2# Garlocks Sec. & Ring Pkg.	.60	48.30
18	3/4# Crandulls "	.60	11.25
6	1/2# 7/8 Spiral Pkg. Garlock	.60	3.90
9	3/4# 3/4 "	.60	5.85
16	1/4 5/8 "	.60	9.75
236#	1 1/4 Sq. Flax Pkg.	.18	42.48
12	1/2# 1/4 Empire Pkg.	.21	2.62
44	1/2# 1/2 "	.21	9.34
15	3/4# 3/4 "	.21	3.30
34	3/4# 5/8 "	.21	7.29
2#	7/8 "	.21	.42
6#	1/2 Sq. Hydraulic Pump Pkg.	.32	1.92
6#	1/2 Sq. Hard Pump Pkg.	.35	2.10
6#	1/16 Kohmore Shut Pkg.	.53	3.18

12

Total For'd

273.58

Ashland Mine

MACHINERY SUPPLIES (CONTINUED).

		Amount Bro't For'd	273.68
6#	1/16 Nubian Shut	.61	3.66
70#	1/8 C.I.S. Pkg.	.11	7.70
40#	1/16 V.I.S. Pkg.	.04	1.60
20	1/2# 1/8 Rainbow Sheet Pkg.	.46	9.43
103#	1/16 Asbestos Sheet	.03	3.09
22#	Oak Tan Sole Leather	.40	8.80
212'	1' Walle Air Drill Hose	.31	65.72
32'	3/4 Garden Hose	.06	1.92
2	Pr. 6" Flange Unions	3.95	7.90
2	" 5" "	3.15	6.30
2	" 4" "	2.10	4.20
2	" 3" "	1.50	3.00
3	" 2 1/2" "	1.25	3.75
3	" 2" "	1.00	6.00
3	" 10" "	11.50	34.50
11	" 12" "	16.00	175.00
			241.65
Less 65 5 15%		173.34	68.31
5	Prs. 10" Flange Unions Been Used		28.75
1	10' Nipple Long		2.75
3	6' Coupling	2.40	7.20
2	5' "	1.65	3.30
3	4' "	1.00	3.00
2	3' "	.60	1.20
11	2 1/2' "	.40	4.40
36	2' "	.28	10.08
43	1 1/2' "	.21	9.03
58	3/4' "	.10	5.80
46	1' "	.13	5.98
50	1/2' "	.07	3.50
15	3/8' "	.06	.90
			62.14
Less 70 & 5%		44.42	17.72
Total			<u>216.70</u>
Total Amount For'd			490.28

Ashland Mine

M A C H I N E R Y S U P P L I E S (CONTINUED).

		Amount Bro't For'd	490.28
1	6 x 4 Reducers	5.35	
2	2 x 1 1/2 "	.45 .90	
13	1 1/2 x 1 1/4 Reducers	.28 3.64	
5	1 1/4 x 1 "	.20 1.00	
6	1 x 3/4 "	.16 .96	
2	3/4 x 1/2 "	.10 .20	
		12.05	
Less 75 & 5%		9.18	2.87
19	2 x 1 Bushings	.14 2.66	
1	6 x 5 "	1.25 1.25	
4	5 x 4 "	.93 3.72	
5	4 x 3 "	.50 2.50	
2	3 x 2 1/2 "	.30 .60	
6	2 1/2 x 2 "	.21 1.26	
7	2 x 1 1/2 "	.14 .98	
12	1 1/2 x 1 1/4	.09 1.08	
13	1 1/4 x 1 "	.07 .91	
31	1 x 3/4 "	.06 1.86	
6	3/4 x 1/2 "	.05 .30	
7	1/2 x 3/8 "	.04 .28	
9	3/8 x 4 "	.04 .36	
		17.76	
Less 70 10 & 5%		13.20	4.56
5	2" Unions	.75 3.75	
17	1 1/2" "	.58 9.86	
13	1 1/4" "	.36 5.98	
19	1" "	.33 6.27	
29	3/4" "	.27 7.83	
23	1/2" "	.22 5.06	
4	3/8" "	.20 .80	
6	1/4" "	.18 1.08	
		40.63	
Less 70 & 5%		28.04	11.59
Total		19.02	
14 Total Amount For'd			509.30

Ashland Mine

MACHINERY SUPPLIES (CONTINUED).

		Amount Bro't For'd	509.30
1	6" Cast Tee	4.00	
4	5" "	3.00	12.00
6	4" "	1.75	10.50
3	3" "	1.10	3.30
8	2 1/2" "	.73	<u>5.84</u>
		35.64	
Less 65 & 5%		<u>23.78</u>	23.86
11	2" Mal. Tees	.60	6.60
23	1 1/2" "	.45	10.35
36	1 1/4" "	.30	10.80
26	1" "	.25	6.50
18	3/4" "	.15	2.70
7	1/4" "	.11	.77
11	5/8" "	.08	.88
3	1/4" "	.07	<u>.21</u>
		38.81	
Less 75%		<u>29.11</u>	9.70
1	10" Cast Elbow	19.50	
1	10" " Long Sweep		6.75
2	6" "	2.75	5.50
2	5" "	2.00	4.00
10	4" "	1.20	12.00
4	3" "	.75	3.00
7	2 1/2" "	.50	<u>3.50</u>
		47.50	
Less 65 & 5%		<u>31.70</u>	15.80
2	2" Mal. Elbows	.50	1.00
27	1 1/2" "	.35	9.45
23	1 1/4" "	.25	5.75
12	1" "	.22	2.64
12	3/4" "	.15	1.80
6	3/8" "	.06	.36
9	1/4" "	.04	<u>.36</u>
		33.16	
Less 75%		<u>17.37</u>	5.79
Total Amount For'd		<u>559.20</u>	49.90
			<u>559.20</u>

15

Ashland Mine

M A C H I N E R Y S U P P L I E S (CONTINUED).

		Amount Bro't For'd	559.20
1	7" Cast Plug	1.85	
1	6" "	1.20	
3	5" "	.88	2.64
9	4" "	.42	3.78
5	3" "	.25	1.25
3	2" "	.10	.30
9	1 1/2" "	.07	.63
2	1 1/4" Plugs	.05	.10
11	1" "	.04	.44
11	3/4" "	.03	.33
23	1/2" "	.02	.46
24	3/8" "	.02	.48
2	1/4" "	.02	.04
		<u>13.50</u>	
	Less 70 10 & 5%	<u>10.03</u>	3.47
2	3" I. B. Gate Valve	15.00	30.00
	Less 70%	<u>21.00</u>	9.00
2	2" Swing Checks	7.50	15.00
8	1" Steam Cocks	2.35	18.80
1	3/4" Check		2.35
3	1" steam Cock	2.35	<u>7.05</u>
		43.20	
	Less 60 10%	<u>27.64</u>	15.56
3	2" Brass Gate Valve	7.50	22.50
	Less 65 10%	<u>15.40</u>	7.10
7	2" Brass Gate Valves	5.30	37.10
5	1 1/2" "	3.50	17.50
5	1 1/4" "	2.50	15.12
19	1" "	1.80	34.20
8	3/4" "	1.26	10.08
2	3/8" "	.77	1.54
		<u>115.54</u>	
	For'd		
	Total For'd 16		594.33

Ashland Mine

M A C H I N E R Y S U P P L I E S (CONTINUED)

		Amount Bro't For'd	
	For'd	115.54	
9	1/4" Brass Gate Valves .72	6.48	
5	1/4" Bibb Cocks Air .70	3.50	
1	1/2" L.H. Bibb Cocks .80	.80	
4	3/8" Air Cocks .50	<u>2.00</u>	
		128.32	
	Less 60%	<u>76.99</u>	51.33
1	Val ar Pat Worthington Pump		80.00
12#	7/8 x 3 1/2 x 36 Fiber .60	7.20	
42 1/2#	5/8 x 7 x 48 " .60	25.50	
12#	1 x 4 1/2 x 36 " .60	7.20	
12#	Steam Shovel Fiber .60	<u>7.20</u>	
		47.10	
	Less 10%	<u>42.71</u>	42.39
	Rand Drill Parts/		
43#	Check Forgings .11		4.73
2	Rotating Bars		10.80
3	Feed Screw Handles		2.40
16	Piston Pasking Springs		1.80
6	Pawl Springs .04		.24
8	C. & H. Packing .40		3.20
8	Rockers 4.40		35.20
5	Feed Nuts 4.00		20.00
11	Jamb Nuts for Feed Nuts .40		4.40
6	Cylinder Buffers 1.00		6.00
3	c. & H. Bushings 4.20		12.60
3	Check Bushings 4.00		12.00
2	Standards 10.00		20.00
14	Rocker Pins .80		11.20
14	Steam Chest Studs .24		3.36
34	Steam Chest Nuts .08		<u>2.72</u>
	Total		<u>324.37</u>
	Total Amount For'd		918.70

17

Ashland Mine

M A C H I N E R Y S U P P L I E S (CONTINUED).

Amount Bro't For'd

918.70

Ingersoll Sergeant Drill Parts.

26	Cap Leathers	.10	2.60
6	Cranks		10.00
3	Feed Nuts	5.25	9.75
6	"	3.25	19.50
34	Piston Bushings	2.00	69.25
2	Front Heads		16.75
4	Arm Clamps		53.40

Sullivan Drill Parts.

2	Feed Nuts	3.25	6.50
4	Chuck Bushings	1.75	7.00
13	Leather Packings	.10	1.30
8	Pawl Springs	.03	.24
745	# Mang. Steel Skip Wheels	9.34	69.86
2340	# Mang Car Wheels	8.34	195.16
1760	# Cast Car Wheels	2.65	46.64
1143	# Shaft Angle Sheaves	2.65	30.29
96	# Pulley Stand		2.54
52	# Col. Caps		1.38
133	# Col. Screw Nuts	2.65	3.25
76	# Water Blocks	2.65	2.01
28	# Front Heads	2.65	.74
99	# Skip Wheel Bushings	2.65	2.62
300	# CoL/ Nuts	2.65	7.95
60	# Pump Bushings	2.65	1.59
475	# Pump Plungers	2.65	12.58
600	# Pump Bushings	2.65	15.90

Total

589.00

Total Amount For'd

1507.50

Ashland Mine

M A C H I N E R Y S U P P L I E S (CONTINUED).

	Amount Bro't For'd		1507.50
60# Drill Cylinder	2.65	1.59	
2 F. Keyed Head for Gate's Crusher	3.00	6.00	
233 3" x 8" Basswood Brake Woods	.15	34.95	
50 3" x 5" " Old	.05	2.50	
40 3 x 8 Maple Brake Wood	.05	2.00	
50 3 x 5 " "	.05	2.50	
1 Cap for Steam Shovel		1.25	
42' 3 1/2" Pipe		12.89	
60# Pump Flange Rough	2.65	1.59	
	Total		<u>65.27</u>
	Total Machinery Supplies		1572.77

Ashland Mine

BUILDING MATERIAL

15	Prs. 6" Strap Hinges	.10	1.50
15	" 8" "	.15	2.25
4	Doz. 4" "	1.00	4.00
3	Doz. 4" Hasps		1.25
3	Bbls. Fire Clay	2.10	6.30
2	" Cement	3.90	7.80
112	Sheets 10' Cor Iron #24)	4.00	
40	" 9' " #24)		128.28
31	Lights 12 x 30 Glass	.30	9.30
6	" 14 x 30 "	.32	1.92
2	" 14 x 20 "	.27	.54
1	" 10 x 16 "		.16
4	Rolls Building Paper	.80	3.20
13.43	Sqs. Cor. Iron #26	3.25	43.65
24	Gals. Smoke Stack Paint	.85	20.40
9800'	2" Call Maple Plank	10.00	98.00
1736'	4 x 6 x 14 Maple	.13	22.56
2240'	2" Maple	13.00	29.12
6558'	1/2" "	13.00	85.25
420'	1" "	13.00	5.46
140'	2 x 4 1/2 12' Ladder Stock	14.00	1.96
843'	2 x 4 12' "	14.00	11.80
8300'	Tamarank	14.50	120.35
2000'	"	13.50	27.00
9800'	Hemlock 2" Plank	10.00	98.00
1500'	" 1" "	11.00	16.50
150'	1/2" Basswood	25.00	3.75
90'	1/4 Round		.54
80'	7/8 Case		.48
100'	1 1/2 Ship Common	25.00	2.50
1	Sleigh Tongue		.75
360'	12 x 12 - 30	24.00	8.64
835'	10 x 16 x 20	22.00	18.37

Total Amount For'd

781.58

20

20

Ashland Mine

BUILDING MATERIAL (CONTINUED).

				Amount Bro't For'd	\$81.58
266'	10 x 10	-16	Pine	16.50	4.39
1171'	8 x 8	-20	"	17.00	19.91
294'	6 x 6	-14		14.00	4.12
234'	10 x 10	-14			3.27
765'	8 x 8	-16	Hemlock	11.50	8.80
5472'	6 x 12	-16	"	11.50	62.93
256'	8 x 12	-16	"	11.50	2.94
345'	3 x 10	-16	"	11.00	3.80
432'	12 x 12	-16	"	11.00	4.75
1632'	6 x 12	-16	Pine	18.00	29.38
3248'	6 x 14	-16		19.00	61.71
5376'	12 x 12 x 14			18.00	96.77
25056'	12 x 12	-18		19.00	476.06
5040'	12 x 12	-12		19.00	95.76
29500'	10 x 12	-20		20.00	590.00
1630'	10 x 14	-20		23.00	37.49
894'	14 x 14	-18		21.00	18.77
2368'	4 x 12	-16		18.00	42.62
1942'	4 x 14	-16		19.00	36.90
300'	10 x 12	-30		28.00	8.40
260'	10 x 12	-26		24.00	6.24
1344'	12 x 16	-14	Hemlock	10.50	14.11
Total				1629.12	<u>1629.12</u>
Total Building Material					2410.70

21

21

Ashland Mine

M I N E T I M B E R .

16405	Pcs. 7' Timber	.25 1/4	4142.26	
753	" 14' "	.50 1/2	380.26	
13	Trestle Poles 40'	7.00	91.00	
592'	Trestle Poles	.16	94.72	
300'	"	.12	36.00	
120'	12" Flat Timber	.07	8.40	
16'	15 x 15 x 16 Hemlock Hewed	.20	3.20	
796	Cds. 8' Logging	3.50	2786.00	
566	" 7' "	3.25	1839.50	
350	Pcs. 10' "	.07	24.50	
			<u>9405.84</u>	
	Less 25%		<u>2351.46</u>	7054.38
	Total Mine Timber			7054.38

F U E L .

915	Crds. Hardwood	2.25	2058.75	
325 1/2	Crds. Mixed Woods	1.85	602.17	
1700	Tons Coal	3.08	<u>5245.85</u>	
	(Rail Freight to Mine Not Yet Paid)			
	Total Fuel			7906.77

B A R N .

823	Bus. Oats	.39 1/2	326.66	
4	Tons Hay	14.00	<u>56.00</u>	
	Total Barn			382.66

Ashland Mine

EXPLOSIVES.

2000#	27%	Dynamite	9.20	184.00
1350#	40%	"	.10 1/2	141.75
250#	50%	"	.12	30.00
1455'		Fuse	3.78	55.00
3900		Caps	5.50	21.45
50	6'	Exploders	3.20	1.60
34'		Connecting Wire	.40	1.20

Total Explosives

435.00

Ashaland Mine

ANTIQUATED SUPPLIES.

1	8" Counter Shaft			
	320# Grate Bars	.0	6.40	
1	Hand Pump		10.00	
1934	# Grate Bars	.02	38.68	
1	Iron Bay Hoist		20.00	
1	Single Hoist in Shop		<u>10.00</u>	
			85.08	
	Less 100%		<u>85.08</u>	00.00

Ashland Mine

PORTABLE MACHINERY

PUMPS.

1	Worthington Condensor # 7 1/2 x 10 1/4		
	x 10 Engine House 92		210.92
1	Worthington Duplex Compound Plunger		
	Pumping Engine 15 x 23 x 9 1/4 x 24 with		
	#5 Worthington Condensers 7 1/2 x 8 1/2 x 10		
	#4 10th Level 94		2946.69
1	Prescott Duplex Non-Condensor 22 x 14 x 18		
	#7 6th Level		810.00
1	Prescott Duplex Non)Condensing 22 x 14 x 18		
	#7 10th Level		810.00
1	Prescott Duplex Compound 14 x 26 x 18 x 10		
	Comp. with 7 x 12 x 12 Condensor 1900		2430.00
1	Prescott Vert. Sinker #3		700.00
1	"		700.00
1	Duplex Worthington Feed Pump 7 1/2 x 5 x 6		
	Boiler House		50.00
1	#5 Knowles Feed Boiler		35.00
1	#10 Cameron Pump	10th Level	219.24
1	#10 "	Loaned O.I.Co.	219.24
1	#10 "	Shop	200.00
1	#10 "	Tank House	300.00
1	#10 "	Shop	300.00
1	#9 "	10th Level #4	125.00
2	#9 "	13th Level #3	85.52
1	#9 "	Special 12th Level	
		#4	125.00
1	#8 "	Loaned O.I.Co.	66.70
1	#8 "	Boiler House H.I.O.	
1	#7 "	13th Level #7	66.81
1	#7 "	2nd Level #6 H.I.O.	
1	#7 "	WareHouse	66.81
1	#7 "	Shop	25.00
	Forward		10491.93

Ashland Mine

P O R T A B L E M A C H I N E R Y (CONTINUED).

	Amount Bro't For'd	10491.93	
1	#5 Cameron Pump	Tank House	38.93
1	#5 "	Shop	61.07
			10591.93
	Less 25%		2647.98
			7943.95
2	10 x 14 x 16 Ind. Pump & Condensers		
	being to Prescott Pump in #7		1008.00
	Less 25%		252.00
			756.00
1	Rice Automatic Engine	Machine Shop	75.00
1	Marmette Hoist 6 x 8 Du.		
	18" Drum 89	Loaned Odanah Co.	40.80
1	Mammoth Hoist 6 x 8 -18		
	Drum #6 - 5 L.		80.32
1	Mammoth Hoist 6 x 10 -36" New #6		60.75
1	Frazer & Chalmers 6 x 8 x 18" New		27.00
1	Bullock #1 6 x 8 12 x 14		
		Loaned Odanah Iron Co.	68.04
			351.61
	Less 25%		87.90
			263.71
	Total Portable Machinery		8207.66

Record.

1	#10 Cameron Pump	12th Level #4 Shaft	Harmony I. Co.
1	#8 Cameron Pump	Boiler House	Harmony Iron Co. Iron Co.
1	#7 Cameron Pump	Shop	H. I. Co.
1	Small Puffer in use in Laboratory		H. I. Co.

Ashland Mine

P O W E R D R I L L S .

2	U. E. 3-1/2 Sullivan Drills	100.00	200.00	
2	U. D. 3 "	100.00	200.00	
1	U. C. 2-3/4 "	100.00	100.00	
4	D. 24 I. S. Drills	100.00	400.00	
3	Rand Sluggers from Ishpeming		523.54	
1	"		25.00	
4	#2 Little Giant Rand	50.00	200.00	
			1648.54	
	Less 25%		412.13	1236.41
5	E. 24 I. S. Drill Complete			
	Tripods & Clamps	205.00	1025.00	
4	E. 24 I. S. Drills	155.00	620.00	
			1645.00	
	Less 10%		164.50	1480.50
6	Rand Tripod Small			
21	Posts & Clamps			
4	4" Cal. Arm Clamp		48.00	
4	4-1/2" Arm Clamp		52.00	
			100.00	
	Less 10%		10.00	90.00
1	D. 24 I. S. Drill New		155.00	
	Less 10%		15.50	139.50
	Total Power Drills			2946.41

Ashland Mine

DIAMOND DRILLS .

1	Bullock Crescent Drill with Swivel Head		
	and lot of Rods 1' - 1 5/8 x 8 & 10 Old	492.40	
1	7' Core Barrel	14.00	
1	4' "	8.00	
1	3' "	6.00	
1	2 1/2' "	5.00	
1	12' Sheave	1.00	
1	Safety Clamp	1.50	
2	Pistons	14.50	29.00
7	Bitts		12.75
3	Sullivan Rod Couplings		1.50
13	Bullock Couplings		6.50
2	Core Lifters		2.00
1	Bitt Chuck		.25
2	Chapping Bitts		10.00
1	Top for D. Rods		2.50
2	Casing Bitts		4.00
1	Hoisting Swivel		1.00
1	8' Core Barrel		21.00
4	Core Lifters	1.50	6.00
1	Core Lifter Couplings		1.50
1	10' Core Barrel		21.00
2	"A" S.R. Core Lifters	3.00	6.50
1	"A" Core Barrel		9.90
1	Core Shell		3.80
2	Taper Core Springs	5.00	10.00
1	4" Vice		6.75
1	"A" Bitt Gauge		1.00
			684.85
	Less 95%		650.61
	Total Diamond Drills		34.24

Ashland Mine

C A R S , S K I P S & D E R R I C K S .

59	1 Ton Cars Underground	5.00	295.00
20	1/2 Ton "	3.75	75.00
10	2 Ton Top Cars	5.00	50.00
5	2 Ton Skips	43.75	218.75
3	2 Ton Skips Old	12.00	37.50
2	1 1/2 Ton Skips Old	2.50	5.00
4	Boilers	18.75	75.00
2	2 Ton Buckets	10.00	20.00
4	1 Ton Buckets	3.75	15.00
2	1 1/2 Ton Buckets	2.50	<u>5.00</u>
			796.25
	Less 50%		<u>398.12</u>

Total Cars, Skips & Derricks 398.13

S T E A M S H O V E L S .

1	45 Ton Bucyrus Steam Shovel	1800.00	1800.00
	Less 40%		<u>720.00</u>
	Total Steam Shovel		1080.00

Ashland Mine

B A R N

1	Bay Mare	Doll	125.00
1	Bay Horse	Charlie	125.00
1	Grey Mare	Nell	125.00
1	Grey Horse	Prince	125.00
1	Grey Mare	Bess	150.00
1	Grey Mare	Queen	125.00
1	Set Double Harness		25.00
1	"		30.00
1	"		35.00
2	Prs. Stable Blankets		8.00
3	Prs. Storm Blankets		12.00
			<u>885.00</u>
	Less 25%		<u>221.25</u>

Total Barn Acct.

663.75

C A R T S , W A G O N S & S L E I G H S .

1	Road Wagon	20.00
2	Wagons	10.00
1	Wagon	—
1	Truck	10.00
1	Truck	65.00
4	Prs. Sleighs	10.00
1	" "	25.00
1	" "	20.00
1	Dump Cart	50.00
1	Saw Dust Box	5.00
		<u>215.00</u>
	Less 75%	<u>161.25</u>

Total Carts, Wagons & Sleighs

53.75

THE CLEVELAND CLIFFS CO

Recapitulation of Ashland Mine Inventory, November 30th, 1901.

	Net Amount
General Supplies	554.03
Iron & Steel	1751.41
Oil, Grease & Candles	1012.73
Machinery Supplies	1572.77
Building Material	2410.70
Explosives	435.00
Mine Timber	7054.38
Fuel	7906.77
Barn	382.66
<u>Total</u>	<u>23080.45</u>

<u>MINE EQUIPMENT</u>	Per cent Ded.	Valuation	Deduction	Net Am't
Steam Shovel	40%	1800.00	720.00	1080.00
Diamond Drills	95%	684.85	650.61	34.24
Power Drills	17%	3548.54	602.13	2946.41
Cars, Skips & Derricks	50%	796.25	398.12	398.13
Portable Machinery	25%	11951.54	2987.88	8963.66
Barn	<u>35%</u>	<u>1100.00</u>	<u>382.50</u>	<u>717.50</u>
Total		19881.18	5741.24	14139.94

Grand Total.

27220.39





Sub Index

Mine Dept.

- 1 Lake Mine Cost Sheet.
- 2 Hard Ore " " "
- 3 Hematite " " "
- 4 Truck Mine Report.
- 5 Mineral Land Expense
- 6 Repairs to Buildings Not Rented
- 7 Record of Cost of Work at Hard Ore Shot
- 8 Division of Cost, Lake Mine
- 9 Operating Steam & Horse Use of
- 10 Record of Fire Insurance on Buildings & Mine Bldgs.
- 11 Heating & Maintenance of Electric & Lignite Plant.
- 12 List of Rented Horses, All Mines
- 13 Record of Delays, Lake Mine
- 14 " " " Hard Ore Mine
- 15 Ore Statements
- 16 Statement of Charges to Hard Ore Location
- 17 Analysis of Improvement & Fuel Consum.
- 18 Summary of Appreciation, Lake Mine
- 19 Laboratory Statement
- 20 Detail of Account. Payable
- 21 " " " Receivable
- 22 Analysis of Ore Deliveries

Land Subarment

Miscellaneous

- 23 Comp. Stmt. of General Expense Accts
- 24 " " " Fuel
- 25 Repair to Cliff's Cottage & Expenses
- 26 List of Land Acq. at Cottage, American Residence, etc.

Refer to part 2

Refer to part 2

The Cleveland-Cliffs Iron Co.

Lake

Mine.

Cost Sheet for Month of

year 1901

&

1900.

Summary of Supplies Used During *year* 1901 & 1900

THE CLEVELAND-CLIFFS IRON CO.	COST OF SUPPLIES.		COST PER TON.	
	<i>Lake</i> MINE.	MONTH. 1901	YEAR. 1900	FOR 1901 MO.
PRODUCT.	468.883	497.204		
General Supplies,	684680	1213880	015	024
Iron and Steel,	328370	575999	007	011
Oil, Grease and Candles,	527093	463680	011	009
Machinery Supplies,	1058335	681383	023	014
Building Material,	904082	458415	019	009
Explosives,	1414837	1393424	030	028
Mine Timber,	2547905	2520426	054	051
Fuel,	2391325	1972568	051	040
Barn,	25032	23512	001	000
Sundries,	435724	228406	009	005
Total Supplies,	10317383	95.32293	220	191
Miscellaneous,				
Total,				
As per Cost Sheet,				
Improvement,				
New Construction,		1		
Other Charges,				
Total,				

The Cleveland-Cliffs Iron Co.

Hard Ore Mine.

Cost Sheet for ~~Month~~ of

1901. *3* 190*0.*

Summary of Supplies Used During 1901 & 1900

THE CLEVELAND-CLIFFS IRON CO.		COST OF SUPPLIES.		COST PER TON.	
MINE.	PRODUCT.	MONTH	YEAR	FOR	FOR
		1901	1900.	1901	1900
		MO.	YEAR.		
<i>Hard Ore</i>		<i>Mar</i>			
		76.085	74.459		
General Supplies,		88825	267632	012	036
Iron and Steel,		92808	132791	012	018
Oil, Grease and Candles,		162594	156841	022	021
Machinery Supplies,		210239	255228	028	034
Building Material,		159875	126201	021	017
Explosives,		846038	706071	111	095
Mine Timber,		2617		000	
Fuel,		957983	1010250	126	136
Barn,			58408		008
Sundries,		100637	21727	013	003
Total Supplies,		26.21616	27.35149	345	368
Miscellaneous,					
Total,					
As per Cost Sheet,					
Improvement,					
New Construction,			2		
Other Charges,					
Total,					

THE CLEVELAND-CLIFFS IRON CO.

Cost of Production for the Year of 1901 and 1900.

MINE.	MONTH OF <u>12 months</u> <u>1901</u> <u>76,85</u> TONS.				<u>12</u> MONTHS <u>of</u> <u>1900</u> <u>74,59</u> TONS.				TOTAL	TONS.
	LABOR.		SUPPLIES.		LABOR		SUPPLIES.			
	AMOUNT.	COST PER TON.	AMOUNT.	COST PER TON.	AMOUNT.	COST PER TON.	AMOUNT.	COST PER TON.		
GENERAL EXPENSE.										
Insurance,			32215	002	32215	002	44616	006	44616	006
Taxes,			280225	050	380225	050	512602	109	812602	109
Engineering,	14925	002	197	000	15122	002	2367	000	18218	003
Analysis,			18703	003	18703	003	18503	003	18503	003
Relief Fund,			56250	007	56250	007	68340	009	68340	009
Mine Office,	193551	026	32577	004	228278	030	182302	024	229371	030
General Office,	125144	016	34736	005	159880	021	74889	010	249721	013
Total,	333220	044	557403	073	891020	117	273642	037	1018333	136
MAINTENANCE—Repairs of										
Tracks and Yards,	313	000	41	000	354	000	30692	004	63122	008
Docks, Trestles and Pockets,	109827	014	138675	019	248622	033	45978	006	96523	013
Buildings,	15934	002	20242	003	36178	005	20912	003	37261	005
Shop Machinery,							9162	001	14141	002
Boilers,	8507	001	18898	002	24405	003	18727	003	42641	006
Hoisting Machinery,	2955	001	1961	000	4916	001	5485	001	7159	001
Compressors and Air Pipes,	9641	001	4239	001	13880	002	4102	001	4383	001
Portable Machinery,	44615	006	42828	006	87440	012	23802	003	27570	004
Top Tram Engines and Cars,	22094	003	20233	002	42327	005	22379	003	42596	006
Skips and Skip Roads,	21826	003	20430	002	42256	005	12256	002	28922	003
Underground Tracks and Cars,	57202	008	36062	004	93284	013	67786	009	130702	018
<i>Testing Eng. & Boilers.</i>							2076	000	2150	000
Total,	292974	039	300608	039	593582	078	265229	036	251175	031
MINING EXPENSE.										
Air Pipes,	13910	002	21443	003	35383	005	15927	002	29766	004
Compressors,	170957	022	397529	053	518506	075	171415	023	411656	055
Hoisting,	260886	034	188583	021	419469	055	259461	035	165650	024
Wire Rope, Skips and Pulley Stands,	8405	001	3031	001	11436	002	6536	001	2338	000
<i>Winding</i> Pumps,	278962	030	252602	037	511544	067	209862	028	319873	043
Sinking,	69136	009	26010	003	95146	012				
Drifting,	717382	094	217213	029	934695	123	691276	093	182735	026
Breaking Ore,	2182718	287	897327	118	308045	405	2457747	330	774251	104
Tramming,	1381323	182	86524	011	1467847	193	1568215	211	80222	010
Filling,										
Timbering,	30837	004	5664	001	38501	005	38010	005	2927	001
Mining Captain and Bosses,	304570	040	304570	040	304570	040	300817	040	300817	040
Dry House,	52284	007	19005	002	71289	009	42317	006	12730	002
Top Landing and Tramming,	207507	027	16007	002	223514	029	194099	026	26879	003
Stoking and Sorting,	65546	009	12708	001	78258	010	41742	005	4184	001
<i>Sorting Ore.</i>	519202	068			519202	068			45926	006
Total,	6213625	816	2143766	222	6357391	1098	8997424	805	1998490	269
Cost of Production, Per cent.,	68.40219	899	30.01777	394	98.41996	1293	65.86297	878	32.47902	434
EXPLORATORY.										
Exploring in Mines,										
Exploring Outside,										
DEPRECIATION.										
Inventory,					23123	030			17885	002
Improvement,					24925	003			60408	008
New Construction,					35751	005			220893	110
<i>Total Credit</i>					292099	038			307274	013
Total,					1101	000			3971322	033
Total Cost on Stock Pile,	68.40219	899	30.01777	394	101.32994	1331			1.93091	026
LOADING AND SHIPPING.										
Loading by Steam Shovel, <u>1901</u>							2185		73255	033
<u>1900</u>							37744		2604	010
Loading by Hand, <u>1901</u>							3465		40348	110
<u>1900</u>									3465	010
Bosses and Sorters,										
Total Loading Stock Pile,							59037		4357	015
Loading at Pocket, <u>1901</u>										
<u>1900</u>										
Shipping Expense,							102431	013	90216	012
Total,							6638728	891	3338212	429
Total Cost on Cars,	68.40219	899	30.01777	394	101.32994	1331	6638728	891	3338212	429
Royalty, Comm'n and Expense, Cleveland Office,							150			150
Total Cost,							1461			1996

ACCOUNTS NOT SHOWN OFF.	Mos.		Mos.		SINKING.			DRIFTING.			COMPARATIVE COST.		COMPARATIVE COST.	
	AMOUNT.	PER TON.	AMOUNT.	PER TON.	FEET.	COST.	PER FT.	FEET.	COST.	PER FT.	TONS.	TONS.		
New Construction, Improvement,					Current Mo. 12 Mos. 1901	17	95146	5.595	894	934695	1045	1807	12 Mos. 1900	10.651
Total,					12 Mos. 1900				9692	874011	902	1809	12 Mos. 1900	8.972

REMARKS.

ANALYSIS OF LABOR.

Labor as per Cost Sheet,
Other Charges,

Total,
As per Labor Statement,
General Pay Roll,
Total,

Attain of Credits
1901 = Maintained Wages 11.01

1900 Shop Expenses 88074
 1900 Fall of Equipment 74237
 1900 Cleveland Wages 30720
1930.91

The Cleveland-Cliffs Iron Co.

Sematite Mine.

Cost Sheet for Month of

190 /

Summary of Supplies Used During 190.....

THE CLEVELAND-CLIFFS IRON CO.	COST OF SUPPLIES.				COST PER TON.			
.....MINE.	MONTH.		YEAR.		FOR		FOR	
PRODUCT.					MO.		YEAR.	
General Supplies,								
Iron and Steel,								
Oil, Grease and Candles,								
Machinery Supplies,								
Building Material,								
Explosives,								
Mine Timber,								
Fuel,								
Barn,								
Sundries,								
Total Supplies,								
Miscellaneous,								
Total,								
As per Cost Sheet,								
Improvement,								
New Construction,								
Other Charges,								
Total,								

3

THE CLEVELAND-CLIFFS IRON CO.

Cost of Production for the Month of *1 1/2 Months* 190*1*

MINE.	MONTH OF		TONS.		1 1/2 MONTHS, 1901		1 1/2 MONTHS, 1900			
					TONS.		TONS.			
					210		210			
	LABOR.		SUPPLIES.		TOTAL.		TOTAL.		TOTAL.	
	AMOUNT.	COST PER TON.	AMOUNT.	COST PER TON.	AMOUNT.	COST PER TON.	AMOUNT.	COST PER TON.	AMOUNT.	COST PER TON.
GENERAL EXPENSE.										
Insurance,							13 44		13 44	
Taxes,							262 16		113 83	
Engineering,										
Analysis,									3 63	
Relief Fund,										
Mine Office,										
General Office,										
Total,							266 19		130 40	
MAINTENANCE—Repairs of										
Tracks and Yards,										
Docks, Trestles and Pockets,										
Buildings,										
Shop Machinery,										
Boilers,										
Hoisting Machinery,										
Compressors and Air Pipes,										
Pumps,										
Portable Machinery,										
Top Tram Engines and Cars,										
Skips and Skip Roads,										
Underground Tracks and Cars,										
Total,										
MINING EXPENSE.										
Air Pipes,										
Compressors,										
Hoisting,										
Wire Rope, Skips and Pulley Stands,										
Pumps,										
Sinking,										
Drifting,										
Breaking Ore,										
Tramming,										
Filling,										
Timbering,										
Mining Captain and Bosses,										
Dry House,										
Top Landing and Tramming,										
Stocking and Sorting,										
Total,										
Cost of Production, Per cent.,							266 19		130 40	
EXPLORATORY.										
Exploring in Mines,										
Exploring Outside,										
Total,										
DEPRECIATION.										
Inventory,										
Improvement,										
New Construction, <i>Unclaimed Stock</i>									103 86	
Total,									103 86	
Total Cost on Stock Pile,							266 19		270 26	
LOADING AND SHIPPING.										
Loading by Steam Shovel, Tons										
Loading by Hand, "										
Bosses and Sorters, "										
Total Loading Stock Pile, "										
Loading at Pocket, "										
Shipping Expense,										
Total,										
Total Cost on Cars,							266 19		270 26	
Royalty, Comm'n and Expense, Cleveland Office,										
Total Cost,										

ACCOUNTS NOT SUNK OFF.	Mos.		Mos.		SINKING.			DRIFTING.			COMPARATIVE COST.	
	AMOUNT.	PER TON.	AMOUNT.	PER TON.	FEET.	COST.	PER FT.	FEET.	COST.	PER FT.	TONS.	TONS.
New Construction,											190	Mos.
Improvement,											190	Mos.
Total,											190	Mos.

REMARKS.

ANALYSIS OF LABOR.
Labor as per Cost Sheet,
Other Charges,

Total,
As per Labor Statement,
General Pay Roll,
Total,

CLEVELAND IRON MINING COMPANY.

Corrected Report.

Weekly Mine Report for the Week Ending

November 30th

1901

GRADES	TONS FOR WEEK		PREVIOUS FOR MONTH	TOTAL FOR MONTH	OVERRUNS AND SHORTAGES	TOTAL FROM DEC. 1, 1900	Transferred To and Transferred From	IN STOCK DEC. 1, 1900	TOTAL	SHIPMENTS TO DATE	BALANCE ON HAND	AVERAGE DAILY ORE HOIST		
	ROCK	ORE										WEEK	MONTH	YEAR
Scotch,	96	1851	4802	6653		76085		3147	79232		79232	264	266	254
Michigamme,						34867		748	35615	24537	11078			143
Volunteer,								18723	18723		18723			
Comrade,								23329	23329		23329			
Total from Hard Ore Mines,	96	1851	4802	6653		110952		45947	156899	24537	132362	264	266	397
Lake Bessemer,	443	¹⁵⁹⁸ 3269	12152	¹⁵⁹⁸ 15361	4122	186203		19400	205603	203329	2274	515	678	629
Lake,		³¹² 6376	17145	³¹² 23521		282680	3129	40319	326128	206583	119545	922	953	953
Imperial,								7509	7509		7509			
Webster,														
Total from Hematite Mines,	443	11492	29297	40789	4122	468883	3129	67228	539240	409912	129328	1437	1631	1584
Grand Total,	539	13343	34099	47442	4122	579835	3129	113175	696139	434449	261690	1701	1897	1981
Rock, previous for Month,	1794													
total " "	2333													
" " from Dec. 1, 1900	39067													

OVERRUNS shown in Black; Shortages in Red; Transfers To in Black; Transfers From in Red.

*Transfers
Salisbury to Lake 31*

Corrected Report

LEVELAND IRON MINING CO.

REPORT OF ORE MINED AND SHIPPED

Week ending *Nov 30* 190*1*

Cleveland Iron Mg. Co. & Iron Cliffs Co.

Analysis of "Mineral Lands" for the year ending November 31st, 1901.

Cleveland Iron Mg. Co.

Jany. 1901	Recording Surrender of lease from the Jackson Iron Company to the Cleveland-Cliffs Iron Co.	<u>.75</u>
	Total	.75

Iron Cliffs Co.

Dec. 1900	Mitchell option on Sec. 12-47-27 P. Pepin's time - 1-1/4 days	3.00
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CLEVELAND IRON MINING COMPANY.

Repairs to Buildings not Rented, for Year Ending November 30th, 1901.

<u>M. M. DUNCAN'S RESIDENCE.</u>		
Doors and Windows	99.01	
Roof Repairs	2.37	
Stove	17.31	
Furniture	41.84	
Furnace	4.91	
Chimney Cap	7.25	
Electric Lights	22.00	
Ice House	143.45	
Kitchen Repairs	16.00	
Barn	302.09	
Water Works	21.31	
Fire Extinguisher	3.06	
Floors	98.18	
Painting and Papering	74.83	
Tools	2.28	
Bay Window	76.54	
Flag Pole	2.90	
Whitewashing Basement	9.60	
Moulding	1.54	
Cellar	2.51	
Plastering	1.55	
Root House	4.66	
Electric Bells	3.24	
Boiler Repairs	4.15	
Water Closet	37.36	
Radiator	40.62	
Cleaning Yard	3.30	
Hot Beds	11.59	
Cutting Wood	10.00	
Total on Buildings		1065.45
<u>CARE OF GROUNDS</u>		
As per Land Improvement Statement		152.82
GRAND TOTAL		1218.27

CLEVELAND IRON MINING CO.

Record of Cost of Work at the Hard Ore Shop for the year ending November
30th, 1901.

	Machine Shop		Blacksmith Shop		Carpenter Shop	
	1900	1901	1900	1901	1900	1901
Aver. no. of men	7	10	5	6	2	2
Total no. of hrs. worked	23200	30174 $\frac{1}{2}$	17137 $\frac{1}{2}$	18180	7537 $\frac{1}{2}$	6685
Hrs. on shop tools, etc.	213	454 $\frac{1}{2}$	222	1760 $\frac{1}{2}$	118 $\frac{1}{2}$	908
Hrs. for vars. persons and mines	4062	5350 $\frac{1}{2}$	1997	1752 $\frac{1}{2}$	1564	1400
Hrs. on mine accts. (CIMCO)	18925	24369 $\frac{1}{2}$	14918 $\frac{1}{2}$	14667	5855	4377
Total cost per hr.	.278	.277	.230	.233	.239	.251
Cost per hr. on shop tools	.278	.277	.230	.233	.239	.251
Cost per hr. various accounts	.281	.283	.233	.261	.243	.299
Cost per hr. mine accts	.281	.283	.233	.261	.243	.299
Total Labor Cost	5262.58	7024.28	3483.67	3741.06	1676.58	1514.58
Cost per hour	.227	.233	.203	.206	.222	.226
Total supply cost	1186.57	1343.06	455.50	501.50	128.64	164.51
Cost per hour	.051	.044	.027	.028	.017	.025
Total Labor & Supply Cost	6449.15	8367.34	3939.17	4242.56	1805.22	1679.09
Profit on work done for various persons & mines other than CIMCO.	541.11	713.17	174.76	191.44	164.72	123.78
Aver. charges per hr to various persons and mines	.415	.409	.320	.344	.346	.351
Profit per hr. vars. persons & mines	.134	.126	.087	.083	.103	.052
<u>SUPPLIES USED AS</u> <u>FOLLOWS.</u>						
General Supplies	185.11	151.13	312.26	336.00	33.60	25.99
Iron and steel	9.89	22.40	16.29	7.95	2.18	1.58
Oil, grease & candles	75.38	97.26	.73	3.89	.90	.70
Machinery Supplies	129.38	32.92	11.86	13.86	4.62	15.19
Building Material	.50		.42	1.68	.88	.37
Fuel	684.51	958.80	95.27	121.39	71.06	110.08
Sundries	101.80	80.55	18.67	16.73	15.40	10.60
Total	1186.57	1343.06	455.50	501.50	128.64	164.51

LAKE MINE. DIVISION OF MINING COST FOR THE YEAR ENDING NOVEMBER 30th 1901.

	AMOUNT		COST	OUTPUT BY GRADES	LAKE BESS	EE BESS	LAKE	TOTAL
GENERAL EXPENSE.	36950	22	079	SOUTH DEPOSIT	169703		17231	186934
MAINTENANCE.	22221	57	047	2 nd LEVEL	6559		192384	198943
MINING EXPENSE				3 rd LEVEL	9941		73015	82956
AIR PIPES	815	21	002	TOTAL	186203		232680	468883
COMPRESSORS	5850	29	018					
HOISTING	7943	69	017					
WIRE ROPE, SKIPS, & PULLEY STANDS	148	07	000					
STEAM PUMPS	10733	05	023					
SINKING. "REPAIRS OF SHAFT"	1880	94	004					
MINING CAPTAIN & BOSSES.	6922	11	015					
DRY HOUSE	962	29	002					
TOP LANDING & TRAMMING.	5926	07	013					
STOCKING & SORTING	2581	85	006					
LAKE AND DRG. PUMPING EXPENSE	9016	88	019					
TOTAL	114652	84	245					
YEAR 1900	106877	85	214	YEAR 1900	184115		312089	497204

	SOUTH DEPOSIT		2 nd LEVEL		3 rd LEVEL		TOTAL 1901		TOTAL 1900						
	AMOUNT	COST	AMOUNT	COST	AMOUNT	COST	AMOUNT	COST	AMOUNT	COST					
DRIFTING	7462	20	040	1355	44	066	9527	23	115	20154	42	064	41112	23	058
BREAKING ORE	74610	66	375	7468	75	401	3162	79	381	185619	20	376	205372	65	413
TRAMMING	16890	10	070	14572	86	073	6028	11	073	37506	07	050	40700	37	052
FILLING				5244	40	027	2024	87	024	7319	27	016	4216	77	009
TIMBERING	21771	47	116	29025	79	146	11610	08	140	22410	89	133	59470	67	120
CAVE IN	2037	06	011	145	73	001	2639	68	022	4825	47	010	5111	61	010
TOTAL	122471	149	655	14197	12	714	63456	71	766	327835	82	699	356256	30	717
YEAR 1901	136922	248	703	200025	89	688	19349	17	685			717			
ADD COST PER TON. ACCOUNTS ABOVE			245			245			245			245			
COST OF PRODUCTION 1901			900			959			1010			944			
COST OF PRODUCTION 1900			917			942			1899			931			931
INCREASE						057						013			
DECREASE			017						884						
							SUMMARY		1901	1900					
							MINING COST		699	717					
							GENL EXP ITEMS		245	214					
							TOTAL		944	931					
							INCR OVER 1900		013						

CLEVELAND IRON MINING COMPANY.

Report of Operating Steam Shovel No. 4, Season of 1901.

	1901	1900
No. of days Shovel worked	131	91
Average No. of hours worked per day	4.70	5.91
Total number of tons loaded	180068	124482
Average tons per day loading	1375	1368
Number of men working with Shovel	10	11
Average tons per man per day	137.5	124.3
Average wages per day for Runners	2.50	2.50
" " " " " Laborers	1.75	1.75
Labor cost per ton Operating	.017	.023
Supply " " " "	.003	.005
Total	.020	.028

	Tons 1901	Tons 1900	1901		1900	
			Amount	Cost	Amount	Cost
Hard Ore		2710			71.29	.026
Lake	118912	92406	2267.46	.020	2713.43	.029
Cliffs Shaft	25931	10725	627.73	.024	282.72	.026
Salisbury	32794	18641	775.99	.024	391.60	.021
Michigamme	2431		49.10	.020		
Total	180068	124482	3720.28	.021	3459.04	.028
<u>OPERATING SHOVEL - LABOR</u>			3104.45	.017	2868.29	.023
SUPPLIES			490.89	.003	573.81	.005
Total			3595.34	.020	3442.10	.028
<u>Repairs to Shovel - LABOR and</u>						
SUPPLIES			124.94	.001	16.94	.000
Total Operating & Repair Cost			3720.28	.021	3459.04	.028

CLEVELAND IRON MINING COMPANY.

Record of Fire Insurance on Dwellings & Mine Buildings
For the Year Ending November 30th, 1901.

	Amount Insurance Carried	Premium Accruing for 1901
<u>HARD ORE MINE</u>		
Dwellings	29000.00	144.96
Mine Buildings	16350.00	300.19
Total	45350.00	445.15
<u>LAKE MINE</u>		
Mine Buildings	16300.00	331.64
<u>HEMATITE MINE</u>		
Dwellings	2700.00	13.44
Total C. I. M. Co.	64350.00	790.23

NOTE:- CLEVELAND IRON MINING COMPANY had no Fire Loss during 1901.

LAKE MINE.

REPORT OF OPERATING AND MAINTENANCE OF ELECTRIC HAULAGE PLANT FOR THE YEAR
ENDING NOVEMBER 30, 1901.

OPERATING.	LABOR	SUPPLIES	TOTAL	COST PER CAR	
				1901	1900
Motor and brakemen	11190.34	337.37	11527.71	.068	.066
Chutemen	12927.86	655.62	13583.48	.080	.079
Oiling and repairing cars	597.17	280.64	877.81	.005	.006
Prop. of Engine House Expense (See Supplementary State.)	1936.91	5266.52	7203.43	.043	.038
Total	26652.28	6540.15	33192.43	.196	.189
Cost per car 1901	.157	.039	.196		
Cost per car 1900	.157	.032	.189		
<u>Divided as follows:</u>					
8288 Cars Filling rock	1322.07	331.32	1653.39	.199	.188
7819 " Tramming "	1236.29	301.02	1537.31	.197	.189
149613 " " ore	23539.63	5771.70	29311.33	.196	.189
3517 " " timber	554.29	136.11	690.40	.196	.189
169237 " Total 1901	26652.28	6540.15	33192.43	.196	.189
172721 " Total 1900	27156.24	5591.56	32747.80		.189
<u>FILLING ROCK 8288 CARS.</u>					
Prop. of Motor Expense	1322.07	331.32	1653.39	.199	.188
Expense of putting away	5548.77	117.11	5665.88	.684	.645
Total	6870.84	448.43	7319.27	.883	.833
Tramming rock 7819 cars	1236.29	301.02	1537.31	.196	.189
<u>TRAMMING ORE 467712 CARS</u>					
				Per	Ton
Prop. Of Motor Expense	23539.63	5771.70	29311.33	.063	.061
Tramming & Skip Tending	3947.63	206.43	4154.06	.009	.007
Total	27487.26	5978.13	33465.39	.072	.068
Tramming 3rd level 1171 tons (Hand) Tramm. So. Deposit 73157 T. Total Tonnage 468883	254.67 3679.14 31421.07	106.87 6085.00	254.67 3786.01 37506.07	.217 .052	.219 .076
<u>TRAMMING TIMBER 3517 Cars</u>					
				Per	Car
Prop. of Motor Expense	554.29	136.11	690.40	.196	.190
Grand Total	40082.49	6970.56	47053.05	.278	.229
<u>MAINTENANCE OF PLANT.</u>					
Electric Engine	15.89	22.27	38.16	.000	.000
Motors	1601.61	1359.62	2961.23	.018	.023
Wiring	229.72	446.19	675.91	.004	.002
Main line tracks and cars	4677.94	2825.21	7503.15	.044	.032
Total Maintenance Cost	6525.16	4653.29	11178.45	.066	.057
Total Operating Cost	26652.28	6540.15	33192.43	.196	.189
Total	33177.44	11193.44	44370.88	.262	.246
Total 3rd Level	525.47	495.96	1021.43	.006	.024
Grand Total	33702.91	11689.40	45392.31	.268	.270
Cost per car exclusive of 3rd L.	.196	.066	.262		
Cost per car for 1900	.188	.058	.246		
Increase for 1901-Exc. of 3rd L.	.008	.008	.016		

CLEVELAND IRON MINING COMPANY.

MICHIGAMME MINE

Statement of Rented Houses, Showing Rent Received, Cost of Repairs, etc.

For the Year Ending November 30th, 1901.

House No.	Present Occupant	Lot No.	Rent Rec'd	Repairs	Insurance	Taxes	Total Expense
1	Joseph Martin		72.00				
2	Wm. M. Joliffe		68.00		6.53		
3	Jos. Roskelly		120.00		8.17		
4	Noll & Rowe		110.00		4.50		
5	Jas. Mathews		18.00		6.12		
6	Walter Fritz		72.00		4.08		
7	Mat Seekula		80.00		3.27		
8	Ed Treloar		55.00		3.27		
9	Gust Husista		70.00		2.45	1.75	
12	John Jenkins		33.00		2.94		
16	Larson & Pesonitte		60.00		2.45	2.45	
17	Ato Aho		50.00		3.27	2.45	
18	John Fors		30.00		1.84	2.50	
19	Aho & Lind		30.00		1.84	1.00	
22	Kjellan & Bloomquist		86.00		2.04		
24	Richard Leverton		77.00		2.04	4.07	
29	Lester & Lemay		39.00		1.47	1.75	
41	Fugel & Kingstrand		99.00		3.27	2.17	
42	Knutilla & Laramour		33.00		2.45	2.17	
43	Thos, Laramour		30.00		2.04	2.17	
44	Laramour & Gustafson		55.00		3.27	2.03	
45	Harrington & Karpuiski		40.00		3.27	2.04	
46	Dr. H. H. Loveland		120.00		8.17	13.02	
	Miscellaneous - Pasturage		5.00				
	Total		1452.00	72.20	78.75	39.57	190.52
	Total - 1900		1048.00	25.14	78.75	50.38	154.27

Net Earnings	1901	1261.48	1900	893.73
Per Cent Earnings on Insurance Valuation		12.26%		8.7%
Insurance Valuation		10290.00		10290.00

NOTE:-

Net Earnings - 1900	893.73
Net Earnings - 1901	<u>1261.48</u>
TOTAL EARNINGS	2155.21
Cost to Repair Houses at time Mine was opened.	<u>3387.71</u>
LOSS ON HOUSES TODATE	1232.50

CLEVELAND IRON MINING COMPANY

WEBSTER MINE

Statement of Rented Houses, Showing Rent Received, Cost of Repairs, etc.

For the Year Ending November 30th, 1901.

House No.	Present Occupant	Lot No.	Rent Rec'd	Repairs	Insurance	Taxes	Total Expense
1	J. P. Vingoe		35.00		2.70		
2	Alex. Michaelson		4.00		4.70		
2	Ed Hendrickson		3.00				
3	Dan'l Spencer		3.00		8.00		
3	Ed Dishson		9.00				
4					2.73		
	Total		54.00		18.13		18.13
Net Earnings				1901 35.87	1900 174.87		
Per Cent Earnings on Insurance Valuation				1.33%	6.5%		
Insurance Valuation				2700.00	2700.00		
NOTE:-							
Net Earnings - 1900				174.87			
Net Earnings - 1901				<u>35.87</u>			
TOTAL EARNINGS				210.74			
Cost to Repair Houses at time Mine was opened.				<u>1094.62</u>			
LOSS ON HOUSES TODATE				883.88			

CLEVELAND IRON MINING COMPANY.

IMPERIAL MINE

Statement of Rented Houses, Showing Rent Received, Cost of Repairs, etc.

For the Year Ending November 30th, 1901.

House No.	Present Occupant	Lot No.	Rent Rec'd	Repairs	Insurance	Taxes	Total Expense
	Geo. Bailey		24.00		.75		
	John Pate		3.00		.75		
Log House					1.33		
	Total		27.00	.10	2.83		2.93

	1901	1900
Net Earnings	24.07	72.06
Per Cent Earnings on Insurance Valuation	3%	9.4%
Insurance Valuation	800.00	800.00

NOTE:-

Net Earnings - 1900	72.06
Net " - 1901	<u>24.07</u>
Total	96.13

CLEVELAND IRON MINING COMPANY.

SALISBURY MINE

Statement of Rented House, Showing Rent Received, Cost of Repairs, etc.

For the Year Ending November 30th, 1901.

House No.	Present Occupant	Rent Rec'd	Repairs	Insurance	Taxes	Total Expense
1	Thos. Buzzo	132.00	2.32	10.25	.	12.57
2	W. M. Sterling	96.00	5.52	5.00		10.52
3	W. H. Quayle	88.00	8.17	4.00		12.17
4	W. C. Quayle	24.00	.65	.25		.90
5	Coellen & Christian	90.00	1.70	5.00		6.70
6	Phil. Christian	72.00	2.73	3.00		5.73
7	Francis Corlett	36.00	17.70	.75		18.45
9	Daniel Radcliff	30.50		.50		.50
14	James Graham	42.00	.40	.37		.77
15	Wm. Gauthier	33.00	2.94	.37		3.31
16	Mrs. A. Williams	42.00	8.09	2.00		10.09
17	George Kermod	72.00	1.26	1.50		2.76
18	Anderson & Connibear	45.00	3.26	1.00		4.26
19	Chris Hauson	42.00	3.16	1.00		4.16
20	John Larson	36.00	5.20	1.00		6.20
22	Walter Vicary	96.00	3.41	5.00		8.41
23	Barbon & Stephens	94.25	3.27	5.00		8.27
24	Wm. Pemberthy	96.00	8.58	5.00		13.58
25	Creer & Palmer	99.50	.90	5.00		5.90
26	Cain & Clogue	96.00	1.89	5.00		6.89
27	O. B. Wills	96.00	1.68	5.00		6.68
28	John Lawrence	60.00	.96	2.50		3.46
29	Art Fargher	60.00	.63	2.50		3.13
30	Wm. Cowley	60.00	.63	2.50		3.13
31	Robt. Corkin	60.00	.96	2.50		3.46
32	Thos. Perkins	60.00	.84	2.50		3.34
33	George Garrett	52.50	1.71	2.50		4.21
Office	Garrett & Kenwood	96.00	6.12	2.50		8.62
	Total	1906.75	94.68	83.49		178.17
	Total - 1900	1722.10	400.75	83.51		484.26

Net Earnings	1901 1728.58	1900 1297.84
Per Cent of Earnings on Ins. Valuation	10.35%	7.7%
Insurance Valuation	16700.00	16700.00

NOTE:-

Salisbury Houses had a general overhauling in 1899, so that Repair Expense is small for 1901.

Repair Expense in 1899,- 1809.47

CLEVELAND IRON MINING COMPANY.

HEMATITE MINE

Statement of Rented Houses, Showing Rent Received, Cost of Repairs, etc.

For the Year Ending November 30th, 1901.

House No.	Present Occupant	Rent Rec'd	Repairs	Insurance	Taxes	Total Expense
1	Gyrill Tourville	48.00		5.00		
2	James Pasco	40.00		2.50		
3	John Curt	43.50		2.50		
7	Alf Wilder	22.00		1.75		
8	John Morcome	21.00		1.75		
	Total	174.50	90.17	13.50		103.67

Net Earnings for Year	1901 70.83	1900 101.19
Per Cent Earnings on Insurance Valuation	2.60%	3.75%
Insurance Valuation	2700.00	2700.00

NOTE:-

No detail record kept with Repairs of Rented Houses.

CLEVELAND IRON MINING COMPANY

HARD ORE MINE

Statement of Rented Houses, Showing Rent Received, Cost of Repairs, etc.

For the Year Ending November 30th, 1901.

House No.	Present Occupant	Lot No.	Rent Rec'd	Repairs	Insurance	Taxes	Total Expense
1	Louis Bissonette	1	60.00	13.54	2.50		16.04
2	John Seaborg	2	48.00	26.09	1.25		27.34
3	Matt Aho	13	47.00	2.71	2.50		5.21
3	Mrs. Isaacson	13					
4	Chas. P. Sjolander	14	63.00	37.08	2.00		39.08
5	Fred S Saunders	16	82.00		2.50		2.50
6	Andrew Frandrew	17	67.00	46.45	2.00		48.45
8	Andrew Wallenstein	19	48.00	1.14	2.50		3.64
8	Mrs. Olson	19					
9	Phil Pepin	23	84.00	5.42	4.00		9.42
11	Jno. F. Van Brocklin	25	50.00	57.55	2.00		59.55
14	Thos. D. Weane	28	60.00	31.61	2.00		33.61
15	Henry Lirette	29	60.00	52.44	2.00		54.44
16	Claus Johnson	30	60.00	1.00	1.50		2.50
17	Jas. Trewick	31	48.00	1.00	1.75		2.75
18	John Hennessey	32	60.00	9.25	1.25		10.50
19	Isaac Moss	33	60.00	.88	1.25		2.13
21	Will E. McKee	49	120.00	59.19	7.50		66.69
24	Fred Vogther	56	60.00	22.23	2.00		24.23
25	Henry Oshier	57	60.00	6.92	2.00		8.92
26	John Lemin, Sr.	58	60.00	17.39	7.50		24.89
26	John Lemin, Jr.	58	36.00				
26	M. E. Wadsworth	58	32.00				
27	Jacob Christianson	59	60.00	.55	2.00		2.55
28	A. P. Peterson	60	60.00	6.64	2.00		8.64
29	Mrs. Jas. Nichols	61		13.35	2.00		15.35
30	Abe Cox	62	60.00		2.00		2.00
31	Alfred Callick	63	96.00	62.48	4.00		66.48
32	Mike Ready	64	80.50	64.56	3.00		67.56
33	George Brederson	69	57.75	20.58	2.00		22.58
34	Alf Bone	70	60.00	3.38	2.00		5.38
35	John Gill	71	60.00	27.94	2.00		29.94
36	Manni Eskela	72	42.00		2.00		2.00
36	Israel Pykkonen	72	48.00				
37	F. J. Baker	79	96.00	63.17	9.00	26.29	98.46
38	Mrs. H. Martin	80	96.00	68.30	7.50	23.62	99.42
Repairs on houses, Fixing windows, Doors, etc., which could not be divided.				74.20			74.20
Total			2081.25	797.04	89.50	49.91	936.45
Agents Residence			210.00				
Ledger Balance			2291.25				
Total - 1900			2361.25	1117.57	89.50	22.61	1229.68
Net Earnings for Year				1901	1144.80	1900	951.07
Per Cent Earnings on Insurance Valuation				6.4%		5.3%	
Insurance Valuation				17900.00		17900.00	

CLEVELAND IRON MINING COMPANY

LAKE MINE

RECORD OF DELAYS FROM VARIOUS CAUSES, YEAR ENDING NOV.30TH,1901

	Hours Delay	Tons Lost	Percent of Time Lost	
			1901	1900
Fatal Accidents	192	14200	.291	.222
Skips, Skip Roads & Bell Lines	41	1500	.062	.056
Hoisting Machinery				.041
Motors & Cars & Tracks & Cars	44	3000	.067	.132
Shafts & Shaft House Repairs				
Top Tram Engines & Cars	33	2000	.050	.022
Caves		5000		
Rain & Snow				.011
Miscellaneous	14	500	.021	.017
TOTAL	324	26200	.491	.501
Holidays	336	22232	.509	.499
TOTAL INCLUDING HOLIDAYS	660	48432	1.000	1.000
No. Days 24 Hrs. Pr. Day	27 1/2			
Actual Product for Year	468883			
Average Product Br. Day For Yr	1584			
No Full Days Worked For Year	285 1/2			
Number Days Idle	27 1/2			
Lost Product (Exc. Holidays)	26200			

FIXED CHARGES Accounts Not Effected When Mines Are Idle	Tons	Cost	Amount
General Expense (Except Analysis & (Relief Fund)		.066	31251 76
Maintenance		.047	22221 87
Air Pipes		.002	815 21
Pumping		.023	10733 35
Lake Angeline Pumping Expense		.019	9016 88
Mining Captain		.005	2500 00
Cave In		.010	4825 47
Exploring		.004	1947 43
Depreciation		.064	30396 06
TOTAL		.240	113708 03
Total Cost on Stock Pile For Yr. (Actual)		1.012	474832 15
Less Fixed Charges, Cost Pr. Ton		.240	
Cost of Lost Product	26200	.772	20226 40
Possible Product & Cost	495083	.998	495058 55
Loss or the Difference Between Actual & Possible Cost & the Amt.	495083	.014	691 16
Ditto 1900	510504	.005	2552 52

CLEVELAND IRON MINING COMPANY

HARD ORE MINE
RECORD OF DELAYS FROM VARIOUS CAUSES, YEAR ENDING NOV.30TH,1901

	Hours Delay	Tons Lost	Percent of Time Lost	
			1901	1900
Fatal Accidents	60	920	.177	.118
Skips, Skip Roads & Bell Lines	6	100	.018	.051
Hoisting Machinery				.002
No R. R. Cars				.028
Top Tram Engines & Cars	3	50	.009	.014
Rain & Snow				
Miscellaneous				.014
TOTAL	69	1070	.204	.213
Holidays	270	3430	.796	.787
TOTAL INCLUDING HOLIDAYS	339	4500	1.000	1.000
No. Days 20 Hrs Pr. Day	17			
Actual Product For Year	76085			
Average Product Pr. Day For Yr.	255			
No. Full Days Worked for Yr.	296			
No. Days Idle	17			
Lost Product (Exc. Holidays)	1070			

FIXED CHARGES Accounts Not Effectuated When Mines Are Idle	Tons	Cost	
		Amount	
General Expense (Except Analysis (& Relief Fund		.107	8160 70
Maintenance		.078	5935 82
Air Pipes		.005	353 53
Pumping		.067	5115 64
Mining Captain		.020	1500 00
Depreciation		.038	2909 98
TOTAL		.315	23975 67
Total Cost on Stock Pile For Yr. (Actual	76085	1.331	101329 94
Less Fixed Chgs. Cost Pr. Ton		.315	
Cost of Lost Product	1070	1.016	1087 12
Possible Product & Cost	77155	1.328	102417 06
Loss or the Difference Between Actual & Possible Cost & The Amt.	77155	.003	231 47

Statement of SCOTCH ore for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
In stock at mine Dec. 1, 1900	3147	
Produced during year	<u>76085</u>	
Total		<u>79232</u>
In stock at Mine November 30, 1901.		<u>79232</u>

Statement of MICHIGAMME ore for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
In stock at mine Dec. 1, 1900	748	
Produced during year	34867	
Balance in C. & N. W. Dock Dec. 1, 1900	<u>198</u>	
Total		<u>35813</u>
Shipped		
Cleveland		24483
In stock at mine Nov. 30, 1901	11078	
Balance in C. & N. W. Dock Nov. 30, 1901	<u>252</u>	
Total		<u>11330</u>
		<u>35813</u>

Statement of LAKE ore for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
In stock at mine Dec. 1, 1900	40319	
Produced during year	282680	
Other ores transferred to Lake		
Salisbury - See Weekly Mine Report	<u>3129</u>	
Total		<u>326128</u>

Shipped

Pioneer Furnace	40270	
Carp Furnace	7023	
Antrim Iron Co.	<u>31843</u>	
Elk Rapids Iron Co.	18337	
Toledo	66947	
Cleveland	6800	
Ashtabula	16163	
Buffalo	17647	
Deseronto Iron Co.	<u>1553</u>	
Total		206583

In stock at mine Nov. 30, 1901		<u>119545</u>
Total		<u>326128</u>

Statement of SALISBURY #3 for year ending Nov. 30, 1901

	<u>Tons</u>
In stock at mine Dec. 1, 1900	<u>5538</u>
Shipped	
Antrim Iron Company	5227
Shortage on stockpile	<u>311</u>
Total	5538

Statement of SALISBURY ore for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
In stock at mine Dec. 1, 1900	4234	
Produced during year	<u>96196</u>	
Total Salisbury		100430
Other ores transferred to Salisbury		
Buffalo	64645	
Cameo	10335	
Bedford	<u>34520</u>	
Total other ores		<u>109500</u>
Total		<u>209930</u>
Shipped		
Pioneer Furnace	14744	
Carp Furnace	6965	
Antrim Iron Co.	21325	
Spring Lake Iron Co.	<u>10022</u>	
Cleveland	14597	
Ashtabula	39109	
Erie	6379	
Buffalo	26077	
Tonawanda	<u>45679</u>	
Total shipped		184897
Salisbury transferred to other ores		
Lake Ore. - See Weekly Mine Report -		3129
In stock at mine Nov. 30, 1901		<u>21904</u>
Total		<u>209930</u>

Statement of LAKE BESSEMER ore for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
In stock at mine Dec. 1, 1900	19400	
Produced during year	<u>187400</u>	
Total Lake Bessemer		206800
Other ores transferred to Lake Bess.		
Salisbury Bessemer	98672	
Note,- Salis. Bess. was all shipped from docks as Lake Bessemer		
Alford	<u>32201</u>	
Total other ores		<u>130873</u>
Total		<u>337673</u>
Shipped		
Pioneer Furnace	3028	
Toledo	9655	
Huron	4022	
Lorain	25875	
Cleveland	58073	
Fairport	21869	
Ashtabula	<u>211680</u>	
Total		334202
In stock at mine Nov. 30, 1901		<u>3471</u>
Total shipped		<u>337673</u>

CLEVELAND IRON MINING COMPANY

Statement of Charges to "Hard Ore Location" Account for year
ending November 30th, 1901.

GENERAL EXPENSE	LABOR	SUPPLIES	TOTAL
Fire Insurance		144.96	144.96
Taxes		4924.08	4924.08
MISCELLANEOUS			
Surface "Cleaning"	159.91	133.39	293.30
Shop Buildings	165.39	99.41	264.80
Shop Machinery (see detail)	211.85	1399.00	1610.85
Stables	2.62	.01	2.63
Total	539.77	6700.85	7240.62

DETAIL OF SHOP MACHINERY EXPENSE

1- Wells Universal Grinder - complete with Graduation on Base & Sides	258.34
1- No. 1 1/2 Universal Milling Machine	544.93
1- 2 1/2" Combination Radial Drill with Worm Swivelling Table and arranged to Round Table	450.00
Miscellaneous Shop Tools, Belting, Setting up Machinery, etc.	357.58
Total	1610.85

CLEVELAND IRON MINING COMPANY

Analysis of Improvement and New Construction,
November 30th, 1901.

<u>HARD ORE MINE</u>	Inventory Nov.30'00	Expend'r for year	Total	Deprec'n for year	Invent. Nov.30' 01
<u>IMPROVEMENT</u>					
Moro Tracks		249.25	249.25	249.25	
<u>LAKE MINE</u>					
<u>Improvement</u>					
Dock and Trestle		4249.06	4249.06	4249.06	
Tram Plant		3630.69	3630.69	3630.69	
Shop building & equipment		418.10	418.10	418.10	
Total		8297.85	8297.85	8297.85	
<u>New Construction</u>					
Track System	1677.70		1677.70	1677.70	
Electric Power Machinery	3519.76		3519.76	2858.39	661.37
Right of Way Lake Tracks	72.46		72.46	72.46	
Main Line Cars		4125.80	4125.80	4125.80	
Stocking Ore at Presque Isle		15178.16	15178.16		15178.16
Total	5269.92	19303.96	24573.88	8734.35	15839.53
Lake Mine New #4 Shaft		5320.41	5320.41	5320.41	
<u>Lake Angeline Drainage</u>					
Pumping Plant East End	332.54		332.54	332.54	
New Launderers	273.00	7971.66	8244.66	5450.94	2793.72
Pumping Expenses Current 12 mos.		5164.47	5164.47	3518.00	
Pumping Expense Current 12 mos. L.S.I. Co.				1646.47	
Opt. & Maint. Emergency		(4308.31)			
Pumping Plant #2 L.S.I.Co.		(1190.57)	5498.88	5498.88	
Total	605.54	18635.01	19240.55	16446.83	2793.72
(Lake Mine) Total	5875.46	51557.23	57432.69	38799.44	18633.25
<u>New Steam Shovel No. 4</u>	4728.91		4728.91	2364.45	2364.46
Hard Ore Mine Dep.	357.51				
Lake Mine "	2006.94				
	2364.45				
New Houses 2nd Addition		20330.35	20330.35		20330.35
Total	10604.37	72136.83	82741.20	41413.14	41328.06
Total to Lake Mine				36502.69	
" " Moro "				606.76	
" charged L.S.I. Co. acct. L. A. Dr.				4303.69	
				<u>41413.14</u>	

THE CLEVELAND IRON MINING COMPANY.

Summary of Depreciation Lake Mine.

Improvement Account			8297.85
New Construction			8734.35
No. 4 Shaft			5320.41
<u>Lake Angeline Drainage</u>			
Acct. Pumping Plant East End		332.54	
New Launder		2793.72	
Current Pumping Expense)			
" " from L.S.I. Co.)		3518.00	
Pumping Expense 1898 to 1900		5498.88	
Total Account Lake Mine			12143.14
<u>Charged L.S.I. Co.</u>			
Current Pumping Expense	1646.47		
New Launder	2657.22	4303.69	
Total Lake Angeline Drainage Accts.		16446.83	
Proportion Steam Shovel			2006.94
Total Lake as per statement			36502.69
Depreciation of Inventory			<u>2955.48</u>
Grand Total			39458.17
Divided as follows,-			
Dep. as per Cash Sheet	30396.06		
Mining Expense - L.A. Dr.	9016.83		
Cr. by unclaimed Wages	<u>45.23</u>		
	39458.17		

CLEVELAND IRON MINING COMPANY

Laboratory Statement for the Year Ending November 30th, 1901.

Cost for Labor and Supplies: Number & Cost per Determination.

	Labor	Supplies	Total	No.Dets.	Cost per Det.
December 1900	231.00	71.19	302.19	2593	.111
January 1901	234.00	129.30	363.30	2740	.125
February "	231.00	24.56	255.56	2513	.095
March "	234.00	78.79	312.97	2754	.1128
April "	231.00	144.48	375.48	2936	.1278
May "	234.00	83.82	317.82	2988	.1064
June "	231.00	84.43	315.43	2734	.1147
July "	231.00	90.60	321.60	2641	.1218
August "	235.50	13.37	248.87	3323	.075
September "	232.95	193.34	426.29	2949	.1445
October "	239.55	54.34	293.89	3598	.082
November "	236.25	69.83	306.08	3373	.0907
Total	2801.25	1038.23	3839.48	35142	.1092
Total Previous Year	2747.70	1202.74	3950.44	32442	.1218

The Work Done for Various Mines and Cost for Determination is as follows:

	No Dets	Avg Cost per Det.	Amount
Hard Ore	1731	.108	187.03
Lake	14540	.1074	1561.59
Michigamme	2266	.1119	253.67
Maas	1464	.1116	163.50
Cliffs Shaft	3623	.1039	376.41
Salisbury	10938	.1079	1180.73
Pioneer Iron Co.	333	.25	83.25
Tilden Exploration	4	.111	.45
Tilden Mine	42	.1169	4.91
Foster Mine	59	.0989	5.84
Exploration Sec. 11	8	.1187	.95
Special Expense	74	.0948	7.02
Abbotsford	20	.089	1.78
Bedford	8	.0875	.70
Marquette City Water Works	8	1.00	8.00
F. Braastad & Co.	2	1.00	2.00
Ashland Mine	22	.075	1.65
Total	35142	.1092	3839.48
Total 1900	32442	.1218	3950.44

CLEVELAND IRON MINING COMPANY.

Detail of Accounts Payable, November 30th, 1901.

Representative Accounts Payable:

Hard Ore Benefit	3536.05
" " Suspense	3536.05
Lake Benefit	4307.26
" Suspense	4307.26
Hematite Benefit	895.77
" Suspense	885.97
Hard Ore Brass Checks	160.50
Lake " "	<u>632.75</u>

Total Representative Accts. Payable 18261.61

Accrued Taxes Unpaid	27190.81
Pay Rolls	34776.59
Bills Audited:--	2329.61

Derro & Company	21.00
C. & N. W. Ry. Co.	9.03
Negaunee Land Department	256.36
The Jeffrey Mfg. Co.	16.33
C. & N. W. Ry. Co.	31.51
American Express Co.	12.75
Western Express Co.	3.60
Postal Telegraph Cable Co.	12.28
Western Union Telegraph Co.	26.64
Garfield Club	23.44
Prize Awards	111.00
Benefit & Suspense	99.66
Michigan Telephone Co.	23.06
Wm. T. Cole	7.80
A. W. Myers & Co.	9.46
J. A. Hodgkins	39.50
J. Sellwood & Co.	5.15
George A. Newett	11.10
Fred P. Tillson	7.55
Mrs. Celia Northey	5.30
F. Braastad & Co.	11.61
Henry Harwood	4.50
H. F. Heyn	22.96
August Jacob	3.45
Patrick Lyons	14.25
Ered J. Eggan	1.15
Marquette Co. Telephone Co.	2.00
J. C. Altschwager	25.25
Western Wheeled Scraper Co.	1.10
Ishpeming Steam Laundry	2.71
Trembath Brothers	17.46
F. B. Spear & Sons	25.00
Chas. A. Eggars	31.00
George E. French	12.00
Quaker City Rubber Co.	11.63
Sullivan Machinery Co.	6.00
Machinists Supply Co.	12.60
Central Electric Co.	46.65
Richards & Co., Ltd.	47.57
Smith Premier Typewriter Co.	2.50
The Falk Company	12.00
C. & N. W. Ry. Co.	96.71
Varicus Persons	43.80

Brot Forward

64297.01

18261.61

Brot Forward

64297.01

18261.61

Bills Audited(Cont'd)

M. M. Duncan, Agent	161.24
M. M. Duncan, Agent	42.25
The Ideal Plumbing Co.	52.70
John Carlson	5.00
A. B. Miner, Cashier	33.00
Felch & Vandeventer	694.00
Ish. City Water Works	48.00
Negaunee Land Dept.	53.50
Iron Cliffs Co.	54.50

Lake Superior Iron Company 1190.57

Est. of S. Lappela 419.50

Est. of John Roberts 417.94

Ishpeming Mining Co. .60

Total Accounts Payable

66325.62

GRAND TOTAL

84587.23

CLEVELAND IRON MINING COMPANY.

Detail of Accounts Receivable, November 30th, 1901.

Louis Backus	.85
Paymaster's Account	15.90
Cleveland-Cliffs Iron Co.	1014.59
Revenue Tax Collector	15.39
Iron Cliffs Company	2236.05
Lake Superior & Ish. Ry. Co.	141.63
J. H. Quinn	30.00
D. J. Ryan	23.00
C. L. Anderson	1.43
Superior Posten	100.00
Iron Cliffs Co.--Negaunee-	1.00
Pitts. & Lake Ang. Iron Co.	4.06
Rev. C. D. Atwell	152.21
Lindberg & Hall	7.70
And. Lindberg	13.83
James Pickands & Co.	.20
Dalton Packing Co.	28.71
John Treado	1.25
August Bean	92.29
Standard Oil Company	23.19
Men. & Bay Shore Lbr. Co.	.60
Lindberg Brothers	1.90
A. Hassenberg	1.25
F. W. Read & Company	6.98
Ideal Plumbing Co.	1.48
Munising Railway Co.	4.60
Back Pot Mine	.87
Lake Superior Iron Co.	1560.41
Various Persons "Coal"	462.66
Ishpeming City	<u>2.40</u>

Total Accounts Receivable 5951.23

Unearned Premiums Boiler Insurance	5.50
Unearned Premiums Fire Insurance	<u>21.11</u>

Total Rep. Accounts Receivable 26.61

GRAND TOTAL 5977.84