

---I N D E X---

Article	Michigamme	Imperial	Maas	Ashland
Anvils - - - - -	2			
Antiquated Supplies - - - - -			16	
Babbitt - - - - -		2	3	4
Barn - - - - -		11		28
Barrows - - - - -	1			3
Bells - - - - -	1			5
Belting - - - - -	4,6,12			
Blasting Batteries - - - - -	2			
Blocks - - - - -	1		4	5,6
Buildings - - - - -	12	1	1	1
Building Material - - - - -	10	9	15 -- 16	23 -- 25
Bushings - - - - -	7	6	11	17,21
Brisk, - - - - -		7		
Brooms - - - - -				4
Bolts - - - - -	4		6	10,-- 13
Candles - - - - -			8	14
Cans - - - - -	1		2	4
Cars Skips & Derricks - - - - -	10			32
Chain, Old - - - - -	1			
Couplings - - - - -	8	5	10	16,17
Crusher - - - - -	12			
Cups - - - - -	4			
Carts, Wagons & Sleighs - - - - -		11		33
Chimneys - - - - -		2		3
Coal, Blossburg - - - - -		10		5
Coal, Steam - - - - -		10	16	27
Cocks, - - - - -	5,6	6	18	20
Dies - - - - -	1,2			
Drills - - - - -	11			
Drill Supplies - - - - -	11			20,21
Diamond Drills - - - - -				28,29
Elbows - - - - -	8	4	10	18
Electrical Supplies - - - - -	1		4	4,5,6
Equipment - - - - -	10 -- 12			
Explosives - - - - -			16	26
Fibre - - - - -				15
Filters - - - - -	1			
Flanges - - - - -	8	4	9 -- 10	
Files - - - - -		2	4	3
Fire Clay - - - - -		7		
Fuel - - - - -		10	16	27
General Supplies - - - - -	2	2	4	3 -- 6
Globes - - - - -		2	3	3
Hammers, Sledge - - - - -	5	2		4
Heaters - - - - -	6,10			2
Hose - - - - -	7		2	14 -- 15
Handles - - - - -		2	3,4	4
Horses - - - - -				33
Hoists - - - - -			2	31
Iron & Steel - - - - -	3	3	5 -- 5,7	7 -- 13
Lanterns & Lamps - - - - -	1	2	3	3
Lumber - - - - -		9	15	23 -- 25
Lagging - - - - -		10	15	27
Ladder Rounds - - - - -				5

I N D E X, Contd.

Article	MICHIGAMME	IMPERIAL	Maas	ASHLAND
Machinery Supplies - - - -	4 -- 9	4 -- 8	9 -- 14	14 -- 22
Mine Timber - - - - -		10	16	27
Mine Equipment- - - - -			8	28 -- 33
Nipples - - - - -	5,8	5	9	
Nuts - - - - -		3	6	11
Nails - - - - -		3	6	10
Oil, Grease & Candles - -			8	14
Packing - - - - -		7	13 -- 14	15
Picks - - - - -		2	3	5
Pipes - - - - -		8	9	20
Plant - - - - -		1	2 -- 3	2
Portable Machinery - - - -	11			30 -- 31
Pillays - - - - -	1,2,7		4	
Pumps - - - - -	11		2,4	30 -- 32
Plugs - - - - -	8	6	11	18 -- 19
Power Drills - - - - -	11			29 -- 30
Poles - - - - -				27
Rail - - - - -	3	3		9
Rand Drills - - - - -	11			20
Recap. of Inventory - - -	13	12	17	34
Rope -v- - - - -	1		3	5 -- 6
Rotating Nuts - - - - -		7		
Reducers - - - - -			11	17
Saws - - - - -				4
Separator Equipment - - -	12			
Sheaves - - - - -	7		3	
Shovels - - - - -				4
Salt - - - - -		2	4	4
Screws, Feed - - - - -		7		
Steam Shovels - - - - -				33
Tools - - - - -	2	2	2 -- 3	4 -- 6
Tram System - - - - -	12			
Tees - - - - -		4	11	17,18
Unions - - - - -		5	11	16
Valves - - - - -	6,8,9	6	11	14,19,20
Vise - - - - -	1			
Wheels - - - - -	6	7		21 -- 22
Wrenches - - - - -	2,7		2,4	4,6
Wire - - - - -	1			5
Waste - - - - -			4	4

CLEVELAND CLIFFS IRON COMPANY

Maas Mine Inventory November 30th., 1902.

BUILDINGS

- 1 Dry House
- 1 Carpenter Shop
- 1 Blaksmith Shop
- 1 Machine Shop
- 1 Engine ~~H~~ouse
- 1 Boiler House
- 1 horse Shed
- 1 Warehouse
- 1 Office
- 1 Rock Trestle 23' High 275' Long
- 1 Derrick 50'Mast 60' Boom
- 3750' Launder 2 x 18
- 1 Tank 14 x 16

M A A S M I N E

P L A N T

E N G I N E H O U S E

- 1 Double Cylinder Double Drum
Special No.17 Portable Hoist
Purchased from Webster Camp
& Lany and Sold to Maas at
Discount of 20%
- 1200 Ft. C.Steel Rope attd. to Drums
- 12 No. 3 Sampson Battery Jars
- 1 8" Gong Elec. Bell
- 1 Hose Cart
- 500' Rubber Hose
- 2 1 Qt. Oil Cans
- 2 1/2 Pt. Oil Cans
- 1 1 Gal. Measure
- 4 Oil Faucets
- 6 Barn Lanterns Complete
- 5 Street Lamps Complete
- 1 2 Gal. Oil Can
- 1 1 Gal. Oil Can
- 14 Spaner Wrenches for Hoistg.Eng.
- 1 Prescott Feed Pump Size 6 x 4 x 6
- 1 No. 1 Metropolitain Injector
- 3 1 Pt. Detroit Lubricators
- 1 Bristol Steam Recording Gauge
- 2 I.E.Swift Pressure Gauges
- 1 Small Clock
- 1 8" Monkey Wrench
- 1 12" Monkey Wrench
- 1 18" Monkey Wrench
- 1 12" Stillson Wrench

M A A S M I N E

PLANT

ENGINE HOUSE? CONTINUED

- 1 Hand Hammer
- 1 12" Mill File
- 1 8" Mill File
- 1 10" Round File
- 1 Broom
- 1 Water Pail
- 3 Lbs. Hoffmans Metal Polish
- 1 Lb. Graphite

GENERAL SUPPLIES

4	Lbs. Antimony		.16	.64
6	Lbs. Babbitt		.32	1/92
30	Lbs. 5/8" Manilla Rope		.135	4.05
52	Lbs/ 3/4" " "		.1125	5.85
75	Lbs. 1" " "		.1125	8.44
90	Lbs. 1-1/2" " "		.07	6.30
125	Lbs. 2" " "		.08	10.00
25	Poll Picks		.75	18.75
40	Lbs. Ammonia Soap		.06	2.40
6	Round Point Shovels		9.00	4.50
8	" " " Handles		1.80	1.20
3	Large Square Point Shovels		.90	2.70
6	Long Handle Shovels		9.00	4.50
27	" " " Handles		.15	4.05
2	Axe Handles		.15	.30
7	Barn Lanterns		.60	4.20
5	Barn Lantern Globes		.06	.30
56	Barn Lantern Wicks	Doz.	.05	.23
2	Street Lamps		2.00	4.00
7	Street Lamp Globes	Doz.	4.00	2.33
3	Scoop Shovels		.85	2.55
12	Street Lamp Wicks	Doz.	.06	.06

Forward

89.27

M A A S M I N E

GENERAL SUPPLIES (CONTINUED)

		Brot Ford		89.27
5	Lbs. Lamp Wicking	.15	.75	
2	Lbs. Connecting Wire Copper	.30	.60	
9	50 C.P. Elec. Lamps	.75	6.75	
11	16 C.P. Elec. Lamps	.25	2.75	
2	Wooden Hand Saw Handles	.20	.40	
1	12" Monkey Wrench Doz.	7.00	.58	
3	18" " "	1.25	<u>3.75</u>	15.58
6	8" Mill Bas Files	4.30	2.15	
3	6" Slim Taper Fibs	3.10	.78	
1	6" " "	3.40	.29	
6	12" Flat Bast. Files	9.70	4.85	
1	12" Half Rd. Bast. File	11.80	.98	
6	12" Sq. Bast Files Less 75%	10.20	<u>5.10</u> <u>14.15</u>	3.54
110	Lbs. White Waste	.0725	7.98	
75	Lbs. Colored Waste	.05	3.75	
15	Lbs Oakum	.10	1.50	
11	Blasting Torpedoes	No Price		
2	Fire Extinguishers	.25	.50	
3	Small Squirt Cans	.25	.75	
1	Pr. 2 Ton Diff Chain Blocks		24.10	
5	Lbs. Marlin	.15	.75	
7	Lbs. Putty	.03	.21	
12	Lbs. White Lead	.075	.90	
12	Battery Sacks (Carbon)	.675	8.10	
1	Single Bit Axe		.50	
1	R. 5" Iron Double Block (Old)		.00	
2	R. 6" Double Block, wood (Old)		.00	
130	Lbs. 7/8" Chain (Old)		.00	
80	Lbs. Salt	1.25	<u>1.00</u>	<u>50.04</u> <u>69.16</u>
Total General Sup <u>plies</u>				158.43

M A A S M I N E

IRON & STEEL

100	3/8" Round Com. Iron		2.45
455	1/2" " " "	2.25	10.24
345	5/8" " " "	2.15	7.42
236	3/4" " " "	2.05	4.84
158	7/8" " " "	2.20	3.48
6038	1" " " "	2.10	126.80
3628	1-1/2" " " "	1.95	70.73
7040	1-1/4" " " "	1.75	123.20
150	3/8" Sq. Com. Iron	2.20	3.30
200	1/2" " " "	2.25	4.50
586	5/8" " " "	2.30	13.48
40	3/4" " " "	2.20	.88
11	7/8" " " "	2.10	.23
275	1 x 1/8 Com. Flat Iron	2.05	5.64
9	1 x 3/8" " " "	2.20	.20
103	3 x 3/4" " " "	2.35	2.42
13	2 x 1/2" " " "	1.95	.25
206	2 x 5/8" " " "	2.10	4.33
58	3/4 Rd. Lowmoor Iron	.08	4.64
62	1" " " "	.08	4.96
110	1-1/8" Rd. " "	.08	8.80
26	1" Sq. Swede Iron	3.10	.81
26	1-1/8" " " "	3.10	.81
56	1-1/4" " " "	3.10	1.74
71	1-1/4 x 3/4 Flat Swede Iron	3.30	2.34
13	5/8" Rd. Machine Steel	3.05	.40
21	3/4" " " "	3.00	.63
28	7/8" " " "	3.00	.84
37	1" Sq. " "	3.00	1.11
90	2-1/2 x 3/8 Flat Mach. Steel	3.00	<u>2.70</u>

Forward

414.17

M A A S M I N E

IRON & STEEL

			Brot Ford	414.17
55	Lbs. 1-1/2 Rd. Cast Steel	.125	6.88	
16	Lbs. 3/4 Hex. Tool Steel	.12	<u>1.92</u>	8.80
95	3/4 x 3 Carriage Bolts Less 60 & 10%		7.66	2.62
26	1/2 x 2-1/2 Machine Bolts	4.12	1.07	
25	1/2 x 3 "	4.38	1.10	
21	5/8 x 3 "	6.34	1.33	
22	5/8 x 4 "	7.10	1.56	
33	5/8 x 4-1/2 "	7.48	2.47	
21	5/8 x 3-1/2 "	6.72	1.41	
28	3/4 x 2-1/2 "	8.20	2.30	
20	3/4 x 3 "	8.70	1.74	
36	3/4 x 3-1/2 "	9.20	3.31	
15	3/4 x 4 "	9.70	1.46	
10	3/4 x 4-1/2 " Less 65%	10.20	<u>1.02</u> <u>18.77</u>	6.57
171	Lbs. 10-D Wire Nails	2.50	4.28	
203	Lbs. 20-D " "	2.50	5.08	
9#	30-D " "	2.50	.23	
10	Lbs. 40-D " "	2.45	.25	
1000	Lbs. 60-D " "	2.40	24.00	
60	5/8" Cast Iron Washers	1.50	.90	
2600	Lbs. 1-1/4" Cast Iron Washers		32.50	
19	1" Hex. Nuts Tapped	5.40	1.03	
23	Lbs. 1/2" Hex. Nuts Tapped	7.10	1.63	
22	5/8 " " "	7.10	1.56	
5	3/8 " " "	.095	.47	
1510	1-1/8 " " " I.E.S.	3.80	57.38	
83	3/4 " " "	5.40	4.48	
21	1-1/4 " " "	.07	1.47	
30	5/8 Sq. " "	4.40	1.32	
232	3/4 " " "	4.40	<u>10.21</u>	<u>146.79</u> <u>164.78</u>

Forward

578.95

M A A S M I N E

IRON & STEEL

Brot Ford

578.95

135	1-1/8 Sq. Nuts Tapped	4.40	5.94
25	5/8 x 8 Sag Screws	11.00	2.75
92	1 x 10 " "	35.10	32.29
310	1-1/8 Washers	.05	15.50
105	1" "	1.05	5.25
10	5/8 "	.05	.50
5	3/4 "	.03	.15
11	1/2 "	.05	.55
45	Lbs. 6" Boat Spike	2.80	1.26
13	3-1/2 x 7/16 Track Spikes	4.25	<u>.55</u>

64.74

Total Iron & Steel

643.69

M A A S M I N E

O I L G R E A S E & C A N D L E S

50	Gal. Kero. Oil	.10	5.00
588	Lbs. Elec. Light Candles	.0725	42.61
30	Lbs. Grease For Pump Poles	.0425	1.28
50	Gal. Cylinder Oil	.23	11.50
35	Gal. Red Engine Oil	.13	4.55
35	Gal. Black Oil	.095	<u>3.32</u>
	Total Oil Grease & Candles		68.26

M A A S M I N E

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

93'	1"	Black Pipe	.165	15.35	
230	1-1/4"	" "	.225	51.75	
928	1-1/2"	" "	.27	250.56	
3000	2"	" "	.36	1080.00	
912	2-1/2"	" "	.575	524.40	
103	3"	" "	.755	77.76	
180	4"	" "	1.08	194.40	
28	4-1/2"	" "	1.30	36.40	
65	5"	" "	1.45	94.25	
331	6"	" "	1.88	622.28	
		Less 66-1/2 & 3%		<u>2947.15</u>	937.93
63	6" Ex Heavy Pipe		2.90	182.70	
		Less 60%			73.08
18	1-1/2 Double Ex Heavy Pipe		.65	11.70	
17	2	" " " "	.95	16.15	
607	Ft. 9" Air Pipe			<u>.00</u>	27.85
15	3/8" Nipples		.03	.45	
1	1/2" "		.04	.04	
14	3/4" "		.05	.70	
11	1" "		.06	.66	
17	1-1/4" "		.09	1.53	
14	1-1/2" "		.10	1.40	
20	2" "		.13	2.60	
35	2-1/2" "		.28	9.80	
10	3" "		.35	3.50	
36	4" "		.58	20.88	
27	5" "		1.05	28.35	
16	6" "		1.33	21.28	
		Less 75%		<u>91.19</u>	22.80
8	1" Flanges		.52	4.16	
11	1-1/4" "		.64	7.04	
11	1-1/2" "		.78	8.58	
		Less 70 & 10%		<u>19.78</u>	<u>5.34</u>

9 Forward

1067.00

M A A S M I N E

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

		Brot Ford		1067.00
7	2" Flanges	1.00	7.00	
29	2-1/12" " "	1.25	36.25	
6	3" " "	1.50	9.00	
12	4" " "	2.10	25.20	
8	5" " "	3.15	25.20	
6	6" " "	3.95	23.70	
	Less 70 & 10%		<u>126.35</u>	34.12
6	3/8" Couplings	.06	.36	
12	1/2" " "	.07	.84	
12	3/4" " "	.10	1.20	
14	1" " "	.13	1.82	
7	1-1/4" " "	.17	1.19	
21	1-1/2" " "	.21	4.41	
25	2" " "	.28	7.00	
10	2-1/2" " "	.40	4.00	
35	3" " "	.60	21.00	
23	5" " "	1.65	37.95	
23	4" " "	1.00	23.00	
26	6" " "	2.40	62.40	
	Less 70 & 5%		<u>165.17</u>	47.07
12	3/8" Elbows	.05	.60	
9	3/4" " "	.08	.72	
6	1/2" " "	.06	.36	
12	1" " "	.105	1.26	
15	1-1/4" " "	.16	2.40	
5	1-1/2" " "	.20	1.00	
12	2" " "	.28	3.36	
7	3" " "	.75	5.25	
16	4" " "	1.20	19.20	
10	5" " "	2.00	20.00	
3	6" 45° " "	3.45	10.35	
7	6" " "	2.75	19.25	
22	2-1/2" " "	.50	11.00	
	Less 70 & 5%		<u>94.75</u>	<u>27.00</u>
				<u>108.19</u>

Forward 10

108.19 1175.19

M A A S M I N E

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

1175.00

			Brot Ford		1175.19
2	3/8"	Tees	.08	.16	
4	1/2"	"	.09	.36	
1	3/4"	"		.12	
11	1"	"	.15	1.65	
18	1-1/4"	"	.23	4.14	
9	2"	"	.41	3.69	
20	3"	"	1.10	22.00	
8	4"	"	1.75	14.60	
4	6"	"	4.00	16.00	
14	1-1/2"	"	.29	4.06	
5	5"	"	3.00	15.00	
		Less 70 & 5%		<u>81.18</u>	23.13
3	1/4"	Unions	.18	.54	
3	3/8"	"	.20	.60	
10	1/2"	"	.22	2.20	
11	3/4"	"	.27	2.97	
6	1"	"	.33	1.98	
5	1-1/4"	"	.46	2.30	
3	1-1/2"	"	.58	1.74	
5	2"	"	.75	3.75	
3	2-1/2"	"	1.55	4.65	
3	3"	"	2.10	6.30	
		Less 75%		<u>27.03</u>	6.75
2	1/2 x 3/8	Bushings	.04	.08	
9	3/8 x 1/4	"	.04	.36	
8	3/4 x 1/2	"	.05	.40	
2	1 x 3/4	"	.06	.12	
12	1-1/2	"	.09	1.08	
7	2 x 1-1/2	"	.14	.98	
6	3-1/2 x 3	"	.40	2.40	
11	4 x 3-1/2	"	.50	5.50	
3	4 x 5	"	.93	2.79	
20	6 x 5	"	1.25	25.00	
		Less 75%		<u>38.71</u>	9.68
Forward			11		<u>39.56</u>
					<u>1214.75</u>

M A A S M I N E

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

		Brot Ford	1214.75
5	3/8" Plugs	.02	.10
13	1/2" "	.02	.26
5	3/4" "	.03	.15
3	1" "	.04	.12
12	1-1/4" "	.05	.60
11	1-1/2" "	.07	.77
8	2" "	.10	.80
3	3" "	.25	.75
1	4" "		.42
6	5" "	.88	5.28
3	6" "	1.20	3.60
	Less 75%		<u>12.85</u>
			3.21
4	2" Reducers	.45	1.80
5	4" "	1.85	9.25
6	3/8" "	.03	.18
1	6" "		2.70
	Less 75%		<u>13.95</u>
			3.48
15	1/2" Globe Valves	1.00	15.00
15	3/4" "	1.20	18.00
10	1-1/2" "	3.50	35.00
2	2" "	5.30	10.60
1	1" "		1.80
	Less 70%		<u>80.40</u>
			24.12
5	1-1/2" Jenkins Valves	2.20	11.00
8	1" Fairbanks Valves	1.19	9.52
5	2" " "	3.15	15.75
6	3" Gate Valves Iron Body	5.75	34.50
2	4" " " " "	6.00	12.00
1	2" " " " "		3.00
13	2" Fairbanks Disc	.40	5.20
12	1" " "	.20	2.40
11	2" Jenkins "	.18	1.98
12	1-1/2" " "	.12	1.44
			<u>96.79</u>
			<u>127.60</u>

Forward 12

127.60 1342.35

M A A S M I N E

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

		Brot Ford	1342.35
8	3/4" Iron Stop Cocks	1.05	8.40
13	1" " " "	1.30	16.90
6	2" " " "	2.70	16.20
	Less 75%		<u>41.50</u>
			10.37
10	1-1/2" Brass Stop Cocks	4.85	48.50
	Less 75%		12.12
			12.12
10	1/4" Brass Pet Cocks	.15	1.50
12	3/8" " " "	.18	2.16
2	1/2" " " "	.20	.40
14	Brass Valve Seats for No.10 Knowles 140#	.30	42.00
14	Brass Valve Seats for No.10 Cameron 120#	.30	36.00
4	Brass Bushings for Prescott	5.50	22.00
3	Wood Handle Pump Oilers	1.15	3.45
2	2" Check Valves (Brass)	1.43	2.86
45	3/8 Sq. Hard Packing	.40	18.00
97	1/2 " " "	.40	38.80
70	5/8 " " "	.40	28.00
106	5/4 " " "	.40	42.40
380	7/8 " " "	.40	152.00
220	1 " " "	.45	99.00
33	3/8" Sq. Flax Packing	.28	9.24
27	1/2" " " "	.28	7.56
66	5/8 " " "	.28	18.48
9	3/4" " " "	.28	2.52
7	1 " " " "	.28	1.96
23	3/8" Empire Packing	.26	5.98
24	1/2" " " "	.26	6.24
25	5/8" " " "	.26	6.50
29	3/4 " " "	.26	7.54
26	7/8" " " "	.26	6.76
	Forward		<u>561.35</u>
			<u>583.84</u>
			583.84
			1926.19

M A A S M I N E

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

		Brot Ford	1926.19
5	Asbestos Wisking	.25	1.25
19	5/8 German Asbestos	.06	11.40
110	1/8" Sheet Rubber	.13	14.30
42	1/16" " "	.13	4.46
100	1/8" Rainbow Rubber	.48	48.00
80	1/16" " "	.48	38.40
5	5/8" Eclipse Gasket Rubber	.64	3.20
263	Lbs. No.10 Knowles Valves	.65	170.95
102	Lbs. No.10 " "	.45	45.90
47	Lbs. Brass Springs (For No.10 Knowles)	.25	11.75
3	Lbs. Prescott Rubber Valves(C&J)	.90	2.70
19	7/8" Sq. Stitched Packing	.50	9.50
27	3/4" " " "	.50	13.50
25	5/8" " " "	.50	<u>12.50</u>
	Total Machinery Supplies		<u>388.81</u>
			2315.00

M A A S M I N E

B U I L D I N G M A T E R I A L

159	Pcs.	2 x 8 - 16	=3392'	Hem.	12.50	
56	"	2 x 8 - 14	=1045'	"		
41	"	2 x 12 x 14	=1148'	"		
765	"	2 x 12 - 16	=24480'	"		
31	"	4 x 4 - 12	= 496'	"		
52	"	3 x 12 - 16	= 2496'	"		
59	"	2 x 4 - 16	= 629'	"		
30	"	2 x 4 - 18	= 360'	"		
			<u>34046'</u>		12.50	425.58
2800	Ft.	1"		"		35.00
888	Pcs.	3 x 10 - 16	=35520'	Pine		
190	"	3 x 12 - 16	= 9120'	"		
278	"	2 x 10 - 12	= 5560'	"		
42	"	2 x 12 - 12	= 1008'	"		
266	"	2 x 10 - 16	= 7093'	"		
48	"	2 x 12 - 16	= 1536'	"		
35	"	6 x 6 - 12	= 1260'	"		
26	"	6 x 6 - 16	= 61248'	"		
			<u>62345'</u>	"	19.00	1184.55
1600	Ft.	1"		"		30.40
75	Pcs.	12 x 12 - 18	= 16200'	Nor.Sag		
92	"	12 x 12 - 16	= 17664'	" "		
64	"	12 x 12 - 14	= 10752'	" "		
17	"	12 x 12 - 20	= 4080'	" "		
64	"	8 x 12 - 12	= 6144'	" "		
32	"	10 x 12 - 12	= 3840'	" "		
			<u>58680'</u>	" "	19.00	1114.92
39	Pcs.	8 x 14 - 12	=4368'	Nor.Sk		
41	"	10 x 14 - 12	=5740'	" "	21.50	217.32
			<u>10108'</u>	" "		
16	Pcs.	14 x 14 - 18	=4704'	Fir		
8	"	14 x 14 - 28	=3659'	"		
			<u>8363'</u>	"	23.00	192.35
		Forward				<u>3200.12</u>

M A A S M I N E

B U I L D I N G M A T E R I A L .

Brot Ford

3200.12

50	Pcs. 3 x 6 x 12 = 900'	Oak		
1	" 3 x 16 - 12 = $\frac{48'}{948'}$	"	34.00	32.23
52	" 14 x 14 - 14 = 11891'	"		
52	" 14 x 14 - 18 = $\frac{15288'}{27179'}$	"	38.00	1032.80

F R A M E D T I M B E R

70	12'-4" x 14 x 14			
70	16'-6" x 14 x 14			
70	12' x 8x10			<u>1065.03</u>
Total Building Material				4265.15

E X P L O S I V E S

55	Lbs. 60% Powder		1135	7.42
45	Lbs. 50% Powder		.12	5.40
100	Ft. Fuse (Per M)		4.25	.43
100	Fuse Caps (Per M)		6.00	.60
100	Elec. Fuses & Caps		3.01	3.01
500	Ft. Leading Wire (Per Ft)		.01	5.00
500	Fuses No Price			<u>21.86</u>
Total Explosives				21.86

M I N E T I M B E R S

1	Pcs. 8 - 16 = 16' Steel Timbr		.025	.40
2	Pcs. 8 - 16 = 32' " "		.025	<u>.80</u>
Total Mine Timber				1.20

F U E L

650	- 185 Tons Steam Coal		3.00	<u>1950.28</u>
Total Fuel				1950.28

A N T I Q U A T E D

1	14 x 24 Box Stove (Broken)		.00	.00
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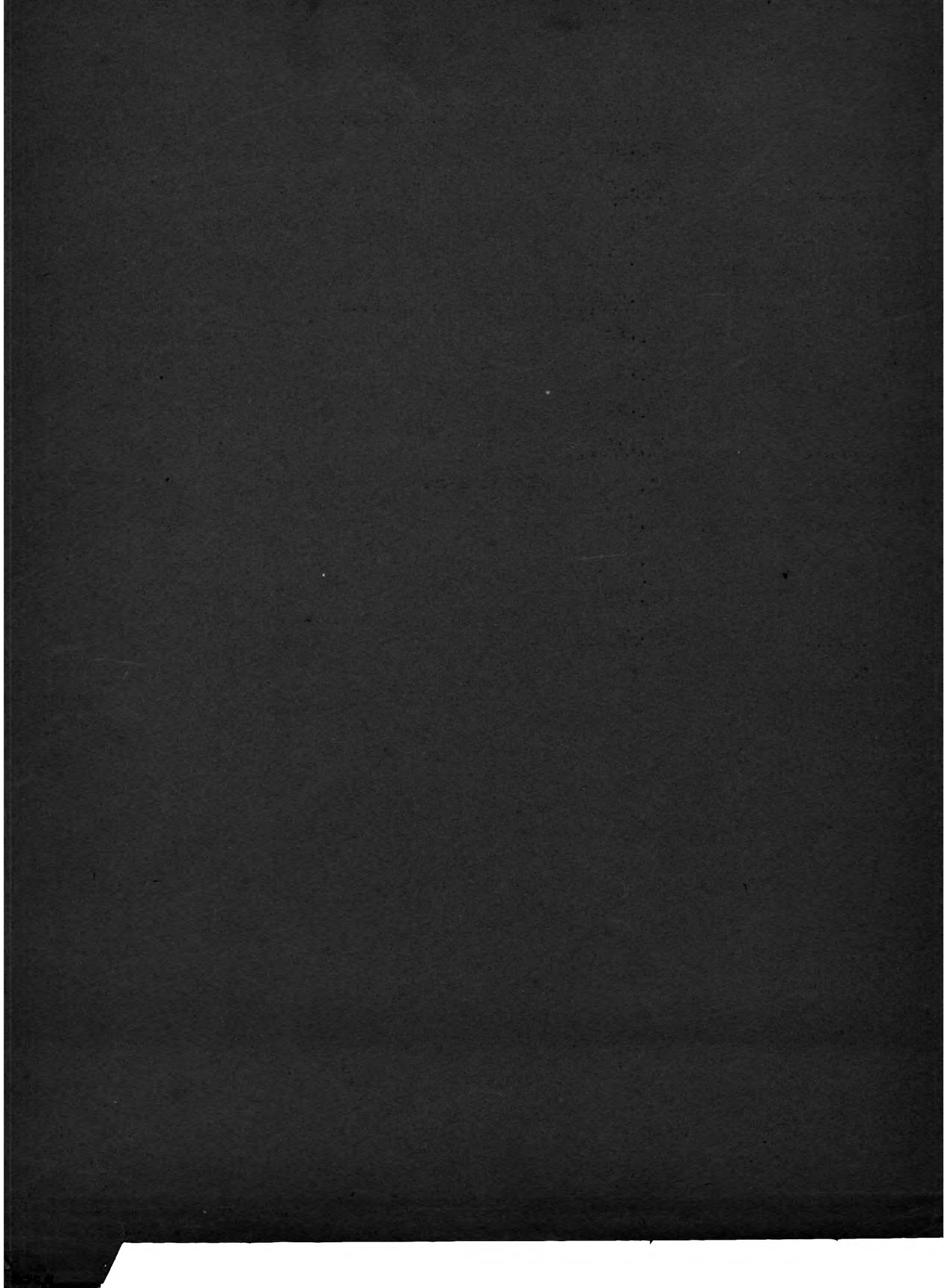
M A A S M I N E

SCRAP

285	Lbs. Old Rubber Valves	.00	
285	Lbs. Old Brass	19.95	
200	Ft. Old Pipe 3/4" and 1"	<u>.00</u>	<u>19.95</u>
	Total Scrap		19.95

R A C A P I T U L A T I O N

General Supplies	158.43	
Iron & Steel	643.69	
Oil Grease & Candles	68.26	
Machinery Supplies	2315.00	
Building Material	4265.15	
Explosives	21.86	
Mine Timbers	1.20	
Fuel	1950.28	
Scrap	<u>19.95</u>	<u> </u>
Grand Total		<u>9443.82</u>



C L E V E L A N D - C L I F F S I R O N C O .

Ashland Mine Inventory, November 30, 1902.

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B U I L D I N G S .

- 1 Engine House, Tank House and Foundation.
- 1 Boiler House and Additions
- 1 Laboratory and Basement
- 1 Captains Office
- 1 Doctors Office
- 1 Carpenter, Blacksmith, and Machine Shop
- 1 Dry House
- 1 Rope House
- 3 Water Closets
- 1 Shipping Clerks Office
- 1 Barn and Additions
- 1 Stone Water Tank
- 1 Iron Rack and Iron Shed
- 1 Mine Office
- 1 Mine Office Shed
- 1 Powder House
- 1 Supply House
- 1 Ware House (Old) 2 story frame
- 1 Wool House
- 1 Wagon Shed
- 1 Dwelling (Ellard)
- 1 " (Mr. Johnstone)
- 1 " (Capt. Anderson)
- 1 " (Mr. Renaud)
- 1 " (Mrs. Pauline)
- 1 " (Mr. Alguire)

Ashland Mine.

P L A N T.

Webster, Camp & Lane Hoist.

- 2 Engines 26, 1/2 x 48 Four Drums '89
Fifth Drum Added '92
Foundations '92
- 1 Ingersoll Seargeant Duplex Air Compressor, Cooper Corliss,
18 x 30, 25 Drills, with foundations.
Line
- 1 Ingersoll Straight Air Compressor 24 x 20 x 12 Drills Myers Cut
Off, 92 and Foundation
- 2 Westing House Engines 35 H.P. Each with Pulleys, belts, etc
'94 in Warehouse
- 2 V. S. Dynamos, Each 150 Amp. and Switch Board Complete Cut out
and Blocks in Warehouse.
- 1 Half Couplings and pins W. C. & L. Hoist

No. Boilers Numbered.

- #1 16 x 60" 1889
- #2 16 x 60" 1889
- #3 16 x 54 1886 Sold for Scrap 19 01
- #4 16 x 54" 1886 "
- #5 16 x 60 1887
- #6 16 x 60" 1889
- #7 16 x 66" 1890
- #8 16 x 66" 1890
- #9 ~~Striking~~ 150 H. P. Stack & Setting '93
- #10 " "
- 1 Locomotive Boiler 11 x 14
- 1 Baragawanith Heater '99 Sold for Scrap 1902.
- 1 Smoke Box & Breaching
- 1 Smoke Stack (New 1902.)
- #12 18 x 72' 150 H. P. Boiler 1902
- 1 Korting Injector #7 '98
- #11 18 x 72' 150 H. P. Boiler 1902
- 1 Pressure Recorder
- 1 Thompson Indicator, 1 - 40 Spring 1 - 60 Spring
- 2 Bristols Record Pressure Gauges (New)
- 2 Schaeffer & Burdenberg Revolution Counters (New)
- 1 Pantagraph
- 1 Upright Boiler 40" x 72" & Stack

Ashland Mine.

GENERAL SUPPLIES.

9	4" Slim Taper Files	2.10	1.58
14	6" "	3.10	3.81
12	8" "	4.50	4.50
9	6" Mill Bastard Files	3.50	2.62
20	8" "	4.30	7.16
8	10" "	5.60	3.73
3	12" "	7.50	1.87
17	8" Flat" "	5.30	7.50
13	12" " " "	9.70	10.50
9	10" Round Bastard Files	5.60	4.20
23	12" "	7.50	14.37
6	16" "	14.70	7.35
7	12" Half Round Bastard File	11.80	6.88
1	12" " Smooth File	13.90	1.15
1	16" Horse Rasp	24.40	<u>2.03</u>
	Less 75%		79.02 19.76
1	4" Flat Round Brushes	1.25	1.25
1/2	Doz. #2 Lamp Chimneys	.85	.43
21	Lantern Globes	.065	1.36
1	File Brush	.25	.25
6	Lantern Wicks	.04 Doz.	.24
6	Marlin	.13	.78
1	50' Chesterman tape	2.12	2.12
11	Em ery Cloth	.04	.44
14	Long Spout Tin Oilers	.30	4.20
30	Oak Push Buttons	.05	1.50
30#	Candle Wicking	.14	<u>4.20</u>

Forward

36.53

Ashland Mine.

GENERAL SUPPLIES (Continued)

		Forward	36.53
20	White Chalk (Carpenters)	.01	.20
14	Blue Chalk "	.01	.14
1	Scrub Brushes	.18	.18
7	Bbls. Salt	1.25	8.75
4	Scoop Shovels	6.25 Doz.	2.08
2	Square Point Shovels #2	7.20 "	1.20
6	Doz. Rd. Point Shovels	8.00	48.00
265#	Colored Waste	.0525	13.91
62#	White Waste	.065	4.03
17	Warehouse Brooms	.34	5.78
11	Wood Jacket Gal. Cans	26.23	2.53
8	2 Gal. Wood Jacket Cans	.30	2.40
62	3/8' Spring Cotters	01, 1/3	.83
48	1/2" x 3, 1/2" Spring Cotters	.0225	1.08
50	1/2' x 3 "	.0225	1.13
Battery Zincs			
7	Carbon Batteries Complete	.315	2.21
95#	Babbit Metal	.13	12.35
105	" Old	.05	5.25
18	7# Stricking Hammers 126#	.06	7.56
6	14# Sledge " 84#	.06	5.04
1,10/12	S. B. Axes	6.00	11.00
4	Hand Saws	.41	1.64
6	12" Coe Wrenches	.60	3.60
9	15" "	1.00	9.00
2 9 7/12	S. B. Axe Handles 28"	1.50	3.88
10	Shovel Handles	.20	2.00
2 16/12	12 Cant Hook Handles	.17	5.78
10	Doz. 34" D. P. "	1.50	15.00
7	" Pole Pick Handles	.85	5.95
6	Wheel Barrows	1.50	9.00
1 3/12	Stricking Hammer Handles	.11	1.65
Forward			193.15
			229.68

Ashland Mine.

GENERAL SUPPLIES (Continued)

		Forward	229.68
2	Doz. Sledge Hammer Handles	1.20 Doz.	2.40
4	Cant Hooks Complete	2.00	8.00
18	Mattock Handles	.15	2.70
110#	1/2" Manilla Rope	.14	15.40
158#	3/4" "	.14	22.12
269#	1" "	.1325	35.64
170#	3/8" Wire Guy Line	1.25	9.45
65	#8 Galv. Wire	.04	2.60
38	Spring Sockets	.01	.38
38	3 Hoop Wood Pails	.15	5.70
2200	Ladder Rounds	13.50	29.70
4	Steel Wheel Barrow Wheels	.75	3.00
2	Sheaves for 8" Double Blocks	.35	.70
36	Pick Eyes	.32	11.52
25#	Ammonia Soap	.06	1.50
51	Bars Fairy Soap	.04	2.04
166	16 C. P. Incandescent Lamp Springs	.17	11.22
105	16 " Screws	.18	35.10
89900#	Blacksmith Coal	4.30	193.28
5	Tons Hard Coal	10.00	50.00
6	Mattocks	.60	3.60
6	3" #97 Iron Box Bell	.35	2.15
1	5" Skeleton Bell	1.75	1.75
1	6" Skeleton Bell		1.90
254	Glass Insulators		6.35
3000	Daily Hoist Reports		19.50
3000	" Analysis Reports		10.75
35#	Salamoniac	.09	3.15
60	1/2 pl Canteens	.09	5.40
			497.00

Forward

726.68

Ashland Mine.

GENERAL SUPPLIES (Continued).

	Forward		726.68
1 for #25 Nut Ratchets Jack	1.00	1.00	
1 Bbl. Sal. Soda		4.33	
1 Anti Rust Pail	.75	.75	
3,1/2 Doz. Sand Paper	.005	.21	
1,1/2# Salder	.205	.31	
2 12" Single Blocks	1.50	3.00	
12 Cant Hooks	.65	7.80	
24 Rosettes	.16	3.84	
2 Granite Dippers	.25	.50	
1 18 Trimo Wrenches	1.37	1.37	
2 24" Jaws Trimo Wrenches	.60	1.20	
1 Inserted Jaw for Trimo	.20	.20	
3 Frames Trimo Wrenches	.37	1.17	
1 Frame Trimo 18" Wrench	.33	.33	
1 Nut 18" Trimo Wrench	.13	.13	
1 Frame for 14" Trimo Pipe Wrench	.20	.20	
4 2" Wood Auger	.55	2.20	
4 8-16 Double Auger	.20	.80	
10 #2 C. B. Lantern	.75	7.50	
290 Porcelain Knobs	.01	2.90	
1 Switch	.40	.40	
2 E. Single Branch Blocks	.35	.70	
24 Bfackets	.015	.36	
49 Weather Proof Sockets	.34	16.66	
1 Double Switch	1.25	1.25	
5200' 5/8 Steel Wire Rope	.14	45-12,1/2-5% <u>332.83</u>	<u>391.94</u>

Total General Supplies

1118.62

Ashland Mine.

I R O N & S T E E L.

7111#	1,1/8	Round Drill Steel	.065	462.21
564#	7/8	Octagon Drill Steel	.065	36.66
69#	1,1/2"	Rocky Mountain Drill Steel	.075	5.18
2723#	1,3/4"	Octagon "	.065	176.99
2716#	2"	" "	.065	176.54
2547#	2,1/4"	" "	.065	165.55
46#	3/4"	Chisel Steel	.075	3.45
14#	1/4 x 1,1/2"	Auger Steel	.055	.77
56#	3/4 x 1"	Pick Steel	.04	2.24
220#	1,1/4"	Square Tool Steel	.08	17.60
160#	2,1/2"	"	.09	14.40
215#	1,1/2"	"	.08	17.20
40#	5/8"	Round Tool Steel	.13	5.20
180#	1,3/4"	Cold Rolled Steel	3.50	6.30
673#	2,1/2"	Round Cold Rolled Shafting	.03	20.19
250#	1,1/4"	"	3.75	9.38
170#	7/8"	Square Soft Steel	2.10	3.57
458#	1,1/2"	"	2.15	9.85
185#	1,3/4"	"	2.00	3.70
724#	2"	"	2.25	16.29
460#	2,1/2"	"	2.30	10.58
590#	3/8"	Round Soft Steel	2.60	15.34
400#	1/2"	"	2.40	9.60
61#		"	2.30	1.40
141#	3/4"	"	2.30	3.24
40#	7/8"	"	2.20	.88
38#	1"	"	2.00	1.76
71#	1,1/4"	"	2.30	1.63
522#	1,1/2"	"	2.00	10.44
350#	1,3/8"	"	2.30	<u>8.05</u>

Ashland Mine.

I R O N & S T E E L (Continued) .

		Forward	1216.19
153#	1,5/8" Round Soft Steel	2.30	3.50
90#	1,3/4" "	2.30	2.07
30#	2" "	2.20	.66
491#	2,1/2" "	2.20	10.80
25#	1/2 x 1 Soft Steel	2.20	.55
26#	5/8 x 1 "	2.20	.57
21#	5/8" x 1,1/4"	2.10	.44
160#	1/4 Round Common Iron	2.85	4.56
135#	3/8" "	2.45	3.31
44#	7/16" "	2.65	1.17
621#	1/2" "	2.80	15.53
30#	9/16 "	2.45	.72
436#	5/8" "	2.40	10.46
70#	3/4" "	2.25	1.58
542#	7/8" "	7.05	11.11
1508#	1" "	2.00	30.16
69#	1,1/4" "	1.20	1.52
162#	1,3/8" "	2.20	3.56
192#	3/8" Square Common Steel Iron	2.45	4.70
445#	5/8" "	2.40	10.68
530#	3/4" "	2.20	11.66
355#	7/8" "	2.05	7.28
29#	1/4 x 1 Common Iron	2.15	.62
103#	1/4 x 1,1/4 "	2.50	2.58
130#	1/4 x 1,1/2 "	2.15	2.80
58#	1/4 x 1,3/8 "	2.15	1.14
370#	1/4 x 2 "	2.45	9.07
128#	1/4 x 3 "	2.45	3.14
103#	1/4 x 4 "	2.40	2.47
110#	1/4 x 5 "	2.10	2.31
			<u>160.74</u>

Forward

1376.93

Ashalnd Mine.

IRON & STEEL (Continued).

				Forward	1370.53
23#	3/8 x 1, 1/2	Common Iron	2.25		.52
692#	3/8 x 2, 1/2	"	2.20		15.22
66#	3/8 x 3	"	2.20		1.45
410#	3/8 x 4	"	2.20		9.02
186#	1/2 x 1	"	2.25		4.19
108#	1/2 x 1, 1/2	"	2.25		2.43
1056#	1/2 x 2	"	2.25		23.76
34#	1/2 x 3	"	1.85		.63
42#	1/2 x 4	"	1.85		.73
370#	1/2 x 8	"	2.45		9.07
513#	5/8 x 2, 1/2	"	2.20		11.29
262#	5/8 x 3, 1/2	"	1.85		4.85
142#	5/8 x 4	"	1.85		2.77
316#	5/8 x 3	"	2.20		6.95
299#	3/4 x 3	"	2.20		6.58
174#	5/8"	Round Swedes Iron	4.70		3.18
10#	1/2	"	3.80		.38
52#	3/4"	"	3.80		1.98
209#	1, 1/4 & 1"	Mixed "	4.50		9.41
253#	1 x 6	Swedes Iron	3.55		3.98
338#	5/8 x 4	"	4.50		15.21
132#	1/2 x 4	"	4.50		5.94
18#	5/8 x 2, 1/2	"	4.50		.81
335#	3 x 3 x 3/8	Angle Iron	3.00		10.05
9105#	12#	Rail	42.50	<i>check sum</i>	193.48
1944	Tons	45# Rail	33.50		163.01
42240					
530#	5/16	Steel Plates	2.40		12.72
101#	1/4"	"	2.40		2.42
15937#	3/8"	"	2.40		382.49
2624#	1/2"	"	2.40		62.98
387#	5/8	"	2.40		9.29
		Forward	9		<u>986.84</u>
					2363.77

Ashland Mine.

IRON & STEEL (Continued)

				Forward	2363.77
19#	3/4 x 2"	Burden Rivets	.045		.85
95#	5/8 x 1/2"	"	.045		4.28
93#	5/8 x 2	"	.025		4.19
25#	1/2 x 1, 1/2	"	.04		1.00
26#	6d. Wire Nails		2.60		.68
182#	8d. "		2.50		4.55
223#	10 "		2.45		5.46
972#	20 "		2.40		23.33
41#	40 "		2.40		.98
89#	60 "		2.40		2.64
73#	8d Casing Nails		2.80		2.04
300#	3/8 x 8 Wire Spikes		2.60		7.80
493#	3/8 x 3 Track Spikes		2.85		14.05
200#	1/2 x 4 "		2.65		5.30
1009#	1/2 x 5 "		2.90		29.26
585#	1/2" " Bolts		3.00		17.55
181#	5/8" " "		3.75		6.79
86#	1" Cast Washers		1.85		^{1.59} 1.59
2411#	1, 1/4" "		1.85		44.60
450	Pr. 12# Fish Plates		.15		67.50
196	16# "		.10		19.60
15#	Wrought Washers 3/8"		.04		.60
18#	" 1/2"		.045		.81
72#	3/4" "		2.95		2.05
38#	1, 1/4" "		2.65		1.01
34#	7/8 "		2.95		.89
30#	1" "		2.95		<u>.89</u>
					<u>270.29</u>

Forward

2634.06

Ashland Mine.

I R O N & S T E E L (Continued)

			Forward	2634.06
138#	7/8"	Thre aded Maching Nu ts	5.75	7.94
105#	1"	"	5.55	5.83
205#	1,1/8"	"	5.55	11.38
43#	1/2"	Square Threaded Machine Nuts 1.50		2.37
64#	3/4"	"	5.00	3.20
28#	7/8"	"	5.00	1.40
346#	1,1/8"	"	6.00	20.76
1215#	1,1/4"	"	4.50	54.68
78#	5/8"	"	.055	4.29
53#	3/4"	Hexagon Threaded Nuts	.055	2.92
46#	1/2"	" Blank Nuts	.04	1.84
200#	7/8"	"	.03	6.00
40#	1,1/4"	"	4.20	1.68
800#	Lock Nuts		.70	<u>5.60</u> 129.89
48	1/4 x 1	Carriage Bolts	1.00	.48
64	1/4 x 1,1/2	"	1.00	.64
70	1/4 x 2	"	1.08	.76
80	1/2 x 2,1/2	"	1.16	.93
225	3/8 x 1,1/2	"	1.60	3.60
225	3/8 x 1,3/4	"	1.68	3.78
138	3/8 x 2	"	1.76	2.43
200	3/8 x 2,1/4	"	1.84	3.68
175	3/8 x 2,1/2	"	1.92	3.36
150	3/8 x 3	"	2.08	3.12
150	3/8 x 3,1/2	"	2.24	3.36
260	3/8 x 4	"	2.40	6.24
50	3/8 x 4,1/2	"	2.56	1.28
150	3/8 x 5	"	2.72	4.08
170	3/8 x 6	"	3.04	<u>5.17</u>
			Forward	42.91

Total Forward

2763.95

Ashland Mine.

IRON & STEEL (Continued).

	Forward		42.91	2763.95
112# 1/2				
150# 1/2 x 2, 1/2	Carriage Bolts	3.00	4.50	
215# 1/2 x 3	"	3.22	6.92	
52# 1/2 x 3, 1/2"	"	3.44	1.96	
170# 1/2 x 4	"	3.66	6.22	
165# 1/2 x 4, 1/2	"	3.88	<u>6.40</u>	
	Less 60-10		68.91	24.80
13# 1/2 x 5, 1/2"	Carriage Bolts	4.32	.56	
33# 1/2 x 5, 1/2"	"	4.54	1.50	
96# 1/2 x 6, 1/2	"	4.76	4.57	
13# 1/2 x 7	"	4.98	.65	
145# 1/2 x 7, 1/2	"	5.20	7.54	
53# 1/2 x 8	"	5.42	2.87	
140# 1/2 x 8, 1/2	"	5.64	7.90	
82# 1/2 x 9	"	5.86	4.81	
46# 1/2 x 9, 1/2	"	6.08	2.80	
50# 1/2 x 10	"	6.30	3.15	
50# 5/8 x 2, 1/2	"	5.20	2.60	
160# 5/8 x 4	"	6.22	9.95	
64# 5/8 x 4, 1/2	"	6.39	4.09	
82# 5/8 x 5	"	6.90	5.66	
76# 5/8 x 5, 1/2	"	7.34	5.50	
125# 5/8 x 6	"	7.59	9.48	
48# 5/8 x 6, 1/2	"	7.92	3.80	
105# 5/8 x 7	"	8.26	8.67	
112# 5/8 x 7, 1/2	"	8.60	9.63	
74# 5/8 x 8	"	8.94	6.62	
69# 5/8 x 8, 1/2	"	9.28	6.40	
47# 5/8 x 10	"	10.30	<u>4.84</u>	
	Less 60-10%		113.59	<u>40.90</u>

Forward ¹²

2829.65

Ashland Mine.

I R O N & S T E E L (Continued).

				Forward	2829.65
57#	1/2 x 2	Machine Bolts	3286	2.20	
50#	1/2 x 1, 1/2	"		1.93	
23#	1/2 x 3	"	4.38	1.01	
71#	1/2 x 3, 1/2	"	4.64	3.29	
11#	5/8 x 2, 1/2	"	5.96	6.56	
34#	5/8 x 3	"	6.34	2.16	
80#	5/8 x 3, 1/2	"	6.72	<u>5.38</u>	
Less 65-10%				22.53	7.10
312#	1"	Bolt Ends	4.35		13.57
75#	1, 1/4	"	4.00		3.00
27#	3/4 x 11	Lag Screws	.055		1.49
2	Gross 1 x 10	Wood screws	.25		.50
1/2	" 1 x 9	"	.25		.13
1/2	" 1 x 7	"	.30		.15
1#	S. W. Brads	1"	.07		.07
1#	"	1, 1/4"	.07		.07
1#	"	1, 1/2"	.07		.07
1/2#	"	1, 1/8" 2"	.07		.04
3#	Wire Netting	Staples	.05		.15
3#	Barb Wire	Staples	.0325		<u>.26</u>
				25.58	<u>26.60</u>
Total Iron & Steel					2856.25

THE CLEVELAND - CLIFFS IRON COMPANY

A S H L A N D M I N E .

O I L G R E A S E & C A N D L E S

48-1/2	Gal. Jupiter valve oil	.25	12.12	
134	Gal. E. Cylinder oil	.20	26.80	
92-1/2	Gal. Spe. Red Engine oil	.135	12.49	
46	Gal. Air Cylinder oil	.32	14.72	
224	Gal. Zero oil	.105	23.52	
242	Gal. C.T. oil	.10	24.20	
72	Lbs. Dilly Fat (Grease)	.10	7.20	
35	Gal. Kerosene	.115	4.02	
24570	Lbs. E.L. Candles (585 boxes)	.0725	1781.32	
332	Lbs. Sunshine	.05	16.60	
540	Lbs. Cotlene	.03	16.20	
172	Lbs. Drilling Compound	.05	8.60	
2-3/4	Gal. Lard Oil	.60	<u>1.65</u>	<u>1949.44</u>
Total Oil Grease & Candles				1949.44

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

50	Ft. Lace Leathers 1/2"	.01	.50	
10	5/8 x 12 Water Gauge Glasses	.09	.90	
18	5/8 x 14 " " "	.12	2.16	
6	3/4 x 16 " " "	.15	.90	
4	3/8 x 16 " " "	.075	.30	
3	Water Gauge cocks	.50	1.50	
40	Lbs. Pump Springs	.30	12.00	
15	Lbs. Prescott Rubber Valves	1.00	15.00	
66	Lbs. Cameron Rubber Valves	.55	36.30	
23-1/2	Lbs. Medium soft Rubber Valves	.55	12.93	
10	Lbs. Dixons Graphite	.17	1.70	
2	Glands for Prescott Pump	2.75	5.50	
1	No. 12 Insperator		7.50	
75	Ft. 1" Drill Hose	.34	25.50	
50	Ft. 1-1/4 Blue Jacket Air Drill H Hose 14	.42	<u>21.00</u>	<u>143.69</u>
Forward				143.69

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

		Brot Ford.	143.69	
50	Ft. 1-1/2" Air Drill Hose	.40	20.00	
32	Ft. Garden Hose	.06	1.92	
150	Lbs. 48" x 7" x 3/4" Hard White Fibre	.50	<u>75.00</u>	<u>96.92</u>
11	Lbs. 48" x 7" x 5/8" Fibre	.60	6.60	
94	Lbs. Fibre Mixed Lot Less 54 & 10%	.60	<u>56.40</u>	56.70
			<u>63.00</u>	
42	Ft. 5" Pipe Covering	.12	5.04	
2	Sacks Asbestos Pipe Covering	2.00	4.00	
2	New Top Cars	216.80	433.60	
8	Lbs. Goodsells Dollar Packing	.80	6.40	
38-1/2	Lbs. 3/4" Square Flax Packg.	.21	8.09	
61	Lbs. 1" " " "	.18	10.98	
18-1/4	Lbs. 1-1/4" " " "	.21	3.83	
6-1/2	Lbs. 1/4" Round Empire "	.21	1.37	
4	Lbs. 3/8" " " "	.21	.84	
25	Lbs. 5/8" " " "	.21	5.25	
22	Lbs. 1/2" " " "	.21	4.62	
16-1/2	Lbs. 3/4" " " "	.21	3.47	
80	Lbs. Sectional & Ring " <i>Garlock</i>	.60	48.00	
12	Lbs. Crandells Ring "	.60	7.20	
12	Lbs. 1/2" Square Hyd Dump Packg	.35	4.20	
37	Lbs. 1/2" " " " "	.38	14.06	
50	Lbs. 1/16" Rainbow Packing	.45	22.50	
44	Lbs. 1/8" " "	.46	20.24	
177	Lbs. 1/8" C.B.S. "	.11	19.47	
103	Lbs. 1/16" Asbestos Sheet Packing	.03	3.09	
1-1/2	Lbs. " Wick "	.45	.67	
4	Rubber Cage Buffers	6.78	27.12	
22-1/2	Spiral Garlock Packing	.60	13.50	
4	Lbs. Kohinor "	.53	2.12	
5-1/2	Lbs. Nubian "	.61	<u>3.36</u>	<u>673.02</u>
				<u>826.64</u>
Forward				970.33

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

Brot Ford.

970.33

3	1-1/2" Flange Unions	.78	2.34	
4	2" Flange Unions	1.00	4.00	
2	2-1/2 " "	1.25	2.50	
1	3" " "		1.50	
4	4" " "	2.10	8.40	
3	5" " "	3.15	9.45	
2	6" " "	3.95	7.90	
2	10" " "	11.50	23.00	
10	12" " "	16.00	<u>160.00</u>	
	Less 70 & 5%		<u>219.09</u>	62.44
18	1/4" Malleable Unions	.18	3.24	
27	3/8" " "	.20	5.40	
15	1/2" " "	.22	3.30	
10	3/4" " "	.27	2.70	
33	1" " "	.33	10.89	
12	1-1/4" " "	.46	5.52	
5	1-1/2" " "	.58	2.90	
14	1/4" Couplings	.05	.70	
6	3/8" Malleable Couplings	.06	.36	
27	1/2" " "	.07	1.89	
57	3/4" " "	.10	5.70	
41	1" " "	.13	5.33	
6	1-1/4" " "	.17	1.02	
19	1-1/2" " "	.21	3.99	
6	2" " "	.28	1.68	
11	2-1/2" " "	.40	4.40	
1	3" " "		.60	
4	4" " "	1.00	<u>4.00</u>	
	Less 70 & 10%		<u>63.62</u>	<u>17.18</u>
				<u>79.62</u>

Forward

1049.95

16

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

		Brot Ford.	1049.95
11	5" Couplings	1.65	18.15
7	6" " "	2.40	<u>16.80</u>
	Less 70 & 10%		<u>34.95</u> 9.44
11	3/4 x 1/2 Reducers	.10	1.10
6	1 x 3/4 " "	.16	.96
12	1-1/4 x 1 " "	.20	2.40
8	1-1/2 x 1-1/4"	.28	2.24
8	2 x 1-1/2 " "	.45	3.60
3	6 x 5 " "	2.70	8.10
3	3 x 2 " "	1.00	<u>3.00</u>
	Less 75%		<u>21.40</u> 5.35
13	3/8 x 1/4" Bushings	.02	.52
14	1/2 x 3/8" " "	.04	.56
7	3/4 x 1/2" " "	.05	.35
23	1 x 3/4" " "	.06	1.38
9	1-1/2 x 1-1/4"	.09	.81
23	2 x 1-1/2" " "	.14	3.22
11	2-1/2 x 2" " "	.21	2.31
8	3 x 2-1/2" " "	.30	2.40
10	4 x 3" " "	.50	<u>5.00</u>
	Less 70 & 10%		<u>16.55</u> 4.47
5	5 x 4" " "	.93	4.65
4	6 x 5" " "	1.25	5.00
13	2 x 1" " "	.12	<u>1.56</u>
	Less 70 & 10%		<u>11.21</u> 3.02
1	2-1/2" Cast Tees		.73
3	3" " "	1.10	3.30
4	4" " "	1.75	7.00
6	5" " "	3.00	18.00
2	6" " "	4.00	<u>8.00</u>
	Less 70%		<u>37.03</u> <u>11.11</u> <u>33.39</u>

Forward

1083.34

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

Brot Ford.

1083.34

13	1/4"	Malleable Tees		.07	.91	
9	3/8"	"	"	.08	.72	
12	1/2"	"	"	.11	1.32	
26	3/4"	"	"	.15	3.90	
19	1"	"	"	.25	4.75	
28	1-1/4"	"	"	.50	8.40	
10	1-1/2"	"	"	.45	4.50	
6	2"	"	"	.60	3.60	
2	3"	"	"	1.70	3.40	
8	2-1/2"	"	"	.73	<u>5.84</u>	
			Less 75%		<u>37.34</u>	9.34
9	1/4"	Malleable Elbow		.04	.36	
5	3/8"	"	"	.06	.30	
13	1/2"	"	"	.10	1.30	
21	3/4"	"	"	.15	3.15	
19	1"	"	"	.22	4.18	
11	1-1/4"	"	"	.25	2.75	
8	1-1/2"	"	"	.35	<u>2.80</u>	
			Less 75%		<u>14.84</u>	3.71
5	3"	Cast Elbows		.75	3.75	
8	4"	"	"	1.20	9.60	
1	5"	"	"		2.00	
6	6"	"	"	2.75	16.50	
3	8"	"	"	6.75	20.25	
2	10"	"	"	10.00	<u>20.00</u>	
			Less 70%		<u>72.10</u>	21.63
18	3/8"	"	Plugs	.02	.36	
14	1/2"	"	"	.02	.28	
4	3/4"	"	"	.03	.12	
17	1"	"	"	.04	.68	
3	1-1/4"	"	"	.05	<u>.15</u>	
			Less 70 & 10%		<u>1.59</u>	<u>.43</u>
						<u>35.11</u>
			Forward			1118.45

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

Brot Ford

1118.45

6	1-1/2" Cast Plugs	.07	.42		
7	2" " "	.10	.70		
5	3" " "	.25	1.25		
7	4" " "	.42	2.92		
2	5" " "	.88	1.76		
1	6" " "		1.20		
1	7" " "				
	Less 70 & 10%		<u>1.40</u>		
			9.67	2.61	
5	1-1/2 Return Bends	.40	<u>2.00</u>		
	Less 70 & 10%			.54	
12	1/4" Glass Globe Valves	.72	8.64		
9	3/8" " " "	.77	6.93		
12	1/2" " " "	1.00	12.00		
18	1" " " "	1.80	32.40		
8	1-1/4" " " "	2.52	20.16		
4	1-1/2" " " "	3.50	14.00		
1	2" " " "	5.30	5.30		
2	1-1/4" " Gate Valves	3.50	10.50		
2	1-1/2" " " "	5.00	10.00		
3	2-1/2" " " "	14.00	42.00		
3	3" I.B. " " "	15.00	45.00		
1	6" " " "		30.00		
2	1" Brass Gate " "	2.50	<u>5.00</u>		
	Less 70%		241.93	<u>72.58</u>	<u>75.73</u>
	Forward				1194.18

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

Brot Ford.

1194.18

2	2" Brass Swing Check Valves Less 65 & 10%	7.50	<u>15.00</u>	4.73
8	1" " Steam Cocks Less 70 & 10%	2.35	<u>18.80</u>	5.08
5	1/4" Bibb Cocks	.18	.90	
5	3/8" " "	.10	.50	
1	1 Qt. Detroit Lubricator		5.50	
16	Feet 3/8" Black Pipe	.0225	.36	
119	" 3/4" " "	.04	4.76	
242-1/2	" 1-1/2" "	.093	22.55	
19	" 1-1/2" " Extra heavy	.1725	3.28	
195	3 x 8" Brass Brake Shoes	.15	29.25	
40	3 x 5" " " "	.05	2.00	
30	3 x 8" Maple " " Old stock	.05	1.50	
50	3 x 5" " " " " "	.05	2.50	
<u>RAND DRILL PARTS.</u>				
43	Chuck Forgings	.11	4.73	
2	Rotating Bars		10.80	
3	Feek)Screw Handles		2.40	
16	Piston Packing Springs		1.80	
6	Pawl Springs		.24	
8	C. & H. Packing	.40	3.20	
8	Rockers	4.40	35.20	
5	Feed Nuts	4.00	20.00	
11	Jam Nuts for Feed Nuts	.40	4.40	
4	Cylinder Buffers	1.00	4.00	
3	C. & H. Bushing	4.20	12.60	
3	Chuch "	2.00	6.00	
2	Standards	5.00	10.00	
14	Rocker Pins	.80	11.20	
14	Steam Chest Studs	.24	3.36	
34	" " Nuts	.08	<u>2.72</u>	<u>205.75</u>
				<u>215.56</u>

Forward

1409.74

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

Brot Ford.

1409.74

INGERSOLL-SARGENT DRILL PARTS

24	Cup Leathers	.10	2.40
2	Cranks	1.66	3.32
5	Feed Nuts for D-24	3.25	16.25
5	" "	3.25	16.25
62	Piston Bushing	2.00	124.00
1	Front Head		16.75
2	Arm Clamps	13.50	27.00
4	Piston Rings	2.50	10.00
5	" " Springs	.25	1.25
5	Auxillary Valves	2.50	12.50
18	Brass Rotary Nuts	2.50	45.00

SULLIVAN DRILL PARTS

1	Feed Nut		3.25
5	Chuck Bushing	1.75	8.75
11	Leather Packing	.10	1.10
9	Pawl Springs	.03	.27
155	Lbs. Brass Pump Bushings	.35	54.25
2	Rear Mang. Skip Wheels 12" 206#	.095	19.57
2	" " " 12" 130#	.095	12.35
2	14" " Car " 116#	.085	9.86
4	12" " Skip " 216#	.085	18.36
250	Lbs. 12" Cast Car "	.265	6.63
765	Lbs. 16" Mang. Rear SkipWheels	.085	65.03
160	Lbs. 10" Cast Car "	.265	4.24
450	Lbs. 14" " " "	.265	11.93
356	Lbs. Skip Wheel Bushings	.265	9.43
100	Lbs. " " " (cap)	.265	2.65
880	Lbs. Car Boxes	.025	22.00
37-1/2	Lbs. " " Brasses	.26	9.75
12	C. I. Bushings	.87	<u>10.44</u>

544.58

Forward

1954.32

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

Brot Ford

1954.32

127	Lbs. No.159 Sprocket Wheel	.045	5.72	
128	Lbs. No.F-53 Propelling Sprocket Wheel	.045	6.16	
1	No. 244 Housing & Sprocket Wheel		18.60	
400	Lbs. No.99 & 100 Set Boiler Grate	.03	12.00	
560	Lbs. 24" Shieves	.265	14.84	
360	Lbs. 18" " (Large Hub)	.265	9.54	
461	Lbs. 18" "	.265	12.22	
110	Lbs. Cast Foot Blocks	.265	2.92	
252	Lbs. " Spools	.265	6.68	
1112	Lbs. " Foot Block(Prescott)	3.30	36.70	
1	F. Keyed Head for Gates Crusher		3.00	
540	Lbs. Arms & Caps for Post	.265	14.31	
171	Lbs. Pump Bushings	.265	4.53	
132	Lbs. Nuts for Dow Col.Jack	.265	3.50	
464	Lbs. Shaft Turn Pulley	.265	12.30	
120	Lbs. Nuts for Sgl.Col.Jack	.265	3.18	
90	Lbs. Skip Wheel Bushings	.265	2.39	
80	Lbs. Col.Head Block	.265	2.12	
115	Lbs. " Foot "	.265	3.05	
60	Lbs. Base "	.265	1.59	
	Frnt. on Engine from Lake Shore Engine Works		<u>67.20</u>	<u>242.55</u>
	Total Machinery Supplies			2196.87

THE CLEVELAND - CLIFFS IRON COMPANY .

BUILDING MATERIAL

2	Pcs. 12 x 12 - 10 Pine	240'	20.00	4.80	
17	Pcs. 12 x 12 - 12 "	2448'	19.00	46.51	
14	Pcs. 12 x 12 - 14 "	2352'	18.00	42.34	
132	Pcs. 12 x 12 x - 16"	25344'	19.00	481.54	
10	Pcs. 12 x 12 - 18 "	2160'	19.00	41.04	
12	Pcs. 12 x 12 - 20 "	2880'	20.00	57.60	
4	Pcs. 12 x 12 - 24 "	1152'	19.00	21.89	
1	Pcs. 12 x 14 - 12 "	168'	18.00	3.02	
28	Pcs. 12 x 12 - 4 "	1344'	19.00	255.54	
6	Pcs. 10 x 12 - 10 "	600'	20.00	12.00	
52	Pcs. 10 x 12 - 20 "	10400'	20.00	208.00	
3	Pcs. 10 x 12 - 16 "	480'	19.00	9.12	
3	Pcs. 10 x 10 - 12 "	300'	16.50	4.95	
1	Pcs. 10 x 10 - 14 "	117'	14.00	1.64	
1	Pcs. 14 x 14 - 12 "	196'	21.00	4.12	
1	Pcs. 14 x 14 - 18 "	294'	21.00	6.17	
1	Pcs. 12 x 12 - 9 "	108'	19.00	2.05	
1	Pcs. 5 x 8 - 12 Tam	40'	19.00	.76	
10	Pcs. 5 x 8 - 14 "	466'	19.00	8.85	
72	Pcs. 6 x 7 - 16 "	3976'	18.00	71.57	
70	Pcs. 5 x 8 - 16 "	3733'	19.00	70.93	
1	Pcs. 10 x 10 - 16 "	213'	20.00	4.26	
8	Pcs. 6 x 14 - 16 Pine	896'	19.00	17.02	
38	Pcs. 6 x 12 - 16 "	3648'	18.00	65.66	
1	Pcs. 8 x 8 - 16 Hem	85'	11.50	.98	
7	Pcs. 8 x 8 - 24 Pine	896'	19.00	17.02	
30	Pcs. 8 x 8 - 12 Hem	1920'	11.50	22.08	
15	Pcs. 4 x 12 - 16 Tam	960'	20.00	19.20	
7404	Feet 4 x 6 Pine		16.00	<u>118.46</u>	<u>1389.12</u>

Account error in footing Building Material
on original Inventory

68.92

1458.04

THE CLEVELAND - CLIFFS IRON COMPANY

BUILDING MATERIAL (Cont'd)

		Brot Ford.	1458.04
620	Ft. 1" Hardwood	15.00	9.30
1070	Ft. 1-1/2" "	14.00	14.98
3795	Ft. 2" "	16.00	60.72
150	Ft. 2" Oak	16.00	2.40
732	Ft. 4 x 6 "	13.00	9.52
64	Ft. 6 x 8 "	13.00	.83
410	Ft. 4 x 4 "	13.00	5.33
75	Ft. 4 x 8 "	13.00	.98
3000	Ft. 2" Hemlock	12.00	36.00
1750	Shingles	3.25	5.69
22957	Wedges	.0125	286.96
100	Ft. Hardware Flg.	32.00	3.20
350	Ft. Hemlock Ship Lap	16.00	5.60
250	Ft. No.2 Lap Siding	18.00	4.50
100	Ft. 1/2" Basswood	25.00	2.50
75	Ft. 1" Clear Pine	55.00	4.13
10	Prs. 4" Strap Hinges	.09	.90
8	Prs. 6" " "	.10	.80
8	Prs. 8" " "	.15	1.20
2	Rim Locks	.15	.30
30	Pr. 4" Hasps	.04	1.20
3.78	Squares Corrugated iron 2'x9'	3.25	12.29
18.8	" " " 2'x10'	3.25	61.10
1	Roll Building Paper		.80
6	14 x 24" Glass	.41	2.46
19	12 x 28" "	.30	5.70
12	12 x 30" "	.30	3.60
17	12 x 32" "	.32	5.44
23	No.2 Gla. Points	.04	<u>.92</u>

549.35

Forward

2007.39

BUILDING MATERIAL (Cont'd)

		Brot Ford		2007.39
2/3	Bbl. Portland Cement	3.00	2.00	
1	Sand Screen		3.00	
23	Pcs. 2-1/4 x 4-1/2 - 14 Ladder Side Spruce 272'	17.00	4.62	
106	Pcs. 2 x 4 - 16 Ladder Sides Spruce	15.50	<u>17.52</u>	<u>27.14</u>
Total Building Material				2034.53

A S H L A N D M D N E

EXPLOSIVES .

300	Lbs. 27% Powder	9.20	73.60	
250	Lbs. 50% "	12.00	30.00	
300	Lbs. 50% Amonia Powder	11.50	34.50	
1100	Feet fuse	4.25	4.67	
4300	Caps	5.50	<u>23.65</u>	<u>166.42</u>
	Total Explosives			166.42

Ashland Mine.

M I N E T I M B E R .

1450	Pcs Old Timber 7'	.2525	366.12
360	" 14' "	.505	181.80
5015	" 7' "	.19	952.85
728'	" 6' "	.17	123.66
1500	" Cribbing	.05	75.00
385	Cords 8' Lagging	3.50	1347.50
227	" 7' "	3.25	737.75
15	Poles 24' long 12" top	2.88	43.20
40	" 40' Long 12" "	4.80	192.00
7	" 35' "	4.20	29.40
23	" 24' "	2.88	66.24
110'	Poles	.07	7.70
2	Cedar Poles 45'	3.00	6.00
10	" 30'	3.00	30.00
200'	"	.07	<u>14.00</u>
			4173.32
		25%	<u>1043.33</u>

Total Mine Timber

3129.99

F U E L .

2904 ¹⁵⁰⁰	Tons Soft Coal	3.30	9585.68
641, 1/2	"	3.92 1/2	<u>2517.67</u>
	Less 65.00 Frt. not paid		12103.35
			<u>65.00</u>

Total Fuel

12038.35

Ashland Mine.

B A R N.

1012 Bushel Oats	.355	359.26
390# Bran	.925	3.60
1,1/2 Tons Hay	12.25	18.37
90# Horse shoe	.0425	3.83
2 Curry Combs	.14	.28
3 Brush	.36	1.08
23 2" Snaps	.0425	.98
24 1" "	.0425	.30
12 Hame Straps	.14	1.68
8 Lazy Straps	.15	1.20
3 Martingales	.88	2.64
4 Sweat Pads	.23	.92
3 Pole Straps	.75	<u>2.25</u>

Total Barn

396.39

~~MINE EQUIPMENT~~
M I N E E Q U I P M E N T.

DIAMOND DRILLS

1 Bullock Crescent Drill with swivel head and lot of rods, 1' x 1,5/8 x 8 & 10 (old)		492.40
1 7' ConcBarrel		14.00
1 8' "		21.00
1 4' "		8.00
1 2,1/2'"		5.00
1 3' "		6.00
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		<u>2.00</u>

28

Forward

600.65

Ashland Mine.

MINE EQUIPMENT (Continued)

DIAMOND DRILLS (Continued)

	Forward		600.65
1	^{Bill} Double Chuck		.25
2	Chopping Bitts		10 00
1	Top for Drill Rods		2.50
2	Casing Bitts		4.00
1	Hoisting Swivel		1.00
4	Core Lifters		6.00
1	" Couplings		1.50
1	10' Core Barrel		21.00
2	"A" S. R. Core Lifters	3.25	6.50
1	"A" Core Barrel		9.90
1	Core Shell		3.80
2	Taper Core Springs	5.00	10.00
1	4" Vise		6.75
1	"A" Bitt Gauge		<u>1.00</u>
			<u>84.20</u>
			684.85
	Less 100%		<u>684.85</u>
		Total Diamond Drill	00.00

POWER DRILLS.

2	W. E. 3, 1/2 Sullivan Drills	100.00	200.00
2	W. D. 3 "	100.00	200.00
1	W. 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 Grant Rand	50.00	<u>200.00</u>
			1648.54
	100%		<u>1648.54</u>
			0000.00

A S H L A N D M I N E .

M I N E E Q U I P M E N T (Cont 'd)

POWER DRILLS

5	E.24 I.S.Drills Complete Tripods & Clamps	205.00	1025.00	
4	E.24 I.S.Drills	155.00	620.00	
6	Rand Tripods, Small		0.00	
10	Posts & Clamps		0.00	
4	4" Col. Arm Clamps		48.00	
4	4-1/2" " "		52.00	
1	D-24 I.S. Drill		<u>155.00</u>	
			1900.00	
	10% 1901	100%		<u>00.00</u>
	Total Power Drills			00.00

P O R T A B L E M A C H I N E R Y

PUMPS

1	Prescott Duplex Compound 14 x 26 x 18 x 10 comp. with 7 x 12 x 12 condensor 1900 13th Level No.3		2430.00	
1	Prescott Vert.Sinker 13th Level No.3		700.00	
1	Prescott Vert.Sinker Loaned		700.00	
1	Prescott Duplex non-condensor 22 x 14 x 18,6th Level No.7		810.00	
1	Prescott Duplex non-condensor 22 x 14 x 18.10th Level No.7		810.00	
1	Worthington Condensor No.7 7-1/2 x 10-1/2 x 10 Tank House		210.92	
1	Worthington Duplex Compound Plunger pumping engine 15 x 23 x 9-1/4 x 24 with No.5 Worthington Condensor 7-1/2 x 8-1/2 x 10 10th Level No.4,94.		2946.69	
1	Worthington Duplex feed pump 7-1/2 x 5 x 6 Boiler House		50.00	
1	No.5 Knowles Feed Boiler Boiler House		35.00	
1	No.5 Cameron Pump, Tank House		38.93	
1	No.5 Cameron Pump,10th Level No.9		61.07	
2	No.7 Cameron Pumps,13th Level No.7		133.62	
1	No.8 Cameron Pump, Boiler House		0.00	
1	No.8 Cameron Pump, Loaned		66.70	
2	No.9 Cameron Pumps,13th Level No.3		<u>85.52</u>	
	Forward		9078.45	

Ashland Mine.

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

		Forward	9078.45
1	#9 Cameron Spiral Pump 10th Level #4	125.00	
1	#9 Cameron Pump 10th #5	125.00	
3	#10 " " Loaned	819.25	
1	#10 " " Tank House	200.00	
1	#10 " " In old Ware House	219.24	
2	10 x 14 x 16 Ind Pump and Condensor		
	Belonging to Prescott Pump in #7, now		
	in ware house	1000.00	
1	Rice Automatic Engine Machine Shop	75.00	
1	Marinette Hoist 6 x 8 Duplex 18" Drum '89-10 th lev #7 shaft.	40.50	
1	Marinette Hoist 6 x 8 x 16 Drum on 6, 1/2		
	Level (Old #6 Shaft)	80.32	
1	Iron Bay Hoist 8 x 10 x 36, #7 Shaft	60.75	
1	Frazers & Chalmers 6 x 8 with 18" Drum in Machine Shop	27.00	
1	Bullock #1 6 x 8 12" Drum on surface at old #6		
	Shaft.	<u>68.04</u>	
		11926.54	
		<u>5963.27</u>	
	30%		
	Total Portable Machinery		5963.27

THE CLEVELAND-CLIFFS IRON COMPANY .

ASHLAND MINE

Record.

- 1 Ingersoll Straight Line Air Compressor 24 x 20
12 Drills, with Myers Cut Off, Loaned C.C.I.Co.
Ishpeming, Mich.
- 1 Locomotive Boiler 11 x 40 Loaned Pense & Snyder
- 1 Upright Boiler 40 x 72 with stack
Loaned Harmony Iron Co.
- 2 Boilers No.3 and No.4 16" x 54", 1886 sold for
scrap in 1901
- 1 Locomotive Boiler 11 x 40, sold for scrap by
Hayes Bros. taken away in 1902
- 1 Prescott Vert. Sinker Loaned C.C.I.Co.Ishpeming,Mich.
- 3 No.10 Cameron Pumps, Loaned C.C.I.Co. Ishpeming, Mich.
- 1 No.8 Cameron Pumps, Loaned C.C.I.Co. Ishpeming, Mich.
- 1 6 x 8 Marineette Hoist at Shop)
1 Small Hoist, 6-1/2 for #7 Shaft) Belongs to Harmony Iron Co.
1 Small Engine in Labratory)

CARS SKIPS & DERRICKS

64	1 Ton cars underground	5.00	320.00
38	1/2 " " "	3.75	142.50
10	2 " Top Cars	5.00	50.00
5	2 " Skips	43.75	218.75
3	2 " " Old	12.00	36.00
2	1-1/2 Ton " "	2.50	5.00
4	Boilers	18.25	75.00
2	2 Ton Buckets	10.00	20.00
4	1 " "	3.75	15.00
2	1-1/2 Ton "	2.50	5.00
3	4 " Skips New(No.9Shaft)		
1	Double deck Cage (" 9 ")		
1	Cage in No.7 Shaft		
2	4 Ton Top cars New (No.9 shaft)		
1	5 " Rock Car " (" 9 ")		

less 100%
887.25

Total Cars, Skips & Derricks

000.00

A S H L A N D M I N E

STEAM SHOVELS

1	45 Ton Bucyrus Steam Shovel	1800.00	
	40% 1901		1080.00
	60% 1902		720.00
			<hr/>
	Total Steam Shovels		720.00

B A R N

1	Bay Mare	"Doll"	125.00	
1	Bay Horse	"Charlie"	125.00	
1	Gray Mare	"Nell"	125.00	
1	Gray Horse	"Prince"	125.00	
1	Gray Mare	"Bess"	150.00	
1	Gray Mare	"Queen"	125.00	
1	Set Double Harness		25.00	
1	Set Double Harness		30.00	
1	Set Double Harness		35.00	
3	Pair Stable Blankets	4.00	12.00	
3	Pair Storm Blankets		<u>12.00</u>	
			889.00	
		50%		<u>444.50</u>
		25% 1901		
	Total Barn			444.50

CARTS WAGONS & SLEIGHS.

1	Road Wagons	20.00	
2	"	10.00	
1	"		
1	Truck	10.00	
1	"	65.00	
4	Pair Sleighs	10.00	
1	" "	25.00	
1	" "	20.00	
1	Dump Cart	50.00	
1	Saw Dust Box	5.00	
			<hr/>
			215.00

100%
Total Carts, Wagons & Sleighs 215.00 00.00

A S H L A N D M I N E

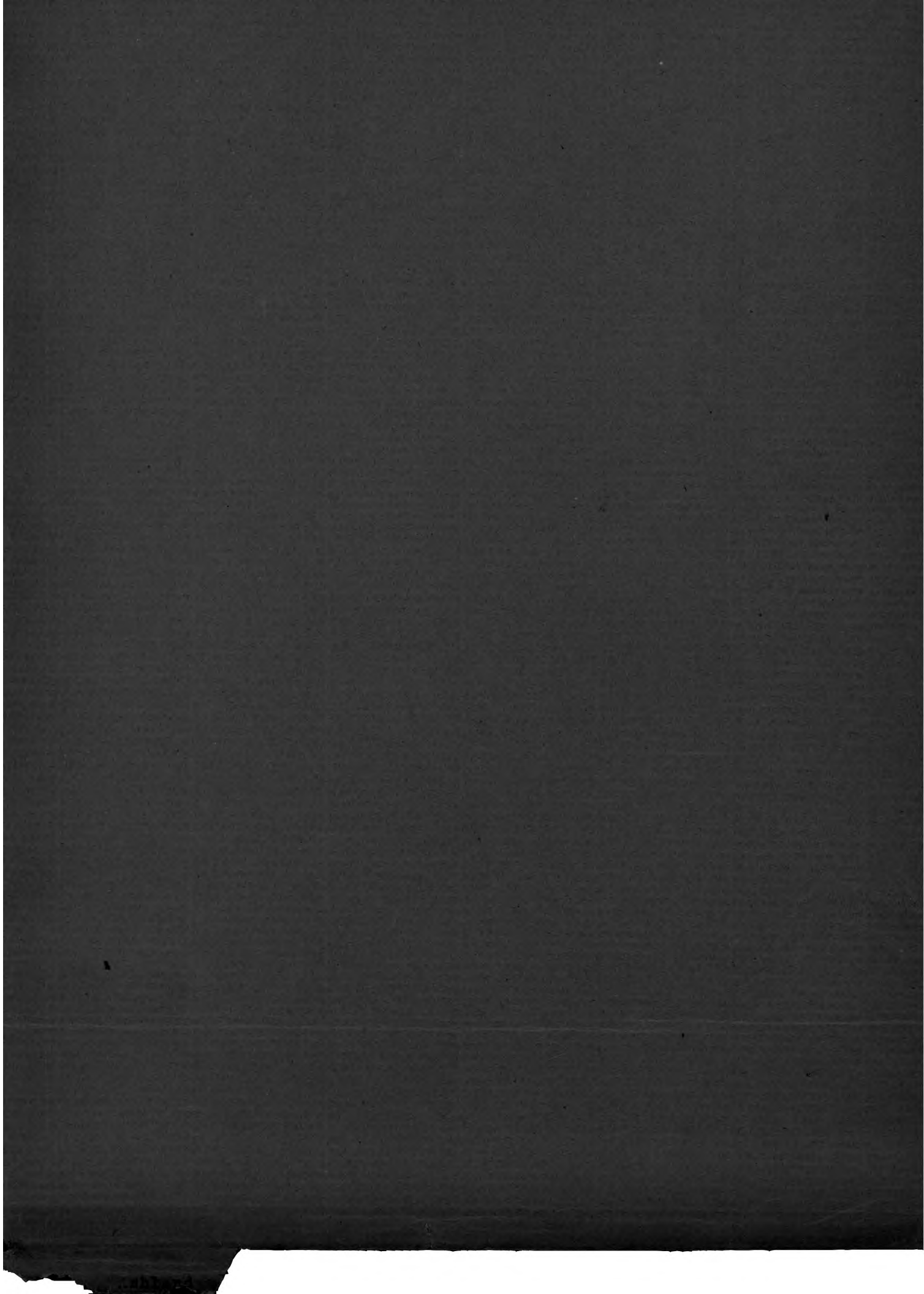
RECAPITULATION

General Supplies	1118.62
Iron & Steel	2856.25
Oil Grease & Candles	1949.44
Machinery Supplies	2196.87
Building Material	2034.53
Explosives	166.42
Mine Timbers	3129.99
Fuel	12038.35
Barn	<u>396.39</u>

25886.86

MINE EQUIPMENT

	Valuation	% Deduction	Deduction	
Diamond Drills	684.85	100%	684.85	
Power Drills	3548.54	100%	3548.54	
Portable Machinery	11926.54	50%	5963.27	5963.27
Cars Skips & Derricks	887.25	100%	887.25	
Steam Shovels	1800.00	60%	1080.00	720.00
Barn	889.00	50%	444.50	444.50
Carts Wagons & Sleighs	215.00	100%	215.00	
		Total		7127.77
		Grand Total		33014.63



WEBSTER MINE

BUILDINGS.

- 1 Frame Engine House and Boiler House Connected
- 1 Frame Dry House
- 4 Frame Dwellings

P L A N T

- 1 Hoisting Engine, Webster, Camp & Lane 20 x 32 Cylinder
- 2 5' Drums, Bought from Iron Cliffs Co. "Fitch" 1000' Wire Rope
- 1 No. 20 Hancock Inspirator
- 1 Steam Feed Water Heater
- 1 6 - 4 - 6 Prescott Pump (Boiler Feed)
- 2 No. 5 Knowles Pumps, Bought from Cliffs Shaft & Hard Ore
- 1 3-1/2 x 15 Boiler
- 1 60" x 16' Horizontal Tubular Boiler, Bought from Michigamme Mine
- 1 Water Tank 15 x 15 x 10
- 1 2 Ton Skip
- 6 Iron Tram Cars
- 2 Wood Tram Cars

I M P E R I A L M I N E .

BUILDINGS

- 1 Frame Engine House
- 1 Office connected with engine house
- 1 Frame Warehouse
- 1 Frame Carpenter & Blacksmith shop connected
- 1 Frame Dry House, Built by Cleveland Iron Mining Co.
- 1 Frame Dump House, Built by Cleveland Iron Mining Co.
- 1 Frame two story barn
- 2 Frame Dwelling Houses
- 1 Log Dwelling House

P L A N T

- 2 3-1/2' x 15' Boilers
- 1 No. 15 Hancock Inspirator
- 1 Hoisting Engine with 2 - 5' drums
- 1 Water Heater, Bought of Cleveland-Cliffs Iron Co.
- 1 No.5 Knowles Pump - East Pit- Bought from Cliffs Shaft
- 1 No. 6 Knowles Dump Boiler Feed, Bought from Lake Mine
- 1 6 - 4 - 6 Worthington Pump, Belongs to Titan Mine
- 1 No.7 Knowles Pump, West Pit, Bought from Michigamme Mine
- 1 Air Receiver, Bought from Foster Plant
- 1 Air Compressor, Bought from Foster Plant, Loaned to Maas
- 8 No.3 Drill Machines, Bought from Michigamme Mine
- 1 Boiler at River, Bought from Michigamme Mine
- 1 Water Tank 15 x 15 x 10 Built by Cleveland-Cliffs Iron Co.
- 300 Feet Water Hose, Loaned to Michigamme Fire Department
 - 1 1" Nozzle " " "
 - 1 Hose Cart, " " "
- 2 1 Ton Skips
- 14 Iron Tram Cars

I M P E R I A L M I N E

GENERAL SUPPLIES

25	Lbs. White Lead	.07	1.75
5	Lbs. Metal Polish	.20	1.00
5	Hand Saws	7.50	3.13
4	Axes	6.50	2.16
30	Picks	8.50	21.25
2	Pails	3.50	.58
1	10" Flat B.File		.14
1	12" " "		.20
1	16" Square File		.45
1	18" Round File		.50
15	Hammer Handles	1.20	1.50
108	P.Pick Handles	1.10	9.90
7	Adze Handles	1.25	.72
2	Broad Axe Handles	1.25	.21
4-1/2	Lbs. Babbitt	.35	1.58
12	S.Hammers 7#	.09	7.56
1	Broom		.30
10	Axe Handles	1.25	1.04
5	Shovels	9.00	3.75
5	Shovel Handles	.10	.50
2	Street Lamps	4.25	8.50
18	Street Lamp Globes	.40	7.20
8	Rochester Chimneys	1.80	1.20
9	Lantern Globes	.75	.56
1	16 lb. Sledge	.09	1.44
10	Lbs. Salamoniac	.20	2.00
1	Doz. Rochester Wicks		.25
2-1/2	Bbls. Salt	1.10	2.75
10	Lbs. Oakum	.10	1.00
27	Pony Insulators	.02	<u>.54</u>

Total General Supplies

83.66

I M P E R I A L M I N E

IRON & STEEL

30	Lbs. Shingle Nails	.03 1/2	1.05	
50	Lbs. Boat Spikes	.04	2.00	
150	Lbs. Nuts Asst'd	.07	10.50	
125	Feet 30# steel rail 1250#			
47	Feet 20# "	<u>312</u>		
		1562 #	12.50	9.76
1670	Lbs. Bar Iron	.025	<u>41.75</u>	
Total Iron & Steel				65.06

I M P E R I A L M I N E

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

12	3/8" Tees		.08	.96	
7	5/8" "		.12	.84	
11	3/4" "		.12	1.32	
4	1-1/2" "		.29	1.16	
1	2" "			.41	
1	2-1/2" "			.73	
3	3" "		1.10	3.30	
2	6" "		4.00	8.00	
				<u>16.72</u>	
		Less 75 & 5%			3.97
5	1/4" Elbows		.05	.25	
5	1/2" "		.06	.30	
2	3/4" "		.08	.16	
6	1" "		.11	.66	
11	1-1/4" "		.16	1.76	
6	1-1/2" "		.20	1.20	
5	2" "		.28	1.40	
17	2-1/2" "		.50	8.50	
4	3" "		.75	3.00	
4	4" "		1.20	<u>4.80</u>	
				<u>22.03</u>	
		Less 75 & 5 %			5.23
4	Pair 1" Flanges		.52	2.08	
2	Pair 1-1/4" "		.64	1.28	
4-1/2	Pair 2" "		1.00	4.50	
3	Pair 2-1/2" "		1.25	3.75	
1/2	Pair 3" "		1.70	.85	
1	Pair 4" "			2.10	
2-1/2	Pair 5" "		3.15	7.87	
1/2	Pair 6" "		3.95	<u>1.97</u>	
				<u>24.40</u>	
		Less 75 & 10 %			5.49

Forward

14.69

I M P E R I A L M I N E
M A C H I N E R Y S U P P L I E S (Cont'd)

		Brot Ford.	14.69
4	1/4" Unions	.18	.72
3	3/8" "	.20	.60
8	5/8" "	.27	1.62
10	1" "	.33	<u>3.30</u> 6.24
Less 80 %			1.25
7	3/4" Nipples	.08	.56
2	1" "	.10	.20
16	1-1/4" "	.14	2.24
11	2-1/2" "	.40	4.40
6	3" "	.52	3.12
3	5" "	1.42	4.26
11	6" "	1.77	<u>19.47</u> 34.25
Less 80 %			6.85
1	1/4" Coupling		.05
17	3/4" "	.10	1.70
2	1" "	.13	.26
4	1-1/4" "	.17	.68
1	1-1/2" "		.21
13	2" "	.28	3.64
6	2-1/2" "	.40	2.40
1	3" "		.60
2	4" "	1.00	2.00
11	5" "	1.65	<u>18.15</u> 29.69
Less 70 & 5 %			<u>8.46</u> <u>16.56</u>
Forward			31.25

I M P E R I A L M I N E

M A C H I N E R Y S U P P L I E S (Cont'd)

Brot Ford

31.25

1	1/4" Bushing		.04	
9	3/8" "	.04	.36	
3	1/2" "	.04	.12	
7	1-1/4" "	.07	.49	
1	1-1/2" "		.09	
2	2" "	.14	.28	
1	3" "		.30	
1	4" "		.50	
5	5" "	.93	<u>4.65</u>	
			<u>6.83</u>	
	Less 75 10 & 5%			1.46
3	1/2" Plugs	.03	.06	
2	5/8" "	.03	.06	
1	3/4" "	.03	.03	
7	1" "	.04	.27	
1	1-1/4" "		.05	
2	1-1/2" "	.07	.14	
1	2-1/2" "		.18	
1	3" "		<u>.25</u>	
			<u>1.05</u>	
	Less 75 10 & 5%			.22
4	3/4" Stop Cocks	1.05	4.20	
9	1" " "	1.30	<u>11.70</u>	
			<u>15.90</u>	
	Less 70%			4.77
2	1" Globe valves	1.80	3.60	
13	1-1/4" "	2.52	32.76	
7	1-1/2" "	3.50	24.50	
2	2" "	5.30	10.60	
2	3" "	14.40	28.80	
1	5/8" "		<u>1.26</u>	
			<u>101.52</u>	
	Less 70 & 10 %			<u>27.41</u>
	Forward			<u>33.86</u>
				65.11

I M P E R I A L M I N E

M A C H I N E R Y S U P P L I E S (Cont 'd)

		Brot Ford	65.11
1	1-1/2" Top Valve	4.25	
4	15" Coes Wrenches	.90	3.60
5	Lbs. 3/8" Packing Sq. Rubber	.45	2.25
3	3/4" " "	.45	1.35
5	Lbs. 1" " "	.45	2.25
10	Lbs. 1/2" Empire Packing	.28	2.80
15	Lbs. 3/8" "	.28	4.20
10	5/8" "	.28	2.80
5	Lbs. 3/4" "	.28	.140
3-1/2	Lbs. 5/8" Dollar Packing	.75	2.63
3	Lbs. 1/2" Empire Packing	.28	.84
10	Lbs. Sheet Rubber	.15	1.50
10	Lbs. Hemp Packing	.14	1.40
2	Lbs. Sheet Asbestos	.08	.16
3	Lbs. No.10 Pump Valves	.70	2.10
6	Lbs. No.7 "	.70	4.20
1	Graphite		.20
2	2-1/2" Brass Hose Coupling	1.25	2.50
1	No.20 Hancock Inspirator		13.75
2	Bbls. Fire Clay	2.50	5.00
200	Fire Brick	40.00	8.00
3	Car Wheels 180#	.0375	4.95
4	Wood Rollers		.50
54	Prs. Brake Blocks	.20	10.80
4	Skip Wheels 80 320#	.0235	4.95
11	Rotating Nuts	2.40	26.40
2	Feed Screws	6.40	<u>12.80</u>

131.43

Forward

196.54

I M P E R I A L M I N E

M A C H I N E R Y S U P P L I E S (Cont'd)

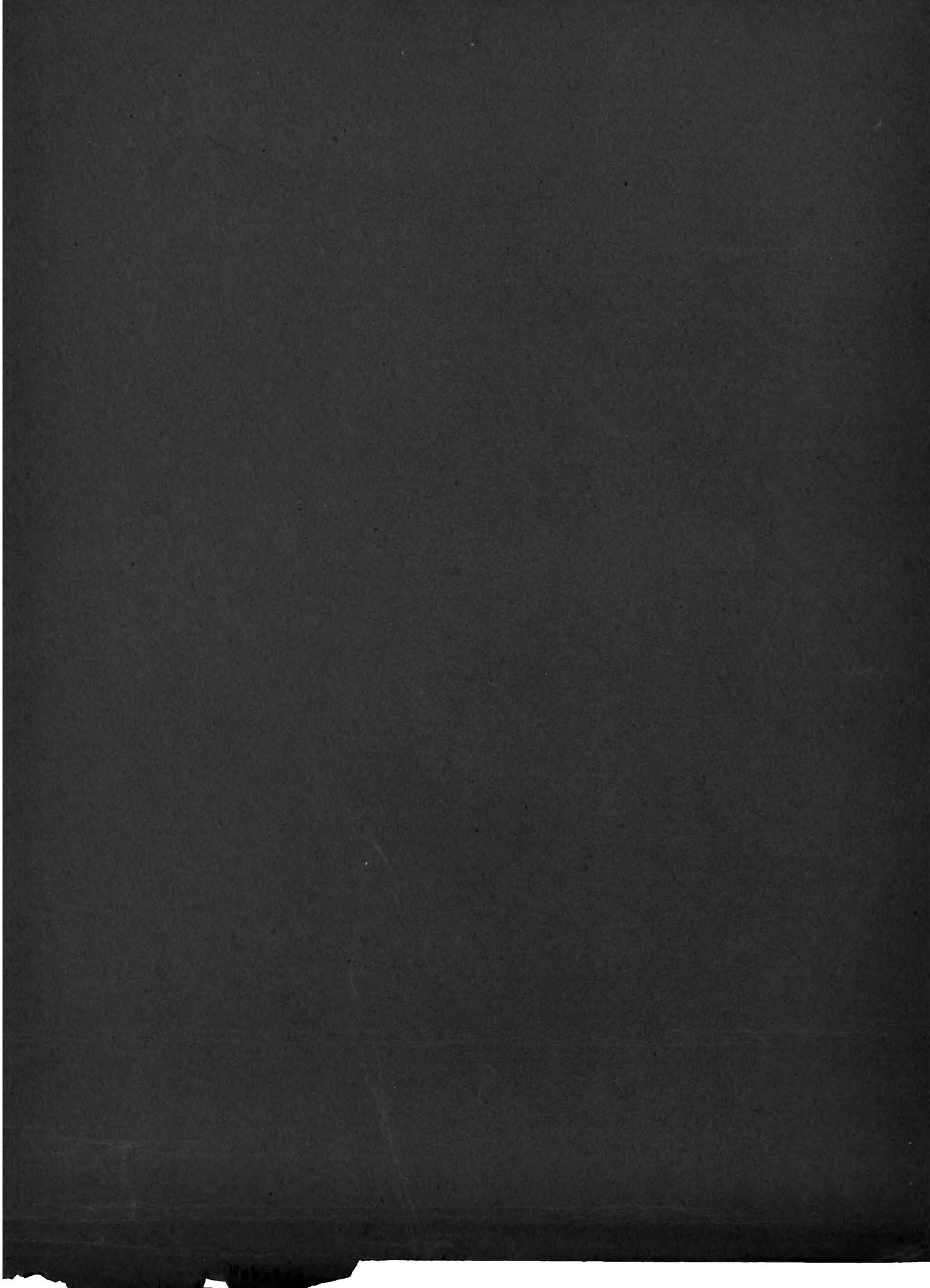
		Brot Ford.	196.54
80	Feet Pipe 3"	.755 60.40	
140	Feet " 2-1/2"	.575 80.50	
195	Feet " 1-1/2"	.27 52.65	
22	Feet " 3/4"	.115 2.53	
295	Feet " 2"	.36 <u>99.00</u>	
		295.08	235
	Less 67-1/2 %	<u>95.90</u>	<u>95.90</u>
	Total Machinery Supplies		292.44

CLEVELAND - CLIFFS IRON COMPANY

RECAPITULATION OF IMPERIAL MINE INVENTORY.

NOVEMBER 30th, 1902.

General Supplies	83.66
Iron & Steel	65.06
Oil Grease & Candles	
Machinery Supplies	292.44
Building Material	174.47
Explosives	
Mine Timber	1011.62
Fuel	920.00
	<hr/>
Grand Total	2547.25



CLEVELAND CLIFFS IRON COMPANY

MICHIGAN MINE INVENTORY, NOVEMBER 30TH, 1902.

GENERAL SUPPLIES

9	Old Squirt Cans	.10	.90
3	Old 1 Qt. Galv. Oilers	.10	.30
9	Old 2 Gal. Oil Cans	.15	1.35
10	Old 1 Gal. Oil Cans	.10	1.00
2	Old 1 Gal. Measures	.15	.30
4	Funnels	.10	.40
2	Oil Dippers	.10	.20
2	Old Pails N.G.	.20	.40
6	Old Lanterns	.15	.90
1	Old No.2 Rochester Lamp		.00
11	No. 3 Rochester Lamps	2.00	22.00
2	Old Wall Lamps	.15	.30
4	Small Drip Pans	.20	.80
3	Old Tea Pots	.15	.45
2	4" Electric Bells	3.00	6.00
5	6" Electric Bells	4.00	20.00
1	10" Electric Bell		8.00
18	Push Buttons	.20	3.60
127	Lbs. Dark Color Insulated Wire	.20	25.40
135	Lbs. Light " " "	.20	27.00
2	Old Powder Thawers	.25	.50
1	5/8" Bolt Die		.85
788'	1-1/8" Wire Rope	.06	47.28
690	Lbs. Old Chain	.02	13.80
1	Pr. Chain Blocks		8.00
1	Iron Pot		.15
1	Iron Ash Barrow (Small)		5.00
1	Old Pipe Vise No. 110		4.00
2	Ladles for Metal	.75	1.50
1	Oil Filter		<u>18.00</u>

Forward
1

218.38

MICHIGAMME MINE.

GENERAL SUPPLIES

		Brot Ford	\$18.38
1	Large Letter Press	1.50	
1	Small Letter Press	1.60	
1	Lot of Drip Pans (8)	3.50	
1	Doyle Log Rule	.25	
1	Cross Cut Saw Hdle.	.10	
6	Steel Clamps For Wood Work	.40 2.40	
3	Old 12" Monkey Wrenches	.25 .75	
5	Old 15" Monkey Wrenches	.75 3.75	
1	3" Pulley for Tackle Block	.10	
1	4-3/4" " " "	.15	
2	Prs. 16" Calipers	1.00 2.00	
1	Pr. Climbers	1.00	
1	Glue Pot	.50	
1	Oil Stove	.75	
3	Old Blasting Batteries	12.50 37.50	
4	Small Car Bitts	.15 .60	
3	Old Augers	.25 .75	
1	Small Letter Scale	1.00	
1	Waste Basket	.25	
1	Large Standing Desk	.00	
1	Small Table	1.50	
1	Drawing Board & 2 Horses	2.50	
1	Set 1-1/4 x 2" Stock Dies	4.00	
1	Set Do Do No Dies	1.50	
1	Set 3/4" Stock N.G/	.00	
1	Set 1/2 x 5/8" Bolt Dies 2 Pcs.	6.00	
1	Set 5/8" " "AB 2 Pcs.	7.50	
1	Set 3/4 x 7/8" " " 2 Pcs.	6.00	
1	Set 1 x 1-1/2" " " 2 Pcs.	7.00	
1	Set 1-1/4 x 1-1/2" " 2 Pcs.	9.00	<u>102.85</u>
Total General Supplies			321.23

MICHIGAN MINE

IRON & STEEL

159"	Feet 16# Rail =	848#		
368	" 20# "	= 2452#		
1423	" 30# "	= 14230#		
90	" 45# "	= 1350#		
445	" 56# "	= 8307 #	<u>27187#</u>	10.00 121.37
172	Lbs Old Iron Car Axles		.01	1.72
126	Lbs. Old Skip Axles		.01	1.26
129	Lbs. Old Pocket Axles		.01	1.29
197	Lbs. Old Skip Bales		.01	1.97
275	Lbs. Old 3" Bolts		.01	2.75
145	Lbs. Old Sheave Plates	(per ton)	10.00	.73
58	Lbs. Old Cast Washers	"	10.00	.29
7	Pocket Bars		<u>.00</u>	<u>.00</u>
	Total Iron & Steel			131.38

MICHIGAMME MINE

	MACHINERY	SUPPLIES	
1	Brass Expansion Joint		3.00
75	Centre Bolts	.00	
23	Cylinder Studs	.00	
11	Sets Piston Packing Rings N.G.	.00	
21	Cylinder studs N.G.	.00	
1	Old Chuck Bolt	.00	
5	Feed Nuts	1.00	
5	Old Slide Valves N.G.	.00	
12	Prs. Pawls N.G.	.00	
8	Old Valve Seats N.G/	.00	
4	No.3 C.&.P.Rods	.00	
10	Lbs. Slide Valve Cstgs.	.00	
30	Lbs. Rockers	.00	
36	Lbs. Old Stuffing Boxes	.00	
9	Lbs. Buffer Yokes	.00	
20	Lbs. Weight Clamps	.00	
2	Old Chuck Keys	.00	
3	Old Feed Hdles.	.00	
2	Old Sleeves	.00	
6	Old Stuffing Boxes	.00	
82	Lbs. Cast Iron Plugs	.00	
1	1/2 Pt. Air Cyl. Lubricator		3.00
1	1 Pt. Detroit " N.G.		
2	1 Qt. " "		7.00
10	Grease Cups	.20	2.00
6	Oil Faucets	.50	3.00
2	Small Cans Belt Cement	.25	.50
1	Socket Wrench 17-1/2X20	.00	
753	Lbs. Copper Flues	.10	75.30
27'	2" Old Leather Belt	.10	2.70
11'	3-1/2" Old Lea. Belt	.20	2.20
24'	3-1/2" " " "	.20	4.80
Total for'd			103.50

MICHIGAMME MINE

		MACHINERY	SUPPLIES		
		For'd			103.50
1	No.7 Knowles Pump Rocker		.50		
1/2	Set " " Forks		.50	.25	
1	Old Drill Chuck		.00		
1/4"	Rubber Gaskets		.10	.02	
2	Large Rubber Rings 5/8" thickx2-3/8"		.00		
8-1/2	Lbs. Black Rubber		.00		
2	1-1/4" Oil Cup Glasses		.10	.20	
3	1-1/2" " " "		.10	.30	
4	2-1/2" " " "		.10	.40	
13	Brass Hose Couplings Clamps (for Gargen hose)		.05	.65	
2	3/8" Brass Bushings		.05	.10	
4	Brass Hose Coupling Parts		.00		
1	Iron Lined Brass Bushing Finished)				
14	Lbs.Brass Bushing 5"X6-1/2" Long)			2.00	
35	Lbs. " " Split 9" Long		.20	7.00	
15	Lbs. " Journals 1 Pr.		.10	1.50	
21-1/2	Lbs. " Hose Cplg. Castings		.10	2.15	
1	2-1/2" Brass Hose Connection			1.00	
1	Small Brass Strainer			.05	
2	Cast Iron Powells Pt.Grease Cups		.25	.50	
6	No. 2 Dunkenheimer " "		.25	1.50	
4	Brass Steam Gauge Cocks		.10	.40	
2	3/4" Ball Gauge Cocks		.60	1.20	
7	No. 4-1/4 Mich.Glass Oil Cups,Lge	1.00		7.00	
2	No.11 " " " " small	.75	1.50	28.22 ⁹	
1	3" Wind Bore		1.50	1.50	
2	4" " "		2.00	4.00	
	Less 50%		2.75	2.75	
15	1" R.&.L.Hand Nipples		2.25		
	Less 80%			.45	
2	1/8" Old Pet Cocks		.05	.10	
	Forward			.10	31.52
					135.02

MICHIGAN MINE

MACHINERY ? SUPPLIES

		Forward	135.02
2	1/2" Old Pet Cocks	.10	.20
5	1/2" Pet Cocks	.15	.75
18	1" Pratts Air Cocks	.25	4.50
2	2" " " "	1.00	2.00
17'	4" Old Lea Belt	.20	3.40
10'	2" New Lea Belt	.17	1.70
Ø'	3-1/2" New Lea Belt	.25	2.25
14'	4" " " " "	.33	4.62
			19.42
5	1/2" Globe Valves repaired	1.00	5.00
5	3/4" " " "	1.26	6.30
5	1" " " "	1.80	9.00
3	3/4" Angle " "	1.26	3.78
5	1" Globe " "	1.80	9.00
	Less 85%		33.08
			4.96
2	1/2" A.D. Globe Valves	1.60	3.20
1	3/4" " " "		2.20
	Less 80%		1.08
1	1" Gate Valve		2.50
	Less 80%		.50
1	2-1/2" Iron Body Gate Valve	12.00	
	Less 75 & 10%		2.70
1	6" Toledo Clevauck Safty Valve		5.00
2	1"X24" Upright Heaters 30-1"	5.00	10.00
	(pipes each)		
1	No.3 Pipe Leg with Rear Leg cstg		.00
	(&sleeve attached)		
6	Lbs. Cast Iron Wheels	.01	.06
2	16" Manganese Hind Skip Wheels	9.98	19.96
1	16" " " Front " "		7.65
3	18" " " Tram Car " "	4.00	12.00
306	Lbs. Pocket Gear Wheels on Axles	.025	7.65
1515	Lbs. Pillow Boxes & Sheave Brkts.	.015	22.72
430	Lbs. 8" Knuckle Sheaves (per ton)	10.00	2.15
377	Lbs. 8" " " Axles	10.00	1.89
			89.08
			117.74
		Forward	252.76

MICHIGAMME MINE

MACHINERY SUPPLIES

Brot For'd

252.76

10	Tank Iron Trestle Rollers	.25	2.50	
1	2-1/2" Clevauck Pump Governor		30.00	
4	Lbs. Rainbow Gaskets		.00	
135	Lbs. Large Brass Rings	.10	13.50	
4	2-1/2" Brass Hose Connections	1.00	4.00	
1	12X4" Face Iron Pulley		.60	
1	12X6-1/2" Face " "		.80	
1	15-1/2 x8-1/2" Face Iron Pulley		1.30	
1	24x8" " " "		2.00	
1	30"X8" " " "		2.75	
2	30" Wood Sheaves		.00	
2	12" Iron Sheaves	.60	1.20	
2	18" " "	.75	1.50	
2	18" " "(Wide mouth & Boxes)	2.00	4.00	
4	20" " "	1.00	4.00	
1	36" " "		3.00	
2	72" " "	15.00	30.00	
14	Pcs. Old Air Hose) { 4.50
2	Pcs. Old 1-1/2" Water Hose			
1	Large Nut Wrench		1.00	
77	Lbs. Old Wrenches	.03	2.31	
1035	Lbs. Old Shafting	.015	15.52	
74	Lbs. Old Shaft Couplings	.005	.37	<u>124.85</u>
1	3" Wind Bore	1.50	1.50	
1	4" " "		2.00	
1"	8" " "		2.50	
		Less 50%		3.00
3	3" Bushings	.30	.90	
3	4" Bushings	.50	1.50	
		Less 80%		.48
			<u>133.25</u>	<u>128.33</u>
	Forward			381.09

MICHIGAMME MINE

MACHINERY SUPPLIES

		Brot For'd		381.09
7	2-1/2" Couplings	.40	2.80	
2	3" "	.60	1.20	
4	4" "	1.00	4.00	
	Less 75%			2.00
16	2-1/2" Nipples	.59	9.44	
	Less 80%			1.89
1	6" Cast Iron Elbow		.50	
1	6" " " Tee		.30	
1	6" " " "		.50	1.30
4	4" Plugs	.42	1.68	
	Less 80%			.34
1	Pr. 1-1/4" Flanges No Bolts		.64	
1	Pr. 1-1/2" " " " "		.76	
11	Pr. 2" " " " "	1.00	11.00	
2	Pr. 2-1/2" " " " "	1.25	2.50	
11	Pr. 3" " " " "	1.50	16.50	
4	4" " " " "	2.10	8.40	
1	5x6" " " " "		3.55	
	Less 85%			6.50
1	3" Expansion Joint		10.00	
2	4" " " "	12.00	24.00	36.00
5	2-1/2" Iron Body Globe Valves	7.35	36.75	
	Less 80%			7.35
7	2-1/2" Iron Body Gate Valves	12.00	84.00	
2	6" " " " "	30.00	60.00	
	Less 75 & 10%			32.40
3	1" Gate Valves	2.50	7.50	
1	1-1/2" Gate Valves		5.00	
4	2" " " "	7.50	30.00	
	Less 80%			8.50
			<u>321.02</u>	<u>94.28</u>

Forward

475.37

MICHIGAMME MINE

MACHINERY SUPPLIES

Brot For'd

475.37

7	1/4" Globe Valves	.72	5.04	
6	3/8" " "	.77	4.62	
12	1/2" " "	1.00	12.00	
6	3/4" " "	1.26	7.56	
9	1" " "	1.80	16.20	
3	1-1/4" " "	2.52	7.56	
10	1-1/2" " "	3.50	35.00	
10	2" " "	5.30	53.00	
11	1/2" Angle "	1.00	11.00	
4	3/4" " "	1.26	5.04	
1	1" " "		1.80	
3	1-1/4" " "	2.52	7.56	
2	2" " "	5.30	10.60	
	Less 85%			26.55
2	1/2" A.D. Globe Valves	1.60	3.20	
4	3/4" " " " "	2.20	8.80	
4	1" " " " "	2.80	11.20	
2	1-1/4" A.D. " "	4.00	8.00	
3	1-1/2" " " "	5.50	16.50	
2	2" " " "	8.75	17.50	
	Less 80%			13.04
				<u>39.59</u>
			242.20	
	Total Machinery Supplies			514.96

M I C H I G A M M E M I N E

BUILDING MATERIAL

3583	Feet Old Plank	8.00	28.66	
20	Small Wood Rollers	.25	5.00	
11	9x13 Old Windows	1.00	11.00	
4	16x20 " "	2.00	8.00	
2	Bags Old Sheave Blocks		.00	
1	Ebl. Do		.00	
1	Bag Timber Pins		.00	
7	4" Wood Rollers	.50	3.50	
24	Hard Wood Roller Brackets	.05	1.20	
21	Soft " " "		.00	
Total Building Material				57.36

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

1	Tram Skip	25.00	25.00	
3	Lge. Side Dump Cars	182.31	546.93	
	Less 50%			273.46
10	Underground Tram Cars	91.72	917.20	
	Less 40%			550.32
1	" " Car	55.03	55.03	
1	Small Iron Coal Car	25.00	25.00	928.81
3	Pocket Shoots		.00	
1569.16				
Total Cars, Skips & Derricks				928.81

M A C H I N E R Y

1	12" Jack Screw	2.00	
1	6" Air Receiver (Composed of)	1.50	
	(1 Pc. 6" Pipe)		
	(2- 6" Plugs)		
	(2- 6" Cuoplgs)		
1	6" " " Small	1.00	
1	14" " " 15' Long	7.00	
1	Old Heater 18" Dia x 6' Long	.00	
1	No 385 Fan Small	10.00	
1	No. 384 Fan Large	20.00	
1	Engine Lathe (At Home)	230.00	
Forward			271.50

M I C H I G A M M E M I N E

M A C H I N E R Y

Brot Ford

271.50

1	Blonden for Sinking	3.00	
1	Small Jim Crow	10.00	
1	Old Jim Crow	.00	
4	Cast Iron Water Blowers	4.00	16.00

PORTABLE MACHINERY

1	6x3-1/4x6 Prescott Pump	90.00	
1	10x6x10 " "	250.00	369.00
1	No.3 Knowles	25.00	
1	No.7 Knowles	50.00	
	Less 52%		36.00
		444.00	405.00
	Total Machinery		676.50

P O W E R D R I L L S

7	No. 3-1/4 Rand Drills & Tripod	219.37	1535.59
1	No. 3-1/4 " "	219.37	
2	No. 3-1/4 " & No Tripods	140.00	280.00
1	No. 3 Drill	10.00	
1	No.3 Drill N.G.	.00	
3	Old Tripods	.00	
10	Old Drill Posts	.00	
7	Old Drill Posts, arms not complete	.00	
7	Old Drill Posts, shell clamps	.00	
2	Old Jack Screw Blocks	.00	
4	Old Jack Arm Steps	.00	
2	Old Cast Iron Post Clamps	.00	
5	Old Iron Clamps on Posts	.00	

Total Power Drills

2044.96

M I C H I G A M M E M I N E

SEPARATOR EQUIPMENT

3	Dynomos	20.00	60.00
1	Atlas Enging		<u>180.00</u>
	Total Separator Equipment		240.00

CRUSHER BUILDING

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

152600'	Bought of F.B.	3466.62	
	Inventory Price		2000.00

CRUSHER

1	30X30 Crusher from Portage Lake Foundry & 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 etc Less 10%	<u>703.51</u>	
	1636.42	
Inventory Price		1200.00

CRUSHER TRAM SYSTEM

Bill of Leggewood Co. for 3 Drums & Shaft & Pulley Less 20%	893.00	
Less 20%	178.60	714.40

STOCK PILE TRAM SYSTEM

Material for this was from old Equipment at other Mines		<u>66875.00</u>
Total		7989.40
Less amt. sold from Cliff Shaft		<u>304.38</u>
Total		7685.02

M I C H I G A M M E M I N E.

RECAPITULATION

General Supplies	321.23	
Iron & Steel	131.38	
Machinery Supplies	514.96	
Building Material	<u>57.36</u>	<u>1024.93</u>

MINE EQUIPMENT

Cars, Skips & Derricks	928.81	
Machinery	676.50	
Power Drills	2044.96	
Engine & Dynomo	<u>240.00</u>	<u>3890.27</u>

EQUIPMENT & MATERIAL AT CLIFF SHAFT

Crusher Building	2000.00	
Crusher	4000.00	
Belting For Entire Plant	1200.00	
Crusher Tram System	714.40	
Stock Pile Tram System	<u>75.00</u>	
	7989.40	
Less Amt. Sold	<u>304.38</u>	<u>7685.02</u>
		<u>12600.22</u>

Less 25%

9450.17

I M P E R I A L M I N E
B U I L D I N G M A T E R I A L .

50	Lbs. Red Building Paper		.025	1.25
15	Pcs. 5 x 7 - 18	788'	16.00	12.61
2	Pcs. 10 x 6 - 16	160'	17.00	2.72
200	Feet 1" Maple	200'	35.00	7.00
200	Feet 2" "	200'	35.00	7.00
280	Feet 3" "	280'	35.00	9.80
100	Feet Flooring	100'	30.00	3.00
114	Pcs. 3 x 8 - 16	3648'	13.50	49.25
70	Pcs. 2 x 10 - 16	1867'	13.50	25.21
2	Pcs. 3 x 8 x 10	40'	16.00	.64
13	Pcs. 3 x 6 - 12	234'	16.00	3.84
1	Pcs. 2 x 12 - 16	32'	16.00	.51
4	Pcs. 3 x 8 - 12	96'	16.00	1.54
2	Pcs. 6 x 14 - 18	252'	17.00	4.28
5	Pcs. 6 x 6 - 12	180'	17.00	3.06
1000	Feet Plank 3"		13.50	13.50
600	Feet " 2"		6.75	4.05
800	Feet Lumber 1"		16.00	12.80
1-1/2	M. Shingles		2.50	3.75
12	Pcs Glass 9 x 14		.08	.96
10	Lbs. Putty		.03	.30
5	Gal. Green Paint		1.50	<u>7.50</u>

Total Building Material

174.47

I M P E R I A L M I N E

MINE TIMBER

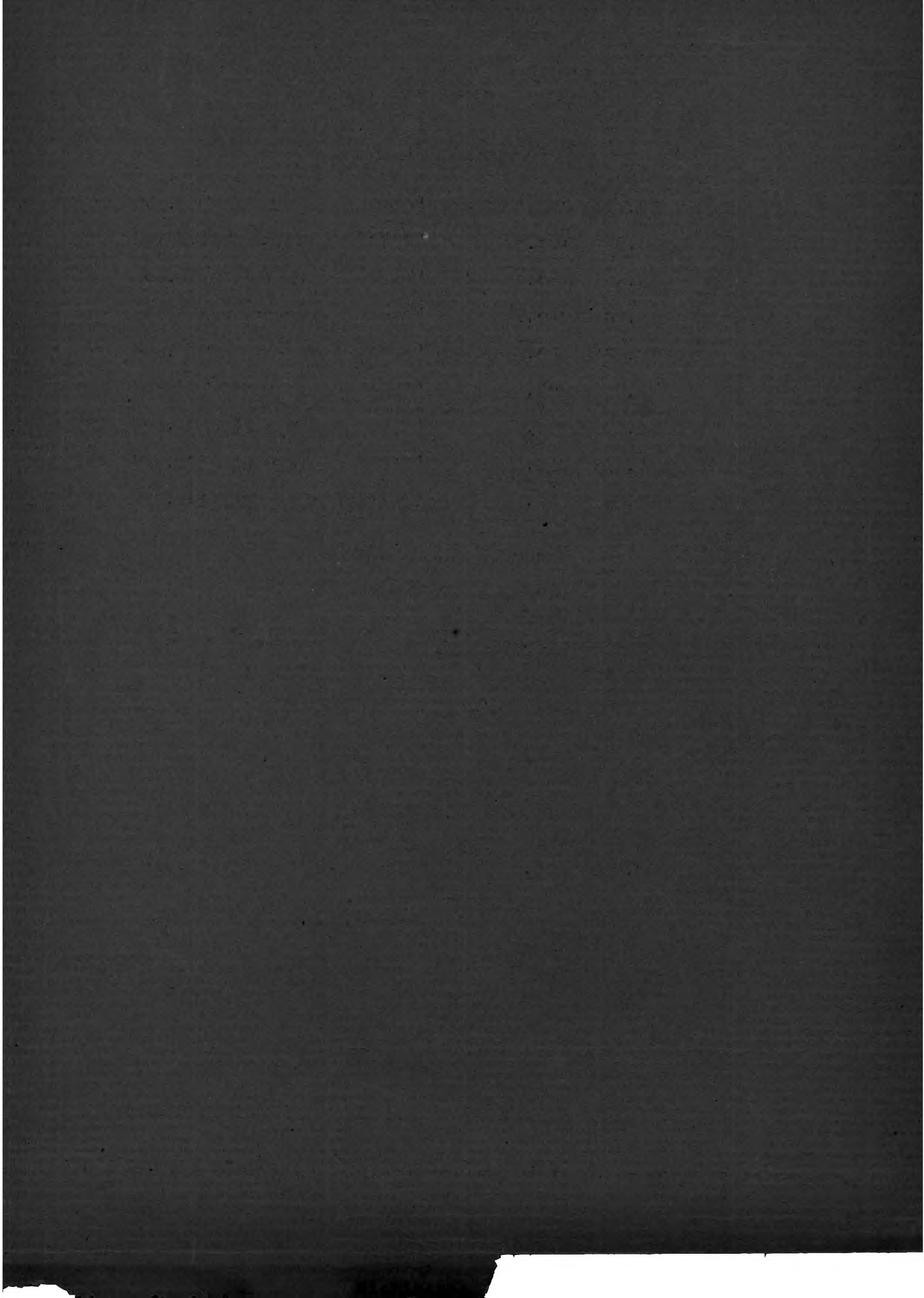
14700	Pcs. 7' Lagging	102900'	.005	514.50	
200	Poles 25' long	5000'	.0075	37.50	
246	Pcs. 8 x 10 - 12	3444'	.03	103.32	
67	Pcs. 10 x 12 - 14	938'	.0425	39.86	
26	Pcs. 12 x 14 - 14	364'	.06	21.84	
122	Ties 9' Long	1098'	.025	27.45	
291	Pcs. 8 x 10 - 8	2328'	.035	81.48	
167	Pcs. 8 x 10 - 16	2672'	.043	114.90	
1685	Pcs. Lagging 7' Long	11795'	.60	70.77	
		Total Mine Timber			1011.62

F U E L.

230	Tons Coal		4.00	920.00	
		Total Fuel			920.00

R E C O R D.

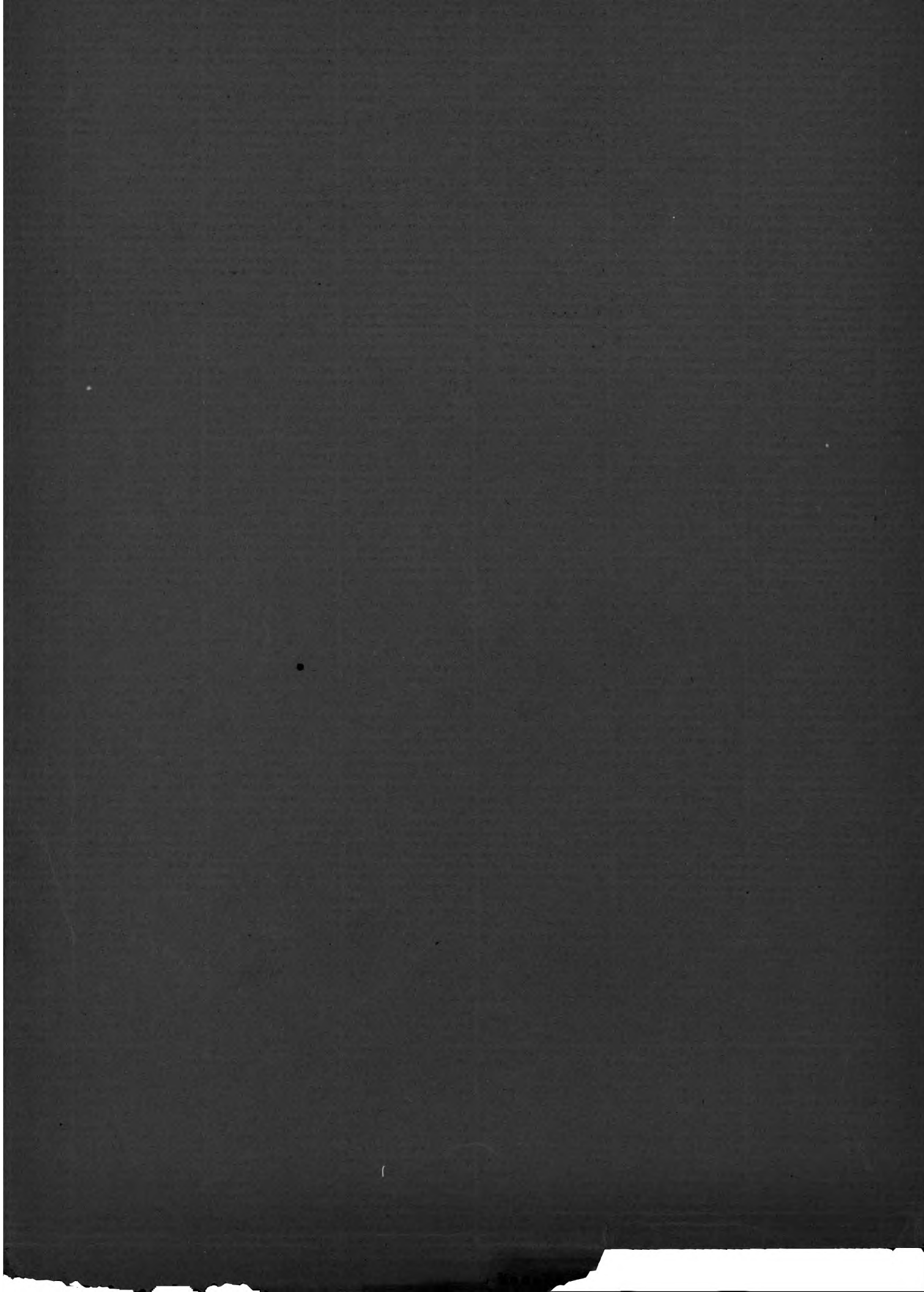
- 1 No.10 Knowles Imperial Warehouse, Loaned to Maas
- 1 No. 6 " Imperial Pumping Station, Belongs to Ishpeming.



CLEVELAND CLIFFS IRON COMPANY.

MESABA EXPLORATION

3	Church Drills Outfits 6"X8" With		
	4 No.3 Pumps	2646.00	
1	Bravo Sullivan Drill	<u>400.00</u>	
		3046.00	
	Estimated Value for Inventory		2000.00



CLEVELAND CLIFFS IRON COMPANY

SWANZY MINE INVENTORY DECEMBER 27TH. 1902.

DIAMOND DRILLS

1000'	A. Bullock Rods	New		.75	750.00
250'	"	"	Left Hd. Rods New	.75	187.50
3	Street Lamp Globes		(per Doz)	4.00	1.00
100	Electric Fuses		(per M)	30.10	3.01
2	Lantern Globes			.05	.10
6	Cakes Wax			.10	.60
2	Dz. Street Lamp Wix			.05	.10
2	Wheel Barrows			1.00	2.00
2	Windless Stands			2.00	4.00
16'	1-1/2" Pipe				1.38
12	31" Grate Bars (Prescott)		252#	.03	7.56
1	Bbl. Blacksmith Coal		300#	3.80	.57
12'	1/2" R. Iron)			
12'	5/8" " ")	#3#		
12'	3/4" " ")	48#	2.30	1.10
10'	3/8" " ")			
3	Exploring Buckets			1.00	3.00
2	3" Tees		70 & 10%	1.10	.60
2	3" Ells		70 & 10%	.75	.40
1	1-1/2" Stop Cock		75%	1.95	.49
3	1-1/2" Nipples		75 & 10%	.20	.13
1	1-1/2" Tee		70 & 10%	.29	.08
1	2" Union		75 - 10 & 5%	.75	.16
10	Poll Picks			.75	7.50
12'	1/8" Pipe		59 1/2 & 5%	.055	.26
12'	1/4" Pipe		59-1/2 & 5%	.055	.26
2	Coal Shovels		Dz.	9.75	1.62
1	Sack Cotton Wick Balls		5#	.15	.75
4	Balls Asbestos Wix		2"	.23	.46
325'	1" Pipe		66-1/2 & 5%		17.06
1	2 Gal. Oil Can				.25

Forward

991.94

S W A N Z Y M I N E.

DIAMOND DRILLS

Brot Ford

991.94

25	Gal. Cylinder Oil	.25	5.75	
20	Gal. Engine Oil	.13	2.60	
25	Gal. Kerosene Oil	.105	2.63	
2	Lbs. 1/4" Sq. Packing	.42	.84	
1-1/2	Lbs. 1/4" Empire Packing	.26	.39	
5	Lbs. 1/2" Sq. Packing	.42	2.10	
1/2	Lb. 1/2" Empire Packing	26	.13	
4	Lbs. 3/8" Sq. Packing	.42	1.68	
30	5/8" Washers	.04	1.20	
14	1" Couplings 70 - 5 & 2-1/2%	.13	.51	
3	Dz. 5/8" Hex. Nuts 4#	.08	.32	
1/2	Dz. 1/2" " " 1/2#	.07	.04	
12	Lbs. 1/8" Sheet Packing	.12	1.44	
1	Pc. Asb. Packing 36"X36"X -8#	.08	.64	
35	Lbs. Colored Waste	.05	1.75	
10	Lbs. 6" Nails	.026	.26	
6	Dill Hammer Hdls.	.85	.43	
25'	1-3/4" Hose Steam	.78	19.50	
100'	1/2" Left Hd. Twist Wire Rope 11¢- 11.00 45 & 2-1/2%		5.90	
25'	2-3/4" Waxter Hose 40%	1.37	20.55	
25'	1" Air Hose	.33	8.25	
300'	Smoke Stack Guide Line Rope		4.50	
1	Electric Battery		8.36	
24	A.R. Blank Bits	.19	4.56	
2	15" Monkey Wrenches 50% & 10%	4.00	2.00	
1	12" " " 50%		.58	
1	24" Stillson " 50%	6.00	3.00	
11	3/4x15" Lag Screws 70% (perC)	21.20	.70	
7	3" Tees 70 & 10%	7.70	2.08	
3	5" Tees 70 & 10%	9.00	2.43	
6	4" Ells 70 & 10%	7.20	1.94	
			107.06	

Forward

1099.00

S W A N Z Y M I N E

DIAMOND DRILLS

Brot Ford				1099.00
8	3" Ells	70 & 10%	6.00	1.62
5	6" Couplings	70%- 5 & 2-1/2	12.00	3.34
8	5" Couplings	70-5 & 2-1/2%	13.20	3.67
18	4-1/2" "	70-5 & 2-1/2%	27.00	7.50
1	Reducer 5"X4"	75 & 5%	2.00	.48
6	4" Nipples	75 & 10%	6.00	1.35
3	5" Nipples	75 & 10%	4.80	1.08
12	3" Couplings	70-5 & 2-1/2%	7.20	2.00
5	3x2" Bushings	75 & 5%	1.50	.35
2	2x3" Reducers	75 & 5%	2.16	.51
3	3" Nipples	75 & 10%	2.16) 1.67
12	1-1/2" "	75 & 10%	2.40	
12	3/4" "	75 & 10%	1.08	
12	1" "	75 & 10%	1.80	
7	1-1/4" Tees	70 & 10%	1.61	.43
8	3/8" Plugs	75 & 5%	.16	.04
10	1" Tees	70 & 10%	1.50	.40
3	1" Ells	70 & 10%	.32	.07
2	1" Plugs	75 & 5%	.08	.02
3	3/4" Ells	70 & 10%	.24	.06
3	1/4" Plugs	75 & 5%	.06	.01
4	3/4" Plugs	75 & 5%	.12	.03
7	3/4" Tees	70 & 10%	.84	.22
5	1/2" Tees	70 & 10%	.45	.13
6	1" Couplings	70-5 & 2-1/2%	.78	.21
10	3/4" Ells	70 & 10%	.80	.22
2	1/2" Couplings	70-5 & 2-1/2%	.14	.04
3	3/4" "	70-5 & 2-1/2%	.30	.08
1	1-1/2"x1/2" Reducer	75 & 5%	.28	.07
2	1/2" Ells	70 & 10%	.12	.03
				25.63

Forward

1124.63

S W A N Z Y M I N E

DIAMOND DRILLS

		Brot Ford			1124.63
15	1" Couplings	70-5 & 2-1/2%	1.95	.53	
8	3/4" Washers		.04	.32	
9	1/2" Washers		.04	.36	
5	Boxes Blasting Tape		.60	3.00	
100'	Fuse	per M	4.25	.43	
3	Lbs Horse Shoe Nails		.22	.66	
2	Screw Drivers		.25	.50	
4	1-1/2" G.Valves	70 & 5%	14.00	3.99	
1	1" G.Valve	Do	1.80	.51	
2	3/4" Check Valves	Do	1.15	.66	
1	1/4" Angle	Do Do	.72	.20	
1	1/4" G.	Do Do	.72	.20	
6	3/8" Couplings	70-5 & 2-1/2%	.36	.10	
3	3/8" Nipples	75 & 10%	.18	.04	
7	3/4x1/2" Bushings	75 & 5%	.35	.08	
4	1x3/4"	Do Do	.24	.06	
1	1x1/2"	Do Do	.06	.01	
7	1-1/4x1"	Do Do	.49	.12	
13	1/2x3/8"	Do Do	.52	.12	
11	1-1/2x1-1/4"	Do Do	.99	.23	
2	1-1/2x1"	Do Do	.18	.04	
2	2x1-1/2"	Do Do	.28	.07	
5	2-1/2x2"	Do Do	1.05	.25	
1	2x1"	Do Do	.14	.03	
2	4x3"	Do Do	1.00	.24	
2	3x1-1/2"	Do Do	.60	.14	
1	1-1/2x2"	Do Do	.14	.03	
2	3x2-1/2" Reducers	Do	2/16	.51	
1	3x2"	Do Do	1.08	.25	13.68

Forward

1138.31

S W A N Z Y M I N E

DIAMOND DRILLS

Brot Ford

1138.31

3	2" Plugs	75 & 5%		.30	.07
6	3" Plugs	Do		1.50	.36
1	4" Plug	Do		.42	.10
9	1-1/2" Union	75-10 & 5%		5.22	1.12
12	1" Do	Do		3.96	.85
12	2" Do	Do		9.00	1.92
6	1-1/4" Do	Do		2.76	.59
2	1/2" Do	Do		.44	.09
18	2" Nipples	75 & 10%		4.86	1.09
10	1-1/2" Do	Do		2.00	.45
2	2-1/2" Do	Do		1.18	.26
1	2-1/2x1-1/2" Bush	75 & 5%		.21	.05
2	1-1/2" Nipples	75 & 10%		.40	.09
4	2" Ells	70 & 10%		1.12	.30
13	1/4" Do	Do		.65	.17
7	1-1/2" Ells	Do		1.40	.38
4	2" Tees	Do		1.64	.44
8	1/2" Ells	Do		.48	.13
2	3/8" Do	Do		.10	.03
9	1-1/2" Tees	Do		2.61	.70
3	1-1/4" Ells	Do		.48	.13
5	1/4" Tees	Do		.40	.11
14	10" Hack Saw Blades	15% (per Dz.)		.85	.85
1	50' Tape Line				.50
1	6" Monkey Wrench	50 %		9.00	.37
16	12x3"xl6' Planks	=768'		15.00	11.52
30	38" Grate Bars	630 Lbs.		.03	18.90

Total Diamond Drills

1179.88

SWANZY MINE.

FUEL

444 - 1700 Tons Coal

3.38

1504.15

Recapitulation of Inventory, November 30, 1902.

Diamond Drills

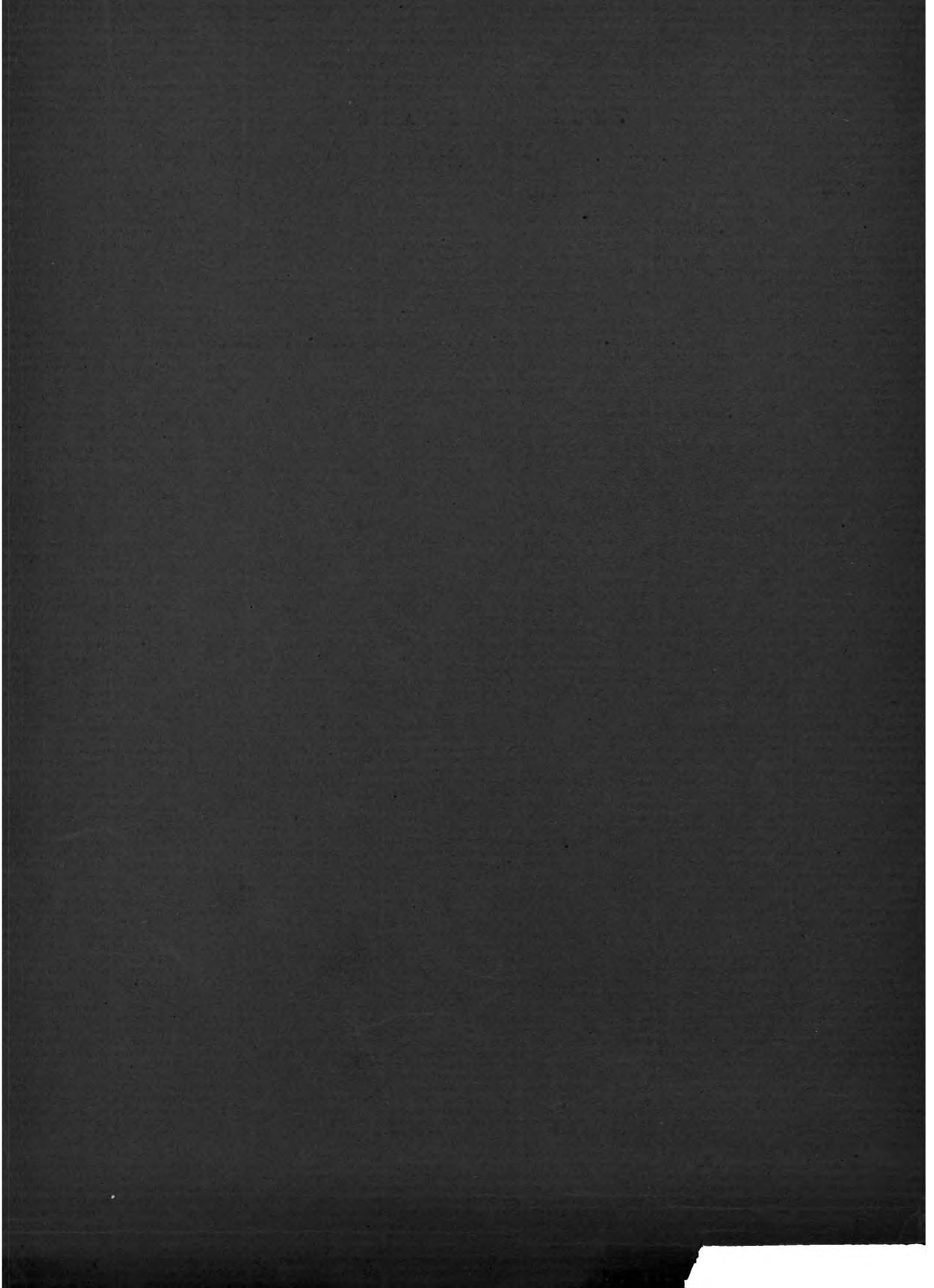
1179.88

Fuel

1504.15

Total

2684.03



CLEVELAND CLIFFS IRON COMPANY

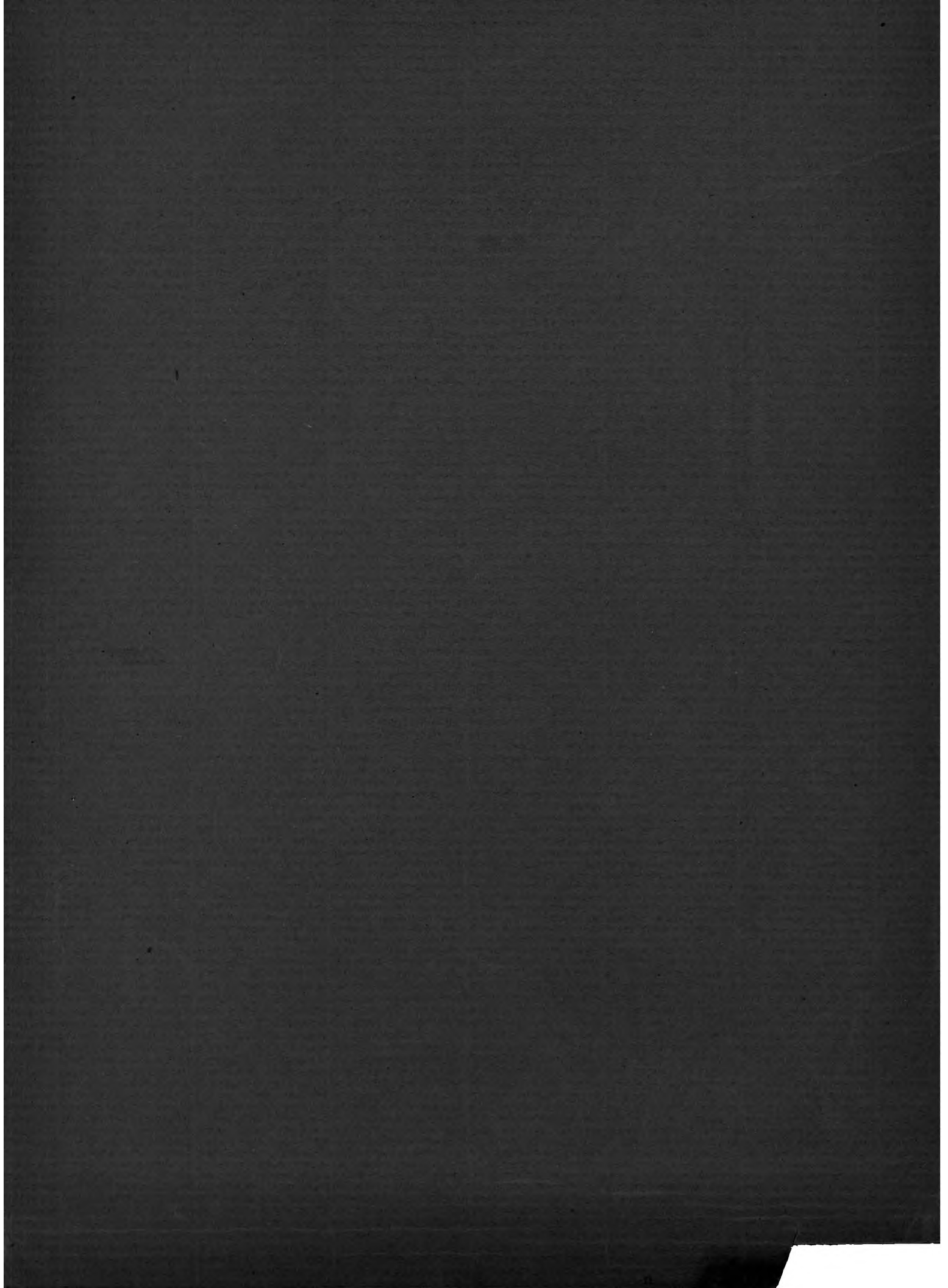
LUCY MINE

Marine Insurance on Coal

2.81

2.81

This was the only Amount Charged
To Lucy Mine Supplies During Nov.



CLEVELAND CLIFFS IRON COMPANY.

BARASA MINE

F U E L

630 - 950 Tons Coal

2.85

1782.65

Amount of Coal Received at the
Barasa Mine During Nov.1902 less
100 Tons Charged Out for Month

ORIGINAL BOND

