

Lake Mine.

MACHINERY SUPPLIES (CONTINUED).

	Amount For'd	261.82	4774.76
60# Packing, Empire	.28	16.80	
40# packing, Sq. Rubber	.45	18.00	
3# Packing, Flax	.50	1.50	
21# Packing, Sheet Rubber	.15	3.15	
7# Packing, Rainbow	.50	3.50	
4 1/8# Packing, Rubber Back Flax		4.13	
8# Packing, Hemp	.15	1.20	
25# Valves, Rubber #3-6-8 & 10	.75	18.75	
24# Valves, C. & J. Composition	.90	21.60	
10# Valves, Brandon(Deane)	1.00	10.00	
1137" Pipe, 1"	5.50	6.25	
121" Tees		.30	
2909# Sheaves(New Top Tram Plant)	.03	87.27	
3 Sheaves " " " "		210.00	664.27
	Total Machinery	664.27	
	Amount For'd		5439.03

Lake Mine.

5439.03

Amount For'd  
B U I L D I N G M A T E R I A L .

500' - 1" Common	.17	8.50
14500' - 2" Common	.13	188.50
14196' - 3" Hemlock	11.50	163.25
1692' - 3" Common	15.25	25.80
456' - 3 X 12-12-14-16-18	16.50	7.52
5376' - 3 X 6-8-10	15.25	81.98
21410' - 2" Maple	16.00	342.56
1647' - 1 1/4" Maple	16.00	26.35
160' - 4 X 10-16	33.50	5.36
247' - 6 X 8-16	33.50	8.27
252' - 7 X 9-16	33.50	8.44
1584' - 12 X 12-12	19.50	30.89
288' - 6 X 12-16	19.50	5.62
72' - 6 X 12 - 12	19.50	1.40
376' - 4 X 12 - 18	19.50	7.33
10 - 10" X 33' Norway Logs 330'	.10	33.00
2 - 10" X 39' " " 78'	.10	7.80
15 - 10" X 38' " " 570'	.10	57.00
21 - 10" X 37' " " 777'	.10	77.70
21 - 10" X 36' " " 756'	.10	75.60
20 - 10' X 35" " " 700'	.10	70.00
15 - 10" X 34' " " 510'	.10	51.00
40 - 10" X 12 - 16 " "6400'	17.50	112.00
36 - 12" X 14 - 24 " 12096'	21.50	260.06
112 - 12" X 14 - 26 " 40768'	23.75	968.24
17616' - 3 X 8 - 12 & 16	15.25	268.64
12 - 10 X 14 - 16 " 2240'	17.50	39.20
14 - 3 X 10 - 14 " 490'	17.00	8.33
220 - Lineal Ft. 6 X 6 Maple 660'	25.00	16.50
		2956.84
Total		8395.87

BUILDING MATERIAL.

21 - 2 X 8 - 12	336'
13 - 2 X 8 - 14	243'
11 - 2 X 8 - 16	234'
38 - 2 X 6 - 12	456'
7 - 4 X 12 - 12	336'
12 - 4 X 12 - 14	672'
12 - 4 X 12 - 16	768'
61 - 4 X 12 - 18	4392'
1 - 4 X 12 - 24	96'
12 - 6 X 6 - 14	504'
2 - 6 X 8 - 26	208'
3 - 6 X 10 - 16	240'
2 - 8 X 8 - 18	192'
4 - 8 X 10 - 8	213'
2 - 8 X 10 - 12	160'
2 - 8 X 8 - 18	192'
1 - 10X 10 - 12	100'
9 - 10X 10 - 14	1050'
2 - 10X 10 - 15	250'
2 - 10 X10 - 16	267'
10 - 10 X 10 - 17	1417'
1 - 10 X 10 - 20	167'
1 - 10 X 10 - 22	183'
3 - 10 X 10 - 28	700'
1 - 10 X 10 - 33	275'
3 - 10 X 10 - 35	875'
15 - 12 X 12 - 8	1440'
6 - 12 X 12 - 10	720'
7 - 12 X 12 - 12	1008'
14 - 12 X 12 - 14	2352'
4 - 12 X 12 - 16	768'

MACHINERY SUPPLIES (CONTINUED).

	Amount For'd	1974.88
1 Duplex Knowles Valve		4.35
4 Duplex Knowles Valve Seats	2.00	8.00
6 Compressor Springs	.20	1.20
1# Putz. Pomade		.40
5# Hoffman'S Metal Polish	.20	1.00
1 Wells Bros. Universal Grinder		
Complete with Graduations on Base & Slide		258.34
1 #1½ Universal Milling Machine		544.93
723# C. & R. Shafting	.03½	25.30
1 72" Sheave		25.00
1 84" "		35.00
2 144" "	75.00	150.00
4 12" "	2.00	8.00
4 12" X 5/8" W.G. Glasses	.75 Doz.	.25
8 10½" X 3/4" " "	.90	.25
7 11" X 3/4" " "	.90	.53
7 11" X 3/4" " "	.85	.21
3 14" X 5/8" " "	1.05	1.31
6 16" X 3/4" " "	1.20	.60
15 15" X 3/4" " "	1.10	1.01
2 3" X 3/4" " "	.08 Each	.16
2 4½" X 5/8" " "	.08	.16
53 16" Manganese steel Skip Wheels	7.65	405.45
14 16" Double Manganese Skip Wheels	9.98	139.72
26 18" Double Manganese Steel Skip Wheels	8.20	213.20
33 Steel Skip Wheel Bushings	.45	14.85
3 16" Car Wheels 450#	2.40	10.80
4 Doz. Sets Rollers & Rope Guides	8.52	34.08
1 Set Castings for Cornish Pump		
Balance Gland Stuffing, Box		
Barrel & Plunger		161.99
		574.64
	Total	574.64

Total Amount For'd Supplies

4021.32

Hard Ore Mine.

MACHINERY SUPPLIES (CONTINUED).

	Amount For'd		4021.32
		Rand Drill Supplies.	
		#3 $\frac{1}{4}$ Drill.	
42 Cylinder Bolts	.30	12.60	
25 Chucks	.60	15.00	
1020# Cylinder Castings 3 & 3 $\frac{1}{4}$	2.40	24.48	
2 Feed Nuts	3.00	6.00	
4 Jam Nuts	.25	1.00	
12 Rotating Nuts	1.10	13.20	
5 Rockers	2.75	13.75	
8 Sets Piston Springs	.20	1.60	
14 Feed Screws	2.50	35.00	
21 Standards	1.25	26.25	
8 Feed Screw Washers	.20	1.60	
19 Wrenches, Chuck	1.00	19.00	
5 Pawl Studs	.35	1.75	
9# 3 $\frac{1}{2}$ Buffers	.65	5.85	
2# 3 $\frac{1}{4}$ Iron Leg Castings	2.60	5.20	
2 3 $\frac{1}{4}$ Leg Flanges	2.40	4.80	
5 Hook Bolts	2.00	10.00	
56 1" Set Screws	.24	13.44	
43 Prs. Pawls, bare	.25	10.75	
7 Rough Pistons	3.00	21.00	
20 Rough Chucks	2.15	43.00	
21 Leather Packings	.40	8.40	
3 3 $\frac{1}{4}$ Ratchet Box	5.00	15.00	
3 Upper Heads	2.00	6.00	
4 Rotating Nuts	1.10	4.40	
4 Lower Heads	6.00	24.00	
4 C. & P. Rods	12.00	48.00	
2 Pistons	12.00	24.00	415.07
	Total	415.07	

Amount For'd

4436.39

Hard Ore Mine.

MACHINERY SUPPLIES (CONTINUED).

	Amount For'd		4436.39
2 C. & P. Rods $\frac{1}{2}$ Finished	6.00	12.00	
24 Rough Feed Screws	.80	19.20	
3 # $3\frac{1}{4}$ Cylinder $\frac{1}{2}$ Finished	6.00	18.00	
12 # $3\frac{1}{2}$ Cross Heads	1.00	12.00	
8 # $3\frac{1}{4}$ Slide Valves	1.00	8.00	
12 Rough Ratchet Wheels	.80	9.60	
7 Sleeves	.80	5.60	
4 Rotating Bars	5.60	22.40	
2 Drill Cylinders	12.00	24.00	
2 Valve Seats	2.00	4.00	
2 Air Chests	3.00	6.00	
2 Shells	10.00	20.00	
2 Ch. Keys	.35	.70	
#3 Rand Drill.			
1500# Steel Castings	.10	150.00	
2 Ratchet Boxes	4.75	9.50	
5 Rotating Boxes	5.00	25.00	
6 Stuffing Boxes	1.50	9.00	
54 Swivill Bolts	.50	27.00	
65 Center Bolts	.50	32.50	
1 Center Clamp	1.25	1.25	
13 Rear Leg Castings	1.25	16.25	
2 Upper Heads	1.75	3.50	
6 Lower Heads	3.00	18.00	
55 Cross Heads	.75	41.25	
12 Extension Legs	.75	9.00	
20 Pipe Legs	1.00	20.00	
2 Feed Nuts	3.00	6.00	
2 Rotating Nuts	1.10	2.20	
10 Prs. Pawls	2.25	22.50	554.45
Total		554.45	

Amount For'd

4990.84

MACHINERY SUPPLIES (CONTINUED).

	Amount For'd		4990.84
12 Rockers	2.75	33.00	
3 $\frac{1}{4}$ Sets Cylinder Rings	2.56	8.32	
1 Piston	12.00	12.00	
5 Ratchets	3.00	15.00	
52 Sleeves	.60	31.20	
17 Valve Seats	2.75	46.75	
4 Valve Seats Repaired	.60	2.40	
343 Sets Screws	.06	20.58	
57 Slide Valves	1.00	57.00	
36 Slide Valves, Repaired	.30	10.80	
17 Pawl Stud Washers	.05	.85	
27 Tripod Sides	1.25	33.75	
1 Bushel Chuck		3.00	
45 Buffer Yokes	.40	18.00	
3 Rocker Pins	.40	1.20	
9 #3 Buffers	.40	3.60	
1 Shell		9.20	
6 Shell Slides	1.00	6.00	
1 Cylinder		12.00	
3 Cylinders, Half Finished	5.00	15.00	
16 Right & Left Side Leg Castings	1.25	20.00	
3 Jack Screw Steps	.80	2.40	
1 Clamp (New Style)		5.00	
25 Rough Chucks #3	2.10	52.50	
6 Ratchets	4.80	28.80	448.35
	Total	448.35	

Amount For'd

5439.19

Hard Ore Mine.

MACHINERY SUPPLIES (CONTINUED).

	Amount For'd		5439.19
	#2 Rand Drill.		
2 Front Leg Castings	2.40	4.80	
3 $\frac{1}{4}$ Prs $\frac{1}{4}$ Piston Packing Rings	2.00	6.50	
2 Pistons	12.00	24.00	
6 Rockers	4.40	26.40	
7 Rotating Nuts	2.20	15.40	
6 Feed Screws	3.00	18.00	
5 Chucks	7.60	38.00	
3 Feed Screw Handles	.75	2.25	
6 #2 Feed Nuts	4.00	24.00	
2 R. & D. Leg Flanges	2.20	4.40	163.75
	Total	163.75	

Total Machinery Supplies

5602.94



Hard Ore Mine.

BUILDING MATERIAL.

2 - 18 X 18 Glass, stained	1.00	2.00
1 - 16 X 38 Glass, ground	.60	.60
29 - 10 X 12 Glass	.07	2.03
8 - 8 X 10 "	.04 3/4	.38
9 - 10 X 14 "	.08	.72
2 - 12 X 20 "	.20	.40
1 Door Lock		.25
1 Cupboard Catch		.15
1 Trap Door Ring		.25
20# Vacuum	.10	2.00
3 Bu. Plastering Hair	.35	1.05
5 Bags #1 Adamant	1.10	5.50
8 Bbls. Buffalo Cement	2.50	20.00
2028 Common Brick	10.00	20.28
2100 Common Brick (Old)	6.50	13.65
300' 1" Common	17.00	5.10
550' 3" Common	17.00	9.35
336' 3 X 12 - 16"	19.00	6.38
2 1/2 M. Shingles	3.00	7.50
17130' Oak	33.00	565.29
129' Maple Flooring	24.50	3.16
68' Oak	28.00	1.90
54 Pcs. 6 X 9 - 12 Basswood	2916'	
12 " 6 X 9 - 14 "	756'	
	<u>3672'</u>	.33
7 " 6 X 10 - 14 Pine	490'	121.18
4 " 6 X 10 - 16 "	320'	
9 " 8 X 10 - 16 "	960'	
	<u>1770'</u>	15.50
		27.44
1 " 10 X 10 - 16 "	133'	
7 " 12 X 12 - 16 "	1344'	
1 " 12 X 12 - 10 "	120'	
	<u>1597'</u>	16.50
		26.35
2 " 12 X 12 - 30 "	720'	23.75
2 " 6 X 8 - 16 "	128'	15.50
6 Pump Rods 10X10X36	5.00	30.00
1 Pump Rod 9 X 9 - 30	202'	23.75
1 Pump Rod 9 X 9 - 34	229'	25.27
		<u>5.90</u>

Total Building Material

902.68

Hard Ore Mine.

EXPLOSIVES.

29200' Double Tape Fuse	3.80	110.96
950 6' Electric Exploders	30.15	28.64
8300 Blasting Caps	5.00	41.50
38# Connecting Wire	.30	11.40
417# 1½" 50% Powder	.12	<u>50.04</u>

Total Explosives 242.54

MINING TIMBER.

1092 Cedar Ties 3' long	11.00	120.12
1300 Ft. Lagging	.80	<u>10.40</u>

Total Mining Timber 130.52

F U E L .

1644 Tons Coal	2.76	4539.89
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(Coal cost 3.028+ Unloading)

Total Fuel 4539.89

Hard Ore Mine.

B A R N .

3000# Bran	17.50	26.25
5 Bags	.20	1.00
3 Eveners	1.00	3.00
135 Fellows	.22	29.70
4500# Feed (Ground)	20.00	45.00
5 Tons Hay	12.00	60.00
6 Hubs, wagon	.70	4.20
9# Horse Shoe Nails	.18	1.62
615 Bu. Oats	.29	178.35
2 Sleigh Runners	.75	1.50
1000# Straw Bedding	7.00	3.50
130# Horse Shoes	.04 $\frac{1}{2}$	5.85
148 Spokes, wagon	.07	10.36
360# Skeins & Boxes, Wagon Axles	.03	10.80
3 Wagon Tongues	1.00	3.00
4 Whiffle Trees	.75	3.00
3 Neck Yokes, wood	.50	1.50
2 Wagon Axles, wood	1.00	2.00
		<hr/>
	Total	390.63

Total Barn

390.63

35

Hard Ore Mine.

ANTIQUATED SUPPLIES.

GENERAL SUPPLIES.

9	Commutator Brushes	.36	3.24
10	Cut Out Coils	.75	7.50
7	Cut Out Coils	1.00	7.00
46	Left Lamp Hangers	.05	2.30
50	Right Lamp Hangers	.05	2.50
17	Lamp Hooks	.02	.34
36	Lamp Hooks	.02	.72
1	Arc Globe	.50	.50
9	Flat Shades	.22	1.98
7	Belt Shades	.34	2.38
379	Carbons	8.00	3.03
5	Carbon Holders	.25	1.25
106#	Copper Ingot	.10	10.60
1	Saw, Circular		1.00
1	Screw Plate, Magic		5.00

Total General Supplies

49.34

MACHINERY SUPPLIES.

1	Valve 3-Way 5" Old		5.00
1	Valve, 5" Marine Old		5.00
1	Expansion Joint 3½"		.50
2	Elbows, Universal 4"	5.00	10.00
1	Elbow, Universal 6"		8.00
48'	Pipe, Special 4"	.05	2.40
9½'	12" Riveted Pipe & Flanges	1.20	11.40
	Less 67½%		7.69
			3.71
287'	6" Wood Pipe	.20	57.40
1'	3" Safety Valve	38.00	38.00
	Less 75 - 10%		29.45
			8.55

Amount For'd 100.56

49.34

Hard Ore Mine.

MACHINERY SUPPLIES (CONTINUED).

	Amount For'd	100.56	49.34
2 3½" Iron Body Globe Valves	18.00	36.00	
1 5" " " " "		32.00	
1 3" " " " "		9.75	
		<hr/> 77.75	
	Less 75%	<hr/> 58.31	19.44
1908# Pump Rollers & Boxes	8.00	7.63	
5 Challenge Core Lifter Springs	1.00	5.00	
1 Governor - Old		5.00	
18 Sheaves, wide mouth 14"	1.00	18.00	
2 Sheaves, wide mouth 48"	20.00	40.00	
1 Sheave, wide mouth 96"		75.00	
2 Prs. Boxes, wide mouth sheave	.50	1.00	
4 16" Oil Box Skip Wheels 608#			
12 12" Hind Skip Wheels 1752#			
1 14" Wheel 107#			
2 18" Wheels - 155# 310#			
13 Trucks 50# <hr/> 650#			
	3427#	8.00	13.71
2 Sets 16" Axles & Car Wheels	8.00	16.00	
570# Skip Axles	.01	5.70	
65# Skip Clamps	.01	.65	
446# Skip Side Rods	.01	.15	
106# Copper, Ingot	.10	10.60	
1 Saw, Circular		1.00	
1 Screw Plate, Magic		<hr/> 5.00	<hr/> 328.90
	Amount For'd		378.24

Hard Ore Mine.

Amount For'd

378.24

B A R N .

285	Wagon Axles	.01	2.85
145	Wagon Fellows	.01	1.45
4	Wagon Hubs	.25	1.00
160	Wagon Spokes	.01	<u>1.60</u>

Total Barn

6.90

Total Antiquated Supplies

385.14

Hard Ore Mine.

S C R A P .

1 Ton Wrought Pipe (2240)	5.00	5.00
2 Tons Wrought Scrap	5.00	10.00
1 Ton Cast Pipe	7.00	7.00
398# Brass Bearings	.07	27.86
1076# Scrap Brass	.10	107.60
835# Copper	.10	<u>83.50</u>

Total Scrap

240.96

C.I.M. Co. Hard Ore Mine.

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

DIAMOND DRILLS.

Diamond Drill No. 1

1 16" Sheave	D.D. House	1.19	
1 Water Joint	" " "	2.96	
1 4" Star Bit	" " "	.60	
2 Prs. 2 $\frac{1}{2}$ " Clamps	" " "	.60	
1 Hydraulic Jack	Warehouse	23.62	
1 Pr. 3" Clamps	D.D. House	.30	
202 'Extra Champion Drill Rods N.G. - Yard			
2 Prs. 4" Clamps		.60	
1 Increase Gearing	Machine Shop	5.90	
1 3" Chapping Bit Pioneer	" "	1.18	
1 4" Chapping Bit	" "	1.18	
1 Pr. 3/4" Blocks & Tackle	Pioneer		
200' I 5/16" Drill Rods	"	101.71	
	Total	139.84	
	Less 90% - 1900	125.86	13.98
	Less 80% - 1899		



Hard Ore Mine.

Mine Equipment (Continued).

Amount For'd

13.98

Diamond Drill No. 2.

1 Bullock Climax Drill	Lake	786.82	
1 Duplex Worthington Pump	"	59.05	
1 Water Joint	"	1.19	
250' Extra Climax Drill Rods	"	29.53	
1 Safety Clamp	Machine Shop	.60	
1 Set Taps and Dies	Tilden	1.19	
1 Duplex Worthington Pump	"	59.05	
1 Chuck Complete from M.E.H.		25.00	
1 Feed Screw Complete from M.E.H.		20.00	
1 Feed Nut Complete from M.E.H.		145.00	
1 Main Casting Complete from M.E.H.		70.00	
200' Climax Drill Rods	Lake	100.36	
700' 1 5/8" Drill Rods 1/2 Cost		<u>236.25</u>	
	Total	1534.04	
	Less 90% - 1900	<u>1380.64</u>	153.40
	Less 80% - 1899		
	Diamond Drill Forwarded		<u>167.38</u>

Hard Ore Mine.

Mine Equipment (Continued).

Amount For'd

167.38

Diamond Drill No. 3.

1 Little Champion Drill	Machine Shop	1409.03	
3 Prs. Extra Gear Feed Wheels	" "	3.54	
3 Rod Taps	" "	1.78	
3 Water Joints	" " N.G.	2.37	
1 Safety Clamp	" " " "	3.54	
1 Increase Gearing		5.90	
1 Hydraulic Jack	D.D. House	23.63	
50' 1/2" Steel Rope	Machine Shop	1.48	
110' Extra Drill Rods		14.77	
80' Special Casing Pipe	Yard	23.60	
1 Portable D.D. House	Pioneer	<u>39.37</u>	
	Total	1529.01	
	Less 90% - 1900.	<u>1376.11</u>	<u>152.90</u>
	Less 80% 1899		320.28

Total Old Drills.

Rods Bought 1900.

500' I 5/8" X 10' D. Rods with Couplings.75 & Frt.		381.33	
1000' I 5/8" X 10' " " " " "		763.05	
500' I 5/8" X 10' " " " " "		382.17	
500' I 5/8" X 10' " " " " "		381.47	
3 Water Swivels	\$10.00	<u>30.00</u>	
	Total	1938.02	

WV

Hard Ore Mine.

Mine Equipment (Continued).

Brought For'd                      1938.02                      320.28

"H" SULLIVAN DIAMOND DRILL #4.

1 "H" Sullivan Diamond Drill	1700.00	
No. 589 with part of Equipment		
Less Equipment not sent	300.00	1400.00
2 "A" Core Barrels @ 14.00		28.00
2 "A" Safety Clamps @ 17.00		34.00
Freight charges on 4 Core Barrels		1.93
Freight Charges on Drill		8.55
1 Duplex Prescott Pump " Small Size " Michigamme		
Total		<u>1472.48</u>

"B" SULLIVAN DIAMOND DRILL #5.

1 "B" Sullivan Diamond Drill	2500.00	
No. 645 Less Equipment but with Safety Clamp		
( 1 13/16 O.D.) Solid Wrencher and Drive		
Chuck Complete, with Rope on Drum		
Straps, Plug & Bolts for drawing Gear		
One Set Inlet and Outlet Piping		
One Pressure Gauge \$2500.00		
1 6' X 3 1/4 X 6 Duplex Prescott Pump #812	109.50	
1 Portable Drill House	63.58	
Freight Charges on Drill	17.60	
Total		<u>2690.68</u>

Totals Forwarded                      6101.18                      320.28

43

Hard Ore Mine.

MINE EQUIPMENT (CONTINUED).

Amount For'd                      6101.18                      320.28

"H" SULLIVAN DRILL NO. 6

1 "H" Sullivan Diamond Drill	1383.00	
No. 711 on Wood Frame all New with Exception of "Banjo", which is 2nd hand No Drive Chuck Included Set of Solid Wrenchers & Hoisting Rope \$1383.00		
1 "A" Safety Clamp for "A" Rods	17.00	
1 10' "A" Core Bbl.	20.00	
1 "H" Drive Chuck for "A" Rods	15.00	
Freight Charges on Drill	12.62	
	<hr/>	
Total	1447.62	
Total Bought in 1900	7548.80	
Less 11% + - 1900	852.20	
	<hr/>	
Total New Drills & Equipment		<u>6696.60</u>
Total Diamond Drills		7016.88

44

Hard Ore Mine.

Mine Equipment (Continued).

POWER DRILLS.

3 No. 3 Rand Drills	Warehouse
1 " " " "	Machine Shop
1 " " " "	Machine Shop N.G.
2 " " " "	H.O. Yard N.G.
4 " " " "	Moro Mine
1 " " " "	Lake Mine
1 "Sargent Drill	Machine Shop
7 No. 3 I/4 Rand Drills	Moro Mine

TRIPODS.

6 No. 3 Rand Tripods	Warehouse
4 " " " "	Machine Shop
5 " " " "	Imperial Mine
1 " 3 I/4 " "	Machine Shop
II " 3 1/4 " "	Moro Mine
1 Sargent Tripod	Warehouse

Cost of New #3  $\frac{1}{4}$  Drills was sunk in

Reopening Mine

Cost Price per Drill with T.P.

W.S.

Hard Ore Mine.

Mine Equipment (Continued).

CARS, SKIPS AND DERRICKS.

1 Iron Skip	Yard	44.28	
2 " "	#3 Mine	141.72	
1 Steel Skip	Moro Mine	70.86	
1 Steel Skip	B. Shop	70.86	
1 Steel Skip	Yard	70.86	
2 Large Iron Buckets	"	10.63	
3 Small Iron Buckets	"	15.94	
1 Water Bucket	"	.89	
34 Stack Pile Tram Cars	"		
1 Stack Pile Tram Car	Moro Mine		
1 Large Wooden Tram Car	M. Mine		
5 " " " "	#3 Mine		
5 " " " "	Top Mine	206.68	
1 " " " "	Yard	24.93	
2 " " " "	Top M. Mine	82.67	
1 " " " "	" " "	47.25	
1 " " " "	S.M. Mine	35.44	
1 " " " " Box	" " "		
1 1½ Ton Iron Bucket	Yard	4.05	
1 ½ Ton Iron Bucket	"	1.62	
13 New Tram Cars Built 1900			
Cost \$1191.21			
	Total	828.68	
Less 89.8%			
1899 85.0%		744.46	84.22
<del>1900 64.5%</del>			
Total Cars, Skips and Derricks			84.22

Record.

1 New Wooden Tram Car Belongs to Cliffs Shaft H.O. Yard  
 1 Small Iron Skip " " Lake E. New York  
 2 Derricks " " Lake H.O. Yard.

Hard Ore Mine.

Mine Equipment (Continued).

PORTABLE MACHINERY.

1	14 X 8 X 12 Duplex Prescott Sinker	Yard	900.00	
1	14 X 8 X 12 " " "	Michagamme	900.00	
1	14 X 8 X 12 " " "	"	900.00	
3	6 Figure Large Counters	P. Sinkers	57.80	
1	No. 7 Knowles Pump #43	M. Shop	92.24	
	Total		2850.04	
	Less 30.6%		872.05	1977.99
	1899 20 % = 558.45			
	1900 10.6% = 313.60			
			872.05	
1	Portable Boiler on Wheels	Tilden	147.63	
1	Portable Boiler on Wheels	Salisbury	132.87	
1	Bullock Locomotive Boiler D.D.	Pioneer	162.39	
1	Engine from #10 Mine	Yard	47.24	
1	Portable Hoist from #3	Tilden	177.15	
1	Locomotive No. 1	R. House	2361.96	
1	No. 4 Earle Pump	Yard	50.20	
1	No. 7 Earle Pump N.G.	"	103.35	
1	Force Pump	"	5.90	
	Total		3188.69	
	Less 85 % Same as 1899		2710.39	478.30
	Totals For'd			2456.29

d7

Hard Ore Mine.

Mine Equipment (Continued).

	Amount For'd	2456.29
1 Locomotive, Pittsburg	R. House	30.00
1 No. 9 Earle Pump	Yard	29.52
1 Duplex Knowles Pump X 6" Indp. Air Pump & Condensor Pump in Hard Ore Yard Air Pump at Salisbury Condensor at L.S.I. Co.		369.36
1 Duplex Smith Vaile Pump & Indp. Condensor Yard		<u>479.40</u>
	Total	908.28
	Less 10 % (Same as 1899)	<u>90.83</u>
		817.45

RECORD.

1 Boiler Dome	H.O. Yard	
1 42" X 8" Air Receiver	" " " Scrap	
1 No. 5 Knowles Pump	" " Shop N.G.	
1 Merritt Hoisting Engine	" " Yard	
1 Portable Hoist (Michg.)	" " Shop	
	Total H.O. Portable Machinery.	<u>3273.74</u>



Hard Ore Mine.

GENERAL SUPPLIES (CONTINUED).

	Amount For'd		1138.78
2 Steel Tongs	.75	1.50	
1 Lot B.S. Tongs		4.00	
1 Counter Scales & Weights		3.60	
2 Prs. Rope Tongs & Marline Spikes	.75	1.50	
1 Iron Vise		1.00	
1 6" Monkey Wrench	4.50 Doz.	.38	
6 12" Monkey Wrenches	8.40 Doz.	4.20	
2 15" Monkey Wrenches	14.40	2.40	
2 18" Monkey Wrenches	18.00	3.00	
1 Spike Bar		1.50	
3 Pinch Bars	1.50	4.50	
8 Cant Hooks	11.00	7.33	
2 $\frac{1}{4}$ Tons Hard Coal	6.01	13.52	
10 16" Horse Rasps	.45	4.50	
6 10" Files, Double Enders	3.70	1.85	
11 6" Files, Bastard Round	3.00	2.75	
4 8" Files, Round Bastard	3.70	1.23	
13 10" Files, Round Bastard	4.90	5.31	
6 12" Files, Round Bastard	6.50	3.25	
2 6" Files, Half Rd. Bastard	5.30	.88	
7 12" Files, Half Rd. Bastard	10.30	6.01	
5 14" Files, Half Rd. Bastard	13.50	5.62	
23 6" Files, Mill Bastard	3.00	5.75	
1 8" Files, Mill Bastard	3.70	.31	
1 10" Files, Mill Bastard	4.90	.41	
3 12" Files, Mill Bastard	6.50	1.63	
4 12" Files, Mill Bastard	9.30	3.10	
21 8" Files, Sq. Bastard	4.80	8.40	
22 10" Files, Sq. Bastard	6.40	11.73	
8 12" Files, Sq. Bastard	8.90	5.93	

Amounts For'd 64.16 52.93 1138.78

Hard Ore Mine.

GENERAL SUPPLIES (CONTINUED).

	Amount For'd		1138.78
2 Steel Tongs	.75	1.50	
1 Lot B.S. Tongs		4.00	
1 Counter Scales & Weights		3.60	
2 Prs. Rope Tongs & Marline Spikes	.75	1.50	
1 Iron Vise		1.00	
1 6" Monkey Wrench	4.50 Doz.	.38	
6 12" Monkey Wrenches	8.40 Doz.	4.20	
2 15" Monkey Wrenches	14.40	2.40	
2 18" Monkey Wrenches	18.00	3.00	
1 Spike Bar		1.50	
3 Pinch Bars	1.50	4.50	
8 Cant Hooks	11.00	7.33	
2 $\frac{1}{4}$ Tons Hard Coal	6.01	13.52	
10 16" Horse Rasps	.45	4.50	
6 10" Files, Double Enders	3.70	1.85	
11 6" Files, Bastard Round	3.00	2.75	
4 8" Files, Round Bastard	3.70	1.23	
13 10" Files, Round Bastard	4.90	5.31	
6 12" Files, Round Bastard	6.50	3.25	
2 6" Files, Half Rd. Bastard	5.30	.88	
7 12" Files, Half Rd. Bastard	10.30	6.01	
5 14" Files, Half Rd. Bastard	13.50	5.62	
23 6" Files, Mill Bastard	3.00	5.75	
1 8" Files, Mill Bastard	3.70	.31	
1 10" Files, Mill Bastard	4.90	.41	
3 12" Files, Mill Bastard	6.50	1.63	
4 12" Files, Mill Bastard	9.30	3.10	
21 8" Files, Sq. Bastard	4.80	8.40	
22 10" Files, Sq. Bastard	6.40	11.73	
8 12" Files, Sq. Bastard	8.90	5.93	

Amounts For'd 64.16 52.93 1138.78

Hard Ore Mine.

GENERAL SUPPLIES (CONTINUED).

	Amount For'd	64.16	52.93	1138.78
4 16" Files, Sq. Bastard	16.30	5.43		
1 12" Files, Flat Bastard	8.40	.70		
4 14" Files, Flat Bastard	11.60	3.86		
6 10" Files, Hand Bastard	6.50	3.25		
5 12" Files, Hand Bastard	9.30	3.87		
1 8" Files, Taper Bastard	4.70	.39		
3 10" Files, Taper Bastard	7.00	<u>1.75</u>		
Total		83.41		
Less 70%		<u>58.39</u>	<u>25.02</u>	<u>77.95</u>

Total General Supplies

1216.73

Hard Ore Mine.

I R O N & S T E E L .

5208# Iron	1.95	101.56
2165# "	2.05	44.38
1940# "	2.15	41.71
234# "	2.25	5.27
581# "	2.45	12.76
50# "	2.65	1.33
190# "	2.75	5.23
296# ", Fagot	2.00	5.92
1483# Swede Iron	4.50	66.73
776# Angle Iron	.03	23.28
2006# Low Moor Iron	.08	160.48
2190' 20# Steel Rail 6 1160/2240	38.00	247.07
5248# Tank Steel	.02	104.96
715# Drill Steel	6.35	45.40
1894# Drill Steel	.07½	137.32
200# Scrap Steel	.00½	1.00
13# Chisel Steel	12.50	1.63
144# Pick Steel	.07	10.08
215# Sledge Steel	.07	15.05
409# Hammer Steel	.07	28.63
385# Tap Steel	12.50	48.13
373# Lathe Tool Steel	12.50	46.63
244# Spring Steel	.10	24.40
67# 1" Machine Steel	3.50	2.35
31# 1¼" Machine Steel	3.50	1.09
17# 1 3/8" " "	3.50	.60
164# 1½ " "	3.50	5.74
530# 2" " "	3.50	18.55
95# 2½" " "	3.50	3.33
181# 2½" " "	3.50	6.34
Total		<u>1216.95</u>

Amount For'd

1216.95

Hard Ore Mine.

IRON & STEEL (CONTINUED).

	Amount For'd	1216.95
360# 2 3/4" Machine Steel	3.25	11.70
554# 3" " "	3.25	18.01
702# 3 1/2" " "	3.55	24.92
715# 4" " "	3.55	25.38
130# 3 3/4" " "	3.55	4.62
630# 5" " "	4.25	26.78
165# 9" X 5/8 " "	2.35	3.88
36# 3d Wire Nails	3.80	1.37
95# 8d " "	3.60	3.42
100#10d " "	3.50	3.50
100#20d " "	3.30	3.30
1700#40d " "	3.00	51.00
1180#60d " "	3.00	35.40
110# 8d " " Cut	3.40	3.74
55# 8d Wrought Nails	.03	1.65
32# 6d Cut Nails	.03	.96
73 1 1/2 X 3/8" Carriage Bolts	1.50	1.10
127 2 1/4 X 3/8" " "	1.57	1.99
4 2 1/2 X 3/8" " "	1.64	.07
174 2 3/4 X 3/8" " "	1.71	2.98
272 3 X 3/8 " "	1.78	4.84
70 3 1/2 X 3/8"	1.92	1.34
45 4" X 3/8" " "	2.06	.93
37 4 1/2 X 3/8" " "	2.23	.81
36 5" X 3/8" " "	2.34	.84
135 5 1/2 X 3/8" " "	2.48	3.35
53 1 1/2" X 3/8" " "	3.00	1.59
314 2" X 1/2 " "	3.00	9.42
303 2 1/2 X 1/2 " "	3.00	9.09

Amounts For'd

38.35 219.63

1216.95

Hard Ore Mine.

IRON & STEEL (CONTINUED).

	Amounts For'd		38.35	219.63	1216.95
146 3" X ½" Carriage Bolts	3.00	4.38			
529 3½" X ½" " "	3.20	16.93			
105 4" X ½" " "	3.40	3.57			
285 4½" X ½" " "	3.60	10.26			
63 5" X ½" " "	3.80	2.39			
157 6" X ½" " "	4.20	6.59			
38 6½" X ½" " "	4.40	1.67			
145 7" X ½" " "	4.60	6.67			
107 7½" X ½" " "	4.80	5.14			
		<u>95.95</u>			
	Less 70 & 10%		<u>70.04</u>	25.91	
135 17½" X 3/8" Machine Bolts	7.36	9.94			
37 2½" X ½" " "	4.12	1.52			
45 3" X ½" " "	4.38	1.97			
4 4" X ½" " "	4.90	.20			
5 4½" X ½" " "	5.16	.26			
7 6" X ½" " "	5.94	.42			
95 2" X 5/8" " "	5.58	5.30			
57 3" X 5/8" " "	6.34	3.61			
67 3½" X 5/8" " "	6.72	4.50			
121 4" X 5/8" " "	7.10	8.59			
100 4½" X 5/8" " "	7.48	7.48			
25 3½" X 3/4" " "	9.20	2.30			
49 2½" X 3/4" " "	8.20	4.02			
104 4" X 3/4" " "	9.70	10.09			
3 7" X 3/4" " "	12.70	.38			
195 14½" X 3/4" " "	19.70	38.42			245.54
	Total		99.00		

Amounts For'd 99.00

1462.49

Hard Ore Mine.

IRON & STEEL (CONTINUED).

	Amounts For'd	99.00	1462.49
113 12½ X 3/4" Machine Bolts	17.70	20.00	
7 3¼ X 7/8" " "	12.60	.88	
22 3½ X 1 1/8 " "	13.30	<u>2.93</u>	
		122.81	
Less 75 & 10%		<u>95.18</u>	27.63
60 ½" Lag Screws	.01 3/4	1.05	
15 Gross Screws	.30	4.50	
512# Washers	.04	20.48	
68# Cast Washers	.03	2.04	
109# Bolt Ends	.03	3.27	
6492# Blank Nuts	.05	324.60	
1477# Tapped Nuts	.07	103.39	
180 Lock Nuts	.01	1.80	
1050# Rivets	.04¼	44.63	
35# Boat Spikes	2.25	.79	
265# R.R. Spikes 3½ X 7/16	2.13	5.64	
140# Strap Rail Spikes	2.50	3.50	
165# 3½" X 3/4" R.R. Bolts	3.00	<u>4.95</u>	518.27
Total		518.27	

Total Iron & Steel

2010.76

Hard Ore Mine.

OIL, GREASE and CANDLES.

12138# Electric Light Candles	.09	1092.42	
150# No.3 Badge Lubricant	.08	12.00	
369# Graphite Gear Grease	.03	11.07	
1765 Light Axle Grease	.02	34.10	
1593 Gals. Prime White Oil	.12	191.16	
801 Gals. Diamond Cylinder Oil	.26	208.26	
385 Indian Red Engine Oil	.14	53.90	
576 Gals. Winter Black Oil	.12½	72.00	
114 Gals. Winter Strained Lard Oil	.56	63.84	
105 Gals. Air Cylinder Oil	.26	27.30	
326# Sullivan Drilling Comp.	.05	16.30	
50# No. 2 Standard Pin Grease	.03¼	1.63	
15 Gals. Gasolene	.13	1.95	1785.93

(No empty oil barrels)

Total Oil, Grease & Candles. 1785.93

15



Hard Ore Mine.

OIL, GREASE and CANDLES.

12138# Electric Light Candles	.09	1092.42	
150# No.3 Badge Lubricant	.08	12.00	
369# Graphite Gear Grease	.03	11.07	
1765 Light Axle Grease	.02	34.10	
1593 Gals. Prime White Oil	.12	191.16	
801 Gals. Diamond Cylinder Oil	.26	208.26	
385 Indian Red Engine Oil	.14	53.90	
576 Gals. Winter Black Oil	.12½	72.00	
114 Gals. Winter Strained Lard Oil	.56	63.84	
105 Gals. Air Cylinder Oil	.26	27.30	
326# Sullivan Drilling Comp.	.05	16.30	
50# No. 2 Standard Pin Grease	.03¼	1.63	
15 Gals. Gasolene	.13	1.95	1785.93

(No empty oil barrels)

Total Oil, Grease & Candles. 1785.93

15

Hard Ore Mine.

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

69' 1/2" Black Pipe	.08 1/2	5.87	
Less 56 & 5%		<u>3.41</u>	2.46
300' 1 1/4" Black Pipe	.22 1/2	67.50	
51' 2" " "	.36	18.36	
26' 2 1/2" " "	.57 1/4	14.95	
383' 3" " "	.75 1/2	289.35	
188' 3 1/2" " "	.95	178.60	
50 4" " "	1.08	54.00	
100' 5" " "	1.45	145.00	
260' 6" " "	1.88	488.80	
21 1/2' 7" " "	2.35	50.52	
20 8" " "	2.82	56.40	
7' 9" " "	3.40	<u>23.80</u>	
		1387.31	
		<u>926.04</u>	461.27
8' 12" Pipe	5.20	41.60	
Less 56 & 5%		<u>24.22</u>	17.38
60' 3/4" Galvanized Pipe	.11 1/2	6.90	
40' 1 1/4" Galvanized Pipe	.16 1/2	<u>6.60</u>	
		13.50	
		<u>7.09</u>	6.41
170' 3" Split Pipe Covering	.32	54.40	
2 4" Wind Bores	2.00	4.00	
1 5" " "		2.25	
1 6" " "		2.50	
1 7" " "		2.75	
2 8" " "	3.00	<u>6.00</u>	559.42
	Total		<u>559.42</u>

Amount For'd

559.42

Hard Ore Mine.

MACHINERY SUPPLIES (CONTINUED).

	Amount For'd		559.42
5 3/8" Bushings	.04	.20	
5 1/2" "	.04	.20	
10 3/4" "	.05	.50	
9 1" "	.06	.54	
26 1 1/4" "	.07	1.82	
10 1 1/2" "	.09	.90	
22 2" "	.14	3.08	
5 2 1/2" "	.21	1.05	
11 3" "	.30	3.30	
2 4" "	.50	1.00	
4 5" "	.93	3.72	
12 6" "	1.25	15.00	
3 8" "	2.75	<u>8.25</u>	
		39.56	
	Less 75 - 10 & 5%	<u>31.10</u>	8.46
9 3/4" Iron Stop Cocks	1.05	9.45	
18 1" " " "	1.30	23.40	
24 1 1/4" " " "	1.60	38.40	
22 1 1/2" " " "	1.95	42.90	
19 2" " " "	2.70	51.30	
2 3" " " "	6.75	<u>13.50</u>	
		178.95	
	Less 75 & 5%	<u>136.45</u>	42.50
1 2" Cap		.32	
1 4" Cap		<u>1.20</u>	
		1.52	
	Less 75 & 5%	<u>1.16</u>	.36
			<u>51.32</u>
	Total		51.32

Amount For'd

610.74

MACHINERY SUPPLIES (CONTINUED).

		Amount For'd	610.74
14 1/4"	Couplings	.05	.70
5 3/8"	"	.06	.30
5 1/2"	"	.07	.35
44 3/4"	"	.10	4.40
30 1"	"	.13	3.90
20 1 1/4"	"	.17	3.40
14 1 1/2"	"	.21	2.94
22 2"	"	.28	6.16
4 2 1/2"	"	.40	1.60
5 5"	"	1.65	8.25
20 3"	"	.60	12.00
17 6"	"	2.40	40.80
4 7"	"	3.25	13.00
10 9"	"	5.50	55.00
2 10"	"	7.50	15.00
3 12"	"	10.00	<u>30.00</u>
			197.80
	Less 70 & 5%		<u>141.31</u> 56.37
87 1"	Crosses	.27	23.49
21 1 1/4"	"	.42	8.82
15 1 1/2"	"	.53	7.95
17 2"	"	.75	12.75
1 3"	"	2.00	2.00
1 4"	"		<u>3.15</u>
			58.16
	Less 75 & 5%		<u>44.35</u> 13.81 70.18
	Total	70.16	<u>70.18</u>

Hard Ore Mine.

MACHINERY SUPPLIES (CONTINUED).

		Amount For'd		680.92
13	1/4" Elbows	.05	.65	
21	3/8" "	.05	1.05	
16	1/2" "	.06	.96	
8	1" "	.10 1/2	.85	
13	3/4" "	.08	1.04	
22	1 1/4" "	.16	3.52	
1	1 1/2" "	.20	.20	
8	2 1/2" "	.50	4.00	
1	3 1/2" "	1.05	1.05	
6	4" "	1.20	7.20	
7	5" "	2.00	14.00	
3	6" "	2.75	8.25	
			<u>42.77</u>	
	Less 75 & 5%		<u>32.61</u>	10.16
3	3" - 45° Elbows	.90	2.70	
1	5" - 45° "		2.50	
1	8" - 45° "		8.50	
			<u>13.70</u>	
	Less 75 & 5%		<u>10.45</u>	3.25
3	6" Water Works Elbows	2.00	6.00	
3	2" " " " Less	2.17	6.51	
1	15" Sewer Pipe Y		1.44	
6	4" " " "	.06	.36	
34	6" " " "	.099	3.37	
30	15" " " "	.36	10.80	
141	4" " " "	.04	5.64	47.53
	Total		<u>47.53</u>	

Amount For'd

728.45

Hard Ore Mine.

MACHINERY SUPPLIES (CONTINUED).

		Amount For'd		728.45
1 3/8"	Lock Nuts		.03	
1 3/4"	" "		.05	
11 1"	" "	.07	.77	
3 1 1/4"	" "	.09	.27	
6 1 1/2"	" "	.11	.66	
3 2"	" "	.18	<u>.54</u>	
			2.32	
	Less 70%		<u>1.62</u>	.70
6 3/8"	Nipples	.06	.36	
33 1/2"	"	.07	2.31	
24 3/4"	"	.08	1.92	
22 1"	"	.10	2.20	
70 1 1/4"	"	.14	9.80	
9 1 1/2"	"	.17	1.53	
50 2"	"	.21	10.50	
5 2 1/2"	"	.40	2.00	
5 3"	"	.52	2.60	
8 3 1/2"	"	.70	5.60	
6 4"	"	.80	4.80	
25 5"	"	1.42	35.50	
38 6"	"	1.77	67.26	
2 7"	"	2.15	4.30	
2 8"	"	2.65	5.30	
2 9"	"	3.72	<u>7.44</u>	
			163.42	
	Less 80%		<u>130.74</u>	32.68
1 1 1/4"	Reducer		.20	
1 4"	"		<u>1.85</u>	
			2.05	
	Less 75 & 5%		<u>1.56</u>	.49
				<u>33.87</u>

Amount For'd

762.32

Hard Ore Mine.

MACHINERY SUPPLIES (CONTINUED).

		Amount For'd		762.32
5 1/4"	Plugs	.02	.10	
5 3/8"	"	.02	.10	
9 1/2"	"	.02	.18	
19 3/4"	"	.03	.57	
24 1"	"	.04	.96	
16 1 1/4"	"	.05	.80	
18 1 1/2"	"	.07	1.26	
1 2"	"	.10	.10	
9 2 1/2"	"	.18	1.62	
3 3"	"	.25	.75	
2 3 1/2"	"	.28	.56	
6 4"	"	.42	2.52	
4 5"	"	.88	3.52	
2 6"	"	1.20	2.40	
			<hr/>	
			15.44	
	Less 75 - 10 & 5%		<hr/>	
			12.14	3.30

12 1/4"	Tees	.08	.96	
11 3/8"	"	.08	.88	
11 1/2"	"	.09	.99	
10 3/4"	"	.12	1.20	
25 1"	"	.15	3.75	
5 1 1/4"	"	.23	1.15	
12 1 1/2"	"	.29	3.48	
9 2 1/2"	"	.73	6.57	
1 3"	"		1.10	
9 3 1/2"	"	1.50	13.50	
1 4"	"		1.75	
13 5"	"	3.00	39.00	
4 6"	"	4.00	16.00	
1 8"	"		9.75	
			<hr/>	
			100.08	
	Less 75 & 5%		<hr/>	
			76.31	23.77
	Amount For'd		<hr/>	27.07
				<hr/>
				789.39

Hard Ore Mine.

MACHINERY SUPPLIES (CONTINUED).

		Amount For'd		789.39
12 1/4"	Malleable Unions	.18	2.16	
20 3/8"	" "	.20	4.00	
24 1/2"	" "	.22	5.28	
5 3/4"	" "	.27	1.35	
4 1"	" "	.33	1.32	
6 1 1/4"	" "	.46	2.76	
4 1 1/2"	" "	.58	2.32	
3 2"	" "	.75	2.25	
			<hr/> 21.44	
	Less 80%		<hr/> 17.15	4.29
59 Prs. 1"	Flange Unions	.52	30.68	
11 Prs. 1 1/4"	" "	.64	7.04	
7 Prs. 1 1/2"	" "	.78	5.46	
6 Prs. 2 1/2"	" "	1.25	7.50	
5 Prs. 3"	" "	1.50	7.50	
10 Prs. 5"	" "	3.15	31.50	
7 Prs. 6"	" "	3.95	27.65	
1 Pr. 8"	" "	7.00	7.00	
2 Prs. 9"	" "	10.00	20.00	
2 Prs. 12"	" "	16.00	32.00	
			<hr/> 176.33	
	Less 75 & 10%		<hr/> 136.65	39.68
			<hr/> 43.97	
	Total			43.97

2 ✓ Amount For'd

833.36



Hard Ore Mine.

MACHINERY SUPPLIES (CONTINUED).

		Amount For'd		833.36
1	1" Cross Valve		2.50	
1	1½" " "		5.00	
1	2" " "		8.00	
			<u>15.50</u>	
	Less 70%		<u>10.85</u>	4.65
11	3/8" T Handle Pit Cocks	.50	5.50	
	Less 75%		<u>4.12</u>	1.38
1	3/4" Hydrant Cock		2.00	
	Less 70 & 10%		<u>1.46</u>	.54
10	3/4" Brass Stop Cocks	1.70	17.00	
10	1" " " "	2.35	23.50	
1	1¼" " " "		3.70	
1	2" " " "		7.30	
			<u>51.50</u>	
	Less 75 & 10%		<u>39.91</u>	11.59
10	¼" Lever Handled Cylinder Cocks	.60	6.00	6.00
1	1" Brass Exp. Joint 10" Travel			3.50
1	Oil Brl. Gate			<u>.25</u>
				27.91
		Total		27.91

Hard Ore Mine.

MACHINERY SUPPLIES (CONTINUED).

		Amount For'd		861.27
3 1/4"	Globe Valves	.72	2.16	
6 3/8"	" "	.77	4.62	
5 1/2"	" "	1.00	5.00	
8 3/4"	" "	1.26	10.08	
6 1"	" "	1.80	10.80	
5 1 1/4"	" "	2.52	12.60	
1 2"	" "		5.30	
4 1/4"	Angle Valves	.72	2.88	
5 3/8"	" "	.77	3.85	
3 1/2"	" "	1.00	3.00	
1 3/4"	" "		1.26	
5 1"	" "	1.80	9.00	
2 1 1/4"	" "	2.52	5.04	
3 1 1/2"	" "	3.50	10.50	
			<u>86.09</u>	
	Less 70%		<u>60.26</u>	25.83
12 1/2"	Check Valves	.90	10.80	
4 3/4"	" "	1.15	4.60	
3 1"	" "	1.60	4.80	
1 1 1/4"	" "		2.25	
7 1 1/2"	" "	3.15	22.05	
1 2"	" "		4.75	
			<u>49.25</u>	
	Less 70%		<u>34.47</u>	14.78
			<u>40.61</u>	40.61
		Total		40.61

24

Amount For'd

901.88

Hard Ore Mine.

MACHINERY SUPPLIES (CONTINUED).

		Amount For'd		901.88
5 1/2"	A.D. Globe Valves	1.60	8.00	
5 3/4"	" " "	2.20	11.00	
3 1"	" " "	2.80	8.40	
6 1 1/4"	" " "	4.00	24.00	
2 2"	" " "	8.75	17.50	
4 1/4"	" Angle "	1.10	4.40	
3 3/8"	" " "	1.25	3.75	
5 3/4"	" " "	2.20	11.00	
			<hr/>	
			88.05	
	Less 60 & 10%		<hr/>	
			56.35	31.70
1 2 1/2"	Iron Bodied Globe Valve		7.35	
1 3"	Iron Bodied Globe Valve		9.80	
			<hr/>	
			17.15	
	Less 75 & 5%		<hr/>	
			13.08	4.07
			<hr/>	35.77
		Total		35.77

Amount For'd

937.65

MACHINERY SUPPLIES (CONTINUED).

	Amount For'd	937.65
22 3½" Belting	.33	7.26
2 Brass Tail Pipes	15.00	30.00
3506# Bushings & Pump Castings	2.40	84.14
2 Brass Circulating Tubes	8.36	16.72
125# Clack & Seating	2.40	3.00
604# Brass Castings	.30	181.20
184# Grate Bars	2.40	4.42
299# Upper Lawn Head Castings	2.75	8.22
926# Shells & Slide Castings	2.75	25.47
110# Ratchet Box Castings	2.75	3.03
120# Valve Seat Castings	2.75	3.30
77# Air Chest Castings	2.75	2.12
20# Buffer Yoke Castings	2.75	.55
225# Skip Wheel Bushings	2.75	6.19
15 Little Champion Bits	.30	4.50
1 Little Champion Core Lifter	3.00	3.00
1 Little Champion Core Coupling	1.75	1.75
6 Little Champion Core Springs	3.02	18.12
31 Climax Bits	.30	9.30
5 Climax Core Lifter & Springs	3.02	15.10
1 Drill Rod Coupling		.75
5 Cossette Core Lifter Springs	3.80	19.00
29 Flue Cleaner Springs & Tips	.34	9.86
1 No. 0 Grease Cup, Lukenheimer	.26	.26
9 No. 1 Grease Cups, Lunkenheimer	.33	2.97
36# Sulphur	.05	1.80
175# Empire Packing	.26	45.50
52# Sheet Rubber Packing	.15	7.80
125# Rainbow Packing	.50	62.50
9# Sq. Flax Packing	.45	4.05
72# Sq. Rubber Packing	.45	32.40
		<u>614.28</u>
Total		614.28

Amount For'd

1551.93

MACHINERY SUPPLIES (CONTINUED).

	Amount For'd		1551.93
56# Asbestos Board Packing	.08	4.48	
2# Asbestos Wick "	.25	.50	
23# Italian Hemp "	.12	2.76	
10# German Asbestos "	.80	8.00	
13# Rubber Asbestos Gaskets	.70	9.10	
1 5/8# 1/2" Vulcan Packing	.75	1.22	
4# Sq. White Stitched Packing	.61	2.44	
5# Bell Brand Flax Packing	.29	1.45	
9# Goodsell's Piston Packing	.50	4.50	
10# Garlock Packing	.75	7.50	
1# W.G. Glass Gaskets		.60	
85# C. & J. Pump Valves	.90	76.50	
25# Pump Valves	.75	18.75	
9# Composition Pump Valves	.70	6.30	
5# Brass Pump Springs	.30	1.50	
28 Pcs. 3/4" Sq. Fibre	.13	3.64	
350' 1" Air Drill Hose	.25	87.50	
9 Lengths Old Air Hose	2.50	22.50	
2 Lengths Old Air Hose	5.00	10.00	
3 #4 Knowles Piston Castings	.25	.75	
2 #7 " " "	1.50	3.00	
1 #8 Slide Valve		.50	
1 #6 Pump Clamp & Connections	6.50	6.50	
4 #10 Pump Clamps & Connections	12.44	49.76	
2 Pump Forks	2.00	4.00	
24 S. & V. Valve Stems	1.25	30.00	
9 S. & V. Valve Seats	2.25	20.25	
1 S. & V. Pot Valve	5.50	5.50	
6 S. & V. Valve Pot Springs	.20	1.20	
43 S. & V. Valve Springs	.75	32.25	422.95
	Total	422.95	

CLEVELAND IRON MINING CO.

- I N V E N T O R Y -

of

PERSONAL PROPERTY,

NOVEMBER 30th, 1900.

I S H P E M I N G, M I C H I G A N.

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

Index to Inventories, November 30th, 1900.

G E N E R A L A C C O U N T S .

	Hard Ore	Lake	Michig.	Imper.	Webster
Buildings.....	1	1	1	1	1
Plant.....	2 - 4	2	1 - 2	1 - 2	1
General Supplies.....	5 - 10	3 - 8	3 - 6	3	
Iron & Steel.....	11 - 14	9 - 10	7 - 10	4	
Oil, Grease & Candles.....	15	11	11	4	
Machinery Supplies.....	16 - 32	12 - 13	12 - 22	5 - 10	
Building Material.....	33	14 - 16	23 - 24	11	
Explosives.....	34	17	25	12	
Fuel.....	34	18	25	12	
Mine Timber.....	34	18	25	12	
Barn.....	35		25		
Antiquated Material.....	36 - 38	19	26		
Scrap.....	39		27		
Mine Equipment.....	40 - 51	20 - 23	28 - 31		
Recapitulation.....	52	24	35	13	

--- I N D E X ---

Articles	Hard Ore	Lake	Michg.	Imper.	Webster
Antiquated Supplies	36 - 38	19	26		
Babbitt	5		2		
Barn Supplies	35		25		
Boilers	2	2		1	1
Bolts	12 - 13	9 - 10	7		
Building Material	33	14 - 16	23 - 24	11	
Buildings	1	1	1	1	
Bushings	17		14	5	
Brooms	5		4	3	
Cans	5	3	3		
Candles	15	11	11	4	
Carts, Wagons & Sleighs	49 - 50	23			
Cars, Skips & Derricks	46	21	29		
Castings	30		21		
Coal, Steam	34	18	25	12	
Coal, Blossburg	5	3	4	3	
Coke	5				
Cocks, Assorted	23		17	6	
Couplings	18		16	5	
Crosses	18				
Crusher			1		
Crusher Castings			22		
Diamond Drills	40 - 44				
Diamond Drill Supplies	26				
Dwellings	1			1	
Elbows	19		15	6	
Electric Supplies	7 - 8	4 - 8			
Equipment	40 - 51	20 - 23	28 - 34		
Explosives	34	17	25	12	
Files	9 - 10	3	4	3	
Fuel	34	18	25	12	
Handles	8	3	3	3	
Horses	51	23		2	
Hose, Air	27				
General Supplies	5 - 10	3 - 8	3 - 6	3	
Globes	6	3	3	3	
Grease	15	11	11	4	
Iron, Assorted	11 - 14	9 - 10	8	4	
Iron & Steel	11 - 14	9 - 10	7 - 10	4	
Iron, Swede	11	9	9		
Lanterns	6	3	4		
Ladders	6				
Lagging	34	18	28	12	
Lamps	6	3		3	
Lumber	33	14 - 16	23 - 24	11	
Magnolia Metal	5				
Machinery	40 - 51	2			
Machinery Supplies	16 - 32	12 - 13	12 - 22	5 - 10	
Mine Timber	34	18	25	12	
Nails	12	9	9	4	
Nipples	20		16	6	
Nuts	14	9	9	4	
Oil, Grease & Candles	15	11	11	4	



--- I N D E X ---

Articles	Hard Ore	Lake	Michg.	Imper.	Webster
Packing	26 - 27	13	19	9	
Picks	8		3		
Pipe	16	13	12	5	
Plant	2 - 4	2	1 - 2	1	1
Plugs	21		13	7	
Portable Machinery	47	22	30		
Power Drills	45	21	28		
Powder	34	17	25	12	
Pumps	2	2	2	1	
Rand Drill Supplies	29 - 31	12	20 - 21	9	
Rail	11	9 - 10		4	
Recap. of Inventory	52	24	35	13	
Rope	6	8 - 4			
Rivets	14	9	9		
Scrap	39		27		
Sheaves	28	13			
Shovels	8	4	3	3	
Soap	7	4			
Steel	11 - 12	9	9		
Tees	21	13	13	7	
Ties	34	18	25	12	
Timber	34	18	25	12	
Tools	6 - 8	3	3	3	
Unions	22		17	8	
Valves	24 - 25	13	17 - 18	8 - 9	
Washers	14		9		
Waste	7	4	4	3	
Wire	7	8	4		
Wrenches	9	4	3	3	
Wheels	28			10	

CLEVELAND IRON MINING CO.

Hard Ore Mine Inventory, November 30th-1900.

-----oOo-----

BUILDINGS.

- I Brown Stone Machine, Carpenter and Blacksmith Building,
- I Brown Stone Engine and Boiler House, with Brick Smoke Stack #3
- I Corrugated Brick Enclosed Engine and Boiler House, with Brick Smoke Stack #4
- I Corrugated Brick Enclosed Engine and Boiler House with Brick Smoke Stack #5
- I Stone Engine House #2 not in use.
- I Shaft House, Pocket and Trestle at #3 Mine.
- I Shaft House, Pocket and Trestle at Moro Mine.
- New Pocket Built Last Year.
- I Two Story Frame Warehouse,
- I Frame Round House,
- I Frame Barn,
- I Frame Laboratory,
- I Stone Powder House,
- I Frame Office and Horse Shed,
- 2 Frame Dry Houses, Two Stories,
- I Stone Harness House
- 3I Dwelling Houses
- ( One House Sold in 1889)
- I Dwelling, President's Cottage,
- I Dwelling, Agent's Residence.

HARD ORE MINE.

PLANT.

Engine House #3.

I 6' Hoisting Drum,  
2 22" X 42" Automatic Lane Engines,  
4 8' Hoisting Drums,  
I 10" X 20" Electric Light Engine,  
I 32" Arc Light, Brush Dynamo,  
I Pr. 15" X 30" Rand Air Compressors,  
4 Aid Receivers,  
I Pr. 6" X 6" X 3 3/8" Earl Pump for Feed,  
I #6 Knowles Pump, W.G.M.  
6 6' X 16' Boilers,  
I 40" X 10'8" Heater at Lake Mine,  
I Field Magnet for Dynamo,  
2 Double Brush Lamps,  
18 Single Brush Lamps,  
4 Galvanized Lamp Cones,  
I Heater Pin, #3 from Lake Mine.

Engine House #4.

I 16" X 24" Merritt Engine with Connections, for Cornish Pumps in  
Hard Ore Yard.  
I #7 Earl Pump for Fire,  
I #5 Earl Pump for Feed,  
I 5'8" X 16' Boiler,  
I 5' X 16' Boiler,  
I 18" X 60" Reynolds Corliss Engine, with connections for Cornish  
Pumps from #5 Engine House.

Engine House #5.

2 6' X 18' Boilers,  
1 #5 Knowles Pump,  
1 #8 Blake Pump, now at Moro, Engine House.

✓

P L A N T (Continued)

BLACKSMITH SHOP.

- 1 Two Wheeled 14" Emery Grinder,
- 1 650# Steam Hammer,
- 1 Fagot Furnace,
- 4 Open Forges,
- 1 #4 Fan.

CARPENTER SHOP.

- 1 Boring and Interlocking Machine,
- 1 #2 Universal Trimmer,
- 1 15" Circular Saw Machine,
- 1 36" Band Saw, 1- 26" Emery Grinder.
- 1 20" Wood Lathe,
- 1 20" Planer.

MACHINE SHOP.

- 1 4" Pipe Cutter and Threading Machine,
- 1 8" Pipe Cutter and Threading Machine,
- 1 10" X 10" Westinghouse Engine,
- 1 20" Two-Wheel Emery Grinder,
- 1 30" One-Wheel Emery Grinder,
- 1 Center Drill Machine,
- 1 30" Drilling Machine,
- 1 12" Drill Press,
- 1 #2 Twist Drill Grinder,
- 1 Bolt cutter in Yard (No Good)
- 1 2" Bolt Cutter,
- 1 24" Shaper,
- 1 24" X 24" X 5' Planer at Cliffs Shaft.
- 1 15" Engine Lathe
- 1 20" Engine Lathe at Cliffs Shaft.
- 1 24" Engine Lathe
- 1 26" Engine Lathe

MACHINE SHOP (Continued).

1 36" Engine Lathe

1 Engine Lathe (S. Hoar)

1 Large Planer at Shop, Belongs to Cliffs Shaft.

1 Star Power Hack Saw.

Hard Ore Mine.GENERAL SUPPLIES.

21# Babbitt, Diamond	.24	5.04
25# Metal, Magnolia	.22	5.50
106 Babbitt, Genuine	.40	42.40
2 Prs. Blankets, Double	2.25	4.50
2 Warehouse Brooms	4.25 Doz.	.70
14 Burners, #2 Leader	2.30 Doz.	2.68
1 Burner, Lantern	.70 Doz.	.07
16 Burners, #3 Street Lamp	3.80	5.07
13 1800/2000 Tons Coke	5.45	75.75
41 1500/2000 Tons Coal, Blossburg	4.20	175.35
13# Chain	.04 $\frac{1}{2}$	.59
37 Chimneys, Leader	.60 Doz.	1.85
10 Chimneys, #2 Rochester	.85 "	.71
64 Chimneys, #3 Rochester	1.90	10.13
$\frac{1}{4}$ Gross Chalk	.60	.15
17# Sheet Copper	.12	2.04
55 Spring Cotters	.00 $\frac{1}{2}$	.28
15 Cans, 1 Gal.	2.75 Doz.	3.43
7 Cans, 2 Gal.	4.00 "	2.33
8 Drawer Pulls	.01 $\frac{3}{4}$	.14
48 Sheets Emery Cloth	.03	1.44
27# Emery, Ground	.10	2.70
49# Friction Paper	.08	3.92
32 Insulators	.02	.64
78 Pins	.02	1.56
1 Rocker Bar	2.00	2.00
10 Commutators	.50	5.00
7 Clutches	.35	2.45
2 Blasting Battery Cases	2.50	5.00
3 Each, 10 & 11 Frame	.75	2.25
5 Each, 13 & 14 Spindle Heads	.75	3.75

5  
Amount For'd

373.42

Hard Ore Mine.

GENERAL SUPPLIES (CONTINUED).

	Amount For'd		373.42
8 Pinions	.50	4.00	
2 Guide Plates	.35	.70	
1 Guide Rod	.65	.65	
8 Guide Yokes	.20	1.60	
1 Brass Stud	.10	.10	
3 Electric Bell Switches	.25	.75	
8 Yoke Screws	.10	.80	
2 Yokes	.20	.40	
1 Shunt Spring	.20	.20	
6 Spindle Screws	.03	.18	
28 Hand Grenades			
1 Stove Grate	.25	.25	
1 Stove Grate		1.83	
8 Globes, Lantern	.60 Doz.	.40	
3 Globes, Street Lamp	.40	1.20	
4 Lanterns	.35	1.40	
20' Ladders	.05	1.00	
42' Ladders	.03	1.26	
2# Marline	.12	.24	
16 Time Books, Large	.30	4.80	
3 Time Books, Small	.20	.60	
1 Book, Memorandum	.20	.20	
166# Manilla Rope	.10 $\frac{1}{4}$	17.00	
150# Manilla Rope( $\frac{1}{2}$ Price)	.06	9.00	
275' 1" Lang Lay Steel Rope	.15 $\frac{3}{4}$	43.31	
1122' 1 $\frac{1}{4}$ " Lang Lay Steel Rope	.23 $\frac{3}{4}$	266.48	
1235' 1 $\frac{1}{4}$ " Lang Lay Steel Rope	.09	111.15	
2 Squirt Cans	2.50 Doz.	.42	469.92
	Total	469.92	

Amount For'd

843.34

Hard Ore Mine.

GENERAL SUPPLIES (CONTINUED).

	Amount For'd		843.34
1 - 1 Qt. Galvanized Oiler		.25	
12 Sheets Sand Paper	.00½	.06	
229# Sal Soda	.90	2.06	
200# Chloride of Lime		5.91	
175# Ammonia Soap	.06	10.50	
1 Caboose Stove		6.00	
1 Large Caste Stove		10.00	
38# Ivory Soap	.10	3.80	
1# Swede Tacks		.12	
2 Porcelain Shades	.25	.50	
5# Welding Compound	.15	.75	
15 Doz. Wicks	.05	.75	
5 Doz. Rochester Wicks	.25	1.25	
7# Candles	.20	1.40	
30# Brass Spring Wire	.35	10.50	
2½# Stove Pipe Wire	.05	.13	
6# Steel Wire	.10	.60	
90# Colored Waste	.05	4.50	
51# White Waste	.06½	3.32	
7# Brass Rods	.25	1.75	
18 - 16 C.P. Incandescent Lamps	.25	4.50	
14 - 32 C.P. Incandescent Lamps	.50	7.00	
7 - 50 C.P. Incandescent Lamps	.75	5.25	
132# Pig Lead	.05½	7.26	
1 Fibre Pail		.30	
1 Squirrel Cage		3.00	
12 - 3/4" Single Iron Blocks	.50	6.00	
1 - 3/4" Double Iron Block		.80	
17# Green Seal Anti Oil Powder	.38	6.46	
12 Crow Foot Zincs	.27	3.24	
12 Crow Foot Coppers	.08	.96	108.92
	Total	108.92	

Amount For'd

952.26



Hard Ore Mine.

GENERAL SUPPLIES (CONTINUED).

	Amount For'd		952.26
9 Bogs Char Coal	.60	5.40	
15# Antimony	.15	2.25	
1 Telephone #20 Bridged, 1000 Ohms Complete		12.50	
3 Telephones Constructed for Mine Work	14.50	43.50	
85½# No. 14 Weather Proof Wire	.26½	22.66	
Freight on Telephones & Wire		2.45	
1 Barrel Salt		1.10	
1 Axe, Broad		1.00	
1 Hammer, Masons		.75	
5 Hammers, Mason	.75	3.75	
1 Hammer, Striking		1.00	
9 Hammers, Small	.50	4.50	
1 Sledge, B.S.		2.00	
2 Sledges, Large (Old)	1.50	3.00	
52 Handles, R.R. Pick	1.25 Doz.	5.42	
13 Handles, Sledge	1.20 "	1.30	
52 Handles, Poll Pick	1.10	4.77	
36 Handles, Hammer	.90 "	2.70	
5 Handles, Single Bit Axe	1.25	.52	
5 Picks, Mason	.75	3.75	
10 Picks, Poll (Old)	.75	7.50	
25 Picks, Rock	.50	12.50	
26 Picks, Rock (Old)	.25	6.50	
21 Picks, R.R. (Old)	.75	15.75	
15 Shovels, Round Point (Old)	.20	3.00	
3 Shovels, Square Point Spades	.40	1.20	
20 Sand Pumps	.25	5.00	
43 Scrapers	.25	10.75	186.52
Total		186.52	





IRON CLIFFS CO.

Index to Inventories, November 30th, 1900.

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GENERAL ACCOUNTS.

	CLIFFS SHAFT	SALISBURY	FOSTER.	
Buildings.....	1	1	1	
Plant.....	2 - 3	2		
General Supplies.....	4 - 7	3 - 4		
Iron & Steel.....	8 -16	5		
Oil, Grease and Candles.....	17	6		
Machinery Supplies.....	18 -35	7 -12		
Building Material.....	36 -37	13 -		
Explosives.....	38 -	14 -		
Fuel.....	39 -	15 -		
Mine Timber.....	38 -	15 -		
Barn.....	39 -	16 -		
Antiquated Material.....	40 -	17 -		
Scrap.....	41 -	18 -		
Mine Equipment.....	42 -47	19 -22		
Recapitulation.....	48 -	23 -		

I N D E X .

Articles.	Cliffs Shaft	Salisbury	Foster
Antiquated Material,	40 -	17 -	
Babbitt Metal	4 -	3 -	
Barn Supplies,	39 -	16 -	
Barn Account,	46 -	22 -	
Bolts, Machine	11 -		
Bolts, Carriage	9 -10		
Boilers	2 - 3	2 -	
Brick, Fire	32 -		
Brushes, Dynamo	4 -		
Buildings	1 -	1 -	1 -
Building Material	36 -37	13 -	
Building Paper	36 -		
Bushings,	19 -	7 -	
Cans,	4 -		
Candles,	17 -	6 -	
Carbons, D.D.	4 -	6 -	
Carbons, E.L.	4 -		
Cars, Skips and Derricks,	44 -	21 -	
Carts, Wagons & Sleighs	46 -47	22 -	
Castings,	28 -	12 -	
Castings, Power Drills,	28 -		
Cement	36 -		
Coal, Bloss,	4 -	3 -	
Coal, Steam	39 -	15 -	
Coke	4 -		
Couplings	20 -	7 -	
Crosses,	20 -	7 -	
Crusher, Castings	28 -		
Crusher, Machinery	3 -		
Diamond Drills	42 -		
Dwellings,	1 -	1 -	
Elbows,	21 -	8 -	
Elec. Light Supplies,	4 -		
Emery Wheels,	32 -		
Equipment,	42 -47	19 -22	
Explosives,	38 -	14 -	
Fibre, Vulc.	32 -		
Files,	5 -	4 -	
Fire Clay,	32 -		
Flange Unions,	25 -	8 -	
Fuel,	39 -	15 -	
Gauge, Steam	33 -		
Gear Wheels,	29 -		
General Supplies	4 - 7	3 - 4	
Globes	5 -	3 -	
Grease,	17 -	6 -	
Handles,	5 -	4 -	
Horses	46 -	22 -	
Hose, Air	33 -		
Iron, Assorted	12 -14-15	5 -	
Iron, Roofing	12 -36		
Iron, Swede	15 -		
Iron & Steel	8 -15	5 -	
Lagging	38 -	15 -	
Lamp-Elec.- Supplies	5 -		
Lamps,	5 -	3 -	
Lanterns,	5 -		
Lumber,	36 -37	13 -	

I N D E X .

Articles.	Cliffs Shaft	Salisbury	Foster.
Machinery,	2 - 3	2 -	
Machinery Supplies,	18 -35	7 -12	
Magnolia Metal,	4 -		
Maple	37 -	13 -	
Mine Timber,	38 -	15 -	
Nails,	8 -	5 -	
Nipples,	22 -23	9 -	
Nuts,	12 -	5 -	
Oak,	37 -		
Oil, Grease and Candles	17 -	6 -	
Packing,	31 -32	12 -	
Paints,		13 -	
Picks,	5 -		
Pipe,	18 -	7 -	
Pipe Covering,	29 -30		
Pipe, Assorted	18 -		
Plant,	2 - 3	2 -	1
Plugs,	22 -	9 -	
Portable Machinery,	45 -	20 -	
Powder,	38 -	14 -	
Power Drills,	43 -	19 -	
Pumps,	2 -	2 -	
Pumps, Steam	2 -		
Rail, Steel	12 -	5 -	
Rand Drill Parts,	33 -34		
Recapitulation,	48 -	23 -	
Reducers,	21 -		
Rivets,	8 - 9	5 -	
Rope, Hoisting	6 -	3 -	
Salt	6 -	3 -	
Scrap	41 -	18 -	
Screws, Coach	11 -		
Shovels	6 -	4 -	
Sheaves	33 -	12 -	
Shafting,	16 -		
Spikes,	8 -	5 -	
Steel, Assorted	13 -14	5 -	
Steel, Machinery	13 -14	5 -	
Stop Cocks	19 -		
Tees	23 -	10-	
Ties	38 -		
Tools	5 -	3 - 4	
Timber	38 -	15 -	
Unions	24 -	10 -	
Valves	26 -27	11 -	
Valves, Rubber	32 -		
Waste	6 -	3 -	
Washers,	8 -	5 -	
Wind Bores	27 -		
Wheels	29 -		

IRON CLIFFS CO.

Cliffs Shaft Mine Inventory, November 30th, 1900.

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BUILDINGS.

- 1 Stone Engine House
- 1 Stone Boiler House
- 1 Brick Smoke Stack
- 1 Steel Smoke Stack
- 1 Stone Blacksmith and Machine Shop
- 1 Stone Mine Office Laboratory
- 1 Frame Carpenter Shop
- 1 Frame Warehouse Building
- 1 Frame Dry House
- 1 Frame Barn
- 1 Frame Crusher House
- 1 Frame Engine House
- 2 Frame Shaft Houses
- 2 Double Ore Pockets(Combined)
- 2 Single Ore Pockets - "A" & "B"
- 1 Trestle "A" Shaft to Single Pocket
- 1 Trestle "B" Shaft to Single Pocket
- 1 Trestle "A" Shaft to Crusher Pocket
- 1 Trestle "B" to Crusher Pocket
- 1 Trestle Crusher to Double Pocket
- 1 Trestle Double Pocket to Stocking Ground
- 1 Coal Shed - 5000 Tons Capacity
- 1 House - Mining Captain
- 1 House - Auditor
- 4 Double Dwellings
- 4 Single Dwellings
- 1 Boarding House Built in 1899

Cliffs Shaft Mine.

P L A N T .

En gine House.

- 1 - 28" X 36" Hoisting Engine with two 10' Drums carrying 2900' of  
1½" Steel Wire Rope (1400 + 1700 =3100)
- 1 - 28" X 36" Pumping Engine with three 14" and one 20" Plungers,  
12 X 12 Pump Rods and Carriers Complete
- 2 - 16" X 36" Duplex Rand Air Compressors with 2 - 48" and 24" Air  
Receivers connected with Air Pipes from Receivers to Bottom of  
"A" and "B" Shafts
- 1 - #8 Knowles Pump (Engine House)
- 1 - Duplex Worthington Fire Pump
- 1 Electric Light Plant with 25 Arc Lights(3 Bought Oct./1900)
- ✓ 8 - 60" Boilers Complete
- 2 - #5 Knowles Feed Pumps(Boiler House)
- 2 - 7 X 10 Duplex Engines "Puffers"
- 500'- 2½ Rubber Fire Hose \$550.00
- 1 - Nozzle 7.00
- 1 - Hose Cart 7.00

FROM OLD BARNUM ENGINE HOUSE.

- ✓ 1 - 60" Boiler Cleveland Yard
- ✓ 1 - 60" Boiler Salisbury
- 2 - Drums - Scrap
- 1511'- 7/8" Wire <sup>rope</sup> on Drums - Foster

✓



Cliffs Shaft Mine.

P L A N T .

En gine House.

- 1 - 28" X 36" Hoisting Engine with two 10' Drums carrying 2900' of 1½" Steel Wire Rope (1400 + 1700 =3100)
- 1 - 28" X 36" Pumping Engine with three 14" and one 20" Plungers, 12 X 12 Pump Rods and Carriers Complete
- 2 - 16" X 36" Duplex Rand Air Compressors with 2 - 48" and 24" Air Receivers connected with Air Pipes from Receivers to Bottom of "A" and "B" Shafts
- 1 - #8 Knowles Pump (Engine House)
- 1 - Duplex Worthington Fire Pump
- 1 Electric Light Plant with 25 Arc Lights(3 Bought Oct./1900)
- ✓ 8 - 60" Boilers Complete
- 2 - #5 Knowles Feed Pumps(Boiler House)
- 2 - 7 X 10 Duplex Engines "Puffers"
- 500'- 2½ Rubber Fire Hose      \$550.00
- 1 - Nozzle                              7.00
- 1 - Hose Cart                              7.00

FROM OLD BARNUM ENGINE HOUSE.

- ✓ 1 - 60" Boiler Cleveland Yard
- ✓ 1 - 60" Boiler Salisbury
- 2 - Drums - Scrap
- 1511'- 7/8" Wire <sup>rope</sup> on Drums - Foster

✓

Cliffs Shaft Mine.

P L A N T .

Crusher.

- 1 - 20 X 30 Engine and Shafting
- 1 - Hodge Crusher
- 1 - Holley Crusher
- 1 - Gates Sample Crusher (Bought New 9/1900)
- 1 - Conveyor Engine with Set of Buckets Complete

OLD BOILER HOUSE.

- 1 - 14" X 48" Corliss Engine
- 1 - Water Heater for Boiler
- 1 - Old Iron Smoke Stack

3

Cliffs Shaft Mine.

GENERAL SUPPLIES.

2½ Sets Brushes, Dynamo	.10	
	.15	1.50
2 Sets Brushes, Holders	.72	1.44
10/12 Doz. Burners, Eureka	.90	.75
85# Babbitt, Genuine	.40	34.00
658# Babbitt, Magnolia	.22	144.76
¼ Doz. Brooms	.40	1.20
3 7/12 " Time Books - Large	4.00	14.34
11 1/3 " Time Books - Small	2.30	26.07
1/6 " Order Books		.50 .60
Repairs to Batteries, Blasting		12.50
275 - 29/64 Kts. Carbon	43.97+	12110.62
64 - 19/64 Kts. Carbon Small	10.00	642.96
42 - Top Carbon Holders	.33	13.86
43 - Carbon Holders, Bottom	.24	10.32
22 - Carbon Holders, Top	.15	3.30
9 9/12 - Doz. Rochester Chimneys	.85	8.29
1 5/12 - Doz. #2 Rochester Chimneys	.90	1.28
1/6 - Doz. #2 Peazl Top Chimneys		.15
1 - 10 Gal. W.J. Can		.75
1 - 5 Gal. W.J. Can		.25
¼ - Doz. ½ Pint Squirt Cans	2.50	.63
5 - 1 Pint Squirt Cans	2.00	.84
60 - ¼ X 2" Cotters, Spring		.30
½ - Box Blue Chalk		.18
24 - Brass Checks	1.25	.30
100 Electric Light Carbons		1.00
41 200/2000# Tons Coke	5.40	221.94
38 630/2000 Tons Blossburg Coal	4.10	157.09
1 - Base Burner		1.00
1 - Soft Coal Stove		<u>.50</u>
	Total	13412.72

GENERAL SUPPLIES (CONTINUED).

7/12 - Doz. 10" Mill Bastard Files	1.47	.86	
3/4 - Doz. 12" " " "	1.95	1.46	
2 3/4 - Doz. 14" " " "	2.79	7.67	
1/2 - Doz. 16" " " "	3.84	.96	
1 - Doz. 12" Flat Bastard Files		2.52	
2 3/4 - Doz. 14" " " "	3.48	9.28	
10/12 - Doz. 16" " " "	4.65	3.87	
1/3 - Doz. 14" Half Round	4.05	1.35	
1/4 - Doz. 4" Taper	.66	.16	.16
2/3 - Doz. 6" " "	1.02	.68	
1 - Doz. 7" " "	1.29	1.29	
1 10/12 - Doz. 12" " "	2.85	5.23	
1 1/4 - Opal Globes	5.00	6.25	
2/3 - Doz. Clear Globes	4.50	3.00	
1/6 - Doz. Lanterns, Globes	.60	.10	
5/12 - Doz. Sheet Lamp Globes	6.00	2.50	
2 - Only, Adze Handles	.12	.24	
2 7/12 - Doz. Sledges	1.20	3.10	
2 - Doz. Sledges (Sweet)	1.62 1/2	3.25	
1 1/6 - Doz. Striking Hammers	.70	.82	
2 - Doz. Poll Picks	1.10	2.20	
2 1/2 - Doz. Axe Handles	1.25	3.12	
1 - Pr. Hooks 4 Chains Attached			
1 - Rail, Jim Crane		15.00	
1 - 2 X 12 Locomotive Screen		2.50	
8 - #2 1010 Lamp Parts .75 10%		5.40	
1 - Square Lantern		1.00	
4 - #2 Buhl Lanterns		2.17	
1 - Only, I.E.S. Lamp		.15	
1 Set Lacing Tools		5.85	
110# Pig Lead	.03 1/4	3.85	
3/4# Trot Line	.40	.30	
20 Pkgs. 1776 Washing Powder	.05	1.00	97.13
5 Total For'd			13509.85

Amount For'd

13509.85

GENERAL SUPPLIES (CONTINUED).

3 Fiber Pails	.31	.93	
3 Wooden Pails	2.50 Doz.	.62	
4 Joints, 8" Stove Pipe		1.25	
1 - 5 Gal. Dope Pail and Cover		.25	
9 Lengths Sewer Pipe 18'	.10 $\frac{1}{2}$	1.89	
8 Rods (Electric Light)	.35	2.80	
41# - 3/4 Manilla Rope	.12	4.92	
475' - 5/8" Steel Wire Rope	.098	46.55	
1800' - 1 $\frac{1}{4}$ " Crucible Wire .46 30%		579.60	
420' - 1 $\frac{1}{2}$ " Wire Rope Old			
1416' - 1 1/8" Wire Rope Old			
111' - 5/8" Wire Rope Old			
171' - 3/8" Wire Rope Old			
84 Ladder Rounds		1.51	
8 Switches E.L.	.25	2.00	
$\frac{1}{4}$ Doz. I.E.S. Rd. Pt. Shovels	9.00	2.25	
2 Steel Snow Shovels #172		1.53	
3 Square Paint Shovels	.65	1.95	
1 L.H. Round Paint Shovel		.75	
1 L.H. Square Paint Shovel		.85	
335# Sal. Soda	.90	3.02	
72 Barrells Salt	1.10	79.20	
7 Gasolene Torches		11.08	
7# Card Tacks	.15	1.05	
1 Chain Bar		1.50	
156# Steel Bars	.05 $\frac{1}{2}$	8.58	
190# Colored Waste	.04 3/4	9.03	
85# White Waste	.07	5.95	
1 - 60" Bellows N.G.		1.00	
1 Portable Forge		5.00	
2 Prs. Ice Tongs			
8 - 1 Qt. Galvanized Oilers	.25	2.00	842.06

Cliffs Shaft Mine.

Amount For'd

14351.91

GENERAL SUPPLIES (CONTINUED)

1 Doz. #3 Wicks		.20	
1 Doz. Lantern Wicks		.10	
10/12 " Round Wicks		.30	
1 1/2# Candle Wicking		.27	
726 Sq. Ft. #4 <sup>Galvanized</sup> <del>Explosive</del> Wire Cloth	.08	58.08	
12 Wheelbarrows	2.00	24.00	
1 - 350 Page Invoice Book		3.00	85.95

Total General Supplies

14437.86

Cliffs Shaft Mine.

I R O N & S T E E L .

74 Kegs	60d Nails	3.00	222.00
3 Kegs	40d "	3.00	9.00
520#	20d "	3.30	17.16
11 Kegs	10d "	3.50	38.50
260#	8d "	3.50	9.10
178#	6d "	3.90	6.94
193#	4d "	3.80	7.33
83#	3d "	3.80	3.15
220#	10d " Casing	3.45	7.59
140#	8d " "	3.55	4.97
165#	8" X 3/8" Boat Spikes	4.75	3.92
80#	4 1/2" X 7/16" R.R. "	5.60	2.24
135#	3 1/2" X 7/16" R.R. "	5.80	3.91
130#	Cut Washers	.03 1/2	4.55
73#	1 1/4 Washers	.03	2.19
67#	1" Cast Washers	.01 3/4	1.17
100#	3/8 X 3/4 Burden Rivets		
50#	3/8 X 1 " "		
58#	3/8 X 1 1/4 " "		
84#	3/8 X 1 3/4 " "		
85#	3/4 X 1 3/4 " "		
165#	3/4 X 2 " "		
37#	3/4 X 2 1/2 " "		
<u>190#</u>	Assorted		
769#	" "	@ .04	<u>30.76</u>

Amount For'd

374.48

8

IRON & STEEL (CONTINUED).

3#	5/8 X 1	Burden Rivets		
82#	5/8 X 1 $\frac{1}{4}$	" "		
93#	5/8 X 1 $\frac{1}{2}$	" "		
122#	5/8 X 2	" "		
98#	5/8 X 2 $\frac{1}{4}$	" "		
74#	5/8 X 2 $\frac{1}{2}$	" "		
100#	5/8 X 2 $\frac{3}{4}$	" "		
<u>125#</u>	5/8 X 3	" "		
697#			@ .04 $\frac{1}{2}$	29.62
50	$\frac{1}{4}$ " X 1 $\frac{1}{4}$ "	Carriage Bolts	1.00	.50
25	$\frac{1}{4}$ " X 2 $\frac{1}{2}$ "	" "	1.16	.29
30	5/16 X 1 $\frac{3}{4}$	" "	1.25	.37
50	5/16 X 2 $\frac{1}{2}$ "	" "	1.40	.70
30	5/16 X 3"	" "	1.50	.45
10	5/16 X 4 $\frac{1}{2}$ "	" "	1.80	.18
20	5/16 X 5 $\frac{1}{2}$ "	" "	2.00	.40
30	3/8" X 1 $\frac{1}{2}$ "	" "	1.50	.45
34	3/8" X 2"	" "	1.50	.51
90	3/8" X 2 $\frac{1}{4}$ "	" "	1.57	1.41
150	3/8" X 2 $\frac{1}{2}$ "	" "	1.64	2.46
125	3/8" X 2 $\frac{3}{4}$	" "	1.71	2.14
40	3/8" X 3"	" "	1.78	.71
60	3/8" X 3 $\frac{1}{4}$ "	" "	1.85	1.11
50	3 $\frac{1}{2}$ " X 3/8"	" "	1.92	.96
350	3/8" X 4"	" "	2.06	7.21
300	3/8" X 4 $\frac{1}{2}$ "	" "	2.20	6.60
390	3/8" X 5"	" "	2.34	9.13
200	3/8" X 5 $\frac{1}{2}$ "	" "	2.48	4.96
225	3/8" X 6"	" "	2.62	5.90
				<hr/> 46.44



Cliffs Shaft Mine.

Amount For'd                      46.44                      404.10

IRON & STEEL (CONTINUED).

125	3/8" X 6 1/2" Carriage Bolts	2.76	3.45	
90	3/8" X 7"                      "                      "	2.90	2.61	
325	1/2" X 1 1/2"                      "                      "	3.00	9.75	
150	1/2" X 2"                      "                      "	3.00	4.50	
525	1/2" X 2 1/2"                      "                      "	3.00	15.75	
100	1/2" X 3"                      "                      "	3.00	3.00	
50	1/2" X 4"                      "                      "	3.40	1.70	
200	1/2" X 4 1/2"                      "                      "	3.60	7.20	
50	1/2" X 5"                      "                      "	3.80	1.90	
250	1/2" X 5 1/2"                      "                      "	4.00	10.00	
450	1/2" X 6"                      "                      "	4.20	18.90	
150	1/2" X 7"                      "                      "	4.60	6.90	
			<hr/>	
			132.10	
		Less 70 & 10%	<hr/>	
			96.43	35.67
			<hr/>	
		Total For'd		439.77

10

Cliffs Shaft Mine.

Amount For'd

439.77

IRON & STEEL (CONTINUED).

15	3/8" X 1½"	Machine Bolts	2.40	.36
150	3/8" X 2½"	" "	2.64	3.96
100	3/8" X 3"	" "	2.76	2.76
90	½" X 1½"	" "	3.60	3.24
70	½" X 2"	" "	3.80	2.66
70	½" X 2½"	" "	4.00	2.80
200	½" X 3"	" "	4.20	8.40
100	½" X 3½"	" "	4.40	4.40
25	½" X 4½"	" "	4.80	1.20
50	½" X 6"	" "	5.40	2.70
100	5/8" X 1"	" "	5.20	5.20
90	5/8" X 1½"	" "	5.20	4.68
175	5/8" X 2"	" "	5.50	9.63
50	5/8" X 2½"	" "	5.80	2.90
160	5/8" X 3"	" "	6.10	9.76
30	5/8" X 3½"	" "	6.40	1.92
200	5/8" X 4"	#	6.70	13.40
25	5/8" X 4½"	" "	7.00	1.75
60	5/8" X 5"	" "	7.30	4.38
60	5/8" X 5½"	" "	7.60	4.56
275	5/8" X 6"	" "	7.90	21.72
100	3/4" X 2"	" "	7.64	7.64
100	3/4" X 2½"	" "	8.08	8.08
100	3/4" X 3"	" "	8.52	8.52
100	3/4" X 3½"	" "	8.96	8.96
25	3/4" X 3 3/4"	" "	9.40	2.35
75	3/4" X 4"	" "	9.40	7.05
50	3/4" X 8"	" "	12.92	6.46
				<u>161.41</u>
		Less 75 & 10%		<u>125.12</u>
				36.32
75	½" X 3"	Coach Screws	4.83	3.62
360	5/8" X 3"	" "	6.00	21.60
325	5/8" X 3"	" "	8.00	26.00
100	3/4" X 8"	" "	15.60	15.60
				<u>66.82</u>
		Less 75 & 10%		<u>51.79</u>
				15.03
				<u>51.79</u>
				15.03

11 Total

491.12

Cliffs Shaft Mine.

IRON & STEEL (CONTINUED).

		Amount For'd	491.12
68#	- 1/2" Hexagon Nuts, Blank		
30#	- 5/8" " " "		
238#	- 1 1/8" " " "		
15#	- 1/4" Square Nuts		
10#	- 3/4" " " "		
11#	- 7/8" " " "		
15#	- 1" " " "		
<u>14#</u>	<u>- 1 1/8" " " "</u>		
401#			20.05
5#	- 1/2" Hexagon Nuts, Tapped		
7#	- 5/8" " " "		
24#	- 3/4" " " "		
2#	- 1" " " "		
28#	- 1 1/8" " " "		
42#	- 1 1/4" " " "		
17#	- 1 1/2" " " "		
87#	- 7/8" Square " "		
53#	- 1" " " "		
79#	- 1 1/8" " " "		
21	- 1 1/2" " " "		
<u>27#</u>	<u>- Assorted</u>		
392#			27.44
35#	- 1 1/8" Chuck Bolt Nuts IO/54		3.69
4911#	- Merchant Bar Iron	1.95 1/2	96.02
1	- Piece Angle Iron 2 X 2 X 1/4		
	73#	.03	2.19
2	- " " " 3 x 3 x 3/8		
	247#	1.75	4.32
1	- " " " 3 X 4 X 3/8		
	259#	1/45	3.76
1	- Box 3/8 X 6 Charcoal Iron		
	107#	.02	2.14
1	- Channel 12" X 3" X 15' 458#	1.48 1/2	6.80
3	- Pieces "I" Beam Iron 258#	.02	5.16
48	- Pieces 30# Rail 9' Long		
	C. Pump	.88 1/2	42.48
4	- Sheets Galvanized Corrugated Iron		

12 Total For'd

705.17

Cliffs Shaft Mine.

IRON & STEEL (CONTINUED).

			Amount For'd	705/17
1	Bar 3/4" Oct. Steel	16#	.07½	1.20
9	" 7/8" B.D. Steel	225#		
36	" 1" B.D. Steel	1266#		
1	" 1 1/8" " "	64#		
		<u>1555#</u>	.07¼	112.74
5	" 1¼" H.B. Steel	310#	.06	18.60
1	" 5/8" X 1" Lathe	7#		
1	" 3/4" X 1" "	27#		
1	" 7/8" X 2" "	51		
		<u>85#</u>	.12½	10.62
3	" 3¼" Sq. Sledge Steel	920#	.08 3/4	80.50
	Lot of 1/16" X 1 7/8" S			
	Spring Steel	226#	.10	22.60
1	" 3½" Rd. Machine Steel	562#		
1	" 4" " "	" 700		
		<u>1262#</u>	4.30	54.27
1	" 3/4" Round S.M. Steel	46#		
2	" 7/8" " " " "	60		
2	" 1" " " " "	79		
1	" 1 3/16" " " " "	14		
2	" 1¼" " " " "	233		
4	" 1 3/8" " " " "	235		
2	" 1 3/4" " " " "	313		
2	" 1½" " " " "	193		
2	" 2" " " " "	383		
1	" 2¼" " " " "	333		
1	" 2½" " " " "	23		
2	" 3" " " " "	841		
		<u>2753#</u>	.04	110.12
14	" 5/8" Square Steel	14		
1	" 3/4" " " "	8		
1	" 7/8" " " "	6		
1	" 1 X 3½" " " "	58		
		<u>86#</u>	:04½	3.44
2	" 5/8" Rd. S. M. Steel	35#		
1	" 1½" X 2" " " "	154#	:04¼	6.53
			Total	<u>422.19</u>

Cliffs Shaft Mine.

IRON & STEEL (CONTINUED).

		Amount For'd	1127.36
1	Bar $\frac{1}{4}$ " X 4" Machine Steel 45#		
1	" 1" X $3\frac{1}{2}$ " " " 105		
1	" $1\frac{1}{4}$ " X 4" " " 132		
2	" 1 $\frac{5}{8}$ " X 3" " 280		
2	" 1 $\frac{3}{4}$ " X $3\frac{1}{2}$ " " 340		
1	" $2\frac{1}{2}$ " X $3\frac{1}{2}$ " " " 310		
9	" $\frac{3}{4}$ " Rd. " " 128		
1	" 1" " " " 20		
11	" $1\frac{1}{4}$ " " " " 509		
1	" $1\frac{1}{2}$ " " " " 68		
6	" 1 $\frac{5}{8}$ " " " " 542		
5	" 1 $\frac{3}{4}$ " " " " 661		
1	" $2\frac{1}{2}$ " " " " 127		
9	" $\frac{7}{8}$ " Sq. " " 202		
		<u>3469#</u>	
		.02 $\frac{1}{2}$	86.72
640	" Scrap Steel	.01	6.40
12	Bars $\frac{5}{8}$ " Rd. Low Moor Iron 158#		
11	" $\frac{3}{4}$ " " " " " 251		
23	" $\frac{7}{8}$ " " " " " 650		
6	" 1" " " " " 246		
7	" 1 $\frac{1}{8}$ " " " " " 364		
1	" $1\frac{1}{4}$ " " " " " 68		
2	" $2\frac{1}{2}$ " " " " " 219		
2	" 1 $\frac{5}{8}$ " " " " " 203		
2	" 1 $\frac{3}{4}$ " " " " " 262		
1	" 2" " " " " 103		
		<u>2524#</u>	
		.07 $\frac{1}{2}$	<u>189.30</u>
		Total	282.42
			<u>282.42</u>
		Amount For'd	1409.78

Cliffs Shaft Mine.

IRON & STEEL (CONTINUED).

						Amount For'd	1409.78
27	Bars	3/8"	Rd.	Low Moor	Iron	158#	
40	"	5/8"	"	"	"	590	
1	"	1 1/4"	"	"	"	60	
4	"	1 3/8"	"	"	"	452	
5	"	1 1/2"	"	"	"	456	
4	"	1 5/8"	"	"	"	345	
3	"	1 3/4"	"	"	"	327	
						<hr/>	
						2326#	.07 3/4 180.27
14	"	1/2"	"	"	"	113	8.13 9.19
1	Bar	2"	Sq.	Swedes	Iron	67#	
1	"	4"	"	"	"	239	
1	"	1 X 3 1/2"	"	"	"	65	
1	"	3/4 X 2 1/2"	"	"	"	60	
1	"	2" X 4"	"	"	"	99	
						<hr/>	
						530#	.04 21.20
3	"	1 5/8"	Rd.	"	"	335	.041 13.73
8	"	3/4"	"	"	"	175	
8	"	7/8"	"	"	"	245	
2	"	1"	"	"	"	68	
1	"	1 1/8"	"	"	"	45	
						<hr/>	
						533#	.042 22.39
8	"	5/8"	"	"	"	96	
3	"	2"	"	"	"	421	
						<hr/>	
						517#	.043 22.23
6	"	1/2"	"	"	"	40#	.044 1.76 270.77
						<hr/>	
						Total	270.77

Cliffs Shaft Mine.

IRON & STEEL (CONTINUED).

Amount For'd

1680.55

2 Bars 1 5/16" Cold Rolled Shafting  
399#

4 " 1 1/2" " " " 495

4 " 1 3/4" " " " 660

1554#

.04 1/2

69.93

2 " 1" " " " 107#

4 " 1 1/4" " " " 331

438#

4.95

21.68

91.61

Total

91.61

Total Iron & Steel

1772.16

Cliffs Shaft Mine.

OIL, GREASE and CANDLES.

52 Gals. Cyl. Oil	.23	11.96
276 " " "	.26	71.76
52.2 " Air Cyl. Oil	.26	13.57
99 " Zeno Black Oil	.11½	12.37
20 " 15° C.T. Blk. Oil	.11½	2.30
160 Red Eng. Oil	.14	22.40
28 Gals. Kerosene Oil	.12	3.36
¼ Barrel Cable Shield 63#	.08	5.04
2/3 Barrel 183#	.08	14.64
180# Axle Grease	.02	3.60
50# Albany Compound	.17	8.50
4788# Candles	.09	<u>430.92</u>

Total Oil, Grease & Candles 600.42

54 Empty Oil Barrels .30 16.20

Total 616.62

17



Cliffs Shaft Mine.

MACHINERY SUPPLIES.

14' - 5" X $\frac{1}{4}$ " Black Pipe	.05 $\frac{1}{2}$	.79	
48' - 7" X $\frac{3}{8}$ " " "	.05 $\frac{1}{2}$	2.67	
49' - 5" X $\frac{1}{2}$ " " "	.08 $\frac{1}{2}$	4.20	
67' - 4" X $1\frac{1}{4}$ " " "	.22	14.81	
130' - 1" X $1\frac{1}{2}$ " " "	.27	35.12	
15' - 9" X 2" " "	.36	5.67	
161' - 6" X $2\frac{1}{2}$ " " "	.57 $\frac{1}{2}$	92.87	
		<u>156.13</u>	
	Less 67 $\frac{1}{2}$ %	<u>105.39</u>	50.74
92' - 6" X 1" Galv. Pipe	.26	24.05	
	Less 50 & 5%		11.42
103' - Extra Strong Pipe	20.41		21.04
30' - 15" Galv. Spiral Pipe, Flanged	2.10	63.00	
	Less 75%	<u>47.25</u>	15.75
105' - 3" Galv. Spiral Pipe			
1 - Piece Extra Strong Pipe,			
1 $\frac{7}{16}$ X 1 $\frac{14}{16}$ =15'	.24		3.60
1- Piece Steel Tubing, 1 $\frac{3}{16}$			
X 1 $\frac{13}{16}$ = 13'3"	1.93		<u>25.57</u>
			128.12
	Total For'd		128.12

18

Cliffs Shaft Mine.

MACHINERY SUPPLIES (CONTINUED).

			Amount For'd	128.12
21	½"	Bushings	.04	.84
50	¾"	"	.05	2.50
13	1"	"	.06	.78
13	1¼"	"	.07	.91
46	1½"	"	.09	4.14
120	2"	"	.14	16.80
25	2½"	"	.21	5.25
8	3"	"	.30	2.40
1	3½"	"	.40	.40
3	4"	"	.50	1.50
12	5"	"	.92	11.04
2	6"	"	1.25	<u>2.50</u>
				49.06
		Less 75 - 10 & 5%	<u>38.57</u>	10.49
5	¾"	Iron Stop Cocks	1.05	5.25
5	1¼"	" " "	1.60	8.00
30	1½"	" " "	1.95	58.50
12	2"	" " "	2.70	<u>32.40</u>
				104.15
		Less 75 & 5%	<u>79.41</u>	24.74
78	1"	Stop Cocks, Brass Plugs & Washers	6.16 Net	<u>48.05</u>
			Total	<u>283.28</u>

19  
Amount For'd

211.40

Cliffs Shaft Mine.

MACHINERY SUPPLIES (CONTINUED).

			Amount For'd		211.40
6	¼"	Couplings	.05	.30	
3	3/8"	"	.06	.18	
26	½"	"	.07	1.82	
53	3/4"	"	.10	5.30	
65	1"	"	.13	8.45	
11	1¼"	"	.17	1.87	
11	1½"	"	.21	2.31	
85	2"	"	.28	23.80	
17	2½"	"	.40	6.80	
1	3"	"	.60	.60	
7	4"	"	1.00	7.00	
				<hr/>	
				58.43	
4	5"	"	1.65	6.60	
1	6"	"		2.40	
1	7"	"		3.25	
6	8"	"	4.25	25.50	
7	12"	"	10.00	70.00	
				<hr/>	
				107.75	
				<hr/>	
				58.43	
				<hr/>	
				166.18	
Less 70 & 5%			<hr/>	118.82	47.36
1	1¼"	Cross		.42	
1	1½"	"		.53	
1	2"	"		.75	
1	2½"	"		1.30	
1	3"	"		2.00	
3	4"	"	3.15	9.45	
2	5"	"	5.50	11.00	
				<hr/>	
				25.45	
Less 75 & 5%			<hr/>	59.41	6.04
				<hr/>	
				Total	<hr/>
					53.40