

CLEVELAND IRON MINING COMPANY

STATEMENT OF EXPENSE, LAKE ANGELINE DRAINAGE, MONTH APRIL 1903.

ADDITIONAL APPARATUS.

Carpenters	36 1/2 days at	2.20	58 30
"	84 1/4 " "	2.10	176 98
Miners Exp. Drift	26 1/2 " "	2.10	55 65
Laborers	13 " "	1.65	31 35
Blacksmith Shop	20 hrs.		13 40
Tram	6 "		2 25
Machine Shop H. O.	27 "		6 37
Carpenter " " 7 1/2 "			1 72
TOTAL LABOR			345 96

SUPPLIES.

4944' Hemlock	13.25	65 51	
5184' 3x12-12 DLS&E	22.50	121 82	
2011# 1 x 1/8 Steel	2.63	52 89	
425# Washers	.02	2 50	
50# 30d Nails	.03	1 50	
192' Norway	19.50	3 74	
30' Oak	31.50	95	
104# Nuts	5.45	5 66	
578' 8" Timber	5 1/4	12 78	
4320' Norway	21.00	90 72	
1300# Rd. Steel	2.10	27 30	
99# 3/4 Nuts	.04	3 96	
100# 60d Nails		2 25	
11# 20d "	.03	33	
93' Norway	15.00	1 40	
30' Oak	33.00	99	
384' 14" Timber	.03	34 56	
580' Poles	at 1¢ 5.80	5 80	
Shop Labor & Teaming		1 78	
H. O. " " " "		1 57	
TOTAL SUPPLIES			450 01

TOTAL FOR MONTH OF APRIL,

795 97

CLEVELAND IRON MINING COMPANY.

STATEMENT OF EXPENSE, LAKE ANGELINE DRAINAGE, MONTH MAY 1903.

---

ADDITIONAL APPARATUS.

Carpenter	3 1/2 days	2.30	8 05
"	6 1/2 "	2.20	14 30
"	14 1/2 "	2.10	30 45
Laborers	6 "	1.65	9 90
Carpenter Shop	40 hrs.		9 88
TOTAL LABOR			72 58

SUPPLIES.

480' 7"-8" Stulls	5 1/2	26 40
15# Nails	.03	39
26 79		

TOTAL FOR MONTH,

99 37

---

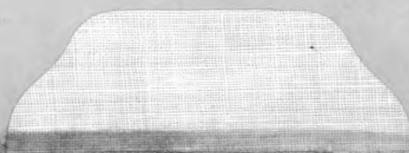
CLEVELAND IRON MINING COMPANY.

LAKE ANGELINE DRAINAGE, FOR YEAR 1903.

ADDITIONAL APPARATUS.

CREDIT.

By 120 '9" - 9" Air Pipe	.50	60.37
By 125 '9" Kal. Air Pipe	.50	<u>62.50</u>
TOTAL CREDIT,		<u>122.87</u>



7



RECAPITULATION OF INVENTORY.

NEGAUNEE MINE.

<u>BUILDINGS AND PLANT.</u>	<u>Page.</u>	<u>Amount.</u>	
Mine Buildings,	1	14401.00	
NO. 1 Boiler Plant,	2-3	7820.00	
" 1 Hoisting & Compressor Plant,	4-6	12625.00	
" 2 Boiler Plant,	7-8	<u>4850.00</u>	39,696.00
<u>MISCELLANEOUS MACHINERY.</u>			
Portable Hoists,	9	1300.00	
Steam Pumps,	9	8300.00	
Power Drills,	9	400.00	
Air Receivers,	9	<u>300.00</u>	10,300.00
<u>CARS, SKIPS, TRACKS ETC.</u> <u>SURFACE &amp; UNDERGROUND.</u>			
Tracks NO.2 Trestle,	45	243.31	
"   " 1   "	45	217.64	
"   Underground, buried in sand,	45	332.40	
"       "   Bottom level,	45	1409.93	
"       "   Cage       "	45	442.56	
Cars, Skips & Buckets,	10	<u>3490.00</u>	6135.84
<u>STEAM, WATER AND AIR LINE.</u> <u>SURFACE &amp; UNDERGROUND.</u>			
Steam Line to Winze Pump,	13	284.64	
Water   " NO.1 to NO.2 Boiler House,	14	385.63	
Steam   "   " 1 Boiler H. to NO.1 Shaft,	14	238.94	
Air     "   " 1   "       "   " Air Receiver,	14	247.92	
"     "   Receiver to NO.1 Shaft,	15	99.49	
Heating Plant- various buildings,	16-17	604.43	
Air Line from NO.1 to Blacksmith Shop,	18	9.30	
Water   "   Pump in Open Pit,	18	159.23	
Steam   " NO.2 Boiler House to Shaft,	19	<u>197.99</u>	
Forward.		2227.57	56,131.84

RECAPITULATION OF INVENTORY.

NEGAUNEE MINE,-- Cont.

	<u>Page.</u>	<u>Amount.</u>	
Water Line NO.2 shaft to NO.2 Boiler House, Bro't for'd	19	2227.57	56,131.84
" " Skip,Pit Pump bottom #2 shaft,	20	51.93	
" " 8" Discharge through Level,	21	30.22	
Steam " To Powder House,	22	475.87	
" " " Lane Hoist,	23	6.49	
Air " from Lane Hoist to Old Shaft,	23	9.94	
" " to Blacksmith Shop-underground,	24	56.36	
Main Steam Line,	24	3.58	
Steam & W.Line Bottom Level NO.2,	24	12.89	
" " " Hoist under'd.at NO.5 Incline,	25-28	112.68	
Water "NO.1 Cage Level Suction to Pump,	28	.60	
Steam " Suction to Condenser,	30	159.80	
Water " Discharge of "	30	47.61	
Main Steam Pipe NO.2 Shaft,	31-32	198.54	
Water Line, Discharge line,	33	99.40	
" " " Pipe,	34	766.85	
Air Line NO.1 Shaft,	34	387.17	
Steam " " 1 "	35	196.94	
Air " " 2 "	35	218.64	
Steam " " 2 "	36	195.12	
Water Pipe in Old Winze,	37	385.69	
Air Line,4" on Cage Level,	37	15.40	
" " NO.5 Incline,	38	304.30	
" " 2" Line to NO.6 Drift,	38	16.36	
	39	72.76	
		<u>6,052.71</u>	
Forward,			62,184.55

RECAPITULATION OF INVENTORY

NEGAUNEE MINE.- Cont.

	<u>Page.</u>	<u>Amount.</u>	
Bro't for'd,			62,184.55
<u>MISCELLANEOUS.</u>			
Pipe & Fittings idle between NO.1 B.& NO.1 E.H.	11	322.51	
Idle on Hill at NO.1 Boiler House,	12	250.00	
Tools at Bottom of Winze,	13	4.89	
Idle on Surface by NO.2 Boiler House,	15	616.19	
"    "    "    "    "    1 Shaft,	19	100.00	
Idle on Surface by NO.2 Shaft,	19	24.15	
Fittings not in use- bottom NO.2 Shaft,	29	8.00	
Pipe & Fittings not in use NO.1 Cage Level,	33	8.00	
Material not in use NO.1 Shaft,	34	82.25	
Pipe & Fittings-Bottom NO.3 Incline,	40	16.34	
Top Pump House,	41	110.00	
Supplies at Pump,	43	27.00	
Pump House at Bottom NO.2 Shaft,	43	100.00	
Wire Rope- Old and in use,	44	501.79	
"    "    Guides for pump in pit,	44	216.92	
Manilla Rope- Old and in use,	44	29.52	
Blocks            "    "    "    "	44	24.63	
Wheelbarrows- surface,	46	6.00	
NO. 1 Stockpile Bottom,	46	577.50	
"    2    "    "    "	46	437.50	
Horses & Mules,	46	905.00	
Wagons & Sleighs,	46	200.00	
Tools In Blacksmith Shop underground,	47	5.00	
"    "    "    "    "    surface,	50	80.00	
Sheaves, Skips and cage line,	47	695.40	
Office Furniture,	47	100.00	
Carpenter Shop Tools,	48	55.00	
Drill Steel Scrapers, etc.	49	<u>153.50</u>	
Supply Account, as per separate Inventory,			5,657.09 <u>7,158.36</u>
Grand total,			\$ 75,000.00



B U I L D I N G S .

NO. 1 Engine House, Building	1000.00
Engine Foundation	1300.00
Compressor	300.00
NO. 1 Boiler House	2500.00
NO. 2 Boiler House	900.00
NO. 1 Shaft House	1000.00
NO. 2 Shaft House	2000.00
NO. 1 Coal Dock	200.00
NO. 2 Coal Dock	700.00
Ore & Rock Trestle NO.1	150.00
" " " " NO. 2	150.00
Ore Pocket at NO.1	150.00
Carpenter Shop	200.00
Blacksmith Shop	50.00
New Dry House	1500.00
Office	350.00
2 Rope Lines NO.1 E.H. to NO.2 Shaft	250.00
Coal Tram to NO.1 Boiler House	350.00
Water Launder NO.2 Shaft to swamp (1300ft.)	1100.00
Water Pipe Launder #1 E.H. to NO.2 Blr.H.	75.00
Steam Pipe Launder #1 E.H. to Dry	75.00
Supply shed near office	10.00
Water Closet	16.00
Derrick 34 ft. Mast- 90 ft. Boom	<u>75.00</u>

Total Buildings,

\$ 14,401.00

NO. 1 BOILER HOUSE.

1 Return Tubular Boiler, 72ft.x 20ft.Lot NO.7)  
 1 Return Tubular Boiler, 72ft.x 20ft.Lot No.8)  
 1 Return Tubular Boiler, 72ft.x 20ft.Lot No.9)  
 In one battery.  
 3 36"x70ft.Smoke Stack with Breechings )  
 3 No. 5 Reliance Water Column ) 6300.00  
 3 Steam Gauges,8in.,63 ft. 3/4" Pipe  
 11 3/4" Elbows. 3-3/4" Globe Valves.  
 3 3/4" Unions. 2,3/4" Tees.  
 3 1" Elbows. 2 Pr. 1" Flanges.  
 6 3" Tees. 4,1 1/4" Stop Cocks(brass)  
 4 1 1/4" four-way tees. 4,1 1/4" Unions.  
 3 1 1/4" Elbows. 3,1" Globe Valves.  
 36 Ft. 1" Pipe. 11 Ft. 1 1/4" Pipe.  
 1 1 1/4" Tee. 4,1 1/4" Elbows.  
 3 4" Pop Safety Valves. 1,6" Gate Valve.  
 2 6" Jenkins Globe Valves. 3- 2" Angle Valves.  
 3 2" Check Valves. 6, 3" Globe Valves.  
 10 Pr. 3" Flanges. 9, 2" Globe Valves.  
 3 2" Gate Valves. 157 Ft.3" Pipe.  
 36 Ft. 8" Pipe. 12 " 6" "  
 196 " 2" " 23 " 2" Elbows.  
 10 Pr. 2" Flanges. 3, 2 1/2" Stop Cocks.  
 2 2 1/2" Globe Valves. 2, 2 1/2" Gate Valves.  
 4 Pr. 2 1/2" Flanges. 1, 2 1/2" Union.  
 119 Ft. 2 1/2" Pipe. 4, 3" to 2" Bushings.  
 7 3" Elbows. 6, 2 1/2" Elbows.  
 1 4" Jenkins Globe Valve. 4, 4" Tees.  
 2 5" Elbows. 2, 5" Tees.  
 2 5" to 2 1/2" Bushings. 27ft. 5" Pipe.  
 3 Pr. 8" Flanges. 3, 8" Tees.  
 3 8" Globe Valves. 6, 2" Tees.  
 2 2" Check Valves. 1, Hancock Inspirator No.40

Forward,

6300.00

NO. 1 Boiler House - Cont.-

		Bro't For'd	\$6300.00
1	1 1/2" Globe Valve.	35 Ft. 1 1/2" Pipe.	
2	Pr. 4" Flanges.	28 Ft. 4" Pipe.	
2	4" Elbows.	1, 10" Gate Valve, flanged (Idle).	
1	10" Tee (idle).	4, Pr. 10" Flanges (idle).	
2	10" Elbows (idle).	1, 10" Kelley Back-pressure Valve.	
64	Ft. 10" Pipe.		
1	Marsh Pump-	4x4 1/2 x 6	75.00
1	#5 Cameron Pump-	14 x 10 x 12	150.00
1	2 1/2" Oil Cup.	7, 1/2" Globe Valve.	
1	500 H.P. Heater.	(1, Pr. 1 1/2" Flanges)	200.00
2	1 1/2" Tees.	1, #7 A Vacuum Pump.	
1	Lubricator, #2 Volunteer.	1, Clock.	
2	3" Plugs.	2, 2" Stop Cocks.	
2	Schoop Shovels.	1, Iron Wheel-Barrow.	
1	Poll Pick.	10, Ft. 1" Steam Hose.	
1	Pocker.	1, - Scraper.	
1	Electric bell.	1, 2 1/2" Oil Cup.	
1	2" Whistle.	2, Water pails.	
100	Ft. 2" Cotton Mill Hose.		
3	10x10x7 Tees.	2, Hose Spanners.	
1	Steam Trap for cooling.	4, Box Wrenches.	
5	Spanner Wrenches.		
34	Ft. 8" Steam Pipe Covering.		
20	" 6" " " "	" " " " "	
	For all piping as above,		1000.00
1	Water Tank,		<u>95.00</u>
	Total NO. 1 Boiler Plant,		\$7820.00

NO. 1 ENGINE HOUSE.

1	24 x 48" Webster, Camp & Lane Corliss Engine, Lot No. 1, Shop No. 279, <i>with 2-8 foot Drums!</i>	9000.00
1	Air Compressor Lot No. 6, Shop No. 2075	3000.00
1	10" Tee. 32 Ft. 10" Exhaust Pipe.	
82	Ft. 3" Pipe. 3, 3" Elbows.	
5	3" Tees. 1, 3" Stop Cock.	
3	Pr. 3" Flanges. 50 Ft. 8" Air Pipe.	
3	8" Elbows. 1, 10" Plug.	
503	Ft. 2" Water Pipe. 29, Ft. 7" Pipe.	
2	7" Elbows. 2, Pr. 7" Flanges.	
1	7x7x3 Tee. 1, 3" Brass Angle Valve.	
1	3" Oil Separator. 3, 3" Jenkins Valves.	
1	Vacum Regulator. 2, 2" Elbows.	
2	2" Tees. 1, Pr. 1 1/4" Union.	
1	Pr. 1 1/4" Flanges.	
17	Ft. 1 1/2" Pipe. 3, 1 1/2" Elbows.	
4	1 1/2" Globe Valves.	
1	1 1/2" Angle Valve. 1, 1 1/2" Tee.	
1	1 1/2" Flanges. 57 Ft. 1 1/4" Pipe.	
1	1 1/4" Elbow. 47 Ft. 4" Pipe.	
1	4" Tee. 1, 4" Globe Valve.	
3	4" Elbows. 1 Pr. 4" Flanges.	
27	Ft. 5" Pipe. 1 Pr. 5" Flanges.	
1	5" Elbow. 25 Ft. 6" Pipe.	
3	Prs. 6" Flanges. 1, 6" Tee.	
2	6" Elbow. 4, 6" Globe Valve.	
1	7" Tee. 1, 7" Plug.	
1	Cast Iron Radiator 126 ft.	
1	6" Steam Gauge.	

4  
Forward,

12000.00

NO. 1 ENGINE HOUSE - Cont.-

	Bro't For'd	12000.00
1	8" Gong, 1, 6" Gong.	
1	1 1/4" Gate Valve. 45 Ft. 1/2" Pipe.	
150	Ft. 1" Pipe.	
	Total for all Piping,	400.00
1	Pinion Wheel, extra for No.1 Engine	150.00

TOOLS,OIL CANS,ETC.IN USE AT NO.1

1	Set Dies 3" to 2 1/2", with stocks	
1	Set Dies 2" to 1 1/2", with stocks	
1	Set Dies 3 1/2" to 4"	
1	Set Dies 2 1/2" to 3"	
1	Set Dies 1/4" to 3/8"	
1	Set Dies 1" to 1 1/4" with stocks.	
1	2 1/2" Gas Pipe Tap.	
2	2" Gas Pipe Taps	
1	1 1/2" Gas Pipe Tap.	
1	1" Gas Pipe Tap	1, 1/2" Gas Pipe Tap
1	3/4" Gas Pipe Tap.	1, 3/8" Gas Pipe Tap.
1	1/4" Gas Pipe Tap.	1, 1/8" Bolt Tap.
1	Set Dies 7/8 to 1/4"	
1	3 Ft. Trimo Wrench (A36)	
1	18" Trimo Wrench (318)	
2	15" Trimo Wrenches.	1 Monkey Wrench 15"
1	12" Monkey Wrench.	2 Machinists Hammers.
11	Lbs. Hand Chisels.	15# Steel Bars.
16	Spanners (No.1 Engine)	

Forward,

\$ 12,550.00

No. 1 ENGINE HOUSE - Cont.-

Bro't For'd

\$ 12,550.00

- 6 Spanners (Compressor)
- 3 Socket Wrenches (No.1 Engine)
- 1 Socket Wrench (Compressor)
- 1 4" Pipe Cutter. 1, 3" Pipe Cutter.
- 2 Pr. Chain Tongs. 1, 1" Pipe Cutter.
- 2 3 Gal. Oil Cans(No. 1. Engine)
- 1 1 " " Can " "
- 1 1 Qt. Long Spout Oil Can(copper)
- 1 Squirt Can.
- 3 1 Gal. Oil Cans (Compressor)
- 1 1 Qt. Long Spout Can (tin)
- 1 3 Gal. Oil Can
- 2 Squirt Cans.
- 1 5 Gal. Kerosene Can.

Total for all Tools,

75.00

Total No. 1 Engine House,

\$ 12,625.00

NO. 2 BOILER HOUSE.

1	Smoke Stack 68ft. x 40"	)	
1	Smoke Stack 60ft. x 30"	)	
1	Smoke Stack 56ft. x 30"	)	
1	72" x 20ft. Return Tubular Boiler,	)	
	Lot #10 (in use)	)	
1	72" x 18ft. Return Tubular Boiler,	)	
	Lot #11 (in use)	)	
1	72" x 18ft. Return Tubular Boiler,	)	
	Lot No. 12 (in use)	)	4000.00
1	200 H.P. Excelsior Heater, Lot #18		80.00
	(in use)		
1	4"x10"x12" Cameron Pump, Shop #9237		150.00
	Lot #25 (in use)		
1	10"x6"x12" #6 Norwalk Pump, Lot #36		195.00
	(in use)		
1	Wooden Tank, 7ft. x 6ft.		25.00

Blow-off pipe-- 63 ft. 2 1/2" Pipe.

3- Pr. 2 1/2" Flanges. 2- 3" Gate Valves.

1- 3" Asbestos Stop Cock. 1 2 1/2" Iron Stop Cock.

1- 2 1/2" Asbestos Stop Cock.

Steam Pipe Fittings, etc.- 12 ft. 5" Pipe (covered).

12ft. 4" Pipe (covered). 8- 3" Elbows.

1- Pr. 3" Flanges. 14 ft. 3" Pipe.

1- 3 1/2" Elbow. 3- Pr. 1 1/2" Flanges.

25 ft. 1 1/2" Pipe. 2- 1 1/2" Elbows.

1- 1 1/2" Gate Valve. 60 ft. 2 1/2" Pipe.

1- 2 1/2" to 2" Reducer. 89 ft. 1" Pipe.

6- 1" Valves. 2- 2" Globe Valves.

7- 2" Tees. 1- 1" Union.

1- 1 1/4" Globe Valve. 5- 3/4" Globe Valves.

2- 1" Elbow. 3- 1 1/2" Tees.

2- 1 1/2" to 1" Reducer. 5- Prs. 2" Flanges.

6- 2" Gate Valves. 1- 2" Elbow.

6- 1 1/2" Globe Valves. 2- 3" Gate Valves.

No. 2 BOILER HOUSE.-- Cont.

		Bro't For'd	4450.00
2- 1 1/4" Stop Cock.	2- 1" Gate Valve.		
6. Pr. 1" Flanges.	1- 2 1/2" Lubricator.		
3- #5 Reliance Water Columns, high and low water.			
2- 6" Gate Valves.	2- 4" Jenkins Valves.		
1- 5" Jenkins Valve.	1- Detroit Lubricator.		
4- 4" Pop Saftey Valves.	3- 2" Angle Valves.		
3- 2 1/2 " Globe Valves.	40 ft. Steam Pipe(covered)6"		
3- 6" Elbows.	3- Pr. 6" Flanges.		
3- 6" Tees.	1- 6" to 4" Bushing.		
1- 6" to 5" Bushing.	1- Pr. 5" Flanges.		
2- Pr. 4" Flanges.	1- 5" Tee.		
1- 4" Iron Check Valve.	18 ft. 4" Pipe.		
2- 4" Elbows.	1- 4" Tee.		
3- 2" Check Valves.	100 ft. 2" Hose.		
2- Coal Shovels.	1 - Scraper.		
2- Pokers.	2 - Picks.		
1- #40 Hancock Inspirator.			

Total all Piping,

400.00

Total No. 2 BOILER PLANT,

\$ 4850.00

8



MISCELLANEOUS MACHINERY

H O I S T S .

1- 10 x 12 Merritt Hoist (NO.3 Incline)	600.00	
1- 8 x 12 Ledgerwood " (NO.2 shaft )	600.00	
1- Upright Puffer- 10 x 12(NO.1 Boiler H.)	<u>100.00</u>	
Total,		1300.00

AIR RECEIVERS.

1- 24 x 4ft. 4", 2- 18" Flues	200.00	
1- 13 x 3 ft.3", 2- 12" "	<u>100.00</u>	
Total,		300.00

- P U M P S -

1- Duplex Worthington (NO.2 shaft)	4000.00	
1- Worthington Condensor " " )		
1- Compound Duplex Prescott "	2000.00	
1- Prescott Jet Condensor "	250.00	
1- Cameron NO.10 NO.2 (Top Sump)	300.00	
1- Cameron NO.10 " "	300.00	
1- Cameron NO.5 (Bottom #3 Incline)	150.00	
1- Cameron NO.9 (NO.3 Incline)	250.00	
1- Cameron NO.9 (covered in sand)	250.00	
1- Cameron NO.10 (idle #5 Winze)	300.00	
1- Cameron NO. 9 (Open pit)	250.00	
1- Cameron NO. 9 (Idle Top Level)	<u>250.00</u>	
Total,		8300.00

POWER DRILLS.

6- NO. 3 Rand	50.00	300.00
2- NO. 2 "	50.00	100.00
1- U. E. #2 Sullivan (scrap)		<u>00.00</u>
Total,		400.00

CARS, SKIPS & BUCKETS.

TRAM CARS.

30- 3 ton Iron Tram Cars- underground	2250.00	
5- 1 1/2 T. " " "	150.00	
3- 1 1/2 " " "	75.00	
2- 3 " Iron Tram Cars- surface	150.00	
2- 3 " Wood " " "	<u>80.00</u>	
Total Tram Cars,		2705.00

SKIPS & CAGES.

1- 4 Ton Iron Skip- NO. 2 Shaft	200.00	
1- 4 " " " - Idle	200.00	
1- Cage- NO. 1 Shaft	100.00	
1- " " 2 "	75.00	
4- 1 1/2 Ton Skips	<u>160.00</u>	
Total,		735.00

BUCKETS.

2- Iron Buckets- idle	<u>50.00</u>	
Total cars, skips & buckets,		3490.00

PIPE AND FITTINGS IDLE BETWEEN

NO. 1 BOILER HOUSE AND NO. 1 ENGINE HOUSE.

354- Ft. 7" Pipe.		322.00
13 1/2" 2 1/2" Pipe		2.70
81 " 2" Pipe		10.10
121 " 3" Pipe		31.98
16 " 1 1/2" Pipe		1.54
36 3/4" 1 1/4" Pipe		2.86
93 " 3/4" Pipe		4.64
19 1/3" 1/2" Pipe		.76
8 " 1/4" Pipe		.16
4 3/4 " 5" Pipe		2.74
21 " 4" Pipe		7.94
28 1/2" 6" Pipe		18.74
4 3/4 " 8" Pipe		5.46
23 " 1" Pipe		1.32
16 " 3/8" Pipe		.48
		<hr/>

413.42

6- Pr. 7" Flanges	5.50	33.00
1- Pr. 6" Flanges	3.95	3.95
1- 7" Gate Valve	45.00	45.00
1- 3" Globe Valve	9.80	9.80
1- 7 x 7 x 5 Tee	7.80	7.80
2- 5" Nipples	1.55	3.10
3- 7" Elbows	4.70	14.10
2- 7" Nipples	3.20	6.40
2- 7" Tees	6.80	13.60
2- 3/4" Elbows	.08	.16
2- 3" Elbows	.75	1.50
1- 5" Elbow	2.00	2.00
1- 1 1/4" Elbow	.16	.16
1- 3" Tee	1.10	1.10
3- 4" Nipples	.85	2.55
2- 2" Nipples	.18	.36
1- 1 1/2" Nipple	.13	.13
1- 2 1/2" Tee	.73	.73
1- 2 1/2" Nipple	.39	.39
1- 4" Coupling	1.00	1.00
1- 1 1/4" Union	.46	.46
1- Pr. 2" Flanges	1.00	1.00
1- Pr. 4" Flanges	2.10	2.10
1- 4" Expansion Joint	18.00	18.00
		<hr/>

Total Fittings, 168.39

Less 75%

Total,

---

42.09  
455.51

Less deduction ~~in value~~

---

133.00

---

\$ 322.51

PIPE.- IDLE ON HILL AT NO.1.

431- ft. 10" Pipe.	144- ft. 3" Pipe.
30- ft. 4" Pipe.	23 ft. 1" Pipe.
26- 2" Pipe	5 1/2ft.3/4" Pipe.
8 1/2 ft. 1 1/4" Pipe.	109 3/4ft.6" Pipe.
1- 5 x 5 x 3 Tee	1- 5" Nipple.
1- 5" Coupling.	1- Pr. 3" Flanges.
1- 3 to 1 1/2" Reducer.	1- 3" Tee.
1- 3" to 1" Bushing.	1- Pr. 10" Flanges(16 holed)
1- Pr.10" Flanges (6 holed)	1- 10" Plug.
1- 8" Elbow	1- 10 x 10 x 8 Tee
1- 1 1/2" Nipple.	1- Pr. 4" Flanges.
1- 1 1/4" Elbow.	

Total for lot of pipe, 250.00

---

STEAM LINE TO WINZE PUMP

701 3" Pipe		Net.2643	185.27
99 ft. 9" 4" Pipe		".3780	37.80
1 1 qt. Lubricator (with pump)			
18 Pr. 3" Flanges	L. 1.50	27.00	
1 Pr. 4" Flanges	2.10	2.10	
2 4" Tees	1.75	3.50	
5 3" Tees	1.10	5.50	
1 3" to 1" Bushing	.30	.30	
3 3" to 2" Bushings	.30	.90	
2 2" Tees	.41	.82	
3 2" Jenkins Valves	22.00	66.00	
1 2" to 1" Bushing	.14	.14	
1 1" to 3/4" "	.06	.06	
Totals Forward,		106.32	\$ 223.07

12

STEAM LINE TO WINZE PUMP.- Cont.

	Bro't For'd	106.32	\$ 223.07
18	3" Elbows	.75	13.50
1	3" Jenkins Valve	22.00	22.00
1	3" to 1 1/4" Bushing	.30	.30
1	1 1/4" Plug	.05	.05
2	4" to 3" Bushings	.50	1.00
1	4" to 2" Bushing	.50	.50
2	2" to 1 1/2" "	.14	.28
2	1 1/2" Jenkins Valves	5.50	11.00
1	3" to 1" Bushing	.30	.30
1	3" to 1 1/2" "	.30	.30
1	1 1/2" Stop Cock (iron)	1.95	1.95
1	1 1/2" Elbow	.20	.20
1	1" Jenkins Valve	2.80	2.80
9	ft. 10" Pipe		15.20
1	10" Elbow	13.50	13.50
1	Pr. 10" Flanges	11.50	11.50
1	Winebore Flange 10"	.00	
			<hr/> 238.27
	Less 75%	185.50	<hr/> 46.37
	Total Steam Line To Winze Pump,		\$ 284.64

TOOLS AT BOTTOM OF WINZE.

2	Packing Hooks; 3 Socket Wrenches (with pump)		
1	Monkey Wrench	net .75	.75
4	Spanners (with pump)		
1	Pr. Chain Tongs	" 2.00	2.00
4	Lbs. Springs	30 ¢ pr.# Less 75%	1.20 .30
1	Cold Chisel 1 1/2#-	Net .06 pr.#	.09
1	Squirt Can	" "	.25
25	Lbs. Steel Bars	" " "	1.50
1	Cameron Pump 20x9x10, Shop #12906-	Net	00.00
	Total,		<hr/> 4.89

WATER LINE FROM NO. 1 BOILER HOUSE  
TO NO. 2 BOILER HOUSE.

				Net
1452	Ft. 3" Pipe	.2643		383.76
10	3" Elbow	.75	7.50 - 75%	1.87
	Total,			\$ 385.63

STEAM LINE FROM NO. 1 BOILER HOUSE  
TO NO. 1 SHAFT.

592	Ft. 4" Pipe	.3780		223.77
1	4" Expansion Joint	38.00	38.00	
4	4" Elbows	1.20	4.80	
8	Pr. 4" Flanges	2.10	16.80	
1	3" Tee	1.10	1.10	
	Less 75%		60.70	15.17
	Total,			\$ 238.94

AIR LINE FROM NO. 1 BOILER HOUSE  
TO AIR RECEIVER.

415	Ft. 5" Pipe	.5775		239.66
4	5" Elbows	2.00	8.00	
1	5" Tee	3.00	3.00	
7	Pr. 5" Flanges	3.15	22.05	
	Less 75%		33.05	8.26
	Total,			\$ 247.92

AIR RECEIVER ON SURFACE.

	Size 24 ft. x 4ft. 6" )		
2	Flues 18" diam. )		
1	4" Common Safety Valve )	Net	<i>Entered on page 9</i>
1	1 1/4" Pop Safety Valve )		

AIR LINE FROM RECEIVER TO NO. 1 SHAFT.

230	Ft. 4" Pipe	3780		86.94
2	4" Gate Valves		20.00	40.00
5	4" Elbows		1.20	6.00
2	Pr. 4" Flanges		2.10	<u>4.20</u>
		Less 75%	50.20	<u>12.55</u>
		Total,		\$ 99.49

IDLE ON SURFACE BY #2 BOILER HOUSE.

211 1/4	Ft. 6" Pipe	Net .6580		139.00
1	6" Elbow	L	2.75	2.75
358 2/3	Ft. 8" Pipe	N	1.15	412.47
4	" 10" Pipe	N	1.70	6.80
3	8" Elbows	L	6.75	20.25
4	Ft. 8" Pipe (Winebore) N		1.15	4.60
1	6" Tee	L	4.00	4.00
1	6" to 5" Bushing	L	1.25	1.25
1	5" Plug	L	.88	.88
18 3/4	Ft. 5" Pipe	Net .5775		10.83
60	" 7" Pipe	" .94		<u>56.40</u>
		Less 75%	29.13	<u>630.10</u>
		Less Amt. deducted,		7.28
		Net Total,		<u>637.38</u>
				\$ 309.54
2	Sq. Water Bailers- Net			220.00
4	20" Eye Beams, 6" Flanges, 12ft. long each, Net-			<u>86.65</u>
		Total,		\$ 616.19

H E A T I N G P L A N T.

Line from No.1 Engine House to Office.

175	Ft. 4" Pipe	.3780		66.15
175	" 2 1/2" Pipe	.2012		35.21
Warehouse Heater-				
102	" 1 1/4" Gas Pipe	Net(7.88)	8.04	8.04
16	Ft. 1/2" Pipe			.38
6	1 1/4" Elbow	.16	.96	
6	1 1/4" Manifolds,6 openings	2.80	16.80	
1	1 1/4" Thermostic Air Valve	3.00	3.00	
Office Heater-				
88	Ft. 1 1/4" Pipe	net	7.88	6.93
1	1 1/4" Gate Valve	3.25	3.25	
2	1 1/4" Manifolds,6 openings	2.80	5.60	
7	1 1/4" Elbows	.16	1.12	
1	1/2" Thermostic Air Valve	1.25	1.25	
Heater in Captain's Change Room-				
84	Ft 1 1/4" Pipe	net	7.88	6.62
7	1 1/4" Elbows	.16	1.12	
2	1 1/4" Manifolds, 6 openings	2.80	5.60	
1	1 1/4" Angle Valve	2.52	2.52	
1	1 1/4" Union	.46	.46	
1	1/2" Thermostic Air Valve	1.25	1.25	
Line from No.1 Engine House to Dry.-				
375	Ft. 3" Pipe	Net	.2643	99.11
375	" 2" "	"	.1260	47.25
375	" 1" "	"	.0578	21.68
2	3" Malleable Elbows	1.50	3.00	
1	4-5" Bushing	.93	.93	
2	4" Elbows	1.20	2.40	
4	2 1/2" Elbows	.50	2.00	
Totals forward,			51.26	\$ 291.37



HEATING PLANT.- Cont.-

		Bro't for'd	51.26	\$ 291.37
1	2 1/2" Tee	.73	.73	
1	2 1/2" to 2" Bushing	.21	.21	
3	1" Elbows	.10 1/2	.33	
1	1" Globe Valve	1.80	1.80	
1	1" Union	.33	.33	
	Heater in Dry-			
314	Ft. 10 " Tubing	Net	1.70	533.80
12	" 3" Pipe	"	.2643	3,17
12	" 2" Pipe	"	.1260	1.51
25	" 3/4" Pipe	"	.0320	.80
3	2" Elbow	.28	.84	
3	2" Unions	.75	2.25	
5	3/4" Globe Valves	1.26	6.30	
2	1" Globe Vaoves	1.80	3.60	
3	2" Tees	.41	1.23	
1	3" Elbow	.75	.75	
1	1" Elbow	.10 1/2	.11	
	Line continued from office to blacksmith shop-			
92	Ft. 1 1/4" Pipe	Net	.0788	7.25
92	" 3/4" "	"	.0320	2.94
2	1 1/4" Elbows	.16	.32	
2	3/4" Elbows	.08	.16	
318	Heater in shop- ft. 1 1/4" Pipe	Net	.0788	25.06
1	1/2" Globe Valve	1.00	1.00	
2	1 1/4" Manifolds, 6 openings	2.80	5.60	
12	1 1/4" Elbows	.16	<u>1.92</u>	
				865.90
	Less 75%		78.73	<u>19.68</u>
	Total,			885.58
	Less Amt. to make their figures,			<u>281.15</u>
	Net Amt. Heating Plant,			\$ 604.43

AIR LINE FROM NO.1 TO BLACKSMITH SHOP.

150	Ft. 1" Pipe	net .0578			8.67
2	3/4" Globe Valves		1.26	2.52 - 75%	<u>.63</u>
		Total,			\$ 9.30

PUMP IN OPEN PIT.

248	Ft. 4" Pipe	net .3780			93.74
9	4" Elbows		1.20	10.80	
5	Pr. 4" Flanges		2.10	10.50	
1	(4" Rubber Suction 10 ft.long)			00.00	
50	Ft. 2" Pipe	Net .1260			6.30
1	1 1/4" Valve		2.52	2.52	
6	1 1/4" Elbows		.16	.96	
1	1" Valve		1.80	1.80	
1	2" Elbow		.28	.28	
1	2" Tee		.41	.41	
1	2" Valve		5.30	5.30	
1	4 x 3" Tee		2.00	2.00	
1	4" Jenkins Valve		36.00	36.00	
1	1" Iron Stop Cock		1.30	1.30	
1	1 1/2" Iron Stop Cock		1.95	1.95	
2	1 1/2" Tees		.29	.58	
1	1 1/2" to 1" Reducer		.28	.28	
1	1" Union		.33	.33	
1	1" Elbow		.10 1/2	.11	
2	2 1/2" Elbow		.50	1.00	
116	ft. 1 1/2" Pipe	net .0963			11.17
2	1 1/4" Unions		.46	.92	
365	Ft. 1 1/4" Pipe	" .0788			<u>28.76</u>
		Less 75%		77.04	139.97
					<u>19.26</u>
		Total Pump in open pit,			\$ 159.23

STEAM LINE FROM NO.2 BOILER HOUSE  
TO SHAFT.

197	Ft. 5" Pipe (covered) net .5775			113.77
197	" 4" " " " .3780			74.47
3	5" Elbows	2.00	6.00	
2	4" Elbows	1.20	2.40	
6	Pr. 5" Flanges	3.00	18.00	
6	Pr. 4" Flanges	2.10	12.60	
	Less 75%		<u>39.00</u>	9.75
	Total,			<u>\$ 197.99</u>

WATER PIPE FROM NO.2 SHAFT TO  
NO.2 BOILER HOUSE.

183	Ft. 3" Pipe net .2643			48.37
3	3" Elbows	.75	2.25	
1	3" Butterfly Valve	12.00	<u>12.00</u>	
	Less 75%		14.25	<u>3.56</u>
	Total,			<u>\$ 51.93</u>

IDLE ON SURFACE BY NO.1 SHAFT.

1	Water Boiler - square			100.00
---	-----------------------	--	--	--------

IDLE ON SURFACE BY NO. 2 SHAFT.

39	Ft. 5" Pipe net .5775			22.52
2	6" to 5" Bushing	1.25	2.50	
2	5" Elbows	2.00	<u>4.00</u>	
	Less 75%		6.50	<u>1.63</u>
	Total,			<u>\$ 24.15</u>

SKIP PIT PUMP AT BOTTOM #2 SHAFT.

1	4" Gate Valve		20.00	20.00	
1	Pr. 4" Flanges		2.10	2.10	
2	4" to 3" Bushings		.50	1.00	
1	3" Tee		1.10	1.10	
6	3" Elbows		.75	4.50	
1	3" to 1 1/2" Bushing		.30	.30	
3	1 1/2" Globe Valve		3.50	10.50	
3	Pr. 3" Flanges		1.50	4.50	
1	4" 45 deg. Elbow		1.45	1.45	
1	1 1/2" Union		.58	.58	
1	1 1/2" Tee		.29	.29	
1	2 1/2" to 2" Bushing		.21	.21	
3	1 1/2" Elbow		.20	.60	
1	Pr. 2" Flanges		1.00	1.00	
25	Ft. 1 1/2" Pipe	Net .0963			2.41
32	" 2" Pipe	" .1260			4.03
43	" 3" Pipe	" .2643			11.36
2	2" Elbows		.28	.56	
5	1 1/2" Elbows		.20	<u>1.00</u>	
		Less 75%		49.69	<u>12.42</u>
		Total,			\$ 30.22

8" DISCHARGE THROUGH LEVEL (bottom)

496	Ft. 8" Pipe (fair)	Pr ft. .57 1/2		285.20
13	Pr. 8" Flanges	7.00	91.00	
1	8" Plug	2.75	2.75	
1	1 1/2" Swing Check Valve	5.50	5.50	
1	1 1/2" Plug	.07	.07	
3	8" Tees	9.75	29.25	
1	8" Plug	2.75	2.75	
1	8" to 6" Bushing	2.75	2.75	
1	6" to 3" Bushing	1.25	1.25	
4	8" Elbows	6.75	27.00	
2	8" Elbows 60 deg.	6.75	13.50	
2	8" Elbows 45 deg.	8.50	17.00	
69	Ft. 10" Tubing, flanged,	1.70		117.30
1	10" Elbow	13.50	13.50	
4	Pr. 10" Flanges	11.50	46.00	
1	10 x 7 x 7 Tee	22.50	22.50	
2 3/4	Ft. 10" Pipe	Net. 1.70		4.67
				407.17
	Less 75%		274.82	68.70
	Total,			\$ 475.87

STEAM LINE TO POWDER HOUSE.

40' 8"	1" Pipe.	Net .0578		2.34
1	3" to 1" Bushing	L .30	.30	
1	1" Globe Valve	1.80	1.80	
1	1" Union	.33	.33	
1	1" Elbow	.10 1/2	.11	
1	1" to 1/2" Bushing	.06	.06	
1	1/2" Jenkins Valve	1.60	1.60	
1	1/2" Union	.22	.22	
20	Ft. 1/2" Pipe	Net .0238		.48
18	Ft. 3/4" Pipe	" .0320		.58
	Totals Forward,		4.42	3.40

STEAM LINE TO POWDER HOUSE.- Cont.

	Bro't For'd	4.42	3.40
1 Heater 20 ft.- 1" Pipe	.0578 Net		1.16
2 1" to 3/4" Bushing	.06	.12	
1 3/4" to 1/2" Bushing	.05	.05	
1 1" Tee	.15	.15	
1 1" Plug	.04	.04	
1 1" Union	.33	.33	
8 1" Elbows	.10 1/2	.84	
1 1" Globe Valve	1.80	1.80	
			4.56
	Less 75%	7.75	1.93
Total Steam Line to Powder House,			\$ 6.49

L A N E H O I S T .

1 Duplex Lane Hoist 8 x 12 Drum 4" diam.			1.37
2 2" Jenkins Valves	8.75	17.50	
4 2" Elbows	.28	1.12	
1 Steam Gauge 6"	1.00	1.00	
20 Ft. 6" - 2" Pipe net	12.60		1.37
1 1 1/2" Angle Valve	3.50	3.50	
1 2" Oil Cup (with hoist)			
1 2" Tee	.41	.41	
1 2" to 1" Bushing	.14	.14	
1 1" to 3/4" "	.06	.06	
1 3/4" to 1/2" "	.05	.05	
2 Pr. 2" Flanges	1.00	2.00	
1 3" to 2" Bushing	.30	.30	
Totals forward,			1.37

LANE HOIST.- Cont.

		Bro't For'd	26.08	1.37
1	3" Tee	1.10	1.10	
1	3" to 1" Bushing	.30	.30	
1	1" Elbow		.10 1/2	
1	1" Globe Valve		1.80	
1	2" Check Valve (brass)		4.75	
1	12" Monkey Wrench		<u>.75</u>	
			34.88	
	Less 75 <sup>1</sup> / <sub>4</sub> %			<u>8.57</u>
	Total Lane Hoist,			\$ 9.94

AIR LINE FROM LANE HOIST TO

OLD SHAFT.

391	ft. 2" Pipe	12.60		49.27
3	Pr. 2" Flanges	1.00	3.00	
2	2" Jenkins Valves	8.75	17.50	
1	2" Tee	.41	.41	
2	2" to 1" Bushing	.14	.28	
1	2" Union	.75	.75	
1	1" Globe Valve	1.80	1.80	
2	3" Elbows	.75	1.50	
1	Pr. 3" Flanges	1.50	1.50	
1	3" Tee	1.10	1.10	
1	3" to 2 1/2" Bushing	.30	.30	
1	2 1/2" to 2" Bushing	.21	<u>.21</u>	
	Less 75%		28.35	<u>7.09</u>
	Total,			\$ 56.36

LINE TO BLACKSMITH SHOP

UNDERGROUND.

43'6"	1" Pipe	Net .0578		2.51
1	1" Tee	.15	.15	
2	1" Elbow	.10 1/2	.21	
1	1" Union	.33	.33	
2	1" Globe Valves	1.80	<u>3.60</u>	
	Less 75%		4.29	<u>1.07</u>
	Total,			\$ 3.58

MAIN STEAM LINE

(Fittings in use).

3	5" Tees	L	3.00	9.00
2	Pr. 5" Flanges		3.15	6.30
2	5" Elbows		2.00	4.00
1	5" Gate Valve		25.00	25.00
1	5" to 2 1/2" Bushing		.93	.93
1	2" to 1 1/2" Bushing		.14	.14
1	1 1/2" Globe Valve		3.50	3.50
2	1 1/2" Elbows		.20	.40
1	1 1/2" to 1 1/4" Bushing		.09	.09
4	1 1/4" Elbows		.16	.64
1	5" to 4" Bushing		.93	.93
1	4" to 2" Bushing		.50	.50
1	2" to 1 1/2" Bushing		.14	<u>.14</u>
	Less 75%		51.57	
	Total Main Steam Line,			12.89

24



BOTTOM LEVEL NO. 2.

2	3" Jenkins Valves	22.00	44.00	
1	(1 Qt. Detroit Lubricator)		00.00	
1	5" to 3" Bushing	.93	.93	
1	Pr. 1" Flanges	.52	.52	
1	2" Pipe Stock net 1.00			1.00
1	2" Die "	.35		.35
1	Steel Bar (10 lb)	.06#	.60	
1	Axle, Single bitted"	.75		.75
2	5" Plug	.88	1.76	
1	6" Plug	1.20	1.20	
4	3/4" Check Valves	1.15	4.60	
1	(16" Clevice)		00.00	
1	3" to 2" Bushing	.30	.30	
2	3" Tees	1.10	2.20	
3	1" Jenkins Valves	2.80	8.40	
5	1/2" Jenkins Valves	1.60	8.00	
2	1" Glove Valves	1.80	3.60	
2	2" Tees	.41	.82	
1	2" to 1" Bushing	.14	.14	
2	2" to 1/2" Bushing	.14	.28	
1	2" Globe Valve	5.30	5.30	
4	1" to 3/4" Bushing	.06	.24	
1	1" to 1/2" "	.06	.06	
1	1" Union	.33	.33	
3	1" Plug	.04	.12	
2	3/4" Plugs	.03	.06	
2	2 1/2" to 2" Bushings	.21	.42	
1	2 1/2" to 1 1/2" "	.21	.21	
13	1/2" Elbows	.06	.78	

Totals forward,

84.87

\$ 2.10

BOTTOM LEVEL NO.2 (Cont.-

		Bro't For'd	84.87	2.10
3	1/2" Unions	.22	.66	
1	2" to 1 1/2" Bushing	.14	.14	
1	2" to 3/4" "	.14	.14	
1	1/2" Plug	.02	.02	
1	3" Plug	.25	.25	
5	3" x 1/2" Machine Bolts net	.01		.05
20	ft. 3/4" Steam Hose " ft.	.25		5.00
13	7/8 x 6" Machine Bolts " each	.05		.65
1	3/4" Elbow	.08	.08	
1	3/4" to 1 1/2" Bushing	.09	.09	
3	1/2" Tees	.09	.27	
2	1/2" to 3/8" Bushings	.04	.08	
1	1/2" to 1/4" Bushing	.04	.04	
1	3/4" Union	.27	.27	
1	3/8" Elbow	.05	.05	
8	Ft. 1/2" Pipe net .0238			.19
2	1/2" Gate Valves	1.30	2.60	
2	1" Elbows	.10 1/2	.21	
1	1" Union	.33	.33	
1	1" Globe Valve	1.80	1.80	
1	1" Tee	.15	.15	
1	1" to 1/2" Bushing	.06	.06	
1	1/2" to 1/4" Bushing	.04	.04	
2	1 1/2" Unions	.58	1.16	
2	1 1/2" Elbows	.20	.40	
1	1/2" Globe Valve Jenkins	1.60	1.60	
4	1/4" " " "	1.10	4.40	
5	1/4" Elbows	.05	.25	
Totals forward, <sup>26</sup>			99.96	7.99

BOTTOM LEVEL NO.2- Cont.-

		Bro't For'd	99.96	7.99
1	1/4" Tee	.08	.08	
1	Pr. 4" Flanges	2.10	2.10	
1	4" Gate Valve	20.00	20.00	
2	4" Elbows	1.20	2.40	
1	3/8" Elbow	.05	.05	
14	Ft. 4" Pipe	Net .3780		5.29
1	6" Vacuum Gauge	1.00	1.00	
5	Lbs. Spring Wire	.22		1.10
2	5" Elbows	2.00	4.00	
1	5" Tee	3.00	3.00	
1	5" Plug	.88	.88	
25	Ft. 5" Pipe	Net ,5775		14.43
1	Pr. 5" Flanges	3.15	3.15	
1	5" Gate Valve	25.00	25.00	
1	6" to 5" Bushing	1.25	1.25	
1	Pr. 6" Flanges	3.95	3,95	
3	6" Elbows	2.75	8.25	
1	6" Tee	4.00	4.00	
1	6" Gate Valve	30.00	30.00	
1	8" to 6" Bushing	2.75	<u>2.75</u>	
26	Ft. 6" Pipe	net .6580	211.82	17.10
8	" 1 1/2" Pipe	" .0963		.77
30	" 1 1/4" Pipe	" .0788		2.36
TOOLS.-				
2	Cold Chisels 3#	pr.# .06 net		.18
1	Chalking Chisle	1 1/2# " "		.09
1	Center Punch	1# " "		.06
2	Hand Hammers	- 50 ¢ ea. net		<u>1.00</u>
	Totals forward,		211.82	\$ 50.37

29

BOTTOM LEVEL NO. 2- Cont.-

		Bro't For'd	211.82	50.37
2	14" Monkey Wrenches	1.00		2.00
1	12" " "	.75		.75
2	Lbs. Sheet Lead	.06		.12
1	2 Gal. Oil Can	.20	.20	
1	1 " " "	.10	.10	
2	Long Spout Oil Cans (1 Qt.)	.25	.50	
3	Squirt Cans	.25	.75	
1	Hand Saw	.50		.50
1	3ft. Chain Tongs (Vulcan) net	3.50		3.50
1	24 " Stillson Wrench	2.10		2.10
			<hr/>	<hr/>
	Less 75%		213.37	\$ 59.34
	Total Bottom Level,			<hr/> 53.34
				\$ 112.68

LEDGERWOOD HOIST UNDERGROUND

AT NO. 5 INCLINE SHAFT.

1	Pr. 2" Flanges	1.00	1.00	
1	3" to 2" Bushing	.30	.30	
1	3" Elbow	.75	.75	
1	2" Elbow		.35	
			<hr/>	
	Less 75%		2.40	
	Total,			.60
			<hr/>	

OLD FITTINGS NOT IN USE AT  
BOTTOM NO. 2.

1	1 1/2" to 1 1/4" Bushing	.09	.09
2	1" Stop Cocks (iron)	1.30	2.60
1	3" Jenkins Valve		22.00
1	3/4" Globe Valve		1.26
1	2" Jenkins Valve		8.75
1	1 1/2" Jenkins Valve		5.50
2	3" Plugs	.25	.50
3	3" Elbows	.75	2.25
2	4" 45 degree Elbows	1.45	2.90
1	3" Tee	1.10	1.10
4	4" to 2" Bushings	.50	2.00
3	2" Plugs	.10	.30
2	2" Elbows	.28	.56
1	3/8" Union	.20	.20
1	1 1/4" Union	.46	.46
1	Pr. 1 1/2" Flanges	.78	.78
2	3/4" Elbows	.08	.16
2	1" "	.10 1/2	.21
1	4" to 3" Bushing		<u>.50</u>
	Total, Less 75% -		52.12    13.03
	Less Amt. to make their figures,		<u>5.03</u>
	Total,		\$ 8.00

1	1 ton bucket (iron)	}	
1	1/2" " "	}	Lot -

Entered on  
page 10

29

NO. 1 CAGE LEVEL

Suction to Pump.

6	10" Elbows	L	13.50	81.00	
1	10" Tee		19.50	19.50	
1	10" Plug		3.75	3.75	
2	Pr. 10" Flanges		11.50	23.00	
91 1/2	Ft. 8" Pipe		1.15		105.23
2	8" 45 deg. Elbows		8.50	17.00	
1	8" Gate Valve		55.00	55.00	
1	8" to 6" Bushing		2.75	2.75	
1	8" Special Flange		2.80	2.80	
2	8" Elbows		6.75	<u>13.50</u>	
	Less 75%			218.30	<u>54.57</u>
	Total Suction to Pump,				\$ 159.80

SUCTION TO CONDENSER.

62 1/2	Ft. 5" Pipe		.5575		36.09
1	5" Ang. Globe Valve Jenk.		27.00	27.00	
2	5" Tee Cast Iron		3.00	6.00	
1	5" Plug		.88	.88	
3	Pr. 5" Flanges		3.15	9.45	
1	6" Elbow		2.75	<u>2.75</u>	
	Less 75%			46.08	<u>11.52</u>
	Total Suction to Condenser,				47.61

## DISCHARGE OF CONDENSER.

1	6" to 5" Bushing	1.25	1.25	
1	1" Crane Globe Valve	1.80	1.80	
52 3/4	Ft. 10" Pipe	1.70		89.67
4	Pr. 4" Flanges	2.10	8.40	
4	4" Elbows(cast)	1.20	4.80	
1	3" Globe Valve	9.80	9.80	
2	3" Tees	1.10	2.20	
1	3" to 1 1/2" Bushing	.30	.30	
1	1 1/2" to 1 1/4" Bushing	.09	.09	
1	Steam Gauge 6" Net	1.00		1.00
1	4" to 3" Bushing	.50	.50	
7	5" cast Elbows	2.00	14.00	
2	6" to 5" Bushings	1.25	2.50	
1	5" Gate Valve	25.00	25.00	
1	6" Gate Valve	30.00	30.00	
1	3" to 1 1/4" Bushing	.30	.30	
1	5" Jenkins Valve	27.00	27.00	
1	2" Tee	.41	.41	
1	2" to 1/2" Bushing	.14	.14	
1	2" Jenkins Globe Valve	8.75	8.75	
1	1/2" " " "	1.60	1.60	
1	4" Tee	1.75	1.75	
1	4" to 2 1/2" Bushing	.50	.50	
1	2 1/2" Tee	.73	.73	
3	2 1/2" Elbows	.50	1.50	
1	2 1/2" Globe Valve J.	15.75	15.75	
1	Pr. 2 1/2" Flanges	1.25	1.25	
1	2 1/2" to 1 1/2" Bushing	.21	.21	
1	1 1/2" Globe Valve J.	5.50	5.50	
1	1 1/2" Flange	.39	.39	
Totals forward, $\frac{31}{2}$			166.42	90.67

DISCHARGE OF CONDENSER.-- Cont.

		Bro't For'd	166.42	90.67
4	1 1/2" Elbows	L .20	.80	
1	1 1/2" Tee	.29	.29	
1	1 1/2" Union	.58	.58	
4	3" Elbows	.08	.32	
1	3/4" Union	.27	.27	
1	3/4" Tee	.12	.12	
3	3/4" to 1/2" Bushing	.05	.15	
9	1/2" Elbows	.06	.54	
3	1 1/4" Elbows	.16	.48	
2	1 1/4" Tees	.23	.46	
2	1 1/4" Globe Valves J.	4.00	8.00	
2	1 1/4" to 1" Bushing	.07	.14	
1	1" to 3/4" Bushing	.06	.06	
1	3/4" to 1/4"	.05	.05	
1	1" to 1/2" "	.06	.06	
6	2" Elbows	.28	1.68	
2	2" Unions	.75	1.50	
1	Vacum Gauge 6"	1.00	1.00	
6	1/" Swing Check Valves	2.25	13.50	
9	1/2" Globe Valves J.	1.60	14.40	
5	3/4" Elbows	.08	.40	
2	3/4" Unions	.27	.54	
1	3/4" Globe Valve J.	2.20	2.20	
110	Ft. 4" Pipe (from bottom)	Net 37.80		41.58
53 1/2"	Ft. 2" "	" 12.60		6.74
50	Ft. 1" "	" 5.78		2.89
12	Ft. 3" "	" 26.43		3.17
				<u>145.05</u>
			213.96	<u>53.49</u>
		Less 75%		
				\$ 198.54



NO. 1 CAGE LEVEL.

PIPE AND FITTINGS NOT IN USE -

1	2" Jenkins Valve	8.75	8.75	
1	1/2" Jenkins Valve	1.60	1.60	
1	10" to 6" Bushing	3.75	3.75	
1	6" to 5" Bushing	1.25	1.25	
1	5" to 4" Bushing	.93	.93	
1	4" to 2" Bushing	.50	.50	
1	2" Stop Cock	2.70	2.70	
1	3" to 2 1/2" Bushing	.30	.30	
1	2" to 1 1/2" Bushing	.14	.14	
2	1 1/2" Plug	.07	.14	
1	3/4" Union	.27	.27	
1	Pr. 1 1/2" Flanges	.78	.78	
1	6" Elbow	2.75	2.75	
1	6" to 5" Flanges	1.25	1.25	
1	10" to 2" Bushing	3.75	3.75	
1	2" Plug	.10	.10	
2	Pr. Swift Lubricators			.76
				.76
	Less 75%		28.96	7.24
	Total			\$ 8.00

MAIN STEAM PIPE NO.2 SHAFT.

4	Pr. 5" Flanges	3.15	12.60	
1	5" Oliver Expansion Joint	89.50 net		89.50
1	5" Jenkins Valve	27.00	27.00	
				89.50
	Less 75%		39.60	9.90
	Total,			\$ 99.40

DISCHARGE LINE.

1	10" Special Cast Tee	19.50	19.50	
1	10" x 10" x 8" Special Tee	22.50	22.50	
3	Prs. 10" Flanges	11.50	34.50	
1	10" Elbow	13.50	13.50	
564	ft. 10" Pipe	1.70	Net	958.80
320	" 1" "	5.78	"	<u>18.50</u>
				977.30
	Less 75%		90.00	<u>22.50</u>
				999.80
	Less Amount to make their figures,			<u>232.95</u>
	Total,			\$ 766.85

DISCHARGE PIPE

NO. 2 Shaft 160 ft. Level.

128 1/2	ft. 6" Pipe	net	65.80	84.55
133 3/4	" 5" "	"	57.75	77.24
561	" 5" "	"	57.75	<u>323.98</u>
				485.77
	Less Amt. to make their fgrs.			<u>98.60</u>
	Total,			\$ 387.17

IN NO. 1 SHAFT.

Not in use.

100	Ft. 8" Pipe	net	1.15	115.00
1	Pr. 8" Flange		7.00	<u>7.00</u>
				115.00
	Less 75%		7.00	<u>1.75</u>
	Total,			\$ 116.75
	Less Amt. to make their figures			<u>34.50</u>
	Net Total,			\$ 82.25

AIR LINE NO. 1 SHAFT.

In Use.

480	Ft. 4" Pipe	Net 37.80		181.44
1	4" Elbow	1.20	1.20	
19	Pr. 4" Flanges	2.10	39.90	
1	4" Expansion Joint	18.00	18.00	
1	1" Jenkins Valve	2.80	2.80	
1	1" Elbow	.10	<u>1/2 .10</u>	
	Less 75%		62.00	<u>15.50</u>
	Total Air Line,			\$ 196.94

STEAM LINE NO. 1 SHAFT.

480	Ft. 4" Pipe	Net 37.80		181.44
3	4" Tees	1.75	5.25	
1	4" to 3" Bushing	.50	.50	
1	3" to 1" Bushing	.30	.30	
1	1" Jenkins Valve	2.80	2.80	
1	1" Tee	.15	.15	
1	1" Plug	.04	.04	
1	1" to 1/2" Bushing	.06	.06	
27	Pr. 4" Flanges	2.10	56.70	
1	4" Jenkins Valve	27.00	27.00	
2	4" to 2" Bushing	.50	1.00	
2	4" Expansion Joints	18.00	36.00	
2	2" Jenkins Valve	9.50	<u>19.00</u>	
	Less 75%		148.80	<u>\$ 181.44</u> <u>37.20</u>
	Total Steam Line,			\$ 218.64

A I R L I N E.

633	Ft. 3" Pipe	net	26.43		167.30
7	3" Tees		1.10	7.70	
3	3" to 2" Bushings		.30	.90	
9	Pr. 3" Flanges		1.50	13.50	
3	3" Plugges		.25	.75	
4	3" Elbows		.75	3.00	
1	3" to 1 1/4" Bushing		.30	.30	
1	1 1/4" to 1" Bushing		.20	.20	
1	1" Common Stop Cock		1.30	1.30	
1	1" Tee		.15	.15	
1	1" Plug		.04	.04	
1	3" Jenkins Valve		22.00	22.00	
1	3" to 1" Bushing		.30	.30	
1	1" Jenkins Globe Valve		2.80	2.80	
1	1" Elbow		.10 1/2	.11	
8 1/4	Ft. 1" Pipe	net	.578		.48
5	3" Elbows		.75	3.75	
1	3" Tee		1.10	1.10	
1	3" to 1 1/4" Bushing		.30	.30	
1	1 1/4" to 1" Bushing		.07	.07	
1	1" Common Stop Cock		1.30	1.30	
1	1" Jenkins Globe Valve		2.80	2.80	
3	Pr. 3" Flanges		1.50	4.50	
6 1/4	Ft. 10" Pipe	net	1.70		<u>10.62</u>
					178.40
		Less: 75%		66.87	<u>16.72</u>
	Total Air Line,				\$ 195.12

STEAM LINE.

941 1/2	Ft. 4" Pipe	net	37'80		355.89
2	4" Tees		1.75	3.50	
2	4" to 2" Bushings		.50	1.00	
4	2" Tees		.41	1.64	
2	2" Plugs		.10	.20	
1	2" to 3/4" Bushing		.14	.14	
1	4" Jenkins Valve		27.00	27.00	
1	2" Jenkins Valve		8.75	8.75	
1	1/2" Jenkins Valve		1.60	1.60	
1	4" Expansion Joint		18.00	18.00	
1	5" to 4" Bushing		.93	.93	
1	2" Jenkins Valve		8.75	8.75	
13	Pr. 4" Flanges		2.10	27.30	
17	4" Elbows		1.20	<u>20.40</u>	
		Less 75%		119.21	<u>29.80</u>
	Total Steam Line,				\$ 385.69

WATER PIPE IN OLD WINZE.

33	Ft. 3" Pipe	net	26.43		8.72
3	3" Elbows		.75	2.25	
1	Pr. 3" Flanges		1.50	1.50	
1	3" to 2 1/2" Bushing		.30	.30	
1	2 1/2" Union		1.55	1.55	
1	2 1/2" to 2" Bushing		.21	.21	
18 1/2	Ft. 2 1/2" Pipe	net	20.12		3.72
12	" 2" Pipe	"	12.60		<u>1.51</u>
		Less 75%		5.81	<u>13.95</u>
	Total Water Pipe,				\$ 15.40

4" AIR LINE ON GAGE LEVEL.

739	Ft. 4" Pipe	net	37.80		279.34
2	4" Tees		1.75	3.50	
4	4" to 3" Bushings		.50	2.00	
1	3" to 2 1/2" Bushing		.30	.30	
1	2 1/2" to 2" Bushing		.21	.21	
1	2" Jenkins Valve		8.75	8.75	
1	2" Flange		1.00	1.00	
2	4" Globe Valves Jenkins		27.00	54.00	
1	3" to 1" Bushing		.30	.30	
1	1" Jenkins Ang. Valve		2.80	2.80	
5	4" Elbows		1.20	6.00	
10	Pr. 4" Flanges		2.10	<u>21.00</u>	
		Less 75%		99.86	<u>24.96</u>
		Total Air Line,			\$ 304.30

NO. 5 Incline, Air Line.

264	Ft. 1" Pipe		5.78		15.26
4	1" Unions		.33	1.32	
2	1" Elbows		.10 1/2	.21	
2	1" Iron Stop Cocks		1.30	2.60	
2	1" Tees		.15	<u>.30</u>	
		Less 75%		4.43	<u>1.10</u>
		Total #5 -			\$ 16.36

2" LINE TO NO. 6 DRIFT.

478 3/4	Ft. Pipe -2"	Net	12.60		60.32
2	2" Jenkins Valves		8.75	17.50	
5	Pr. 2" Flanges		1.00	5.00	
2	2" Unions		.75	1.50	
6	2" Elbows		.28	1.68	
4	2" Tees		.41	<u>1.64</u>	
	Totals forward,			27.32	60.32

38

2" LINE TO NO. 6 DRIFT.- Cont.-

		Bro't for'd,	27.32	60.32
2	2" Plugs	.10	.20	
2	1" Iron Stop Cocks	1.30	2.60	
2	2" to 1" Bushings	.14	.28	
2	1" Jenkins Valves	2.80	5.60	
2	1" Unions	.33	.66	
1	1" to 3/4" Reducer	.16	.16	
56	Ft. 1" Pipe	Net 5.78		3.24
		Less 75%	36.82	<u>9.20</u>

Total 2" Line to NO.6 Drift,

\$ 72.76

PUMP, PIPE AND FITTINGS AT  
BOTTOM NO. 3 INCLINE.

100	Ft. 1" Pipe	net	5.78	5.78
2	3" Elbows		.75	1.50
1	3" to 1 1/2" Bushing		.30	.30
1	3" to 2 1/2" Bushing		.30	.30
1	2 1/2" to 2" Bushing		.21	.21
1	3" Tee		1.10	1.10
1	1 1/2" Elbow		.20	.20
1	1 1/2" Jenkins Globe Valve		5.50	5.50
1	1" Iron Stop Cock		1.30	1.30
8	1" Elbow		.10 1/2	.84
3	1" Unions		.33	.99
1	1" Jenkins Glove Valve		2.80	2.80
1	3" to 2" Bushing		.30	.30
1	2" Plug		.10	.20
2	Pr. 2" Flanges		1.00	<u>2.00</u>
	Totals forward,		17.54	<u>5.78</u>

PUMP, PIPE AND FITTINGS AT  
BOTTOM NO.3 INCLINE.- Cont.-

	Bro't For'd	17.54	5.78
1	2" Tee	.41	.41
1	2" to 1" Bushing	.14	.14
1	1" Plug	.04	.04
87	Ft. 2" Pipe      Net	12.60	10.96
1	2" Elbow	.28	<u>.28</u>
	Less 75%	18.41	<u>4.60</u>
	Total,		\$ 21.34
	Less Amt. to make their figures,		<u>5.00</u>
	Net Amt.		\$ 16.34

TOP PUMP HOUSE.

34	Ft. 1" Pipe	Net	5.78	1.97
10	" 1 1/2" Pipe	"	9.63	.96
26	" 2" Pipe		12.60	3.28
31	" 3" Pipe		26.43	8.19
73	" 5" Pipe		57.75	42.16
2	6" Elbows		2.75	5.50
2	6" Tees		4.00	8.00
1	7" Gate Valve		45.00	45.00
8	5" Elbows		2.00	16.00
2	Pr. 5" Flanges		3.15	6.30
1	5" Tees		3.00	3.00
1	5" Plug		.88	.88
1	5" Gate Valve		25.00	25.00
1	4" Tees		1.75	1.75
2	4" Elbows		1.20	2.40
3	3" Elbows		.75	2.25
2	3" Tees		1.10	2.20
1	Pr. 6" Flanges		3.95	<u>3.95</u>
	Totals forward,		122.23	\$ 56.56



TOP PUMP HOUSE.- Cont.-

	Bro't for'd	122.23	56.56
1Pr. 3" Flanges	1.50	1.50	
2 3" Plugs	.25	.50	
1 2 1/2" to 2" Bushing	.21	.21	
2 3" to 2" Bushing	.30	.60	
3 1 1/2" to 1 1/4" Bushing	.09	.27	
1 1 1/4" to 1" Bushing	.07	.07	
1 6" to 4" Bushing	1.25	1.25	
1 6" to 5" Bushing	1.25	1.25	
1 2" to 1 1/2" Bushing	.14	.14	
1 2 1/2" to 1" Bushing	.21	.21	
5 1" Elbows	.10 1/2	.53	
1 1" Jenkins Globe Valve	2.80	2.80	
2 2" Tees	.41	.82	
11 2" Elbows	.28	3.08	
4 2" Jenkins Valves	8.75	35.00	
2 2" Jenkins Globe Valves	8.75	17.50	
2 Pr. 2" Flanges	1.00	2.00	
4 1 1/2" Jenkins Globe Valves	5.50	22.00	
1 Pr. 1 1/2" Flanges	.78	.78	
2 1 1/2" Elbows	.20	.40	
2 1 1/2" Tees	.29	.58	
1 1 1/2" Plug	.07	.07	
	Less 75%	213.79	<u>53.44</u>
Total Top Pump House,			\$ 110.00

TOP PUMP HOUSE.  
TOOLS AND PACKING.

5	Lbs. 3/4" Sq. Hard Packing	)		
2	" 1/2" " " "	)		
2	" 1/2" " Flak "	)		
2	" 5/8" Daniels Packing	)		
1	12" Monkey Wrench		net.75	.75
1	14" " "		1.00	1.00
1	24" Stilson Wrench		2.10	2.10
1	Hand Hammer		.50	.50
1	7 lb. Hammer	.06 pr.#	.42	.42
1	Axe		.23	.23
1	Hand Saw		.50	.50
5	1 Gal. Oil Cans		.10	.50
2	1/2" Squirt Cans		.25	.50
1	1 Qt. Oiler		.25	.25
2	Cold Chisels 3#	.06 pr.#		.18.
1	12# Bar	.06		.72.
115	Ft. 4" Steam Pipe		37.80	43.47
5	4" Tees		1.75	8.75
1	4" to 2 1/2" Bushing		.50	.50
1	2 1/2" to 2" Reducer		.70	.70
2	2" Jenkins Globe Valves		8.75	17.50
1	2" to 1 1/2" Bushing		.14	.14
1	1 1/2" Tee		.29	.29
1	1 1/2" to 1 1/4" Bushing		.09	.09
1	1 1/4" to 1" Bushing		.07	.07
1	1" Iron Stop Cock		1.30	1.30
4	4" to 2" Bushings		.50	2.00
2	2" Plugs		.10	.20
10	7# Hammers, striking 70#		.06	4.20
3	4" Jenkins Valves		27.00	<u>81.00</u>
Totals forward,			113.44	54.42

TOP PUMP HOUSE  
TOOLS AND PACKING.

	Bro't for'd	113.44	54.42	
1	Pr. 4" Flanges	net 2.10	2,10	
2	2" Elbows	.28	.56	
1	1 1/2" Plug	.07	<u>.07</u>	
	Less 75%	116.17	<u>29.04</u>	
	Total Tools & Packing,	\$	83.46	0.00

RUBBER SUPPLIES AT PUMP.

12	Lbs. 7/8" Sq. Flax Packing	.17 1/2	2.10	
6	" 3/4" Daniels Packing	.85	5.10	
4	" 1/2" " "	.85	3.40	
2	" 3/8" " "	.85	1.70	
2	" 1/2" Sq. Flax Packing	.17 1/2	.35	
2	" 3/8" " " "	"	.35	
2	" 1/2" " Hard "	.38	.76	
20	" 1/8" Rainbow "	.45	9.00	
20	" 1/16" " "	.45	9.00	
10	" 1/8" Cloth Insertion Packing	.15	<u>1.50</u>	
	Total,		33.26	
	Less Amt. to make their figures,		<u>6.26</u>	
	Net amount,			27.00

Pump house bottom of NO. 2, 100.00

WIRE - ROPE.

2250 Ft. 1-1/4" Steel for Cage	.46	1035.00-	50-5-30%	344.14
440 " 3/4" " " Transfer	.18	79.20-	50-5-66 2/3	12.54
290 " 1" " " U.G.#6 Shaft	.30	87.00	"	13.77
198 " 3/4" " "No.5 Shaft	.18	35.64	"	5.64
135 " 3/4" " "Guids for D	.18	24.30	"	3.85
140 " 3/4" " " "	.18	25.20	"	3.99
210 " 3/4" " " "	.18	37.80	"	5.98
120 " 3/4" " " "	.18	21.60	"	3.42
1800 " 1-1/4" "(1000 fair,800 scrap)	.46	460.00	"	72.83
750 " 1" "Guide for shaft house	.30	225.00	"	<u>35.63</u>

Total Steel Rope, \$ 501.79

365 Ft. 3/4" Manila Rope-Good	73#	.06	4.38
112 " 3/4" " " -Fair	221/2#	.06	1.35
232 " 1 1/4" " " -Fair	100#	.06	6.00
475 " 1 1/4" " " -Good	220#	.06	13.20
115 " 1 1/2" " " -Fair	76 1/2#	"	<u>4.59</u>

Total Manila Rope, \$ 29.52

BLOCKS.

2 Pr. 8" Double Wood Blocks	7.50 ea.	- 70-10%	4.05
1 " 8" Single " "	4.45	70-10	1.20
1 14" Triple Iron " "	16.50	60 %	6.60
1 12" Iron Snatch Block	17.00	50-5	8.08
1 14" Dble. Iron Block	11.75	60	<u>4.70</u>
Total Blocks,			<u>24.63</u>

2000 Ft. 1-1/4" Steel Rope Guides for Pumps,	.46	920.00	
1500 " 1" " " " " "	.30	<u>450.00</u>	
Less 50-5-662/3%		1370.00	\$ 216.92

UNDERGROUND TRACKS BOTTOM LEVEL.

8747	Ft. 24# Rails (in use) 69976#	)		
<u>506</u>	" " " (not in use) 4048#	)		
9253	" " 74024#	)		
7	Throw Switches (in use)	)		
24	Cross "	)	at 33.50 gr. ton,	1107.76
	Added to make their figures,			<u>302.17</u>
	<u>Total,</u>			\$1409.93

CAGE LEVEL.

2433	Ft. 24# Rails (in use) 19464#	)		
432	" " " (not in use) 3456#	)		
	22920#		at 33.50 gr. ton	342.77
3	Throw Switches	)		
9	Cross "	)		
	Added to make their figures,			<u>342.77</u> <u>99.79</u>
	<u>Total,</u>			\$ 442.56

BURIED UNDER SAND IN LEVEL.

2100	Ft. 24# Rails- 16800#	)		
12	Switches	)		332.40

RAILS ON #2 TRESTLE

869	Ft. 60 lb. Rails	17380#		155.18
	Added to make their figures,			<u>88.13</u>
	<u>Total,</u>			\$ 243.31

RAILS ON #1 TRESTLE.

1123	Ft.- 30 lb. Rails- 11230#			100.27
2	Switches			
30	Sets Track Splices, per set of 4 at 35 ¢ pr. 2			21.00
	Added to make their figures,			<u>96.37</u>
	<u>Total,</u>	45		\$ 217.64

- SURFACE -

4	Wood Wheel-barrows	1.00	4.00
2	Iron " "	1.00	<u>2.00</u>
	Total Surface,		\$ 6.00

OLD LUMBER ON NO.2 STOCKPILE BOTTOM.

23500	Ft. 1" Lumber		
<u>39000</u>	" 2" "		
62500			437.50

OLD LUMBER ON NO. 1 STOCKPILE BOTTOM.

60000	Ft. 2" Lumber		
<u>22500</u>	" 1" "		
82500			577.50

HORSES AND WAGONS.

2	Horses with harnesses		350.00
1	Single horse		<u>110.00</u>
	Total Horses, <i>as below,</i>		\$ 460.00
2	Wagons	25.00	50.00
2	Timber trucks	40.00	80.00
3	Sleighs	15.00	45.00
1	Dump Cart	25.00	<u>25.00</u>
	Total Wagons & Sleighs, ect.		200.00
6	Mules,		445.00
	Horses (as above) ×		<u>460.00</u>
	Total Horses & Mules,		\$ 905.00

TOOLS USED IN BLACKSMITH SHOP UNDERGROUND.

1	Anvil	)		
1	10# Sledge	)		
3	Small Hammers	)		
		)	Total Tools,	5.00

36-20"	Iron Sheaves			62.40
1-4 ft.	"			25.00
2-6 "	Bicycle sheaves	80.00		160.00
4-8 "	" "	112.00		<u>448.00</u>
			Total,	\$ 695.40

OFFICE FURNITURE.

1	No. 8 B. P. B. Press	8.00		8.00
3	Shannon Files	.50		1.50
3	Office Chairs (lot 2.00)			2.00
1	No. 613 P. O. Scale	1.00		1.00
1	Roll Desk			15.00
1	Standing Desk			12.00
1	Flat Table			7.50
1	Swinging Chair			<u>3.00</u>
			Total Office furniture,	50.00
1	Herring Safe			<u>50.00</u>
			Total,	\$ 100.00

CARPENTER SHOP.

1	5" Blacksmiths Vice	)		
1	6" - 2" diam. Grindstone	)		
1	Angle Boring Machine with bits	)		
	Sizes of bits 2", 1 1/2", 1 1/4", 1 1/8"	)		
1	2 1/2 x 24" Jack Screw	)		
1	2 1/2 x 18" " "	)		
2	2 x 14" " "	)		
2	2 1/2 x 12" " "	)		
1	2 x 12" " "	)		
1	12" Broad Axe	)		
5	5 ft. Crosscut saws and handles	)		
2	Single Bitted Axes	)		
5	24" Steel Squares	)		
4	Adzes	)	Lot,	55.00
1	1 1/2" - 12" Twist ship auger	)		
1	1 1/4" - 12" " "	)		
1	1 1/8" - 12" " "	)		
1	1" - 12" " "	)		
1	7/8" - 12" " "	)		
2	3/4" - 12" " "	)		
1	5/8" - 12" " "	)		
1	18# Sledge Hammer	)		
1	2" - 6" Twist Auger	)		
3	14# Hammers	)		
1	Scoop Shovel	)		
5	Cant Hooks	)		

33	Lbs. Steel Bars (for Jack screws)	.06	1.98	
90	" " (pinch bars)	.06	5.40	
5	3/8" Chains 91#	33 1/3%	.05	4.55
2	1/2" " 46#	"	.05	2.30
2	5/8" " 95#	"	.05	4.95
2	3/4" " 185#	"	.05	9.25
	Less 33 1/3%		21.05	14.03
	Total,		21.41	0.00



DRILL STEEL, IRON, SCRAPERS, ETC. UNDERGROUND.

560	Lbs. Machine Drill Steel	.06 1/2	36.40	
1645	" Hand " "	"	106.92	
185	" Iron Jumpers	.03	5.55	
125	" " Scrapers	.03	3.75	
115	" " Augers	.03	3.45	
15	" 3/4" Round Iron	.03	.45	
35	" 1 1/4" " "	.03	<u>1.05</u>	
				Total,
				157.57
				Less Amt. to make their figures,
				<u>4.07</u>
				Net. Amt.
				\$ 153.50

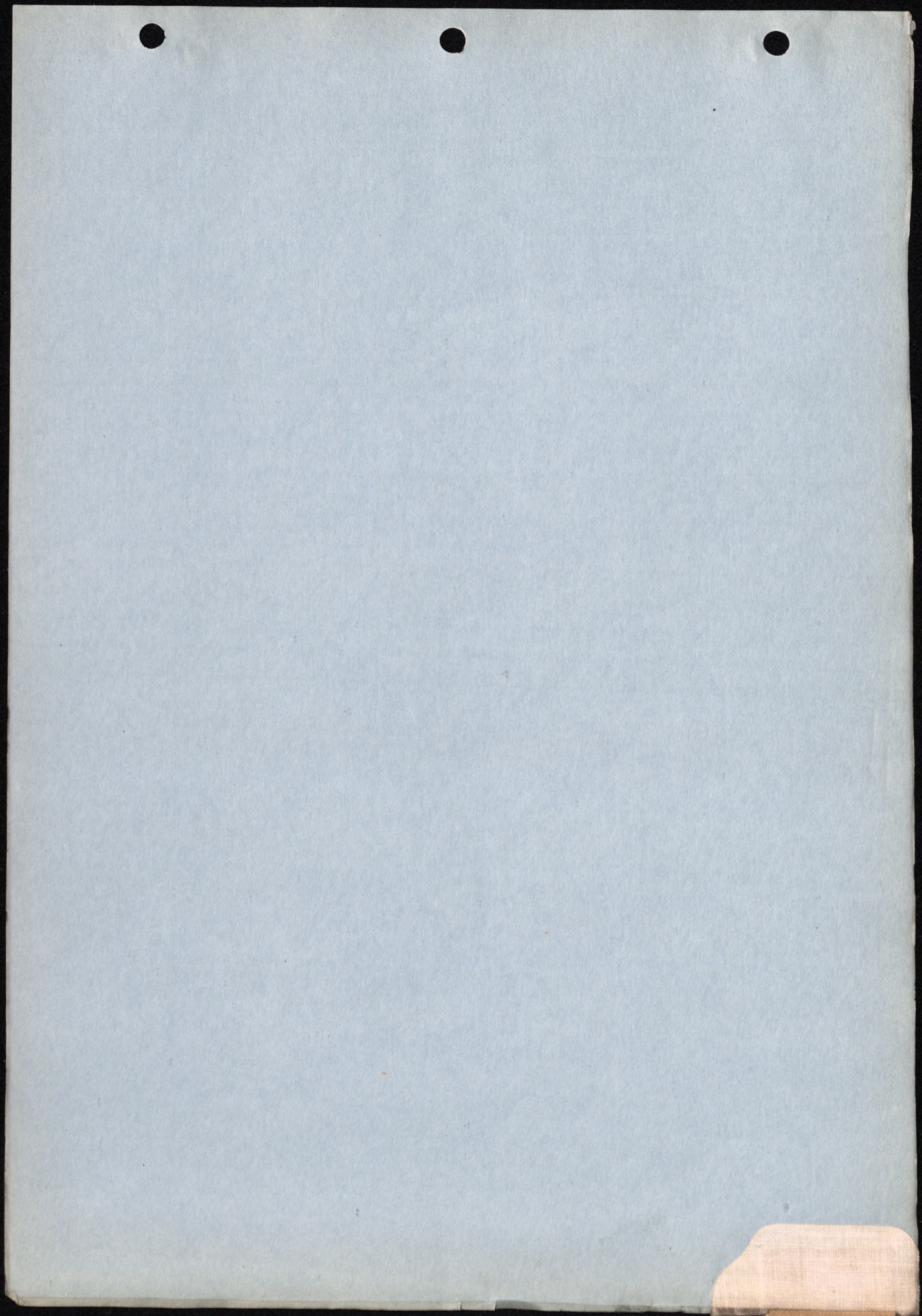
	<i>Underground</i>			
25	Small Hammers 175#	.06 net	10.50	
7	Sledge Hammers 84#	.06 "	5.04	
12	Saws (hand)	9.00-50%	4.50	
13	Axes	5.50-50%	2.98	
44	Picks	7.50-50	13.75	
2	Crosscut Saws	2.45-50%	2.45	
24	Shovels	7.50-50%	<u>7.50</u>	
				Total,
				\$ 46.72
				0.00

MISCELLANEOUS TOOLS.

5	Tapping Rests	)		
3	"Old Men for Wrenchet	)		
22	Bolt Heddors	)		
13	Small Mandrills	)		
15	Bolsters	)		
2	Bottom Fullers	)		
3	Top Fullers	)		
2	Side Sets	)		
1	Center Punch	)		
125	Blacksmith Punches	)		
2	Flaners	)		
10	Heddors for Anvil	)		
2	Rivet Sets	)		
2	Dogs for setting tires)	)		
			Lot,	20.00
			49	0.00

TOOLS IN BLACKSMITH SHOP - ON SURFACE.

1	Blacksmith Anvil 226#	)	
1	Bench Vice	)	
1	Blacksmiths Drill Press	)	
2	Monkey Wrenches	)	
1	Cast Iron Mandrill	)	
1	Wrratchet Drilling Machine	)	
1	1 Gal. Oil Can	)	
5	Blacksmith Sledges 55#	)	
9	Drills for drilliPress	)	
15	Drills for Wrratchet	)	
1	Swedge Block 280#	)	
43	Blacksmiths Tongs	)	
9	Hand Chisels	)	
11	Blacksmith Chisels	)	
3	Ladles	)	
17	Bottom Swedges	)	
12	Top Swedges	)	
1	Small Trun Buckle	)	
1	Set Blacksmith Dies 1/4 to 1 1/4)	)	
1	48" Bellows	)	
		)	Lot, 80.00



THE CLEVELAND-CLIFFS IRON CO.

NEG A U N E E M I N E

INVENTORY OF SUPPLIES ON HAND

September 1st. 1903.

- N-E G A U N E E M I N E -

INDEX AND SUMMARY OF SUPPLIES.

<u>Page.</u>		<u>Amount.</u>
1 - 2	General Supplies- - - - -	140.78
3 - 7	Iron & Steel - - - - -	862.25
8 -	Oil, Grease & Candles - - - - -	88.11
9 - 20	Machinery Supplies - - - - -	564.58
21-	Building Material - - - - -	19.31
21-	Explosives - - - - -	173.48
22- 23	Mine Timber - - - - -	3330.08
23-	Fuel - - - - -	1945.60
23-	Barn - - - - -	<u>6.63</u>
	Total,	7130.82
24-	Scrap	<u>27.54</u>
	Total,	7158.36

THE CLEVELAND-CLIFFS IRON CO.

- N E G A U N E E M I N E -

Inventory of Supplies on hand Sept. 1-1903.

GENERAL SUPPLIES.

18	Balls cand wickg,	.02	.36
17	Balls " "	.02	.34
5#	Candle Wicking	.18	.90
2-16-	C.P. Incad. Lamps	N.G.	
21	Elec. Lt. Insulators	.02	.42
3	Porcelain Knobs	.02	.06
1	1 Gal. Measure	.15	.15
2	#2 Lamp Chimnies	.05	.10
10#	White lead	.7 1/2	.75
500ft.	(9#) No. 14 Leading Wire	.01	5.00
12	S. B. Ax Handles	doz. 1.25	1.25
6	Hand saw handles	" .70	.35
8	Cant Hooks	" 1.80	1.20
2	Adz Handles	" 1.80	.30
10	26" Superior Hand Saws	" 8.50	7.08
4	S. B. Axes (3 3/4 - 4 3/4#)	5.50	1.83
1	T. B. " (3 1/2")	"	.46
2	Long hand R. P. Shovels	.75	1.50
1#	Borax	.10	.10
1	2 Gal. Can	.20	.20
1	3 " " Old	.15	.15
6#	Okanite Wire "	.20	1.20
1	Oil Suit	2.50	2.50
2	" Hats	.25	.50
5 1/2#	Brass Spring Wire	.22	<u>1.21</u>

27.91

- N E G A U N E E M I N E -

G E N E R A L S U P P L I E S ( Continued )

		Bro't For'd.		27.91
2	7# Striking Hammers	.06	.84	
1/2	Bbl. Salt	.90	.45	
24 1/2"	Sheet Lead (Pr.C.#)	5.25	1.29	
1	D.P. Pick	.50	.50	
5#	Salammonio	.09	.45	
3	#0 Lant Globes	.48 Doz.	.12	
4	#2 Lamps on zincs	.20	.80	
1	#1 " " "	.20	.20	
1	Pr. Cross cut saw handles	.40	.40	
2	Pr. Elec. Lt. Switches	.50	1.00	
1	Porc. " " Rosette		.20	
13	Sq. Pointed shovels	6.25 doz.	6.77	
1	5 Gal. Can - new -	.38	.38	
1	" " " old	.20	.20	
1	Sq. Pointed Shovel	5.25 doz.	.44	
4 1/5 Tons	Bloss Coal	5.10	<u>21.42</u>	
750ft.	3/4" Wire Rope - new -	.18	135.00	35.46
	( No. 1 Eng. House )			
	Less 50-5 %			64.12
	- ( In Carpenter Shop ) -			
122	Ladder Rounds 16"	17.75Pr.M	2.17	
3	New Wheel-barrow wheels	.60	1.80	
5	" 18 x 8 1/2 Basswood B. Blocks	.20	1.00	
30	" 19 x 6 1/2 " "	.20	7.20	
1	16ft. Ladder	.07	<u>1.12</u>	
				<u>13.29</u>
	Total General Supplies,			\$140.78

- NEGAUNEE MINE -

I R O N & S T E E L .

1#	1 1/4 x 38/ Rivets	.05	.05
234#	4d Wire Nails	2.55	5.97
41#	6d " "	2.45	1.00
98#	20d " "	2.25	2.21
500#	20d. " "	2.25	11.25
2	Bracket Castings 20#	.3 1/8	<u>.06</u>

20.54

1	3/8 x 2 1/2 Lag Screws	3.22 Pr.C.	.03
1	3/8 x 3 " "	3.48 " "	.03
9	3/4 x 6 1/2 " "	13.50 " "	1.22
108	3/4 x 9 " "	17.00 " "	18.36
1-7/8	x 16 " "	34.50 " "	.35
2	7/8 x 12 " "	30.50 " "	<u>.61</u>

20.60

Less 75-5%

15.71

4.89

L. & Co.	57#	7/8 Chain Links (Belonging to Steam Shovel)	.00
	16#	3/4 " " " " " "	.00
1 1/4#	3/4 sq. Blank Nuts (Hot Pressed)	8.50 Pr.C#	.11
15 1/4#	7/8 Hex " " " "	9.90 " "	1.51
6 1/2#	1" Hex " " " "	9.70 " "	.63
3#	3/8 " " " " " "	14.00 " "	.42
5#	3/8 Sq. " " " "	10.50 " "	.53
3/4#	1/2 Hex " " " "	11.20 " "	.08
11 3/4#	1/2 Sq. " " " "	9.00 " "	1.06
2 1/4#	1/2 Hex " " " "	11.20 " "	<u>.25</u>

4.59

Less \$ 500

2.29

2.30

Forward,

\$27.73



- NEGAUNEE MINE -

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

		Bro't For'd.		\$ 27.73
3#	1 x 3/8 Rivets	.05	.15	
87#	1 1/2 x 1/2 "	3.75	Pr.C.3.26	
69#	2 x 1/2 "	"	" " 2.59	
30#	2 1/2 x 1/2 "	"	" " 1.13	
20#	1/2 x 3 "	"	" " .75	
10#	2 x 5/8 "	"	" " .37	
30#	2 1/2 x 5/8 "	"	" " 1.13	
4 1/2#	2 1/2 x 3/4 "	"	" " .17	
128#	Cast Washers	2.00	2.56	
15 3/4#	1/4" Cut Washers	7.70	1.21	
16#	3/8 " "	5.00	.80	
30 1/2#	1/2" " "	4.70	<u>1.43</u>	
113	7/8 x 5 Machine Bolts	15.40	17.40	15.55
122	1/2 x 3 " "	4.38	5.34	
40	1/2 x 4 " "	4.90	1.96	
38	5/8 x 1 1/2 " "	5.20	1.98	
43	5/8 x 3 " "	6.34	2.73	
185	5/8 x 4 " "	7.10	13.14	
22	5/8 x 6	8.62	<u>1.90</u>	
			44.45	
Less 70-5%			<u>31.79</u>	12.66
88	4 x 3/4 Machine Bolts	9.70	8.54	
109	3/4 x 5 " "	10.70	11.66	
13	3/4 x 7	12.70	<u>1.65</u>	
			<u>21.85</u>	
Less 70-5%			<u>15.62</u>	6.23
4#	7/8" H.P. Threaded Nuts	8.80	.35	
Less 500			<u>.20</u>	
			.15	

Forward,

\$62.32

- NEGAUNEE MINE -

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

			Bro't For'd.		\$62.32
129	2 1/2 x 1/2	Carriage Bolts	3.00	3.87	
152	3 1/2 x 1/2	" "	3.44	5.23	
62	4 1/2 x 1/2	" "	3.88	2.41	
36	2 x 5/8	" "	5.20	1.87	
7	4 x 5/8	" "	6.22	<u>.44</u>	
				13.82	
		Less 70-5%		<u>9.88</u>	3.94
184#	3/8"	Bolt Ends threaded with nuts	.18	33.12	
19#	1/2"	" " " " " "	.14	2.66	
10#	5/8	" " " " " "	.12	1.20	
11#	3/4	" " " " " "	.10	1.10	
4#	7/8	" " " " " "	.10	.40	
6#	1"	" " " " " "	.10	.60	
410#	1 1/8"	" " " " " "	.10	41.00	
14#	1 1/4"	" " " " " "	.11	1.54	
159#	1 1/2"	" " " " " "	.11	<u>17.49</u>	
				99.11	
		Less 57-25%		<u>67.15</u>	31.96
314#	2 1/2 x 1/2	Com. Iron (6 Bars)	<u>2.20</u>	6.91	
176#	2 1/2 x 3/4	" " (3 " )	2.20	3.87	
285#	2 1/2 x 5/8	" " (4 " )	2.20	6.27	
325#	2 x 3/4	" " (5 " )	2.20	7.15	
724#	2 x 5/8	" " (14 " )	2.20	15.93	
80	1/2	3 x 1/2	" " (1 Bar )	2.20	1.77
95	3 x 3/4	" " (1 " )	2.20	2.09	
189#	4 x 1	" " (1 " )	2.20	4.16	
70#	4 x 3/4	" " (1 Pce.)	2.20	<u>1.54</u>	
				<u>49.69</u>	
		Totals forward,			<u>\$ 98.22</u>

- NEGAUNEE MINE -

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

		Bro't. For'd.	49.69	98.22
40#	1 R. Com. Iron	(1 Bar) 2.20	.88	
144#	1 1/8 R. Com. Iron	(3 Bars) 2.20	3.17	
88#	1 1/4 R. " "	(2 " ) 2.20	1.94	
944#	1 1/2 R. " "	(15 " ) 2.20	20.77	
83#	1 1/2 R. " "	(1 Bar ) 2.20	1.83	
989#	2 1/2 R. " "	(4 Bars) 2.40	23.74	
157#	2 1/2 R. " " (3 Short Pcs.)	.01	1.57	
49#	2 1/2 Sq. Hammer Steel(1 Pce.)	.5 1/2	2.70	
63#	3" R. Soft Steel (3 Bars)	.2 1/2	1.57	
97#	2 1/2 Sq. Tool Steel (1 Pce.)	.5 1/2	5.33	
24#	1 1/2 x 1/4 Angle Iron (1 Bar)	.2 1/2	.60	
126#	2 x 1/2 " " (1 " )	.2 1/2	3.15	
551#	2 1/2x1/2 " " (4 " )	.2 1/2	13.78	
32#	3 x 1/2 " " (1 " )		.32	
50#	4 x 1/2 " " (2 Bars)	.01	.50	
23#	3 1/2x1/2 " " (1 Bar)	.01	.23	
48#	4 x 1/2 " " (1 " )	.01	.48	
53#	3 x 1/2 " " (1 " )	.01	.53	
53#	1/2" Sq. Com. Iron (10 Bars)	2.40	1.27	
85 1/2#	7/8" Sq. " " (3 " )	2.30	1.97	
622#	3/4" Sq. " " (28 " )	2.30	14.31	
361 1/2#	1 1/8" Sq. " " (9 " )	2.25	8.13	
811#	1 1/4" Sq. " " (10 " )	2.25	18.25	
935#	2" Sq. " " (5 " )	2.35	21.97	
2268#	2 1/2" Sq. " " (7 " )	2.35	53.30	
79#	2 1/2" " " (1 Short Pc.)	.01	<u>.79</u>	

252.77

Forward,

\$ 350.99

- NEGAUNEE MINE -

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

		Bro't For'd	\$ 350.99
51#	1 1/8" R. Swede Iron (1 Bar)	3.45	1.76
170#	1/2" Half Round Com. Iron (1 Band)	.01	1.70
1	Pc. Steel Rail (10ft.) 25#		
<u>110</u>	Pcs. 25# Steel Rail 20ft. long -		
111	Pcs. or- 8 tons- 497#,-(G.Ton)	38.81	319.09
12	18" Car Wheels-1440#- 1 1/4" Axle	.03	43.20
7	17x19x 3/4 Steel Plates- 540#	.02	10.08
85#	2" Sq. Hammer- Steel	.5 1/2	4.67
72#	3" " Sledge- "	.5 1/2	3.96
43#	1 1/4" Oct. Drill Steel,	.06	2.58
42#	Short Hand Drill	.03	1.26
320#	Short Pcs. Iron	.01	3.20
35#	2 x 1/2 Iron	2.25	.79
24#	1 1/4" R. Iron	2.25	.54
24#	2 1/2 x 1/2 R. Iron	2.25	.54
15#	3 x 1/2 " "	2.25	.34
48#	7/8 " "	2.30	1.10
1152#	25# Splice Bars- 4 Box	.04	46.08
283	25# " " - 1 "	.04	11.32
396#	2 1/4 x 5/8 Splice Bolts	.03 3/4	14.85
940#	16" & 18" Splice Bars	.04	37.60
165#	Fish Plates,	.04	<u>6.60</u>
			<u>511.26</u>
Total Iron & Steel,			\$ 862.25

7

- NEGAUNEE MINE -

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

5	Gals. Gasoline,	.20		1.00
76	" Cap. Cylinder Oil	.23	17.48	
3	" Perfection "	.15	.45	
27	" Atlantic Red	.13	3.51	
85 1/2	" Black "	.9 1/2	8.12	
300#	Axle Grease	.1 7/8	5.62	
62	Gals. Perfection Oil (U.G.)	.15	9.30	
14	Boxes Candles 588#-	.7 1/4	<u>42.63</u>	

87.11

Total Oil, Grease & Candles,

\$ 88.11

8

- NEGAUNEE MINE -

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

2	1/4" Malleable Unions	.18	.36	
7	3/8" " "	.20	1.40	
2	1/2" " "	.22	.44	
20	3/4" " "	.27	5.40	
2	1" " "	.33	.66	
33	1 1/4" " "	.46	15.18	
25	1 1/2" " "	.58	14.50	
4	2 1/2" " "	1.55	<u>6.20</u>	
			44.14	
	Less 75%			11.04
16	1/4" Malleable Tees,	.07	1.12	
7	3/8" " "	.08	.56	
2	1/2" " "	.11	.22	
6	2" " "	.60	3.60	
12	2 1/2" " "	1.05	12.60	
1	2 1/2" " "	1.05	<u>1.05</u>	
	Less 65-10%		19.15	6.03
2	1/2" Cast Iron Trees	.09	.18	
19	3/4" " " "	.12	2.28	
1	1" " " "	.15	.15	
22	1 1/4" " " "	.23	5.06	
5	1 1/2" " " "	.29	1.45	
1	2" " " "	.41	.41	
6	2 1/2" " " "	.73	4.38	
11	2 1/2" " " "	.73	8.03	
1	5" " " "	3.00	3.00	
4	6" " " "	4.00	<u>16.00</u>	
			40.94	
	Less 65-10%			<u>12.89</u>

- NEGAUNEE MINE -

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

		Bro't. For'd.		29.96
14	3/8" Malleable Elbows	.06	.84	
3	3/4" " "	.15	.45	
10	2 1/2" " "	.80	<u>8.00</u>	
	Less 65-10%		9.29	2.93
13	1 1/4" Cast Elbows	.16	2.08	
13	2 1/2" " "	.50	6.50	
7	4" " "	1.20	8.40	
1	6" " "	2.75	2.75	
1	7" " "	4.70	<u>4.70</u>	
	Less 65-10%		24.43	7.70
3	1 1/4" 45° Cast Elbows	.19	.57	
1	4" " " "	1.45	1.45	
1	6" " " "	3.45	3.45	
1	8" " " "	8.50	<u>8.50</u>	
	Less 65-10%		13.97	4.40
1	1 1/2" 45° Malleable Elbows	.54	.54	
	Less 65-10%		<u>.37</u>	.17
2	1/4" Cast Plugs	.02	.04	
9	1/2" " "	.02	.18	
13	3/4" " "	.03	.39	
21	1 1/4" " "	.05	1.05	
7	1 1/2" " "	.07	.49	
5	2" " "	.10	.50	
14	2 1/2" " "	.18	2.52	
1	4" " "	.42	.42	
7	6" " "	1.20	8.40	
2	10" " "	3.75	<u>7.50</u>	
	Less 75-5%		21.49	<u>5.10</u>
	Total Forward,			\$50.26

- NEGAUNEE MINE -

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

		Bro't. For'd.		‡ 50.26
1	1/4" Nipple	.06	.06	
51	3/8" Nipples	.06	3.06	
3	3/4" "	.09	.27	
8	1" "	.13	1.04	
8	1 1/4" "	.17	1.36	
1	2" "	.27	.27	
37	2 1/2" "	.59	21.83	
9	3" "	.72	6.48	
2	4" "	1.20	2.40	
8	5" "	2.45	19.60	
14	6" "	2.90	40.60	
6	7" "	3.60	<u>21.60</u>	
			118.57	27.42
		Less 75-7 1/2%		

- MEMO -

8	3/8" Syphons for Steam Gague			
2	3/4" Nips - not threaded			
5	1" Nip " "			
14	1 1/4" Nips. " "			
10	2" Malleable Reducers	.45	4.50	
1	4" " "	1.85	<u>1.85</u>	
			6.35	<u>1.59</u>
		Less 75%		

Total Forward, ‡79.27



- NEGAUNEE MINE -

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

		Bro't For'd		⌘ 79.27
2	2 1/2" Cast Reducers	.70	1.40	
	Less 75 %			.35
1	1 1/4" Malleable Cross	.40	.40	
1	2" " "	1.00	1.00	
2	2 1/2" " "	.75	<u>1.50</u>	
	Less 75 %		2.90	.73
2	2" Cast Crosses	.75	1.50	
	Less 75 %			.38
1	3/4" Cast Reducing Tees	.14	.14	
5	1 1/4" " " "	.27	1.35	
2	1 1/2" " " "	.33	.66	
4	2" " " "	.47	1.88	
2	2 1/2" " " "	.83	1.66	
1	3" " " "	1.25	<u>1.25</u>	
	Less 65-10%		6.94	2.19
4	1 1/4" Malleable Caps	.16	.64	
3	1 1/2" " "	.24	<u>1.72</u>	
	Less 65-10%		1.36	.43
5	3/8" Couplings	.06	.30	
2	1/2" " "	.07	.14	
2	3/4" " "	.10	.20	
7	4" " "	1.00	7.00	
1	6" " "	2.40	2.40	
3	8" " "	4.25	12.75	
17	1 1/4" " "	.17	2.89	
1	1 1/2" " "	.21	.21	
4	8" " "	4.25	<u>17.00</u>	
	Less 75-5%		<u>42.89</u>	<u>10.19</u>

Forward,

⌘ 93.54

- NEGAUNEE MINE -

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

		Bro't For'd		\$ 93.54
6	1/2" R. & L. Mal.Thread Couplings	.08	.48	
6	3/4" " " " " " "	.12	.72	
6	1" " " " " " "	.16	.96	
10	1 1/4" " " " " " "	.25	<u>2.50</u>	
	Less 75-5%		4.66	1.11
7	7" Couplings: odd size-	3.25	22.75	
	Less 75-5%			5.41
1	1/4" Brass Bushing	.03		.03
1	3/4" Cast "	.05	.05	
	Less 70%		<u>.03</u>	.02
6	1 1/4" Cast Bushing	.07	.42	
5	2" " "	.14	.70	
2	3" " "	.30	.60	
5	4" " "	.50	2.50	
7	4" " "	.50	3.50	
6	5" " "	.93	5.58	
10	6" " "	1.25	12.50	
1	6" " "	1.25	1.25	
1	7" " "	1.87	1.87	
1	10" " "	3.75	3.75	
1	4 1/2 to 4" "	.75	<u>.75</u>	
	Less 70%		33.42	10.03
3	2" Malleable Bushings	.14	.42	
	Less 70 %			<u>.13</u>
	Forward,			\$ 110.27

13

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

		Bro't For'd	\$ 110.27
6	Pr. Flange Unions (1")-	.52	3.12
1	" 1 1/4" Flange Unions	.64	.64
16	" 1 1/2" " "	.78	12.48
9	" 2 1/2" " "	1.25	11.25
2	" 3" " "	1.50	3.00
5	" 6" " "	3.95	<u>19.75</u>
	Less 75%		50.24
			12.56
1	4" Gate Valve (Crane Cos.)		20.00
	Less 75%		5.00
- MEMO -			
1	3" Expansion Joint- 15" Frame(Brass lined)		
10	3" Brass Plugs - Odd		
2	1 1/2" Brass Stop Cocks		
1	1 1/2" " Check Valve- fair		
1	3/4" " " " "		
2	2" " " " "		
1	3/4" Fairbanks Angle Valve		
1	3/4" " " "		
1	3/4" Check Valve- Brass		
1	2" " " "		
1	3/8" Jenkins G. Valve	1.25	
	Less 60-5%		.48
1	2" Stop cock with brass plug, (Memo)-		
32#	Finished castings	.03	.96
2	2 1/2" Mal. Ret.Bands (Odd)	2.00	4.00
	Less 65-10%		1.26
2	1 1/4" Manifolds- 6 holes	2.80	5.60
	Less 65%		1.96
16	18"x4" Boiler Flues-new(288ft.)	.55	158.40
	Less 50%		<u>79.20</u>
	Forward,		\$211.63

- NEGAUNEE MINE -

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

DRILL PARTS.

	Bro't For'd		\$ 211.69
1	No.3 Rocker R. Drill (G.)2nd.H.	5.19	
3	Sullivan Feed Nuts- Odd	3.00	9.00
3	" Jam " "	.40	1.20
4	Sets Piston Rings R' D.	2.50	10.00
5	1 1/2" x 1/2" Set Screws	.02	.10
25	Chuck Bolts	.40	10.00
32#	1" Chuck Bolt Nuts- Threaded	.10	3.20
14#	7/8" " " " "	.10	1.40
9	U. E. 2 Fork ends of side legs with 5 Bolts,	.82 1/2	<u>7.42</u>
			<u>47.51</u>
	Forward,		\$ 259.20

- NEGAUNEE MINE -

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

		Bro't For'd	\$ 259.20
1	3/8" Lunken Oil Cup (F.) 2nd.H.	.25	.25
9	1 1/4" Glasses for above (2" long)	.15	1.35
3	16" x 3/4" W.G. Glasses	5.88	1.47
1	22" x 3/4" " " "	8.16	.68
1	12" x 3/4" " " "	4.32	.36
24	16" x 5/8" " " "	4.80	9.60
5	12" x 5/8" " " "	3.60	1.50
4	8" x 3/4" " " "		<u>0.00</u>
	Less 80-15-2 1/2%	13.61	2.26
1/2#	1/2" Asbestos Wicking	.16	.08
2#	Metal Polish	.16	<u>.32</u>
			.40
1	7" Expansion Joint- 12" travel-Old		2.00
1/4#	W.G.C. Gaskets	.65	.16
4	5" Manvill Pipe cov'g Elbows	.50	2.00
3	4" " " " "	.44	1.32
61#	Hemp Packing	.11	6.71
13 1/2#	1/2" Flax "	.22	2.97
29#	1/2" " "	.22	6.38
21#	7/8" " "	.22	4.62
69#	Mixed" "	.22	<u>15.18</u>
			39.34
33#	Wire Inser. Sheet Packings	.35	11.55
10#	Sheet R. Packing Cloth Inser.	.12	<u>1.20</u>
	Forward,		\$ 317.55

- NEGAUNEE MINE -

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

		Bro't For'd	\$ 317.55
2#	1/4" Empire Packing	.26	.52
18#	3/4" " "	.26	4.68
35#	1/2" " "	.26	9.10
29#	1" " "	.26	7.54
101#	1" " "	.26	26.26
15#	1/2" " "	.26	3.90
11 3/4#	1 1/8" " "	.26	3.05
16#	3/4" Daniel 3 Pc. Piston Pack'g.	.25	4.00
9#	1/2" " " " " "	.25	2.25
8#	5/8" " " " " "	.25	2.00
5#	1/2" " " " " "	.25	1.25
14#	7/8" " " " " "	.25	3.50
20#	1" " " " " "	.25	5.00
5#	1/4" Sq. R. Hard Phoenix Packing	.38	1.90
4#	3/8" Sq. " " " "	.38	1.52
2 1/2#	1/2" Sq. " " " "	.38	.95
34#	3/4" Sq. " " " "	.38	12.92
11#	1/2" Red Cross Piston Pack'g	.23	2.53
1/2#	1/4" Garlick Spiral "	.65	.32
6#	1/2" " " " "	.65	3.90
3 1/2#	5/8" " " " "	.65	2.27
12#	Sole Leather- Hemlock Tan.	.30	3.60
25#	Brass Compressor Springs	.22	<u>5.50</u>

108.46

Forward,

\$ 426.01

↗

- NEGAUNEE MINE -

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

	Bro't For'd		\$ 426.01
3	No.10 Brass Pump Springs	.22	
1	NO. 7 " " " 4#	.22	<u>.88</u>
			.88
1	Set Wiley & Russell Bolt Stack with taps & dies from 5/16" to 1 1/4" (price #16)		36.00
	Less 40%		21.60
1	5" Valve Gauge - 30# Press.	1.35	1.35
5#	Comp. Pump Valve	.50	2.50
1 1/2#	No.4 Soft R. Valves	.60	.90
5 1/2#	NO.9 " " "	.60	3.30
30 1/2#	5x1/2x3/4" Hole Prescott Valve(Med).	.60	18.30
9#	6 1/2 x 7/8- 1" hole " " "	.60	5.40
26#	6 1/2 x 7/8- 1" hole " " " (been used)	.25	<u>6.50</u>
			38.25
3	1" Jenkins Discs	.06	.18
5	1 1/4" " "	.09	.45
9	1 1/2" " "	.12	1.08
1	2" " "	.18	<u>.18</u>
	Less 30%		1.89
6 1/2#	Brass Journals for 1 1/2" bore- (Puffer Rod Brass) 2 1/2" long,	.25	1.62
5#	Brass Prescott Valve Stems	.25	1.25
16	Pump valves 6 1/2" Diam.- brass (leather lined- used- odd)		.00
7	Valve Pump Stems 1 1/2#	.25	1.75
6#	Brass Pump Stems 2nd.H.	.12 1/2	<u>.75</u>
			<u>5.37</u>
	Forward,		\$ 493.43

- NEGAUNEE MINE -

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

	Bro't For'd		\$ 493.43
8	Duplex Worth Pump Valves Brass leather seats - Odd (Belonging with pump)	Net-	2.48
4	Pr. 4" Flanges- 1902 -	2.10	8.40
5	" 2 1/2" "	1.25	6.25
1	" 6" " - Jar -	3.95	<u>3.95</u>
	Less 70-10-5%		18.60
			4.77
1	Pr. 3" Blank Flanges - 1902 -	.75	.75
1	" 6" " "	1.75	<u>1.75</u>
	Less 70-10-5%		2.50
			.64
1	4" Gate Valve- Chapman- 2nd. H.		20.00
	Less 65-15-50%		2.97
3	4" Couplings	1.00	3.00
1	5" "	1.65	1.65
1	7" " (Odd)	3.25	<u>3.25</u>
	Less 75-5%		7.90
			1.88
1	6" Elbow	2.75	2.75
3	8" Elbows	6.75	<u>20.25</u>
	Less 65-10%		23.00
			7.25
2	6" Nipples	1.85	3.70
4	7" " (Odd Size)	3.20	12.80
2	5" "	1.55	3.10
1	4" "	.85	.85
1	8" "	3.55	<u>3.55</u>
	Less 75-7 1/2%		24.00
			<u>5.55</u>

Forward,

\$ 518.97

19



- NEGAUNEE MINE -

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

	Bro't For'd		\$ 518.97
1	2 1/2" x 2" Reducer Malleable	.70 .70	
1	8" to 3" Reducing Tee- Odd	11.25 11.25	
1	10 x 3" " " "	22.50 <u>22.50</u>	
	Less 75%	34.45	8.61
2	2 1/2" Malleable Tees	1.05 2.10	
	Less 65-10%		.66
1	3" Plug	.25 .25	
	Less 75-5%		.06
1	2 1/2" Stop cock 2nd. H.	4.40 4.40	
	Less 75-10%		.99
6	Rolls Asbestos Sheeting 455#	.03 13.65	13.65
1	Bag Manville Asbestos covering	1.50 net	1.50
1	2" Jenkins Globe Valve- 2nd.H.	8.75 8.75	
1	5" " " " " "	40.00 40.00	
		<u>48.75</u>	18.52
54#	Cast Iron Boxes- 2 1/2" Axle		
	new-	.03 net	<u>1.62</u>
	Total Machinery Supplies,		\$ 564.58

- NEGAUNEE MINE -

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

3	Pcs. 3 x 10- 16 ft. Maple	120 ft.	21.00	2.52
1	Pc. 2 x 10- " "	26 2/3	20.00	.53
1	" 4 x 10- " "	53 1/3	21.00	
1	" 4 x 10- 10 " "	33 1/3	21.00	
2	Pcs. 4 x 6 - 16 " "	32	21.00	
2	" 6 x 6 - 16 " "	96	21.00	
1	Pc. 4 x 10- 10 " Oak	<u>33 1/3</u> 248 ft.	21.00	5.21
1	" 1 1/4 x 12- 16 ft. Norway	20 "	20.00	.40
55#	or 1 Roll Building Paper (fair)	.01	.55	
31#	Oakum	.10	3.10	
2	Barn Door Roolers	.10	.20	
8	Gals. Red Paint (in shanty)	.85	<u>6.80</u>	
				<u>10.65</u>

Total Building Material, \$ 19.31

EXPLOSIVES

11	Boxes 50% Powder- 550#	.12	66.00
1015ft.	Fuse	4.25	4.31
643	Caps	6.00	3.86
12	Boxes 50% Powder- 600#	.12	72.00
4800ft.	Fuse	4.25	20.40
700	Caps	6.00	4.20
90	Exploders	30.09	2.71
1	Blasting Battery (F.) Old-		.00
1	" " (N.M.G.) Old		.00
2	" " "		.00
1	" " "		<u>.00</u>

Total Explosives, \$ 173.48

- NEGAUNEE MINE -

MINE TIMBER

				<u>NO. FT.</u>	<u>PRICE.</u>	
78	Pcs.	6 x 8-7ft.	Timber	546		
15	"	6 x 8-8"	"	120		
4	"	6 x 8-14	"	56		
129	"	6 x 8-16	"	2064		
66	"	6 x 8-16	" (Hardwood)	<u>1056</u>		
				3842	.02	76.84
165	"	8 x 10-7ft.	"	1155		
139	"	8 x 10-8	"	1112		
375	"	8 x 10-16	"	6000		
455	"	8 x 10-16	" (Hardwood)	<u>7280</u>		
				15547	.03 <sup>1</sup> / <sub>4</sub>	505.28
86	"	10 x 12-8	"	688		
5	"	10 x 12-14	"	70		
737	"	10 x 12-16	"	11792		
601	"	10 x 12-16	" (Hardwood)	<u>9616</u>		
				22166	.05 <sup>1</sup> / <sub>4</sub>	1163.71
29	"	<del>12</del> x 14-8	"	232		
8	"	12 x 14-14	"	112		
388	"	12 x 14-16	"	6208		
67	"	12 x 14-16	"(Hardwood)	<u>1072</u>		
				7624	.06 <sup>3</sup> / <sub>4</sub>	514.62
3	"	14 x 16-8	"	24		
4	"	14x 16-14	"	56		
78	"	14x 16-16	"	1248		
1	"	14x16-16	" (Hardwood)	<u>16</u>		
				1344	.09 <sup>1</sup> / <sub>4</sub>	124.32
7	"	8" - 16ft.	Flat Timber	112	.10	<u>11.20</u>
			Forward,			\$2395.97

22

- NEGAUNEE MINE -

MINE TIMBER

		Bro't For'd	\$2395.97
53	Poles 7 ft long	371 ft.	
5215	" 10 " "	52150	
516	" 20 " "	10320	
179	" 30 " "	<u>5370</u>	
		68211 .01	682.11
56	Cords 7 ft. Lagging	4.50	<u>252.00</u>
			<u>934.11</u>
	Total Mine Timber,		\$ 3330.08

F U E L .

512	Tons 3/4" Coal,	3.80	1945.60
	Total Fuel,		1945.60

B A R N .

19#	Mule Shoes,	.04 1/2	.86
55#	Horse Shoes,	.04 1/2	2.47
2	Hayme Straps	.15	.30
500#	Hay- at Barn	12.00	<u>3.00</u>
	Total Barn,		\$ 6.63

- NEGAUNEE MINE -

S C R A P .

		<u>Gross</u>	
311#	2 1/2" R. Com. Iron- 2 bars	9.00	
250#	3" " " " " "	"	
241	1/2# Axles - 5 Pcs.	"	
135#	Skip Bale 3 "	"	
108#	6 x 3/4 1 "	"	
329#	2" Sq. 6 "	"	
50#	Scrap Band Iron on rack	"	
168#	Wrot scrap	"	
59#	Scrap Drill Steel ( <i>M</i> Shop)	"	
<u>176#</u>	Scrap Bolts " "	"	
1827	1/2# - or 816 Tons		7.43
120#	Scrap(Skip wheels) cast	12.00 Gr.	
340	4-12" Skip Wheels 85# each- front-	"	
<u>248#</u>	2-12" " " 124# rear	"	
708# -	or 316 Tons	"	3.79
470#	Cast Flanges Assorted	"	
330#	Cast & Malleable Scrap		
106#	1 1/2" Shafting (7 Pcs. rubber)		
66#	Eng. scrap wrot		
<u>280#</u>	Cast " Flanges		
1252#-	or 559 Tons,	<i>12<sup>00</sup></i>	6.71
17#	Scrap-Brass	.10	1.70
2560#-	or 1143 Tons Grate Bars (32 at 80#)	7.00	<u>8.00</u>
(Memo.- Does not include bars that can be used)			
Total Scrap,			\$ 27.54

