



67⁵⁰

SOLE MAKERS

Condor
BELT

Are you looking for a belt that will wear under the most adverse conditions? Ask for

CONDOR

Red Frictioned Surface Belt

A belt of great tenacity and extraordinary pliability which years of experiment and experience have enabled us to place in the foreground as the most efficient and economical dispenser of power obtainable.

AGENTS IN ALL PRINCIPAL CITIES

R 4-38 R 51 230
THE MANHATTAN
RUBBER MFG. CO.

Manufacturers of

BELTING
HOSE
PACKING

Paper Machine Rolls and Mechanical
Rubber Goods of all kinds

HOME OFFICE AND FACTORY
PASSAIC, N. J.

CHICAGO BRANCH

61 WEST LAKE STREET

2023. 11. 20

RUBBER BELTS

REVISED LIST

ADOPTED BY

The Mechanical Rubber Goods Association

To take effect May 1, 1910

Inch	2-ply	3-ply	4-ply	5-ply	6-ply	7-ply	8-ply
1	\$.09	\$.11	\$.13				
1¼	.11	.13	.16				
1½	.13	.15	.19	\$.23			
1¾	.15	.17	.22	.27			
2	.18	.20	.25	.31	\$.37		
2½	.22	.25	.31	.38	.46		
3	.26	.30	.37	.45	.55		
3½	.30	.35	.43	.53	.65		
4	.34	.40	.50	.61	.75	\$.86	
4½	.38	.45	.55	.69	.84	.96	
5	.42	.50	.61	.76	.91	1.06	
6	.50	.60	.72	.89	1.08	1.25	\$1.44
7	.59	.70	.84	1.04	1.25	1.46	1.68
8	.67	.80	.96	1.19	1.44	1.68	1.92
9	.76	.90	1.07	1.34	1.60	1.88	2.16
10	.84	1.00	1.20	1.49	1.77	2.09	2.40
11	.92	1.10	1.32	1.63	1.96	2.29	2.62
12	1.00	1.20	1.43	1.78	2.15	2.50	2.85
13	1.10	1.30	1.56	1.95	2.34	2.73	3.12
14	1.19	1.40	1.69	2.11	2.54	2.96	3.39
15	1.28	1.52	1.83	2.28	2.74	3.19	3.65
16	1.37	1.65	1.96	2.44	2.94	3.42	3.92
18	1.55	1.87	2.22	2.77	3.33	3.88	4.44
20	1.74	2.09	2.49	3.10	3.73	4.35	4.97
22	1.94	2.33	2.77	3.47	4.16	4.85	5.54
24	2.16	2.60	3.08	3.85	4.62	5.39	6.16

RUBBER WATER HOSE

PRICE LIST.

Internal Diam.	Conduct 2-Ply PER FT.	Hydrant 3-Ply PER FT.	Engine 4-Ply PER FT.	Engine 5-Ply PER FT.	Engine 6-Ply. PER FT.
½ in.	\$0.20	\$0.25	\$0.30	\$0.37	\$0.45
¾ "	.25	.30	.37	.46	.55
1 "	.33	.40	.50	.62	.75
1¼ "	.42	.50	.62	.77	.93
1½ "	.50	.60	.75	.93	1.12
1¾ "	.58	.70	.87	1.08	1.30
2 "	.66	.80	1.00	1.25	1.50
2¼ "	.75	.90	1.12	1.40	1.68
2½ "	.83	1.00	1.25	1.56	1.87
2¾ "	.92	1.10	1.37	1.71	2.05
3 "	.99	1.20	1.50	1.87	2.25
4 "	1.32	1.60	2.00	2.50	3.00
5 "	1.65	2.00	2.50	3.13	3.75
6 "	1.98	2.40	3.00	3.75	4.50
7 "	2.31	2.80	3.50	4.38	5.25
8 "	2.64	3.20	4.00	5.00	6.00
9 "	2.97	3.60	4.50	5.63	6.75
10 "	3.33	4.00	5.00	6.25	7.50

STEAM HOSE

REVISED LIST

Also List for Brewers, Air Brake, Oil
Petroleum, Fire Extinguisher, Etc.

ADOPTED BY

The Mechanical Rubber Goods Association

In effect May 1, 1910

Inter'l Diam.	3-ply	4-ply	5-ply	6-ply	7-ply	8-ply
½ in.	\$.47	\$.56	\$.70	\$.84	\$.98	\$1.12
¾ "	.57	.71	.87	1.05	1.23	1.41
1 "	.70	.87	1.07	1.28	1.50	1.70
1¼ "	.85	1.04	1.30	1.56	1.82	2.08
1½ "	1.02	1.25	1.56	1.87	2.18	2.50
1¾ "	1.18	1.45	1.81	2.17	2.53	2.90
2 "	1.34	1.66	2.07	2.49	2.90	3.32
2¼ "	1.50	1.87	2.33	2.80	3.27	3.74
2½ "	1.66	2.08	2.60	3.12	3.64	4.16

BRAIDED HOSE

STEAM

WATER

AIR

• • •

SUCTION HOSE

SMOOTH BORE

WIRE LINED

HARD RUBBER

Underwriters Fire Hose

ECONOMY

brand **Labeled** Cotton Rubber Lined, made in accordance with the specifications of the National Board of Fire Underwriters.

DEPENDABLE

brand Cotton Rubber Lined, made in accordance with the specifications of the Associated Factory Mutual Fire Insurance Companies.

We also manufacture a large variety of regular Mill and Fire Department Cotton Rubber Lined Hose.

A little book
With inviting pages
For the things
That by tomorrow
Will be playing hide
And seek with memory.
A home for all the
Odds and ends and
strays
Of figures, facts and
Fancies that a little
later we shall need again.

DOMESTIC POSTAGE

Including Canada, Mexico, Cuba, Republic of Panama, Canal Zone, Hawaii, Porto Rico, Shanghai, Philippines, Guam and Tutuila.

First class (letters, etc.)	per oz.	2c
Second class (newspapers, periodicals)	4 "	1c
Third class (books, circulars)	2 "	1c

Merchandise— See Parcel Post.

Registration fee (extra postage)	. . .	10c
Special delivery (" ")	. . .	10c
Postal cards (reply cards 2c.)	. . .	1c
Local letters (where no free delivery)	per oz.	1c

FIRST CLASS.— Letters and all other written matter sealed or unsealed, and all other matter sealed or fastened in any manner not easily examined, 2 cents for each ounce or fraction thereof.

SECOND CLASS. (unsealed.)— All regular newspapers, magazines, etc., one cent for each four ounces— or fraction fully prepaid.

THIRD CLASS.— Printed matter, books in parcels weighing eight ounces or less. (Effective March 16, 1914), circulars, photographs in unsealed wrappers only, 1 cent for each 2 ounces or fraction, fully prepaid. Limit of weight 4 lbs.

Since the Parcel Post service was first inaugurated, its scope has been very largely increased, not only by the extension of the limit of weight but by the addition of new features.

Our Parcel Post system is undoubtedly only in its infancy and many changes in regulations and rates may still be expected. The latest information may always be obtained at local post offices and substations.

MONEY ORDER RATES

For orders not exceeding \$2.50	. . . . .	3c.
Exceeding \$2.50 and not exceeding \$ 5.00,		5c.
" 5.00	" "	10.00, 8c.
" 10.00	" "	20.00, 10c.
" 20.00	" "	30.00, 12c.
" 30.00	" "	40.00, 15c.
" 40.00	" "	50.00, 18c.
" 50.00	" "	60.00, 20c.
" 60.00	" "	75.00, 25c.
" 75.00	" "	100.00, 30c.

FREE DELIVERY

The free delivery of mail matter is required by law in every city of 50,000 or more population, and may be established at every place of not less than 5,000 inhabitants.

FOREIGN POSTAGE

Letters, per ounce, 5 cents; for each additional ounce or fraction, 3 cents; second and third class matter, per 2 ounces, 1 cent.

Single Postal Cards or Souvenir Cards, each two cents.

Printed matter of all kinds, for each two ounces or fraction, one cent.

Samples of Merchandise, for the first four ounces or fraction thereof, two cents. For each additional two ounces or fraction, one cent.

Registration fee, ten cents.

GREAT BRITAIN AND IRELAND

Letters from the United States to the United Kingdom, two cents per ounce or fraction thereof.

THE NEW FEDERAL RESERVE ACT

Effective in Continental U. S. except Alaska

Object: To establish Federal Reserve Banks, to furnish an elastic currency, afford means of re-discounting commercial paper and to establish a more effective supervision of banking.

Location of Regional Reserve Banks. District No. 1, Boston. No. 2, New York. No. 3, Philadelphia. No. 4, Cleveland. No. 5, Richmond. No. 6, Atlanta. No. 7, Chicago. No. 8, St. Louis. No. 9, Minneapolis. No. 10, Kansas City. No. 11, Dallas. No. 12, San Francisco.

Member Banks: All National Banks: compulsory, State Banks and Trust Companies: optional. Member banks to subscribe to capital stock of reserve banks to the amount of six per cent of their own capital and surplus: capital of each reserve bank to be not less than \$4,000,000.

Reserve Bank Organization Committee: To consist of the Secretary of the Treasury, Secretary of Agriculture and Comptroller of the Currency.

Federal Reserve Board: To consist of Secretary of the Treasury, Comptroller of the Currency and five members appointed by the President at a salary of \$12,000.

Powers of Reserve Banks: They may receive from member banks and from the U. S. Govt. deposits of cash, of Federal Reserve notes or checks upon member banks and may upon endorsement by member bank, discount agricultural, industrial or commercial notes, drafts or bills of exchange issued or drawn for agricultural, industrial or commercial purposes and maturing within ninety days or maturing within six months if issued for agricultural purposes or based on live stock.

They may issue Federal Reserve notes at the discretion of the Federal Reserve Board. These notes to be obligations of the U. S. Government.

Federal Reserve Banks shall maintain a reserve of 35% in gold or lawful money against its deposits, also maintain reserves in gold of 40% against its Federal Reserve notes in actual circulation.

FEDERAL INCOME TAX

Interesting to every person whose annual income is \$3000. or more.

Amount of Normal Tax

One per cent on amount of income in excess of \$3,000. per annum in case of an individual or in excess of a total income of \$4,000. for husband and wife when living together.

Additional Tax

One per cent on amount of income over \$20,000. and not over \$50,000.

Two per cent on amount over \$50,000. and not over \$75,000.

Three per cent on amount over \$75,000. and not over \$100,000.

Four per cent on amount over \$100,000. and not over \$250,000.

Five per cent on amount over \$250,000. and not over \$500,000.

Net Income

Includes salaries, wages, income from profession or business, interest, rentals, *dividends, profits or income derived from any source whatever and the income, but not the value, of property acquired by gift, bequest, devise or descent.

Returns

Every person subject to tax must on or before March 1, in each year file a return with the Collector of Internal Revenue in his district in the form prescribed by the collector.

Penalty for failure to file return \$20. to \$1000.

Penalty for fraudulent return, fine of \$2,000. or imprisonment for one year or both.

Returns must be made under oath.

Taxes to be paid on or before June 30.

** In case of persons subject to normal tax only, income from dividends or net earnings of corporations or companies taxable upon their net incomes is not taxed.*

WEIGHTS AND MEASURES

Troy Weight

24 grains - - - - - 1 pwt.
20 pwt. - - 1 ounce 12 ounces - - 1 pound

Used for weighing gold, silver and jewels.

Apothecaries' Weight

20 grains - 1 scruple 8 drams - - 1 ounce
3 scruples - 1 dram 12 ounces - - 1 pound

Ounce and pound are the same as in Troy Weight.

Avoirdupois Weight

27½ grains - 1 dram 4 quarters - 1 cwt.
16 drams - - 1 ounce 2,000 lbs. - 1 short ton
16 ounces - 1 pound 2,240 lbs. - 1 long ton
25 pounds - 1 quarter

Dry Measure

2 pints - - 1 quart 4 pecks - - 1 bushel
8 quarts - - 1 peck 36 bushels - 1 chaldron

Liquid Measure

4 gills - - 1 pint 31½ gallons - 1 barrel
2 pints - - 1 quart 2 barrels, 1 hogshead
4 quarts - - 1 gallon

Long Measure

12 inches - 1 foot 40 rods - - - 1 furlong
3 feet - - 1 yard 8 furlongs - 1 sta. mile
5½ yards - 1 rod 3 miles - - - 1 league

Cloth Measure

2½ inches - 1 nail 4 quarters - 1 yard
4 nails - - 1 quarter

Square Measure

144 sq. inches, 1 sq. ft. 40 sq. rods - 1 rood
9 sq. ft. - 1 sq. yard 4 roods - 1 acre
30¼ sq. yards, 1 sq. rod 640 acres - 1 sq. mile

Approximate Values of Foreign Coins in United States Money

COUNTRY	STAND- ARD	MONETARY UNIT	Val. in. U.S. Gold Dols.
Argentine Rep.	Gold & sil.	Peso	\$0.96.5
Austria-Hung.	Gold	Crown . . . .	.20.3
Belgium	Gold & sil.	Franc . . . .	.19.3
Bolivia	Silver	Boliviano . . . .	.38.9
Brazil	Gold	Milreis . . . .	.54.6
Canada	Gold	Dollar	1.00
Cent. Am. States	Silver	Peso . . . .	.39.1
Chili	Gold	Peso . . . .	.36.5
China	Silver	Tael { Shanghai	.58.5
		Haikwan	.65.2
		Canton	.63.9
Colombia	Gold	Dollar	1.00
Costa Rica	Gold	Colon . . . .	.46.5
Cuba	Gold	Peso . . . .	.91
Denmark	Gold	Crown . . . .	.26.8
Ecquador	Gold	Sucre . . . .	.48.7
Egypt	Gold	Pound [100	
		piastres]	4.94.3
France	Gold & sil.	Franc . . . .	.19.3
German Emp. . . .	Gold	Mark . . . .	.23.8
Great Britain	Gold	Pound sterling	4.866½
Greece	Gold & sil.	Drachma . . . .	.19.3
Haiti	Gold & sil.	Gourde . . . .	.96.5
India	Gold	Pound sterling	4.866½
Italy	Gold & sil.	Lira . . . .	.19.3
Japan	Gold	Yen, gold . . . .	.49.8
Mexico	Gold	Peso . . . .	.49.8
Netherlands	Gold & sil.	Florin . . . .	.40.2
Norway	Gold	Crown . . . .	.26.8
Peru	Gold	Libra	4.866½
Portugal	Gold	Milreis	1.08
Russia	Gold	Rouble, gold . . . .	.51.5
Spain	Gold & sil.	Peseta . . . .	.19.3
Sweden	Gold	Crown . . . .	.26.8
Switzerland	Gold & sil.	Franc . . . .	.19.3
Turkey	Gold	Piastre . . . .	.04.4
Venezuela	Gold & sil.	Bolivar . . . .	.19.3

Rate of Income on Stocks

Purchased at following prices (par value being \$100), and bearing interest at the following rates:

Paid	3%	4%	5%	6%	7%	8%	9%
\$50	6.00	8.00	10.00	12.00	14.00	16.00	18.00
55	5.45	7.27	9.09	10.90	12.72	14.55	16.30
60	5.00	6.67	8.33	10.00	11.66	13.33	15.00
65	4.62	6.15	7.69	9.23	10.76	12.30	13.85
70	4.28	5.71	7.14	8.57	10.00	11.42	12.85
75	4.00	5.33	6.66	8.00	9.33	10.66	12.00
80	3.75	5.00	6.25	7.50	8.75	10.00	11.25
85	3.53	4.70	5.88	7.05	8.23	9.41	10.58
90	3.33	4.44	5.55	6.66	7.77	8.88	10.00
91	3.30	4.40	5.49	6.59	7.69	8.79	9.89
92	3.26	4.34	5.43	6.52	7.60	8.70	9.78
93	3.23	4.30	5.38	6.45	7.53	8.60	9.68
94	3.19	4.26	5.32	6.38	7.45	8.51	9.57
95	3.15	4.21	5.26	6.31	7.36	8.42	9.47
96	3.13	4.17	5.21	6.25	7.29	8.33	9.38
97	3.09	4.12	5.15	6.18	7.22	8.25	9.28
98	3.06	4.08	5.10	6.12	7.14	8.16	9.18
99	3.03	4.04	5.05	6.06	7.07	8.08	9.09
101	2.97	3.96	4.95	5.94	6.93	7.92	8.91
102	2.94	3.92	4.90	5.88	6.86	7.84	8.82
103	2.91	3.88	4.85	5.83	6.80	7.77	8.74
104	2.88	3.85	4.81	5.77	6.73	7.69	8.65
105	2.86	3.80	4.76	5.71	6.66	7.61	8.57
106	2.83	3.77	4.72	5.66	6.60	7.55	8.49
107	2.80	3.74	4.67	5.61	6.54	7.48	8.41
108	2.78	3.70	4.63	5.56	6.48	7.41	8.33
109	2.75	3.67	4.59	5.50	6.42	7.34	8.26
110	2.72	3.63	4.54	5.45	6.36	7.27	8.18
115	2.60	3.48	4.34	5.21	6.08	6.95	7.83
120	2.50	3.33	4.16	5.00	5.83	6.66	7.50
130	2.30	3.07	3.84	4.61	5.38	6.15	6.92
140	2.14	2.86	3.57	4.28	5.00	5.71	6.43

Six Per Cent Interest Table

TIME	\$1	\$2	\$3	\$4	\$5	\$6	\$10	\$20	\$50	\$100	\$1000
1	0	0	0	0	0	0	0	0	1	2	17
2	0	0	0	0	0	0	0	1	2	3	38
3	0	0	0	0	0	0	1	1	3	5	50
4	0	0	0	0	0	0	1	1	3	7	67
5	0	0	0	0	0	1	1	2	4	8	83
6	0	0	0	0	1	1	1	2	5	10	1.00
7	0	0	0	0	1	1	1	2	6	12	1.17
8	0	0	0	1	1	1	1	3	7	13	1.33
9	0	0	0	1	1	1	2	3	8	15	1.50
10	0	0	1	1	1	1	2	3	8	17	1.67
15	0	1	1	1	1	2	3	5	13	25	2.50
20	0	1	1	1	2	2	3	7	17	33	3.33
25	0	1	1	2	2	2	4	8	21	42	4.17
30	1	1	2	2	3	3	5	10	25	50	5.00
33	1	1	2	2	3	3	6	11	28	55	5.50
63	1	2	3	4	5	6	11	21	53	1.05	10.50
93	2	3	5	6	8	9	16	31	78	1.55	15.50
1	1	1	2	2	3	3	5	10	25	.50	5.00
2	1	2	3	4	5	6	10	20	50	1.00	10.00
3	2	3	5	6	8	9	15	30	75	1.50	15.00
4	2	4	6	8	10	12	20	40	1.00	2.00	20.00
5	3	5	8	10	13	15	25	50	1.25	2.50	25.00
6	3	6	9	12	15	18	30	60	1.50	3.00	30.00
7	4	7	11	14	18	21	35	70	1.75	3.50	35.00
8	4	8	12	16	20	24	40	80	2.00	4.00	40.00
9	5	9	14	18	23	27	45	90	2.25	4.50	45.00
10	5	10	15	20	25	30	50	1.00	2.50	5.00	50.00
11	6	11	17	22	28	33	55	1.10	2.75	5.50	55.00
12	6	12	18	24	30	36	60	1.20	3.00	6.00	60.00

DAYS

MONTHS

Rules for Computing Interest

At 2% multiply the principal by the number of days to run, and divide by.....	180
At 2½% as above	144
At 3% " "	120
At 3½% " "	102.86
At 4% " "	90
At 5% " "	72
At 6% " "	60
At 7% as above	51.43
At 8% " "	45
At 9% " "	40
At 10% " "	36
At 12% " "	30
At 15% " "	24

POPULATION OF THE LARGER CITIES

of the U. S., according to the Census

	1910	Est. 1915
New York, N. Y.....	4,766,883	5,625,000
Chicago, Ill.....	2,185,283	2,437,526
Philadelphia, Pa.....	1,549,008	1,700,000
St. Louis, Mo.....	687,029	750,000
Boston, Mass.....	670,585	746,917
Cleveland, Ohio.....	560,663	720,000
Baltimore, Md.....	558,485	583,000
Pittsburg, Pa.....	533,905	600,000
Detroit, Mich.....	465,766	600,000
Buffalo, N. Y.....	423,715	460,000
San Francisco, Cal.....	416,912	500,000
Milwaukee, Wis.....	373,857	418,900
Cincinnati, Ohio.....	364,463	400,000
Newark, N. J.....	347,469	405,000
New Orleans, La.....	339,075	400,000
Washington, D. C.....	331,069	355,000
Los Angeles, Cal.....	319,198	550,000
Minneapolis, Minn.....	301,408	355,000
Jersey City, N. J.....	267,779	300,885
Kansas City, Mo.....	248,381	300,000
Seattle, Wash.....	237,194	310,000
Indianapolis, Ind.....	233,650	270,000
Providence, R. I.....	224,326	247,682
Louisville, Ky.....	223,928	260,000
Rochester, N. Y.....	218,149	245,000
St. Paul, Minn.....	214,744	275,000
Denver, Col.....	213,381	235,000
Portland, Ore.....	207,214	277,212
Columbus, Ohio.....	181,548	207,000
Toledo, Ohio.....	168,497	187,000
Atlanta, Ga.....	154,839	200,000
Oakland, Cal.....	150,174	225,000
Worcester, Mass.....	145,986	170,000
Syracuse, N. Y.....	137,249	155,000
New Haven, Conn.....	133,605	145,000
Birmingham, Ala.....	132,685	180,000
Memphis, Tenn.....	131,105	165,000
Scranton, Pa.....	129,867	160,000
Richmond, Va.....	127,628	155,000
Paterson, N. J.....	125,600	134,500

POPULATION—Cont.

	1910	Est. 1915
Omaha, Neb.....	124,096	155,000
Fall River, Mass.....	119,295	122,609
Dayton, Ohio.....	116,577	130,000
Grand Rapids, Mich.....	112,571	125,000
Nashville, Tenn.....	110,364	135,000
Lowell, Mass.....	106,294	106,294
Cambridge, Mass.....	104,839	112,000
Spokane, Wash.....	104,402	120,000
Bridgeport, Conn.....	102,054	115,000
Albany, N. Y.....	100,253	110,000
Hartford, Conn.....	98,915	125,000
Trenton, N. J.....	96,815	104,000
New Bedford, Mass.....	96,652	107,402
San Antonio, Texas.....	96,614	120,000
Reading, Pa.....	96,071	103,000
Camden, N. J.....	94,538	105,000
Salt Lake City, Utah.....	92,777	106,000
Dallas, Texas.....	92,104	125,000
Lynn, Mass.....	89,336	96,000
Springfield, Mass.....	88,926	105,000
Wilmington, Del.....	87,411	100,000
Des Moines, Iowa.....	86,368	100,000
Lawrence, Mass.....	85,892	90,000
Tacoma, Wash.....	82,972	104,000
Kansas City, Kansas.....	82,331	100,000
Yonkers, N. Y.....	79,803	93,000
Youngstown, O.....	79,066	100,000
Houston, Texas.....	78,800	132,000
Duluth, Minn.....	78,466	92,000
St. Joseph, Mo.....	77,403	85,000
Somerville, Mass.....	77,236	83,000
Troy, N. Y.....	76,813	80,000
Utica, N. Y.....	74,419	86,000
Elizabeth, N. J.....	73,409	81,389
Fort Worth, Texas.....	73,312	92,250
Waterbury, Conn.....	73,141	80,000
Schenectady, N. Y.....	72,826	95,000
Hoboken, N. J.....	70,324	75,000
Manchester, N. H.....	70,053	80,000
Evansville, Ind.....	69,647	92,500
Akron, Ohio.....	69,067	100,000
Norfolk, Va.....	67,452	80,000
Wilkes-Barre, Pa.....	67,105	72,000

POPULATION — Cont.	1910	Est. 1915
Peoria, Ill.....	66,950	74,000
Erie, Pa.....	66,525	80,000
Savannah, Ga.....	65,064	85,000
Oklahoma City, Oklahoma...	64,205	75,000
Harrisburg, Pa.....	64,186	75,000
Fort Wayne, Ind.....	63,933	75,000
Charleston, S. C.....	58,833	72,000
Portland, Maine.....	58,571	63,000
East St. Louis, Ill.....	58,547	80,000
Terre Haute, Ind.....	58,157	70,000
Holyoke, Mass.....	57,730	65,000
Jacksonville, Fla.....	57,699	65,000
Brockton, Mass.....	56,878	63,000
Bayonne, N. J.....	55,545	65,000
Johnstown, Pa.....	55,482	62,000
Passaic, N. J.....	54,773	67,500
South Bend, Ind.....	53,684	66,000
Covington, Ky.....	53,270	58,000
Wichita, Kansas.....	52,450	57,000
Altoona, Pa.....	52,127	60,000
Allentown, Pa.....	51,913	63,000
Springfield, Ill.....	51,678	57,520
Pawtucket, R. I.....	51,622	60,000
Mobile, Ala.....	51,521	58,000
Saginaw, Mich.....	50,510	60,000
Canton, Ohio.....	50,217	68,000
Binghamton, N. Y.....	48,443	62,500
Sioux City, Iowa.....	47,828	62,000
Lancaster, Pa.....	47,227	56,000
Springfield, O.....	46,921	60,000
Atlantic City, N. J.....	46,150	54,000
Little Rock, Ark.....	45,941	60,403
Rockford, Ill.....	45,401	55,000
Bay City, Mich.....	45,166	51,000
York, Pa.....	44,750	58,090
Sacramento, Cal.....	44,696	75,000
Chattanooga, Tenn.....	44,604	100,000
Malden, Mass.....	44,404	47,400
Pueblo, Col.....	44,395	50,000
Haverhill, Mass.....	44,115	54,000
Lincoln, Nebraska.....	43,973	50,000
New Britain, Conn.....	43,916	50,000
Salem, Mass.....	43,697	50,000

POPULATION — Cont.	1910	Est. 1915
Topeka, Kansas.....	43,684	50,000
Davenport, Iowa.....	43,028	55,000
McKeesport, Pa.....	42,694	46,000
Wheeling, West Va.....	41,641	42,550
Macon, Ga.....	40,665	50,000
Berkeley, Cal.....	40,434	50,000
Superior, Wis.....	40,384	50,000
Newton, Mass.....	39,806	41,000
San Diego, Cal.....	39,578	90,000
Kalamazoo, Mich.....	39,437	48,204
El Paso, Texas.....	39,279	45,500
Butte, Mont.....	39,165	43,560
Flint, Mich.....	38,550	45,000
Chester, Pa.....	38,537	42,000
Tampa, Fla.....	38,524	50,000
Dubuque, Iowa.....	38,494	45,000
Montgomery, Ala.....	38,136	50,000
Woonsocket, R. I.....	38,125	42,000
Racine, Wis.....	38,002	42,250
Augusta, Ga.....	37,826	60,000
Fitchburg, Mass.....	37,826	42,000
Elmira, N. Y.....	37,176	42,000
Galveston, Texas.....	36,981	50,000
Quincy, Ill.....	36,587	40,000
Knoxville, Tenn.....	36,346	44,000
Newcastle, Pa.....	36,280	42,000
West Hoboken, N. J.....	35,403	40,000
Hamilton, O.....	35,279	38,500
Springfield, Mo.....	35,201	40,000
Lexington, Ky.....	35,099	40,000
Roanoke, Va.....	34,874	45,000
Joliet, Ill.....	34,670	46,000
Auburn, N. Y.....	34,668	38,250
East Orange, N. J.....	34,371	40,000
Taunton, Mass.....	34,259	36,000
Charlotte, N. C.....	34,014	45,000
Everett, Mass.....	33,484	42,000
Portsmouth, Va.....	33,190	38,000
Oshkosh, Wis.....	33,062	39,410
Cedar Rapids, Iowa.....	32,811	40,000
Quincy, Mass.....	32,642	40,000
Chelsea, Mass.....	32,452	37,000
Pittsfield, Mass.....	32,121	39,000

1916 || Yearly Calendar || 1916

Mo.	Sun.	Mon.	Tue.	Wed.	Thur.	Fri.	Sat.	Mo.	Sun.	Mon.	Tue.	Wed.	Thur.	Fri.	Sat.
JAN.	1	JUL.	1
2	3	4	5	6	7	8	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	9	10	11	12	13	14	15		
16	17	18	19	20	21	22	16	17	18	19	20	21	22		
23	24	25	26	27	28	29	23	24	25	26	27	28	29		
30	31	...	...	...	...	...	30	31	...	...	...	...	...
FEB.	1	2	3	4	5	AUG.	1	2	3	4	5
6	7	8	9	10	11	12	6	7	8	9	10	11	12		
13	14	15	16	17	18	19	13	14	15	16	17	18	19		
20	21	22	23	24	25	26	20	21	22	23	24	25	26		
27	28	29	...	...	...	...	27	28	29	30	31	...	...
MAR.	1	2	3	4	SEP.	1	2
5	6	7	8	9	10	11	3	4	5	6	7	8	9		
12	13	14	15	16	17	18	10	11	12	13	14	15	16		
19	20	21	22	23	24	25	17	18	19	20	21	22	23		
26	27	28	29	30	31	...	24	25	26	27	28	29	30		
APR.	1	OCT.	1	2	3	4	5	6	7
2	3	4	5	6	7	8	8	9	10	11	12	13	14		
9	10	11	12	13	14	15	15	16	17	18	19	20	21		
16	17	18	19	20	21	22	22	23	24	25	26	27	28		
23	24	25	26	27	28	29	29	30	31	...	...	...	...
30	...	...	...	...	...	...	NOV.	...	...	...	1	2	3
MAY	...	1	2	3	4	5	6	4	5	6	7
7	8	9	10	11	12	13	12	13	14	15	16	17	18		
14	15	16	17	18	19	20	19	20	21	22	23	24	25		
21	22	23	24	25	26	27	26	27	28	29	30	...	...
28	29	30	31	DEC.	1	2	
JUN.	1	2	3	4	5
4	5	6	7	8	9	10	3	4	5	6	7	8	9		
11	12	13	14	15	16	17	10	11	12	13	14	15	16		
18	19	20	21	22	23	24	17	18	19	20	21	22	23		
25	26	27	28	29	30	...	24	25	26	27	28	29	30		
...	...	...	...	...	...	...	31	...	...	...	...	...	...

January 1917
1st Period 5732 R.
154,350 C.

#2 Sum 26 feet

18036 314534 17 1/2

16458 -238000 Dec 1917

Census 10th March

Electors B.P. Ashton

New opening. .065

Stop .248

Lab - 33

Crew - 237

Dirt - 03

Hour 20

Main Pump 02

11334

November 1916

Mining 91.50 to Rock Strm

Pump .02 1.12

Hour 19

1.12

Crusher 06

Flows 02 Hour 51 Mine

Mill 43

Misc 09

60

1.73

Cut } 28

Bow

Day

09

1.87

Crust .059

Bones 077

Int 055

1.191

1

25% sol

Alum Chloride in
distilled water

1915

Wght 2,824,145

Rock 114033

1916

Wght. 4,242,142

Rock 188,890

302,929 7,026,281

2001

2001 2001

2001 2001

2001 2001

2001 2001

2001 2001

2001 2001

2001 2001

2001 2001

Stanalee

40	.25
151	4
160	3.5
40	15.00
560	14.00

400	.25
10000	1x
86	

July 17-15	14.00	✓
April 20 15	21.00	3
July 16	21.00	3
Nov 12	21.00	3

Jan 20-16	14.00	2
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March 15-15	21.00	3
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July 6 th	21.00	3
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Sept 8 th	14.00	2
----------------------	-------	---

Nov 8 th	14.00	2
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Jan	<u>21.00</u>	3
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26

24 11

2-8-46

26-26

Jaws Stamped

	Rock	Copper
1915	114033	7,824,145
1916	188890	4,267,449
Total	302929	7,031,594

1917 - 368697

498,956

January 1917

		Ton min	
New Openings	07	2.678	306 per foot
Stoping	26	23.4	
Shaft Repair	14		
Laborer	37		
Tramming	299	14.6	
Timbering	104		
Mining	11		
Pump	017		
Hoist	216		
Transport	02		
Crt & Conv	057		
Milling	437		
Misc	101		
Const	05		
Tax	047		
	206		

8.8% Discard

Rock 20976 Sink #2 108'
 Min 722250
 Cw 368697 17 1/2 # per ton
 11.7¢ per pound

212 tons Coal #3

936 · Boiler Plant

Steps on 2nd Lode + Parting Shale

2 1/2 E #3	3 W #4
2 E #3	2 1/2 W #4
	4 W #4

CW-1917

620880

February 1917

New Open	.11
Stoping	.28
Shft Repr	.001
Laborer	.436
Tram	.360
Timb	.129
Mining	1.313
Pump	.088
Hoist	.231
Transp	.023
C+C	.055
Mill	.625
Misc	.104
Const	.036
Tax	.063

2.49

Rock 15748
 Min 545850
 C 252

Sink #2 98'
 16# per ton
 15.4 c^t per #

Car

1 8th 8 - 16th 7 23rd

2 14th 5 - 19th 9 28

3 13th 8 - 21st 8 1st

1

2

3 1st

A

March

2800 Ton of Coal
on hand

135

176

195

39

645

April 19th men shipped 465,600
 52,000 loaded on men in cars
 75,000 in bands
 11,316 Parts

1572.58
 11,316
 1010
 869
 446
 126
 340

Cw 620880
 Mret 268274
 889.154

- March -

	T.P.S.	To F.P.S.	Cost	Wage
New Oper	14	2,304	3.42	5.00
Stopping	34			4.12
Shft Repr				
Laborer	52			
Tram	34	12.8		3.52
Timb.	12			
Mining	145			
Pump	02			
Hoist	23			
Transp	03			
Prt Pons	05			
Millg	60			
Misc	12			
Const				
Tax.	05			
	258			
Rocks	17056			Sink #2 101'
Min	515100			
Cu	768274			15.7# per ton

Sink W4 51'
 F.P.S. 1.058
 P.P.F. 9.84

Rock 18402
Min 825800

Sink #2 99ft

Coal Consumed P. P
3

Water Evaporated

# Tram	Possible	DysWor	4/6
111	1593	1309	9474

April

New Open	.089
Stoping	255
Sft. Repairs	005
Laborers	434
Tram	288
Timb	215
Mining	1.29
Pump	02
Hoist	20
Transp	02
Q+C	06
Mill	53
Misc	13
Const	09
Tot	05

241

Peak 18402
Min 825800

2 shaft

729'02 148 on
Curves

Smk # 2 99 feet

1909

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#	Possible days	Days Worked	Pct
111	1595	1509	.9474 ap
99	1692	1625 ³ / ₄	.9608 may
98	1578	1538	.9746 June
93	1305	1147	.8789 July

May

New Open	14
Stoping	32
Shift Repair	01
Laborers	52
Tram	34
Timb	13
Min	145
Pump	02
Hoist	23
Transp	03
C+C	05
Mill	60
Mise	12
Const	05
To x	05
	258

$$\begin{array}{r} 16 \\ 10 \\ \hline 26 \end{array}$$

$$\begin{array}{r} 10 \\ 10 \\ \hline 20 \end{array}$$

14 R.R.
 2 Round
 2 Double
 11 1/2 miles
 300 feet

R-17832
M-681700

Sink #7 56'
 785204

$$\begin{array}{r} 112 \\ 6 \\ \hline 118 \end{array}$$

6500 Deer

1100 tons of Coal @ 3.56

14,700 Powder

		mo		year	
Roller & Co Mill	hldr	.09		09	
	Sup	04	.13	06	15
Wash	L	.09		08	
	S	03	.12	02	.10
S lean	L				
	S	.13	.13	136	136
Pumps	L	02		04	
	S	02	04	05	.09

1916 2,824,145

1917 4,207,449

Talies Copper 1917 2,134,394

June

Mont Year

New Oper	126	10	828
Stoping	28	28	86
Shift Reprs	003	002	864
Laborers	47	45	
Team	308	31	
Timb	040	13	
Min	123	128	Bldg
Pump	017	019	547
Hoist	197	22	
Transp	027	028	
C & C	047	064	
Mill	45	52	
Misc	20	13	
Const	17	07	
Tax	05	05	
	240	240	

R 17788

Sink # 2 4364

M 710,500

Q 410,803
10% cts

828 or 247 in Curr

Coal #3 218

P.P

1090

40 Ton day 15 N.S.

76 # powder per ton of rock

#2

Foot Mining. Muck. Timb Puffer Total #

724 1006. 12035 18496 2611 40,150 55

4960
Lab 300 13.526

July.

163'	Month	Year	T.P.S	F.P.S	Cost	Wage
Near Open	09	10		2.73	313	5.44
Stoping	30	287	22.65		.31	4.55
Shift Reps	59					
Laborers	59	472				
Tram	30	31	14.57		.26	3.75
Timb	07	12				
Mine	137	129				
Pump	02	01				
Hoist	25	22				
Transp	026	028				
Coal	09	068				
Mill	66	538				
Misc	136	135				
Const	315	106				
To 4	06	056				
	295	2478				

Sinking #2
 F.P.S C.P.F Wage
 .868 10.57 5.45

Rock 15,504

Min

Co 343,145

Sink #2 - 78'

906' or 325 on Corve.

Coal @ PA
 931 Ton / @ 5.73
 @ #3
 143 @ 5.73

AUG

	09 Month	099 Year	TPS	FPS	Foot	Wage
New Open						
Stoping	29	2879	25		30	
Sh. Repair	003	0026				
Laborer	444	4694				
Tram	28	31				
Timb	087	1178				
Mine	120	1288				
Pump	02	019				
Hoist	20	22				
Trasp	02	027				
P+C	068	068				
Mill	52	536				
Misc	14	137				
Const	32	13				
Tax	06	06				
Total	256	248				

Rock 16716 Sink #2 39'
 Min 575900 9450 + 414 on Curve
 Copper 316745

Tons of Coal #3 @
 " " " PP @

- Sinking #2 -

Feet Mining Muck Timb Puffer Total

15# powder used per ton of Rock.

1915 2,824,145
 1916 4,207,449
 1917 3,071,579 to date
 10,113,173

Sept 1917

Month year

	T.P.S	F.P.S.	Cost	Wage
New Open	1215	1019		
Stoping	2860	287		
Shift Rep	0019	0026		
Laborers	472	4697		
Tram	2822	3056		
Timb	0670	1126		
Mine	123	128		
Pump	017	019		
Hoist	188	220		
Truss	019	026		
C+C	059	067		
Mill	474	53		
Misc	185	14		
Const	403	159		
Tax	06	572		
	<u>264</u>	<u>250</u>		

Rock 15880

Copper 293003

#2 1017

44' on tangent

26,000,000

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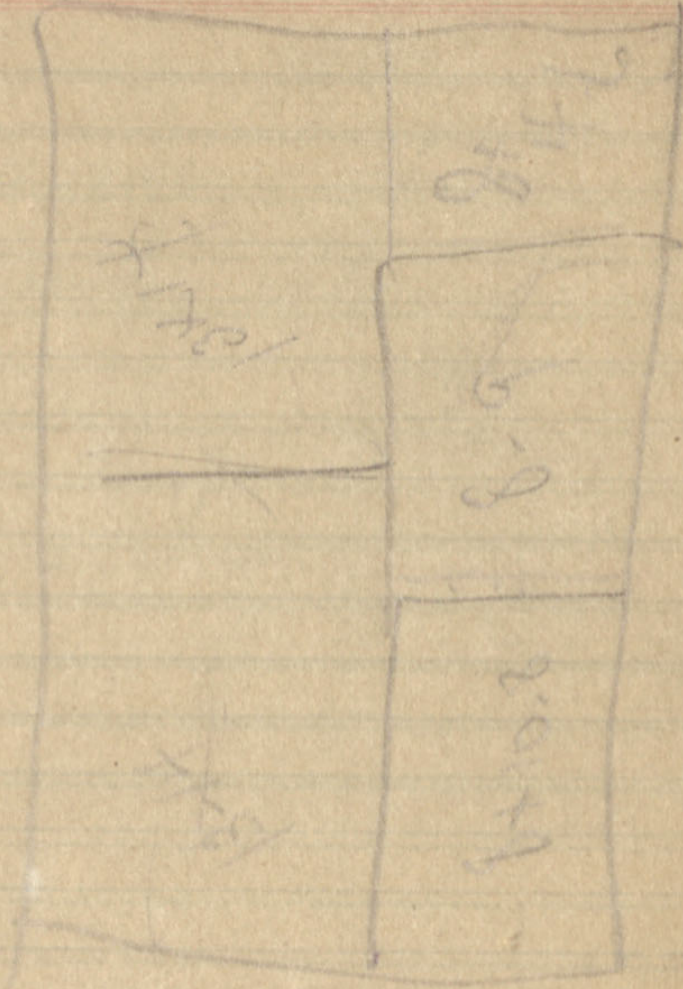
19 | 2090
 8 | 1900

$\frac{16}{30}$
8

10

240

26



16

157950 (96)
20
100

Supp ~~75~~
Milk 1.25
Sone 5.75
Hart .50

825

16 - 20⁴ - 24⁴
 217 - 21² - 25⁵
 318 - 23⁵ - 28⁶ 29

16
 875 - 148
 72508

30-13

37
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 24000

875
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 481250

48
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 2640

480.000
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26) 230.00
 19
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26 / 179

3rd Lodge

56-52-32-59-58-57-55

52-35 90 92 94

	ELU Lod.	Paper to code
164 #4	-312	839
163 #3	-145	667
162 Surf	-827	
165 4 1 4 W 1 3	-52	652
134 1 st W #2	+113	

Handwritten text, possibly a date or header.

Handwritten text, possibly a list or notes.

$$\begin{array}{r} 685 \\ \underline{55} \\ 3425 \\ \underline{3425} \\ 37675 \end{array}$$

Handwritten text, possibly a date or header.

Handwritten text, possibly a date or header.

Faint handwritten text and a grid on the right page.

	Cost Per <small>Moist</small>	Sinking <small>Time</small>	#2 Shot <small>Total</small>
Jan	9.02	5.60	30.32
Feb	8.46	5.65	29.11
Mar	9.09	5.75	31.59
Apr	9.92	6.50	28.92

Accounts for money

Merling S.

$$\begin{array}{r} 12 \\ \underline{55} \\ 60 \end{array}$$

$$\begin{array}{r} 60 \\ \underline{12} \\ 160 \end{array}$$

$$\begin{array}{r} 48 \\ \underline{16} \\ 774,800 \end{array}$$

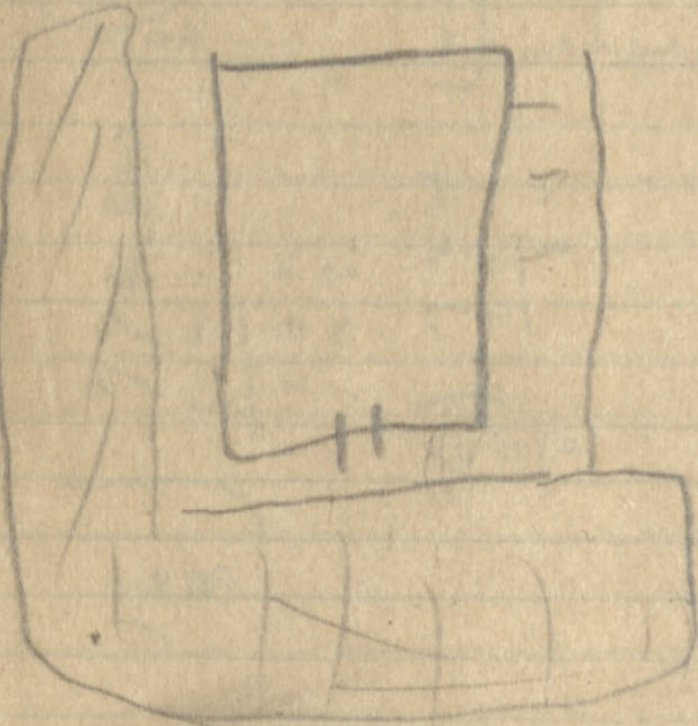
$$\begin{array}{r} 64 \\ \underline{134} \\ 128 \end{array}$$

$$\begin{array}{r} 16 \\ \underline{5} \\ 724 \\ \underline{64} \\ 84 \end{array}$$

Hanging $\frac{1}{2}$ $\frac{1}{2}$
 Carbon .24
 Cross 48
 Hester / 60

Friday May 18

Rocked 9678 363,210



Ross
me & Hugh
Mr Brown
Hilbert

Burley
Banks
Harrison
J. H. ...
John ...
Cook
Sawyer

Turbine
after Load is taken
off Release gov
speed up and see if
bump works

Gushe Rains

Hospital

Water to Houses

Turbine Sunday night

Soddy Room to Play cards

Camps & Ways

#2 shaft trestle to mill

4th East drift ought to Run Strait

Baker House

For Fute Mills

#2 Keystone lease

1 1/2 to 2[#] per month
12
24

Mrs. John Hulbert

239 Collins Wood

R P Spaulding

Spending

At May 18

R. Smith

~~John~~

15 for ~~Spaulding~~

545850
51

545810

274250

228850

15748 | 3288550 | 50

1496 31490

73875

R. Smith

7

2

1000
26000

1000

1000000

1917 | Yearly Calendar | 1917

Mo.	Sun.	Mon.	Tue.	Wed.	Thur.	Fri.	Sat.	Mo.	Sun.	Mon.	Tue.	Wed.	Thur.	Fri.	Sat.
JAN.	...	1	2	3	4	5	6	JUL.	1	2	3	4	5	6	7
	7	8	9	10	11	12	13		8	9	10	11	12	13	14
	14	15	16	17	18	19	20		15	16	17	18	19	20	21
	21	22	23	24	25	26	27		22	23	24	25	26	27	28
	28	29	30	31	...	...	...		29	30	31	...	...	...	...
FEB.	...	...	...	...	1	2	3	AUG.	...	...	...	1	2	3	4
	4	5	6	7	8	9	10		5	6	7	8	9	10	11
	11	12	13	14	15	16	17		12	13	14	15	16	17	18
	18	19	20	21	22	23	24		19	20	21	22	23	24	25
	25	26	27	28	...	...	...		26	27	28	29	30	31	...
MAR.	...	...	...	...	1	2	3	SEP.	...	...	...	...	...	...	1
	4	5	6	7	8	9	10		2	3	4	5	6	7	8
	11	12	13	14	15	16	17		9	10	11	12	13	14	15
	18	19	20	21	22	23	24		16	17	18	19	20	21	22
	25	26	27	28	29	30	31		23	24	25	26	27	28	29
	...	...	...	...	...	...	...		30	...	...	...	...	...	...
APR.	1	2	3	4	5	6	7	OCT.	...	1	2	3	4	5	6
	8	9	10	11	12	13	14		7	8	9	10	11	12	13
	15	16	17	18	19	20	21		14	15	16	17	18	19	20
	22	23	24	25	26	27	28		21	22	23	24	25	26	27
	29	30	...	...	...	...	...		28	29	30	31	...	...	...
MAY	...	...	1	2	3	4	5	NOV.	...	...	...	...	1	2	3
	6	7	8	9	10	11	12		4	5	6	7	8	9	10
	13	14	15	16	17	18	19		11	12	13	14	15	16	17
	20	21	22	23	24	25	26		18	19	20	21	22	23	24
	27	28	29	30	31	...	...		25	26	27	28	29	30	...
JUN.	...	...	...	...	...	1	2	DEC.	...	...	...	...	...	...	1
	3	4	5	6	7	8	9		2	3	4	5	6	7	8
	10	11	12	13	14	15	16		9	10	11	12	13	14	15
	17	18	19	20	21	22	23		16	17	18	19	20	21	22
	24	25	26	27	28	29	30		23	24	25	26	27	28	29
	...	...	...	...	...	...	...		30	31	...	...	...	...	...

Mfd. by Walker-Longfellow Co., Boston

Paying

100 200

50 300

320 1900

24 25 26 27 28 29 30 31

supplies 5 6 7 8 9

25 3 5 7 9

