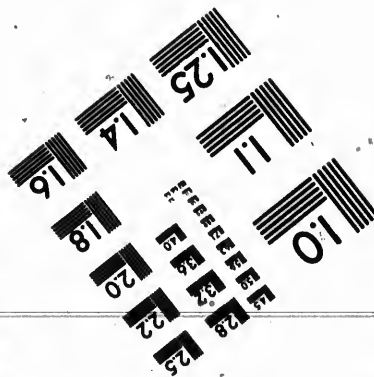
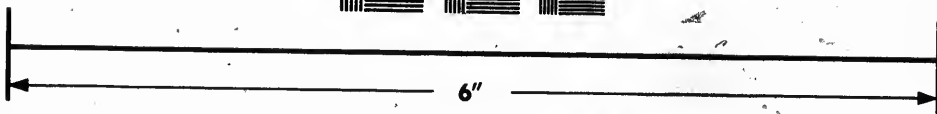
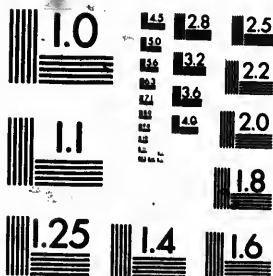


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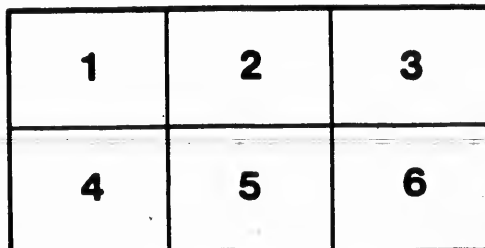
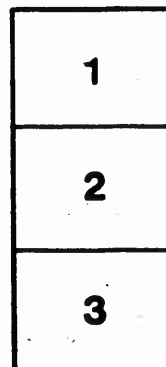
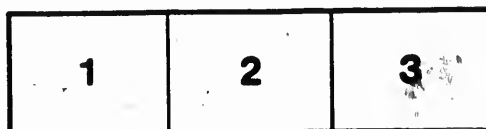
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qu'il
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32x

PRICE LIST

A. R. WILLIAMS

POWER MACHINERY

MILL AND MANUFACTURING
SUPPLIES

SOHO MACHINE WORKS

TORONTO 102 ESPLANADE STREET CANADA
Near Union Station

(Catalogue No. 20) Code Word—"India"

IN p
of
de
attention
machine
careful a
to merit

Cir
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My
facilities
fill order
or dealer
same tim

I ca
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Contract
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S
TORONTO, JUL

Preface

IN presenting to my customers and the public a new **Price List of Machinery, Mill and Manufacturing Supplies**, I desire to thank them for the patronage of the past, to call their attention to the numerous and important additions to the lines of machinery and supplies previously offered, and to assure them that by careful and prompt attention to their requirements, I shall endeavour to merit a continuance of their patronage.

Circulars or Catalogues will be sent on application, containing the detailed specifications of any machine or line of goods enumerated herein.

My control of staple lines of manufactured goods, and my facilities for supplying them are of such a character as to enable me to fill orders promptly, and to compete in prices with any manufacturer or dealer, either in or out of the Dominion for the trade, and at the same time furnish only the best goods in each line.

I can supply full equipments for Railway Shops, Machine Shops, Furniture Factories, Planing Mills, Saw and Shingle Mills, Contractor's Plant, etc., etc., of the very best goods at lowest prices, and almost always for immediate shipment.

I will supply any manufacturing or milling concern with everything they purchase in my line, guaranteeing to keep them right on quality and price.

This Price List only covers new machinery and goods. I always have in stock a large stock of second-hand machines, which, having been refitted by first-class competent engineers and mechanics, are in as good condition for work as such machines can be made. I will send list of these in any specific line on application. I prefer to have customers see second-hand machinery before purchasing.

I have added a very full and complete **Code**, for brevity in telegraphing, to this catalogue, and will answer all prepaid telegrams promptly at my own expense.

Soliciting your patronage, I am,

Yours faithfully,

A. R. WILLIAMS.

Iron Working Machinery

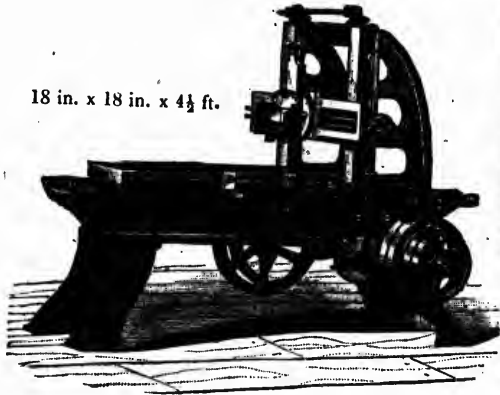
The Iron Working Machines enumerated in this Catalogue are (with a few exceptions) manufactured exclusively for my trade by

THE LONDON MACHINE TOOL CO.

This firm have a first-class equipment of tools, commodious premises, skilled workmen, modern facilities and methods, and guarantee all their productions to be right up to or ahead of the times, and strictly first-class. Do not be deceived by any statements of rival concerns or interested parties to the contrary. They do not ask purchasers to take any risk whatever on the quality of the tools. Specifications given herein will bear comparison with those of any manufacturer of machine tools in the world.

Iron Planers

18 in. x 18 in. x 4 1/2 ft.



Circular on
Application

PRICE LIST AND SPECIFICATIONS

Will Plane			Down Feed in Fiddle Head	Tight and Loose Pulleys on C. Shaft	Speed	Extra Tool Head	Weight (about)	Price	Code
Width	Height	Length							
Inches	Inches	Feet	Inches	Inches	Rev.	\$	Lbs.	\$	
18	18	4 1/2	8	12x3	225	105	3,000	490 00	Abaft
24	24	6	10	14x3 1/2	225	105	4,500	525 00	Abase
24	24	7	10	14x3 1/2	225	105	4,800	560 00	Abate
26	24	8	10	14x3 1/2	225	140	5,200	675 00	Abbot
30	30	8	12	16x4	250	175	7,500	875 00	Abbot
36	30	10	12	16x4	250	175	8,000	945 00	Abduct
36	36	10	12	16x4	250	175	9,500	1,015 00	Abide
36	36	10	14	16x4 1/2	300	210	16,600	1,155 00	Abjure
40	36	12	14	16x4 1/2	300	210	16,500	1,260 00	Able
42	36	14	14	16x4 1/2	300	210	17,000	1,375 00	Abode
48	42	14	14	16x4 1/2	300	280	18,500	1,470 00	Abound
48	48	16	15	18x5	300	280	21,000	1,820 00	Above

All Planers have Automatic, Cross, Down and Angular Feeds, and quick return motion (8 to 1).

A. R. WILLIAMS

SHA

16 and style

12 inch Wh

16x36 in

Price incl Wren

Size.

16x20	Ebe
24x30	Prat
12x22	Nile
16x36	

(Circulars

SWI

Over Shears.	In g
22	20
24	38
26	40
32	20
24	38
26	40

With Red as

SWING.

Over Shears.	In gap.
36	62
36	62
44	86

inery

a few exceptions) manu

skilled workmen, modern
to or ahead of the times,
l concerns or interested
whatever on the quality of
of any manufacturer of



SHAPING -- -- MACHINES

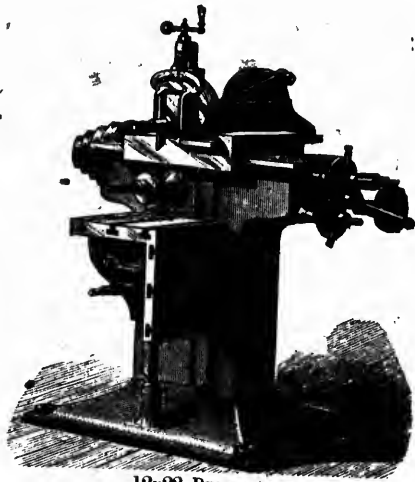
(Circulars on application.)

16 and 24 inch Shapers are same style as Gould & Eberhardt's.

12 inch is similar to Pratt & Whitney's.

16x36 inch, same as Niles Tool Co.

Price includes Vise, Countershaft and Wrenches.



12x22 PEDESTAL

Size.	Style.	Specifications.	Automatic Feeds.	Works over Surface.	Weight.	Price.	Code.
16x20	Eberhardt	With travelling bed	Cross and down	24x20	1,510	\$390	Accede
24x30	" " " " " " " "	" " " " " " " "	" " " " " " " "	34x30	2,900	550	Accept
12x22	Pratt & Whitney	" " head	" circular	18x22	2,115	390	Accept
16x36	Niles.....	" " " "	All feeds	16x36	6,000	900	Access

ENGINE GAP LATHES

(Circulars on application.) All with Rod, Screw and Cross Feeds, and Compound Tool Rest.

SWING.		Length of Bed.	Specifications same as	Weight (about)	C. Shaft.	Speed.	Price.	Code.	Extra per ft.	Note
Over Shears.	In gap.										Width in gap.
In.	In.	In.	Ft.	In.	Lbs.	In.	Rev.			
22	30	14	10	20	4,000	14	100	\$475	Accuse	\$15 00
24	38	14	10	24	4,400	14	100	500	Ace ...	16 00
26	40	17½	10	26	5,700	16	100	550	Acorn.	20 00
32	20	20	12	32	8,000	20	90	800	Acce ...	25 00
				SPECIALS. Net Cash.						
24	38	14	20	24	5,500	14	100	600	Act ...	16 00
26	40	17½	20' 8"	26	7,700	16	100	700	Actor .	20 00

BREAK LATHES

With Rod and Cross Feeds, Compound Tool Rest, and Extra Pedestal Compound Tool Rest on Slotted Platform in Front of Break.

SWING.		Width in Break.	Length of bed from front of head.	Head same as (but triple geared).	Weight (about)	Price.	Code.	Extra platform on front.	Extra compound Tool Rest.	Extra per foot of bed.
Over Shears.	In gap.									
In.	In.	In.	Ft. In.	Lbs.	\$					
36	62	30	12 6	36 in.	10,000	1,150	Adage	Adept.	Adjure.	Admire
36	62	36	12 6	Geared in face-plate	13,000	1,425	Add ..	75	100	\$20
44	86	36	12 6	44 in.	18,000	1,950	Adder	75	125	\$30

ONS

Price	Code
\$	
420 00	Abaft
525 00	Abase
560 00	Abate
675 00	Abate
875 00	Abbot
945 00	Abduct
1,016 00	Abide
1,155 00	Abjure
1,280 00	Able
1,375 00	Abode
1,470 00	Abound
1,520 00	Above

turn motion (\$ to 1).

Engine Lathes

(Circulars on Application)

No.	Swings over Gears	Length of Bed	Style of Tool Rest	Style of Feed	Weight, Lbs.	Price	Code	Extra for Compound Rest	Code	Extra per Foot of Bed	Code	Extra for Hollow Spindles	Code
1	15	6	Gibbed	Rod and Screw	1,300	\$ 270	Ado.	\$ 15	Adopt	\$12		\$18	Adore
2	15	6	Elevating	"	1,400	290	Advance	15	Adverse	12		18	Advent
3	15	6	Gibbed	Rod, Screw and Cross	1,300	300	Adverb	15	Adore	12		18	Advise
4	15	6	"	Rod and Screw	1,250	240	Age	15	Agent	12		18	Aged
5	16	6	"	"	1,750	330	Air	15	Airy	14		20	Ajar
6	17	6	"	Rod, Screw and Cross	1,750	370	Ale	15	Alien	14		In Price	Alike
6	18	6	"	"	1,800	375	All	15	Alley	14		"	Allege
7	18	6	"	Rod and Stop Motion	2,800	320	Alley	18	Allies	15		20	Allot
8	18	6	"	Rod and Screw	2,600	412	Allow	18	Alloy	15		20	Altrade
9	18	6	Elevating	"	2,600	425	Aloc.	18	Aloft	15		20	Alone
10	20	8	Gibbed	Rod, Screw and Cross	2,000	460	Alpha	18	Altar	15		In Price	Alto
11	22	8	"	Rod and Screw	3,000	475	Alum	20	Always	18		20	Amass
12	24	8	Compound	"	3,500	500	Amble	In Price		18		20	Amen
13	26	10	"	Rod, Screw and Cross	3,800	525	Ample	"		22		20	Angel
14	28	10	"	"	5,200	635	Angle	"		24		20	Annal
15	32	12	"	"	5,400	650	Annex	{	Extra Platform	24		20	Annal
16	36	12	"	"	9,000	900	Anon.	{	Pedestal Compound	24		20	Annal
17	40	12	"	"	9,500	1,000	Ant	{	Tool Rest on Front	28		24	Answer
18	44	16	"	"	10,000	1,100	Antic.	125		28		30	Anthem
19	48	16	"	"	13,800	1,400	Anvil	150		30		30	Anxious
20	54	16	"	"	14,500	1,500	Apert	150		30		30	Apacc
21	60	16	"	"	18,000	2,000	Apple	150		40		35	Appal
			"	"	19,000	2,100	Apron	150		40		35	Approve
			"	"						40			Arbor

A. R. WILLIAMS

Swing of Lat
Swing over C
10 Ft. Bed—
between Ce
Front Journal
Back Gear ..
Face of Cones
No. of Steps.
Diameter Larg
Cone
Dia., Smallest
Width of Shea
Depth "
Bearing of Sad
Width of Tool
Travel of Tool
Travel of Com
Rest.....
No. of Face Pl
No. of Change
No. of Wrenche
Weight, 10 Fee
Diameter, Tigh
Loose Pulley:
Face "
Speed "

Specifications of Engine Lathes.

(Circulars on Application)

30 Anthem	28	30 Anxious	28
30 Apax	30	30 Appal	30
35 Approve	40	35 Arbor	40
35 Arbor	40		

	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Swing of Lashes	15	16	17	18	24	26	32	36	44	48	54
Swing over Carriage	10	9½	9¼	12	16	18	23	27	32	36	40
10 Ft. Bed—Turns between Centres	7-3	6-10	6-6	6-6	6-0	5-6	3-10	3-6	2-4	2-4	2-0
Front Journal, Dia.	2½	2⅞x4	2½x4½	2½	3½	3¼	4½	5½	6½	6½	6½
Back Gear	9 to 1	8.727 to 1	11.98 to 1	11 to 1	12 to 1	16 to 1	19 to 1	20 to 1	23 to 1	23 to 1	30 to 1*
Face of Cones	2½	2½	3	2½	3¼	3¾	4½	4½ & 5	5	5	5
No. of Steps	4	4	4	4	4 & 5	4	5	5	5	5	5
Diameter Largest Cone	9	8¾	12	12	12	15½	18	21	24	24	24
Dia., Smallest Cone	4	4	5	5	5	6½	6	9	9	9	9
Width of Shears	11½	15	15	15½	16½	19	22	22	34	34	40
Depth	7½	10	10	10	10½	12½	14	15	18	18	20
Bearing of Saddle	21	22	26	24	28	30	42	42	48	48	50
Width of Tool Slide	5½	5½	5½	6½	7	8	10	10	13	13	14
Travel of Tool Block	10	10	10	12	14	16	18	20	24	24	28
Travel of Compound Rest	5	6	6	6	8	8	9	9	10	10	10
No. of Face Plates	1	2	2	2	2	2	2	2	2	2	1
No. of Change Gears	17	13	13	17	17	17	17	17	17	17	17
No. of Wrenches	4	2	2	4	4	4	4	4	5	5	5
Weight, 10 Feet Bed	1600	2150	2300	3000	4500	5200	8000	8500	10,000	12000	15000
Diameter, Tight and Loose Pulleys	10	12	13½	12	14	16	20	24	24	30	36
Face	2½	3	3½	3	3½	4	5	5	5	5	6
Speed	12	112	160	110	100	100	90	90	80	80	75

See prices, etc. Page 4.

*Triple Geared.

Drilling Machines

(Circulars on Application)

UPRIGHT DRILLS				Greatest Distance, Spindle to Base	Drive Pulleys	Speed	Weight (about)	Price	Code	
No.	Size	Dia. of Table	Traverse of Spindle							
1	20	16	9½	40	8x3½	Rev. 350	Lbs. 500	\$ 110	Babe	
2	24	20	8	46	10x3	350	1300	225	Babel	
3	30	24	10	50	12x4	350	2000	275	Back	
4	36	32	12	60	14x4	300	3200	400	Bacon	
5	42	36	12	62	14x4	250	4000	475	Bad	
6	50	42	15	66	18x5	175	6000	600	Badge	
Combined Drilling and Boring Machines										
1	30	Geared		36	12x4	350	2400	400	Baffle	
2	36	Revolving		46	14x4	300	3800	475	Bag	
3	42	Tables, same		46	14x4	250	4600	600	Ball	
4	50	size as above		48	18x5	175	6800	900	Bait	
Combined Drilling and Slotting Machines										
1	30	Combined		30	12x4	350	2700	475	Bater	
2	36	Table		38	14x4	300	4100	600	Balance	
3	42	also		38	14x4	250	5000	900	Bald	
4	52	Circular		40	18x5	175	7500	1125	Bale	
Suspension Drills										
1	Plain		10	12	12x3½	300	1000	150	Balk	
2	Back Geared		12	12	14x4	250	1900	190	Ball	
3	Back Geared		14	12	14x4	250	1600	215	Ballet	
Sensitive Drills										
1	Spindle		3	12		350	300	80	Balloon	
2	Spindle		3½	12½		450	250	125	Ballot	
3	Spindle		3½	12½		600	300	175	Balm	
4	Spindle		3½	12½		500	420	225	Balsam	
Radial Drills										
1	50		16	60	12x4	250	5000	750	Bamboo	
2	66		18	71	13x4	250	9300	1000	Band	

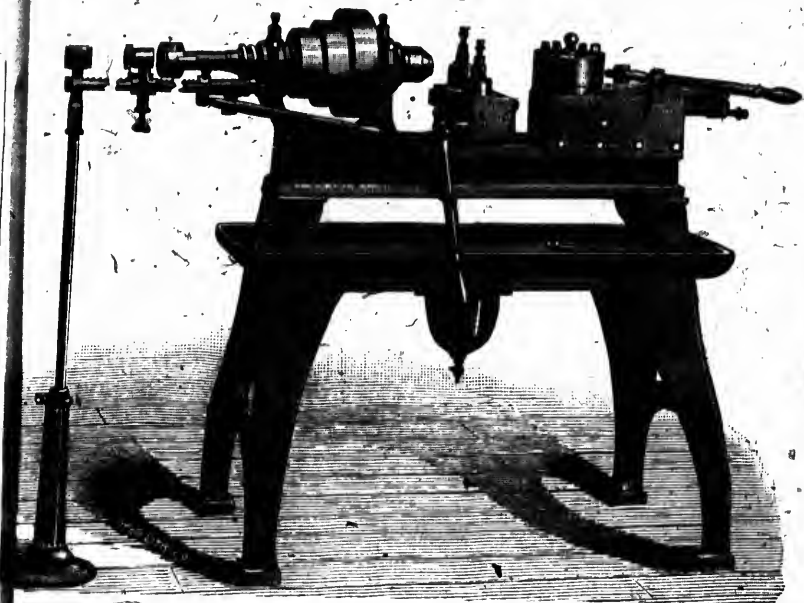
For Hand and other Drilling Machines, see page 49.

A. R. WILLIAMS

No. of M
Swing ov
Length of
Weight
Hole in S
No. and I
Diameter
Holes in
Length C
C. Shaft
Speed of
Code.....
Price of P
Back Gear
Clutch Ge
Power Fee
Wire Feed

es

Turret Screwing Machines



NO. 3, WITH WIRE FEED

80	Balloon
125	Ballot
175	Balm
225	Balsam
750	Bamboo
1000	Band
200	
250	
300	
420	
5000	
8300	
350	
450	
600	
500	
250	
250	
4x2	
12x4	
13x4	
12	
12½	
12¾	
13¾	
60	
71	
3	
3½	
3¾	
3¾	
16	
18	
Spindle	
Spindle	
Spindle	
Spindle	
Radial Drills	
50	
66	
1	
2	

No. of Machine	1	2	3	4	5	6	7	8
Swing over bed	8½ in.	10 in.	12 ft.	14 ft.	16 ft. in.	16 ft. in.	20 ft. in.	24 ft. in.
Length of bed	30	32	3	4	4-6	4-6	5-6	6-6
Weight	500	550	650	900	1600	1600	3200	3500
Hole in Spindle	1½ in.	1½ in.	1½ in.	1½ in.	1½ in.	1½ in.	2½ in.	2½ in.
No. and Face of Cones	3-1½	3-1½	3-2	3-2½	4-3	3-4	3-4*	3-4*
Diameter of Turret	5½	5½	6 in.	7 in.	9 in.	9 in.	13 in.	13 in.
Holes in Turret	5-3	5-3	6-3	6-1	7-1½	7-1½	6-2½	6-2½
Length Can Mill	3	3	4	6	8	8	12	12
C. Shaft Pulleys	8	8	10	12	15	15	16	16
Speed of Pulleys	250	250	225	200	200	200	125	125
Code	Bane	Bang	Bank	Bar	Barb	Bard	Bare	Rarefoot
Price of Plain Machine	\$240	\$250	\$300	\$340	\$480	\$490	\$840	\$890
Back Gear, extra			35	45	75	75		
Clutch Gear, extra			45	50	75	75	110	110
Power Feed, extra				35	35	35	45	45
Wire Feed, extra			150	150	150	150	150	150

*Back Geared only.

SOHO MACHINE WORKS, TORONTO

POWER AND DRAWING PRESSES

(Circulars on Application)

SPECIFICATIONS AND PRICE LIST

No.	Style.	Opening in Bed.	Motion of Slide.	Adjustment of Slide.	Depth in gap.	Weight (about)	Price, plain.	Code.	Price, Back Geared	Code.
1	"Stiles"	In. 4 x 6	In. 1	In. 1	In. 4 1/2	Lbs. 900	\$ 150	Basket	\$	
2	"	5 x 8	1 1/2	1	6	1,650	250	Bass		
3	"	7 x 10	1 1/2	1	7 1/2	3,000	375	Basset		
4	"	9 x 12	1 1/2	1	9	4,800	500	Bat	450	Beast
5	"	11 x 14	1 1/2	1	10 1/2	7,500	700	Bath	625	Beat
10	"	3 x 5	1	1	4	235	100	Bate	875	Beau
18	"Bliss"	6 round	1 to 1 1/2	1 1/2	3 1/2	540	180	Baton		
19	"	7 "	1 to 1 1/2	1 1/2	3 1/2	1,000	200	Battle		
20	"	10 "	1 to 2	1 1/2	4 1/2	1,500	300	Battle		
21	"	14 "	1 to 2 1/2	2	6	3,650	375	Baiber		
22	"	24 "	1 to 3	2	9	6,000	550	Bay		
30	"	16 x 22	1 to 5	2	11	4,000	450	Beach		
31	"	16 x 22	1 to 5	2	10	4,000	450	Bead		
36	"	12 round	1 to 6	1 1/2	10	4,800	600	Beacon		
37	"	As desired	1 to 2	1 1/2	10	4,500	400	Beadle		
1 1/2	"	9 round	8 and 4	2	10	5,000	700	Beak	700	Beck
3 1/2	"	9 round	8 and 4	2	14	8,400	475	Beam	475	Bed
4 1/2	"	11 round	12 and 10	6	17	18,000	2,400	Bear		

BEAUDRY'S DUPLEX POWER PRESS

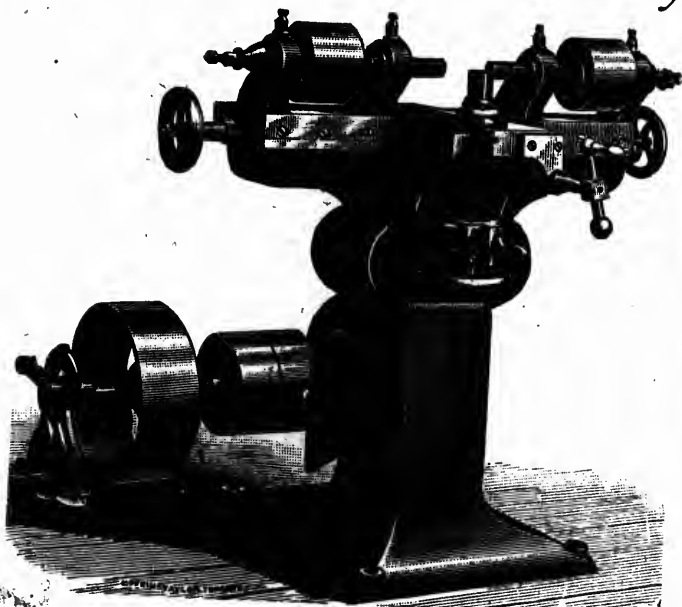
(Circulars on Application)

No.	Stroke.	Cut Round.	Cut Flat.	Will Punch.	Throat Space.	Diameter of Pulley and Face	Speed of Fly Wheel.	Weight.	Price on applica-tion	Code
3	In. 1	In. 3	In. 2 x 1/2	In. 1/2 x 1/2	In. 5	In. 12 x 3 1/2	350	1,500		Bee
4	1 1/2	1 1/2	4 x 1	1/2 x 1	7	16 x 4	300	4,500		Beech
5	2	2 1/2	5 x 1	1 x 1	9	18 x 4 1/2	280	6,400		Beef
6	2 1/2 to 3	2 1/2	9 x 1	1 1/2 x 1 1/2	11	22 x 5 1/2	250	12,000		Beer
7	2 1/2 to 3 1/2	3	7 x 1 1/2	2 1/2 x 1	26	30 x 6 1/2	200	20,000		Beet

rown & Sharpe
(Back-geared)
18
16
3-2 1/2
1 1/2
10
12
125
1700
\$ 375
Barren
\$ 115
30
50
150
75
225
100

Code
Barrow
Barter
Base
Basil
75
Basin
Basis
Bask

Brass Workers' Machinery



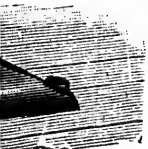
VALVE MILLING MACHINE

Machine.	Tight and Loose Pulleys.	Speed.	Weight.	Price.	Code.
2 Spindle Valve Milling Machine...	In.				
Fox Lathe, complete	10	375	1,000	\$325	Befall
Fox Monitor, complete	10	250	1,200	360	Befit
Plain Cock Grinder, complete.....	10	250	1,400	425	Before
Double Gear'd Grinder, complete..	10	125	800	140	Beg
Plain, with Automatic feed, complete	12	125	1,500	225	Beget
Plain Lathe, with square spindle and set over tail stock, complete	10	125	1,000	325	Beggar
Plain Lathe, with round spindle do.	8	230	1,000	225	Begin
8 in. Bench Lathe and C. Shaft....	8	230	1,000	200	Begone
12 in. Plain Lathe " "	6	250	250	75	Begrime
14 in. " " " (on legs) ..	8	225	900	110	Begrudge
12 & 14 in. Extra for compound rest	10	225	1,000	135	Beguile
16 in. Spinning Lathe				35	Behalf
Globe Valve Chuck to 1 in.	8 x 3½	350		125	Behold
" " " " 2 in.				60	Behead
				70	Behind

For Plain Monitors, see Turret Screwing Machines, page 7.

achinery

Car Machinery and Steam Hammers



Price.	Code.
\$325	Befall
360	Befit
425	Before
140	Beg
225	Beget
325	Beggar
225	Begin
200	Begone
75	Begrime
110	Begrudge
135	Beguile
35	Behalf
125	Behold
60	Behead
70	Behind

LOCOMOTIVE AND CAR MACHINERY (Photos on Application)

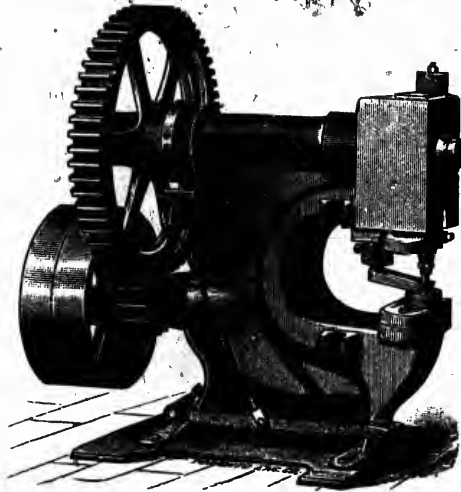
Machine	Specifications	Size	Will Turn	Steps on Cone	Driving Pulleys	Weight	Price	Code
Loco. Drive Wheel Lathe	.....	66 in.	60 in.	6-5 in.	30x6 in.	30000 lbs.	\$3000	Belay
" " " "	.....	79	73	6-5	30x6	35000		Belfry
Car Wheel Lathe	For Turning Steel Tires.	42	42	5-5	30x5	22000		2000 Belfry
" " " "	Double End Geared	42	42	5-5	30x6	25000		2400 Bell
Locomotive Cylinder	Boring Lathe	12 to 22	.....	3-4	28x4 1/2	15000		1400 Bellows
Hydrostatic Press	Tested to 200 Tons.	78	72	.....	36x6	13600		1200 Belt
Car Wheel Press	Tested to 150 Tons.	42	40	5-4	30x4	7500		900 Bench
" " " "	102 ins. between centres.	.....	.....	5-4	24x6	5500		800 Bend
" " " "	" " " "	.....	.....	5-4	24x6	6500		1275 Berth
Car Wheel Borer	.....	.....	.....	.....	24x6	10000		1350 Beryl

STEAM HAMMERS (Circulars on Application)

Style	Size	Dia. of Cylinder	Stroke	Forge up to Square	Weight	Price	Code
Single Stand	150 lbs.	4 1/2 in.	12	1 1/2 in.	2000 lbs.	\$450	Beset
" " " "	250	5	14	1 3/4	4000	600	Beside
" " " "	400	5	16	3	6500	825	Besom
" " " "	600	7	20	5	10000	975	Besot
" " " "	800	8	23	6	13000	1170	Besow
" " " "	1100	9	26	7	17000	1650	Bethel
" " " "	1250	10	28	8	19000	1875	Betake
" " " "	1500	12	30	10	28000	2150	Betide
" " " "	2000	13	33	12	38000	2675	Betray
" " " "	2500	14	36	13	40000	3150	Bewall
Double Stand	1100	10	21	.....	27000	2375	Bey
" " " "	1500	11	26	.....	32000	2700	Bias
" " " "	2000	13	30	.....	40000	3375	Bide
" " " "	2500	14	30	.....	46000	3750	Bier
" " " "	3000	14	38	.....	.....	.....	.....
" " " "	5000	18	48	.....	66000	5250	Bite

SOHO MACHINE WORKS, TORONTO

Iron-Working Machinery



12-INCH PUNCH AND SHEARS

I will mail, on application, circulars giving full description of any of the following machines. Where I have no circulars I can generally send photos and a letter-press description.

Machine.	Style.	Size.	Specifications.	Weight (about)	Price.	Code.
Bolt Header	A.	1n.	Ordinary bolts	Lbs. 7000	\$ 750	Bigot
" "	B.	1/4 to 1 1/4	Track bolts	7500	800	Bile
" "	C.	3/8 to 1 1/2	{ All styles bolts and rivets }	8000	850	Bilge
Bolt Cutter	"Schlencker"	3/8 to 1 1/2	Stationary dies	1500	345	Bilk
" "	"	1 to 1 1/2	Revolving dies	1500	375	Bill
" "	"	2 to 2	" "	1700	415	Billow
Bolt Pointer	"	2 to 3	" "	3000	525	Bin
Boring and Turning	Fig. 1,075	1/4 to 1	Revolving head	525	125	Bind
Mill	Niles	Ft.				
" "	"	5		14000	1400	Biped
" "	"	6		16000	1550	Birch
" "	"	7		25000	2200	Bird
" "	"	8		28500	2400	Biscuit
" "	"	10		30000	2600	Bishop
" "	"	12		37000	3200	Bison
Boring and Drilling		6 ft.				
Lathe	Newark	swing	6 ft. table	7500	850	Bit
Boiler Rolls	Fig. 886	7 ft.	Geared	7150	600	Biset
" "	Fig. 886	8 1/2 ft.	" "	10600	900	Bismuth

Machinery

Iron-Working Machinery—Continued



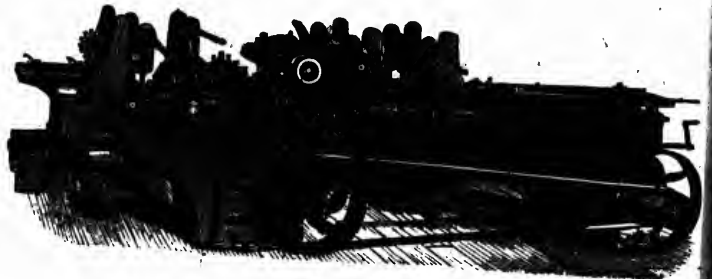
Description of any of the
Machinery send photos and a

Weight (about)	Price.	Code.
Lbs. \$		
7000 750	Bigot	
7500 800	Bile	
8000 850	Bilge	
1500 345	Bilk	
1500 375	Bill	
1700 415	Billow	
3000 525	Bin	
525	Bind	
4000 1400	Biped	
3000 1550	Birch	
3000 2200	Bird	
3500 2400	Biscuit	
3000 2600	Bishop	
7000 3200	Bison	
500 850	Bit	
180 600	Biset	
600 900	Bismuth	

Machine.	Style.	Size.	Specifications.	Weight (about)	Price.	Code
Boring Drill	Turret	In. 36		5000	800	Biting
"	"	50		6500	950	Bitter
Bradley Hammer	" Helve "	Lbs. 25		2500	300	Black
"	"	40		4000	400	Blade
"	"	60		5500	600	Blame.
"	"	80		7000	750	Bland
Full Dozer	" Moline "	No. 3	16 in. stroke	8000	475	Blank
Centering Machine						
" " No. 1	" Whiton "	1/4 to 3/4	With scroll chuck		75	Blast
" " No. 2	"	1/4 to 4 1/2	"		95	Blaze
" " No. 3	"	1/4 to 5 1/2	"		110	Bleak
Drop Hammer	" Moline "	Lbs. 400	Rope lift	6500	485	Bleed
"	"	600	"	8400	640	Blend
"	" Stiles "	100	Board lift	2000	225	Bless
"	"	200	"	4000	360	Blest
"	"	300	"	5500	500	Blight
"	"	400	"	6000	540	Blind
"	"	600	"	7500	675	Blink
"	"	800	"	8500	765	Bliss
Facing Attachment for " Newark "		In.				
Boring Lathe					50	Block
Forge Furnace		26 x 34	Without brick	600	60	Blonde
Gear Cutter	" Eberhardt's "	50	Automatic	2400	900	Blood
Key Seat Slotter	" Lockport "	1/4 to 1 1/2	3/8, 1/2 and 3/4 cutters	750	125	Bloom
Nut Machine		1/4 to 1 1/4		6000	850	Bloor
Nut Tapping Mach	Revolving	1/4 to 3/4	6 spindle	1150	300	Blot
Pipe Machine	I. X. L.	1/4 to 2	Hand, solid dies	400	100	Blow
"	"	1/4 to 2	{ Power & hand, } solid dies	600	110	Blue
"	No. 1	1/4 to 2	Hand, opening dies	60	65	Bluff
"	No. 2	2 1/2 to 4	"	150	105	Blunt
"	No. 2	2 1/2 to 4	{ Power & hand, } opening dies	170	175	Blur
"	No. 3	4 to 6	"	240	225	Blush
Punch and Shears	Single	6 gap	Cut and punch to 1/2"	1300	200	Board
"	"	12 "	" " 3/8"	3000	320	Boast
"	"	24 "	" " 1"	5000	485	Boat
"	"	12 "	" " 3/8"	6000	575	Bode
"	"	24 "	" " 1"	9000	750	Body
Slotting Machine	Pillar	8 x 40	{ Adjustable } stroke and	5000	750	Bog
"	"	12 x 54	"	9000	1000	Boil
"	"	18 x 72	{ automatic feeds }	17000	1600	Bold
Tapping Drill	No. 5, page 6	42	Tap to 6 in. fittings	4500	550	Bolt
Tool Grinder	" Garvin's "			450	125	Bomb

Wood-Working Machinery

(Circulars on Application)



No. 2 1/2 FLOORING MACHINE

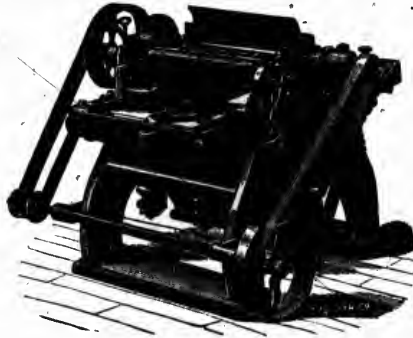
--- PLANING MACHINES ---

No.	Machine	Maker	Surfacer	Feed Rolls		Will Surface		Weight	Price	Code
				Inches	Prs. Inches	Width	Thick-ness			
2 1/2	Flooring Machine	S. A. Woods	Inches 14 Double	3	10 3/4	14	5	(about) 6500	\$ 1550	Bond
4	"	To Order	13 "	3	10	13	7	7500	1300	Bone
5	"	"	13 Single	2	10	13	7	5500	700	Book
1	Planer & Matcher	Cowan & Co.	24 Double	3	7	14	7	7800	1100	Boom
2	"	"	24 Single	3	7	14	6	6000	800	Boom
3	"	"	24 "	2	6	14	5	4500	580	Boom
4	"	"	24 "	2	5	14	4	3500	460	Boor
5	"	"	24 "	2	4 1/2	14	6	3500	475	Boor
6	"	"	24 "	2	4 1/2	14	6	2750	350	Booth
3 to 6	"	"	Beading	2	4 1/2	14	6	2750	350	Booth
Inch	Whitney Planer	"	Single	2	5	24	6 1/2	2800	435	Bore
1	"	"	"	2	5	28	6 1/2	2850	460	Born
2	"	"	"	2	5	30	6 1/2	3200	535	Bosom
3	Rev. B. Surfacer	"	Double	26	10	26	10	5000	725	Boss
1	"	"	Single	26	10	26	10	2900	410	Botch
2	Surface Planer	To Order	"	24	10	24	8	2550	320	Bottle
3	"	"	"	24	8	24	8	1640	175	Bottom
4	Panel Planer	"	"	20	8	16	8	1568	155	Bough
1	Buzz Planer	"	"	16	8	16	8	1480	145	Bounce
2	"	"	{ Straight	12	6	12	6	600	180	Bouncer
3	"	"	{ or	12	6	12	6	750	85	Bound
4	"	"	{ diagonal	20	6	20	6	1000	110	Bounty
	"	"	{ knife	20	6	20	6	1000	180	Bourn
	"	"	"	24	6	24	6	1200	160	Bow

Machinery

"Eclipse"

Planer, Matcher and Moulder



With Slotted Cylinder, Shimer Matcher Heads, extra pair of 3 1/4 in. Slotted Side Heads, Counter Shaft and Belts. A first-class convenient machine made to order exclusively for my trade. Weight, 2400.

Price, complete, \$350.

Code—Border

MOULDING MACHINES

Surface	Weight	Price	Code
Thickness	(about)	\$	
5	6600	1560	Bond
7	7500	1800	Bone
7	5500	700	Bonus
6	7800	1100	Book
5	8000	800	Boom
4	4500	580	Boor
4	3500	450	Boor
6	3500	475	Boor
6	2750	350	Booth
.....	.....	50	Borax
6 1/2	2800	435	Bore
6 1/2	2950	460	Born
6 1/2	3200	535	Bosom
0	5000	725	Boss
0	2900	410	Botch
8	2550	320	Bottle
8	1640	175	Bottom
8	1566	155	Bough
8	1480	145	Bounce
.....	600	180	Bouncer
.....	760	110	Bound
.....	1000	180	Bounty
.....	1200	160	Bourn
.....	.....	.....	Bow

	Planes	Matches	Table Drops	Style (sides)	Tight and Loose Pulleys	Speed	Style of Feed	Weight	Price	Code
	in.				In. Dia.			(about)		
1	12	10	12	4	12 x 6 1/2	775	Rev. Bed	3500	\$650	Bowl
2	12	10	12	3	12 x 6 1/2	775	.....	3400	550	Box
3	10	10	12	4	12 x 6 1/2	775	.....	3000	550	Boxer
4	10	10	12	3	12 x 6 1/2	775	.....	2900	450	Boy
5	12	10	16	4	12 x 6 1/2	775	.....	3400	600	Brace
6	12	10	16	3	12 x 6 1/2	775	.....	3200	500	Brad
7	10	10	16	4	12 x 6 1/2	775	.....	3000	550	Brag
8	10	10	16	3	12 x 6 1/2	775	.....	2800	475	Braid
9	9	8	16	4	12 x 6 1/2	775	.....	2550	500	Brain
10	9	8	16	3	12 x 6 1/2	775	.....	2400	425	Brake
11	8	8	16	4	12 x 6 1/2	775	.....	2250	475	Bramin
12	8	8	16	3	12 x 6 1/2	775	.....	2100	390	Bran
13	7	7	16	4	12 x 6 1/2	775	.....	2050	400	Branch
14	7	7	16	3	12 x 6 1/2	775	.....	1900	350	Brand
15	6	6	16	4	12 x 6 1/2	775	.....	1700	350	Bras
16	6	6	16	3	12 x 6 1/2	775	.....	1570	275	Brat
17	7	7	15	1	10 x 6 1/2	900	.....	800	175	Brave
18	6	6	15	1	8 x 4 1/2	900	4 Rollers, 2 top and 2 bottom All power driven Top driven	540	140	Brawl

SOHO MACHINE WORKS, TORONTO



Band Sawing Machinery

(Circulars on application)

36-INCH MACHINE

No.	Style.	Diameter of Wheel.	Length of saw.	Tight and loose pulleys		Speed.	Weight.	Price.	Code.
				In.	In.				
1	To bolt on post	In. 30	Ft. In. 15-8						
2	Pedestal	25	14-4	10x3	375	1005	\$ 100		
3	"	30	17-10	12x3½	425	800	110	Bray	
4	"	34	17-10	14x3½	400	1200	150	Break	
5	"	36	19-10	14x3½	375	1450	175	Break	
6	Re-Saw	40	21-3	16x4	350	1800	190	Breath	
7	"	48	25-6	16x6 20x6	375 450	2750 4500	400 800	Breed Breeze	

For Band Saw Blades, see page 115.

Wood-Working Machinery

(Circulars on Application)

*Band Sawing
Machinery*

(Circulars on application)

MACHINE.	Weight.	Price.	Code.
and Stile Boring and Mortising Machine.....	550	\$130	Brethren
and Slat Tenoning Machine (improved).....	250	80	Brevet
“ (Ellis).....	240	75	Brevity
“ Wiring Machine. (foot).....	65	25	Brew
“ (hand, single).....	8	15	Brewer
“ (hand, double).....	46	40	Bribe
“ Resawing Machine.....	350	130	Bribery
ing Machine (to bolt on post).....	90	25	Brick
“ belt driven (to bolt on post).....	90	30	Brick-bat
“ horizontal, 1 spindle.....	400	100	Brick-dust
“ “ 2 “.....	450	125	Bridal
“ vertical, 3 “.....	780	175	Bride
and Saw Set.....	10	10	Bridge
and Saw, filing board and wheels.....	50	10	Brief
and Saw Filing Vise.....	15	6	Brier
ing Machine (Buss improved).....	160	95	Brig
lo Head, diameter, 9½ in., face, ¾ in. expanding. (See Shimer's page 126)	12	12	Brigade
or Clamp, wood frame, iron mounted.....	500	75	Bright
“ iron frame.....	1150	120	Brighten
ve-Tailing Machine (Knapp's improved).....	760	250	Brilliant
age Lathes, No. 1 Bailey, Broom Handle.....	500	130	Brim
“ No. 2 “ turns 4 ft. 6 in. long.....	750	200	Brimmer
“ No. 3 “ “ 7 ft. 6 in. “.....	900	230	Brimstone
“ No. 1 Waymouth, works to 2 in.....	830	225	Brine
“ No. 2 “ to 2½ in.....	950	250	Bring
“ No. 3 “ to 3 in.....	980	275	Brink
“ Sheldon's Automatic, for broom, hoe, rake, mop and brush handles.....		300	Brisk
“ Extra head, for fork handles.....		85	Bristle
“ Sawing and Chucking Machine.....		35	Brittle
b Boring and Mortising Machine.....		300	Broach
b Turning Machine.....		550	Broad
b Boring and Rimming Machine.....		150	Broadside
ndle Sawing Machine, Automatic.....		650	Broadsword
ndle Scouring Machine, with belt.....		40	Brocade
mber Register (running feet).....		30	Brochure
reing Machine, ordinary “hand”.....		15	Brogue
“ “ “foot”.....	100	25	Broil
rtising Machine, foot power, No. 1.....		18	Broker
“ “ No. 2.....		20	Bronze
“ (Barnes).....	170	28	Brooch
“ power.....	950	160	Brood
“ “ with boring attachment.....	1100	190	Brook
nel Raising Head, arbor and guide.....	100	33	Broom
“ heavy.....	110	45	Broth
“ double head, arbor and guide.....	126	80	Brother
ocket and Dado Machine (Ross's patent).....		100	Brough
d, Pin and Dowel Machine, 3 heads, ¾, ½ and ¼ in. “ “ 3 “ ¾, 1 and 1½ in.	50	25	Brougham
d, Pin and Dowel Machine, power feed and return motion, with 2 heads, takes in range of ¾ to 1½ in.	850	140	Browbeat

Weight.	Price.	Code.
105	\$ 100	Bray
100	110	Bread
100	150	Break
50	175	Breast
50	190	Breath
50	400	Breed
50	800	Breeze

inued

JEWELLERS' MACHINERY

Price.	Code.
\$15	Brown
160	Browae
75	Bruin
300	Bruise
500	Bruit
70	Brunette
90	Brunt
175	Brush
75	Brutal
45	Brute
375	Bubble
425	Buck
450	Bucket
500	Buckle
550	Buckler
600	Buckskin
50	Bucolic
150	Bud
250	Budge
235	Budget
90	Buff
110	Buffalo
125	Buffer
130	Buffet
100	Buffoon
110	Bug
100	Bugle
10	Build
50	Bulb
30	Bulge
40	Bulk
50	Bull
85	Bullet
35	Bulletin
80	Bullion
50	Bullock
35	Bullrush
75	Bulwark
00	Bump
00	Bumpkin
00	Bun
00	Bunch

No.	Size of Rolls	Weight	With Flat Rolls		Square Wire Rolls		One Flat and Ring Rolls	
			Price	Code	Price	Code	Price	Code
1	Inches	Lbs.	\$		\$		\$	
2	2 x 1	60	30	Devolve ...	35	Diadem ...	32 50	Diary
3	2 1/2 x 1	75	40	Devote ...	45	Diagram ...	42 50	Diastole
4	3 x 2	115	50	Devour ...	56	Dial ...	53 00	Dibber
5	3 1/2 x 2	130	60	Devout ...	68	Dialect ...	64 00	Dibble
6	4 x 2	165	75	Dewlap ...	85	Dialogue ...	80 00	Dice
7	Same as above, but back-geared	150	75	Dextrous ...	81	Diamond ...	78 00	Dick
8		170	85	Diabetes ...	93	Diaper ...	89 00	Dickey
9		200	100	Diabolic ...	110	Diaphragm	105 00	Dictate
10								

SINGLE ROLLS—for above.

No.	Ring Rolls	Price	Code	Wire Rolls	Price	Code
1	Half-Round	\$		Square	\$	
2	2 x 1	10	Dictator	2 x 1	20	Dietary
3	2 1/2 x 1	12	Diction	2 1/2 x 1	24	Differ
4	3 x 2	15	Didactic	3 x 2	30	Difficult
5	3 1/2 x 2	20	Diddle	3 1/2 x 2	40	Diffidence
6	4 x 2	25	Diet	4 x 2	50	Diffuse

POWER ROLLING MILLS (Flat Rolls)

No.	Size of Rolls	Weight	Price	Code
3	Inches	Lbs.	\$	
4	3 x 2 1/2	175	110	Dig
5	3 1/2 x 2 1/2	200	120	Digamma
6	4 x 2 1/2	225	135	Digest
7	4 1/2 x 3	560	225	Digit
8	6 x 4	1000	400	Digital

POLISHING LATHE HEADS

No.	Height	Length of Spindle	Dia. of Spindle	Weight	Price	Code
0	Inches	Inches	Inches		\$	
1	6	8	1		3	Digraph
2	6	10	1		4	Digress
3	6	13	1		5	Dike
4	9	22	1	25	14	Dilate

HAND OR FOOT-POWER DROP HAMMERS

No.	Weight of Hammer	Total Weight	Length of Uprights	Price	Code
1	Lbs.	Lbs.	Ft.	\$	
2	25	250	4	.60	Dilatory
3	50	800	5	120	Dilemma
4	100	900	5	180	Diligent
5	200	1000	5	150	Dili



POWER MILL.

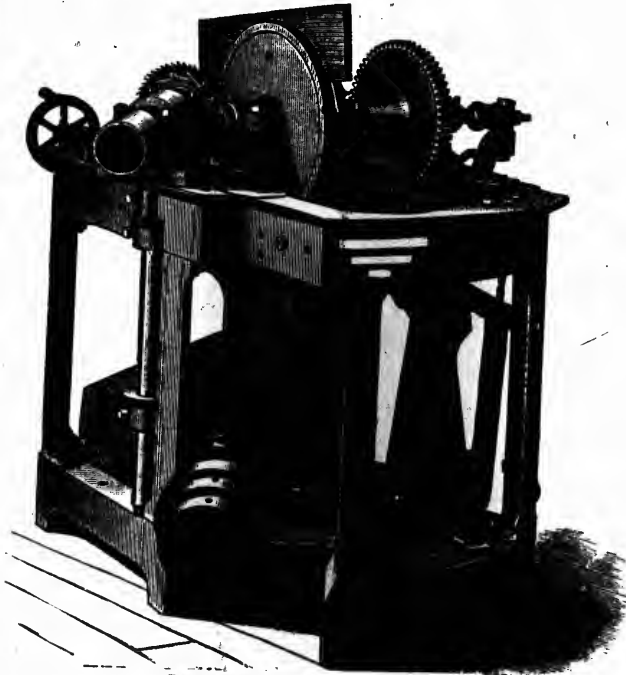
Power Attachment for any of the above Hammers, \$30.

SOHO MACHINE WORKS, TORONTO

hinery

Stave and Heading Machinery

(Circulars on application)



CENTENNIAL HEADING TURNER

Wt.	Price	Code
Lbs.	\$	
1923	300	Cake
960	140	Calamis
1200	140	Calash
1000	130	Calcine
600	95	Calcium
200	50	Calends
300	50	Calf
175	25	Calibre
444	35	Calico
610	50	Calid
591	50	Calix
850	125	Calk
700	125	Call
197	25	Callow

Prices.

(Application)

Price.	Code.
\$110	Calm
125	Calome
55	Caloric

MACHINES.	Weight (about)	Price	Code
Stave Cutter, 36-inch knife.....	1200	\$128	Caltrop
“ extras, connecting straps.....		6	Calumet
“ shaft, fly wheel, pulley and plummer blocks.....	800	88	Calve
Stave Jointer, foot-spring machine.....	350	70	Calvity
“ foot bed-raising machine.....	375	65	Calx
Stave Equalizer.....	320	65	Calyx
Stave Bolt Equalizer (2-28 inch saws).....	460	110	Cambric
Heading Saw (see Shingle Machinery).....			
Heading Planer, 16 inch and c. shaft.....	800	160	Canteo
Heading Turner, wood frame, iron mounted.....	530	125	Camlet
“ iron frame.....	375	75	Camp
“ iron frame, Centennial.....	900	250	Campaign

Heading Jointer (see Shingle Machinery), opposite page.

SOHO MACHINE WORKS, TORONTO

Veneer Machinery

I control the patterns, and manufacture to order heavy, substantial Veneer machines, suitable for cutting cheese-box material and Veneer from $\frac{1}{4}$ to $\frac{3}{4}$ of an inch thick. Can arrange the capacity of the machine to suit the work required, cutting from 3ft. to 6ft. long. The machine is built on a heavy oak timber frame, solidly tenoned and bolted together. Iron work fitted on, complete, and making one of the most substantial Veneer machines manufactured on the continent. I have quite a number in use, and can furnish good references as to the ability of the machine.

MACHINE	Price	Code
Price for the 6-ft. machine, complete, free on board cars at Toronto	\$650	Canine

Hoop Machinery *(Send for Special Catalogue)*

MACHINES	Price	Code
Two-Saw Hoop Bolter	\$110	Canker
Hoop Re-Sawing Machine	95	Canon
Hoop Pointing and Scarfing Machine	60	Cannot
Double Hoop Planer	130	Canny
Hoop Coiling Machine	90	Canoe

Stone and Ore Crushers

Farrel & Marsden Patterns. Send for Circulars

No.	Size, or Receiving Capacity	Approximate product per hour, in cubic yards.	Weight of Heaviest Piece	Total Weight	Horse Power Required	Cash Price delivered on Board	Code
1	Inches 3x1 $\frac{1}{2}$	.....	Lbs. 40	Lbs. 100	.....	\$ 50 00	Canopy
2	6x2	1	560	1200	.....	180 00	Cant
3	10x4	3	1800	4900	4	330 00	Canteen
4	10x7	5	3800	7800	7	600 00	Canticle
5	15x9	8	6800	14500	10	900 00	Canto
6	15x10	9	7300	15000	12	975 00	Canvass
7	20x6	10	4800	11000	14	780 00	Cap
8	20x10	10	7700	17000	14	1300 00	Cape
9	18x24	.....	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	.....	.....	.....

ery

Wood-Yard and Cordwood Machinery

(Circulars on Application)

HILDRETH'S PATENT



heavy, substantial Venetian
 pier from 3/4 to 1 of an
 suit the work required.
 heavy oak timber frame,
 complete, and making
 ed on the continent.
 ces as to the ability of

Price	Code
\$650	Canine

(catalogue)

Price	Code
\$110	Canker
95	Cannon
60	Canot
.130	Canny
90	Canoe

r Circulars

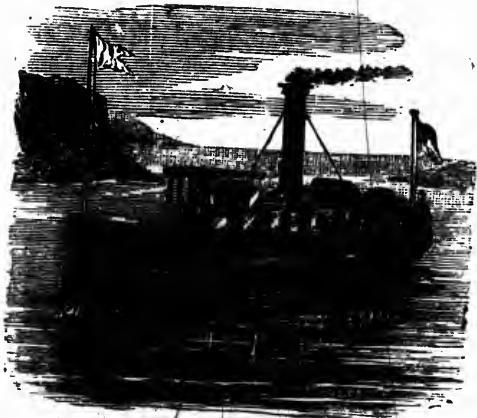
Code
Canopy
Cant
Canteen
Canticle
Canto
Canvass
Cap
Cape

No.	MACHINE	Weight (about)	Price	Code
E. single	Wood Splitter, 24 in. long, 400 balance wheel	1500	\$175	Caper
E. double	Wood Splitter, with tables for 17 and 24 in. 500 balance wheel	1800	250	Capsule
	Saw Table with Swinging Cradle. 28 in. Saw	800	75	Captain
12 horse	Portable Engine and Boiler on wheels, suitable for wood-yard; second-hand, but refitted; any good maker	4500	400	Captor
do.	New. See list, page 33			
	Drag Saw, complete	1200	130	Car
	Cordwood Splitter, complete	5000	600	Carbon

SOHO MACHINE WORKS, TORONTO

Marine Engines and Boilers

(Catalogue on application)



UPRIGHT ENGINES						BOILERS TO MATCH						
Horse Power	Cylinder		Weight (about)	Price with Shaft, Wheel and Bearings.	Code	Horse Power	Shell		Style	Weight (about)	Price with Fittings	Code
	Bore	Stroke					Dia.	Length				
3	4	4	750	\$150	Casement	2	22	38	Upright	330	\$130	Caree
4	4	6	850	200	Caseous	4	30	40	Clyde..	775	250	Caree
5	5	6	950	240	Cashier..	6	36	44	Upright	580	160	Caree
6	6	6	1000	280	Cask	6	30	44	Clyde..	1100	300	Caree
8	6 1/2	8	1200	310	Casket ...	8	36	48	Upright	1040	190	Caree
10	7	9	1800	380	Cassock..	9	36	48	Clyde..	1200	320	Caree
16	8	8	1500	420	Cast.....	9	40	50	Upright	1190	220	Caree
20	9	9	1900	560	Caster....	10	40	50	Clyde..	1500	850	Caree
25	9	12	2100	620	Castle ...	10	44	56	Upright	1830	250	Caree
25	10	10	2300	700	Cat.....	12	42	58	Clyde..	1580	400	Caree
30	11	12	2700	850	Catch....	16	48	68	Upright	1700	290	Caree
35	12	12	3000	875	Cater....	16	48	72	Clyde..	2200	475	Caree
40	12	14	4000	1250	Catmint..	20	54	78	Upright	2600	340	Caree
45	13	14	4800	1400	Cattle....	25	60	78	Clyde..	4900	560	Caree
50	14	16	6500	1750	Cause....	30	66	84	"	4900	700	Caree
55	16	18	7500	2000	Caution..	35	72	84	"	5600	850	Caree
65	16	18	9500	2300	Cave.....	40	72	108	"	6300	875	Caree
72	18	18	10500	2550	Cavil....	45	76	120	"	7000	1250	Caree
75	18	20	12000	2800	Caw....	50	80	132	"	7900	1350	Caree
85	20	20	15000	3150		55	80	144	"	8600	1650	Caree
										9900	2200	Caree
						75	96	144	"	10800	2600	Caree
						85	102	156	"	18000	2950	Caree

See page 125 for Marine Supplies.

and Boilers



Tubular Boilers

Made of Dalszell Steel, Double Riveted by Hand, at Horizontal Seams—Properly Stayed and Tested.

SHELL		TUBES			Fixtures, Etc., Etc.	Weight	Net Cash Prices	Code
Dia.	Length	No.	Dia.	Length				
In.	Feet		In.	Feet	Either full front or saddle front. The latter recommended and preferred. Grate bars (coal or wood), safety valve, steam gauge, gange cocks, flash water gauge, blow-off cock and ash pit door and frame.	Lbs.	\$	
30	10	22	3	10		3800	280	Cease
36	10	32	3	10		4800	325	Cedar
42	10	38	3	10		6100	375	Cede
45	10	42	3	10		6600	385	Ceiling
45	12	42	3	12		7000	420	Ceily
48	12	52	3	12		9000	450	Cellar
54	12	64	3	12		10850	660	Celtic
54	14	54	3½	14		11200	690	Cement
60	12	76	3	12		12200	750	Censor
60	14	68	3½	14		13600	785	Censure
60	16	56	4	16		14100	820	Census
66	14	76	3½	14		16000	900	Cent
66	16	70	4	16		16450	950	Central
72	14	96	3½	14		18000	1050	Centre
72	16	86	4	16	18500	1125	Century	

ERS TO MATCH

Style	Weight (about)	Price, with Fittings	Code
bright	330	\$130	Caree
de..	775	250	Caree
bright	580	180	Carefe
de..	1100	300	Carefe
bright	1040	190	Card
de..	1200	320	Cargo
bright	1190	220	Carib
de..	1500	350	Carna
bright	1530	250	Carele
de..	1850	400	Carele
bright	1700	290	Carna
de..	2200	475	Carno
bright	2600	340	Carou
de..	4800	560	Carou
bright	4900	620	Carri
de..	4900	700	Carri
bright	5600	850	Carri
de..	6800	875	Carro
bright	7000	1250	Carry
de..	7900	1350	Cart
bright	8000	1650	Carta
de..	9900	2200	Cartri
bright	10800	2600	Casca
de..	18000	2950	Case

Locomotive Boilers

(ON SKIDS)

	8	10	12	16	20	25	30	35	40
Power.....	26 in.	28 in.	30 in.	30 in.	32 in.	34 in.	36 in.	40 in.	40 in.
meter of Boiler	33	36	36	36	36	48	48	48	60
gth of Furnace	21	22	25	25	27	29	31	35	35
th of Furnace	29	33	35	35	35	37	40	43	43
ght of Furnace	25	30	36	46	51	40	40	48	56
umber of Tubes	2	2	2	2	2	2½	2½	2½	2½
meter of Tubes	60	60	66	72	78	96	96	96	120
gth of Tubes..	11	11	11	11	14	16	18	20	20
meter of Stack	18 ft.	20 ft.	20 ft.	20 ft.	20 ft.	24 ft.	24 ft.	30 ft.	35 ft.
ght of Stack..	9	9	10	10½	11	13½	13½	14	16½
Boiler over all	28	34	37	41	46	56	66	78	87
ght in Cwts..	Cerate	Cereal	Certain	Ceruse	Cess	Cest	Cestus	Cesura	Chafe
ce, complete...	\$390	\$480	\$630	\$580	\$640	\$700	\$800	\$900	\$1000

SOHO MACHINE WORKS, TORONTO

Hydraulic Engines

Six sizes of engines are built, and are designated by their diameters. The two-inch is adapted to the requirements of the smallest chamber organ, while the seven-inch, at the average water pressure, will be found sufficient to supply wind to the largest concert instrument. The two-inch requires a floor space of 7 x 10 inches, while the seven-inch occupies 16 x 18 inches. The former stands 18 inches high, and the latter 30 inches high. The intermediate sizes are in proportion.



Diameter	Stroke	Square inches of Piston	Supply Pipe	Waste Pipe	Price	Code
2 in.	9 in.	3 in.	$\frac{3}{4}$ in.	1 $\frac{1}{2}$ in.	\$60 00	
3	12	7	1	1 $\frac{1}{2}$	115 00	
4	12	12 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	145 00	
5	14	19 $\frac{1}{2}$	1 $\frac{1}{2}$	2	185 00	
6	16	28 $\frac{1}{2}$	2	2 $\frac{1}{2}$	235 00	
7	18	38 $\frac{1}{2}$	2 $\frac{1}{2}$	3	300 00	

Hoisting Engines and Boilers

(See Specifications, page 29)

No.	PRICE LIST				Code (Add \$ to code word if wheels are required)
	Single Cylinder Single Drum	Double Cylinder Single Drum	Double Cylinder Double Drum	Dock Wheels Extra	
1	\$	\$	\$	\$ 40	Chaff
2	675			50	Chagrin
3	750			60	Chain
4	850	850		60	Chainer
5		1000		60	Chair
6		1250		75	Chaise
7			950	50	Chalk
8			1100	60	Cherub
9			1350	75	Chest
10				40	Chew
11	425			50	Chick
12	475			60	Chide
13	650			50	Chief
14		575		60	Child
15		675		75	Chime
		800			

No.	Horse Power
1	8
2	12
3	15
4	24
5	16
6	30
7	16
8	24
9	30
10	8
11	12
12	15
13	16
14	24
15	30

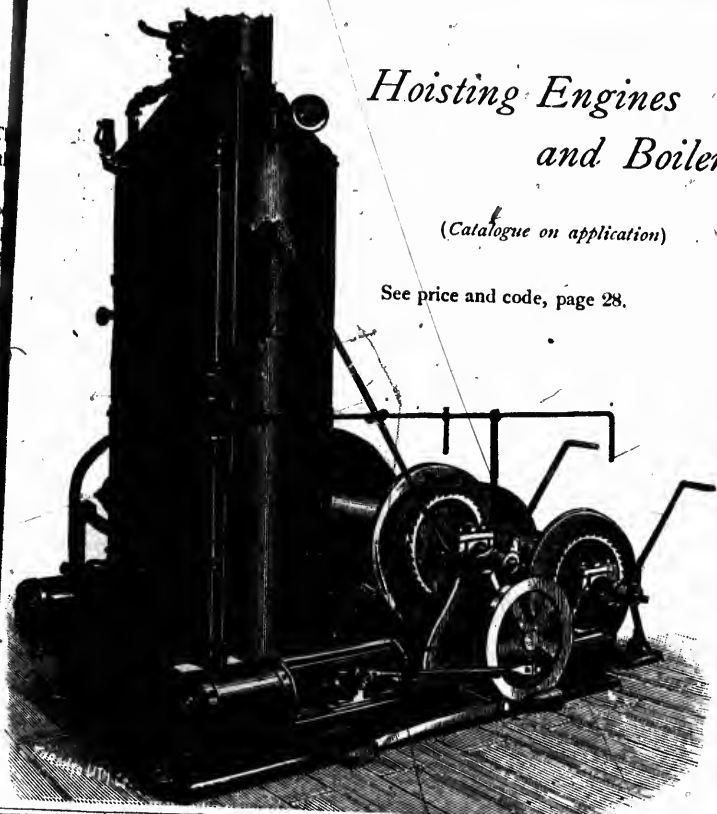
ines

by their diameters. T
chamber organ, while t
ufficient to supply wind
two-inch requires a flo
ven-inch occupies 16 x
s high, and the latter
re in proportion.

Hoisting Engines and Boilers

(Catalogue on application)

See price and code, page 28.



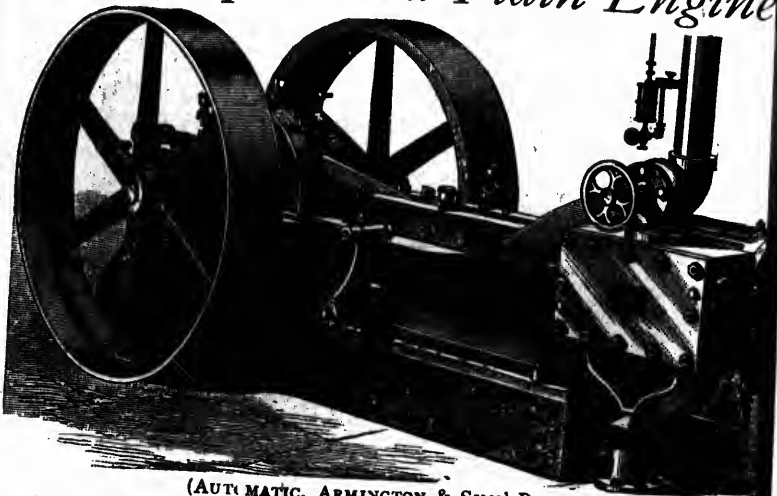
	Price	Code
in.	\$60 00	
	115 00	
	145 00	
	185 00	
	235 00	
	300 00	

Boilers

Code	(Add s to code word if wheels are required)
Lock	
Wheels	
Extra	
\$ 40	Chaff
50	Chagrin
60	Chain
50	Chainer
60	Chair
75	Chaise
50	Chalk
60	Cherub
75	Chest
40	Chew
60	Chick
50	Chide
70	Chief
30	Child
75	Chime

No.	Horse Power	Cylinder	Dimensions of Drums		Dimensions of Boilers.			Suitable for Pile-driving Hammer.	Shipping Weight
			Dia. Body	Length between Flanges	Dia.	Height	No. of 2-inch Tubes		
		In.	In.	In.	In.		Lbs.	Lbs.	
1	8	6½ x 8	10	20	30	68	44	1250	3750
2	12	7 x 12	12	20	36	72	70	1800	4600
3	15	8 x 12	14	24	36	84	70	2800	6500
4	16	8½ x 8	14	24	36	72	70	2000	6300
5	24	7 x 12	14	24	40	84	90	4000	8500
6	30	8 x 12	16	30	44	86	115	6000	10000
7	16	6½ x 8	14	24	36	72	70	.....	7000
8	24	7 x 12	14	24	40	84	90	.....	8500
9	30	8 x 12	16	30	44	86	115	.....	12000
10	8	6½ x 8	10	20	No boiler			1250	1700
11	12	7 x 12	12	20	"			1800	2200
12	15	8 x 12	14	24	"			2800	4000
13	16	6½ x 8	14	24	"			2000	2500
14	24	7 x 12	14	24	"			4000	3000
15	30	8 x 12	16	24	"			6000	5500

High-Speed and Plain Engine



(AUTOMATIC, ARMINGTON & SIMS' PATTERN)

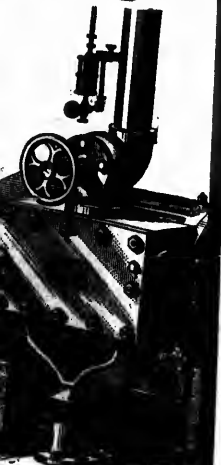
H. P.	CYLINDER		Speed	PULLEYS			Weight	Price	Code
	Bore	Stroke		Dia.	Face	No.			
16	In. 6½	In. 8	240	In. 36	In. 8	2	2100	350	Charge
36	9½	12	230	48	12	2	4500	600	Chariot
50	11	14	200	54	12	2	7000	750	Charity

PLAIN SLIDE-VALVE STATIONARY ENGINES

Horse Power	CYLINDER		PULLEY		Style of Valve	Style of Frame	Speed	Weight (about)	Net Cash Prices	Code
	Bore	Stroke	Dia.	Face						
80 lbs. steam	In.	In.								
6	5½	7	28	5	Slide	Self contained	180	1200	\$ 240	Chamber
9	6	10	36	6	"	Square	180	1400	255	Chamois
12	7	10	42	6	"	Sq. or Corliss	180	1700	270	Champ
16	8	12	48	8	"	"	180	2400	295	Champion
20	9	12	54	9	"	"	180	2600	320	Chance
24	10	12	54	10	"	"	180	2800	345	Chancery
28	10	14	60	10	"	"	175	3550	360	Chandler
34	11	14	66	12	"	"	175	4000	400	Change
38	12	14	72	14	"	"	175	4700	485	Channel
45	13	16	84	15	"	"	160	5800	550	Chant
48	13	18	84	15	"	"	160	6500	625	Chaos
55	14	16	84	16	"	"	150	8000	655	Chap
60	14	18	84	16	"	"	150	9000	700	Chaplet
85	15	18	84	18	"	"	140	10000	800	Chapman
75	16	20	90	18	"	"	140	13000	850	Chapter
85	17	20	90	18	"	"	125	14500	900	Char
100	18	20	96	18	"	"	125	16500	1200	Charade
125	20	24	96	20	"	"	110	18000	1400	Charcoal

Reynolds-Corliss Engines

m Engine



Weight	Price	Code
100	350	Charge
500	600	Chariot
1000	750	Charity

ENGINES

ht (t)	Net Cash Prices	Code
\$		
240	Chamber	
255	Chamois	
270	Champ	
295	Champion	
320	Chance	
345	Chancery	
360	Chandler	
400	Change	
485	Channel	
550	Chant	
625	Chaos	
655	Chap	
700	Chaplet	
800	Chapman	
850	Chapter	
900	Char	
1200	Charade	
1400	Charcoal	

REYNOLDS-CORLISS ENGINES

Reynolds-Corliss Engines
(Catalogue on Application)

Horse Power	CYLINDER		FLY-WHEEL		PIPING		WEIGHT		SPACE		Price	Code
	Diameter	Stroke	Diameter	Face	Steam	Exhaust	Engine	Fly Wheel	Centre of Shaft to End of Cylinder	Height of Shaft from Floor		
28	10	24	14	14	2	3	4500	2000	12	0	20	Chin
35	11	28	14	14	3	4	5000	2500	13	0	25	Chink
45	12	28	16	16	3	4	6000	3500	13	9	25	Chip
55	13	30	16	16	3	5	7000	4800	13	6	25	Chirp
65	14	32	16	16	3	5	7500	5500	14	9	25	Chisel
70	14	36	18	18	4	5	8500	6000	14	9	25	Chit
80	15	36	18	18	4	6	9000	7000	15	3	26	Chock
100	16	38	20	20	4	6	10000	8000	15	3	27	Choice
140	18	42	24	24	5	7	12000	9000	18	4	29	Choir
180	20	42	24	24	6	7	16000	12000	18	6	30	Chop

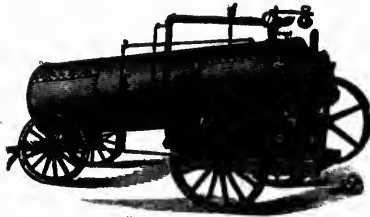
Engines quoted above are Standard Sizes, but the length of stroke, diameter and face of Fly-Wheel can be altered to suit the convenience of purchasers. Engines above 180 H.P. are subject to special quotations.

SOHO MACHINE WORKS, TORONTO

"Monarch" Portable Boilers and Engine

Circulars on Application

Mumford's Patent.



This is a first-class Portable Boiler easily handled; roomy firebox, with good circulation and a great steaming capacity. Fully guaranteed.

Horse Power	Price, on Wheels	Code	Price, on Skids	Code	Price, Boiler only on Skids	Code
5	\$515	Chub	\$430	Cinder	\$230	Civic
10	555	Chuck	480	Cipher	280	Clack
15	815	Chuff	740	Circle	400	Clad
20	1055	Chum	980	Circuit	500	Claim
25	1155	Chump	1080	Circus	600	Clam
30	1255	Churl	1180	Cirrus	700	Clamp
35	1475	Churn	1400	Cist	800	Clan
40	1575	Chyle	1500	Citric	900	Clang
50	1850	Chyme	1750	Citron	1000	Clank
60	2100	Cider	2000	City	1100	Clap
75	2200	Cigar	2100	Civet	1200	Claret

The New "Otto" Silent Gas Engine

SAFETY! CONVENIENCE! ECONOMY!

Started instantly with a match. Always ready to give out its full power at once. Expense ceases when engine stops. No boiler, no gauges, no coal, no fires, no steam, no pumps, no explosions, no danger, no ashes, no engineer, no extra insurance, no unpleasant heat, almost no attendance. Where power is required at intervals it is the cheapest motor known. Over 10,000 in use.

MACHINE	Price	Code
2 Horse Power, complete	\$400	Clarion
4 " " "	575	Clash
7 " " "	765	Clasp
10 " " "	965	Class

and Engine "Western Empire" Portable
Engines and Boilers

rs on Application

nford's Patent.

st-class Portable Boiler
; roomy firebox, with
on and a great steamer
ed.

Price Boiler only on Skids	Code
\$230	Civic
280	Clack
400	Clad
500	Claim
600	Clam
700	Clamp
800	Clan
900	Clang
1000	Clank
1100	Clap
1200	Claret



(No. 3, 4 AND 5)

PRICE LIST AND DIMENSIONS

s Engine

MY!

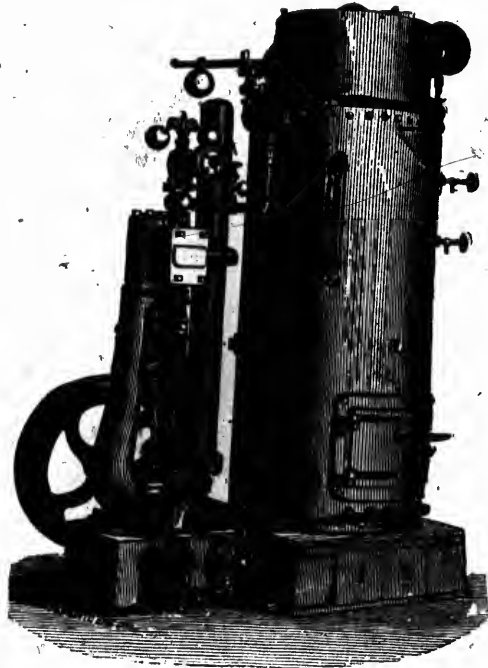
its full power at once
no coal, no fires, no
neer, no extra insur
power is required a

Price	Code
00	Clarion
75	Clash
65	Clasp
65	Class

No.	Horse Power	CYLINDER		BOILER		PULLEY		Speed— From 175 to	Weight	Price	Code
		Bore	Stroke	Length	Dia.	Dia.	Face				
.....	12 to 14	7½	12	120	30	48	7	210	5000	800	Claw
.....	16 to 18	8	12	136	30	48	7	210	5500	950	Clear
.....	20 to 24	10	14	139	36	66	12½	220	8000	1200	Clerk
.....	25 to 30	11	14	139	38	66	12½	225	8500	1350	Clerk
.....	30 to 35	12	14	139	40	66	12½	225	9000	1600	Client
.....	12	7½	12	120	30	44	7½	210	8500	1100	Clift
.....	16	8	12	136	30	44	7½	220	9000	1200	Clime

SOHO MACHINE WORKS, TORONTO

Vertical Engines and Boilers



PRICE LIST. (See next page for Specifications.)

No.	Boilers with Fittings	Code	Engines with Fittings	Code	Complete ^s Rigs	Code
1	\$145	Clot	\$122	Clump	\$278	Cocoo
2	165	Cloud	148	Clumsy	345	Cod
3	180	Clout	172	Coach	395	Codle
4	200	Clove	195	Coal	445	Coffin
5	225	Clown	225	Coarse	545	Cogent
6	265	Club	300	Coax	610	Cognac
7	325	Cluck	350	Cobweb	710	Cohere
8	400	Clue	400	Cockle	875	Cohort

Price of Engines includes Governor, Oil Cups, Drain Cocks, Fly Wheel Pulley, Starting Valve and Lubricator and two Wrenches.

Price of Boiler includes Steam Gauge, Gauge Cocks, Glass Water Gauge, Safety Valve, Blow-off Pipe and Cock, Check Valve, Grates, Boiler Base and Smoke-boiler.

The complete and connected Engines and Boilers include all the above fittings and also a pump or inspirator.

nd Boiler

DUTY VERTICAL ENGINES AND BOILERS

Table of Dimensions, Weights, Etc.



Specifications.)

Complete Rigs	Code
\$278	Cocoa
345	Cod
395	Codle
445	Coffin
545	Cogent
610	Cognac
710	Cohere
875	Cohort

in Cocks, Fly Whe

s Water Gauge, Safe
Base and Smoke-bo
all the above fitting

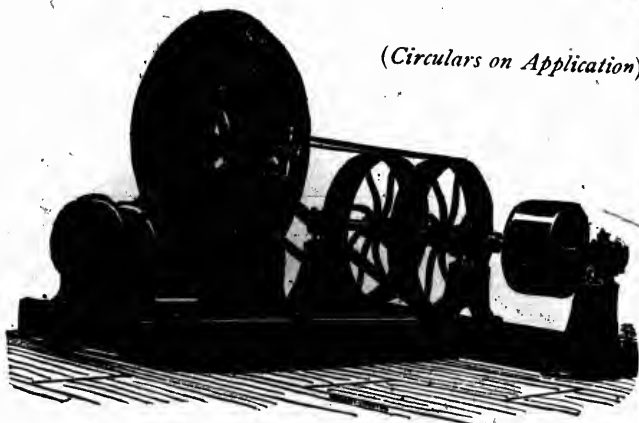
No.	ENGINE				BOILER							COMBINED ENGINE AND BOILER	
	Horse Power	Diameter of Cylinder	Stroke	Revolutions per Minute	Diameter of Shell	Length of Shell	Number of Tubes	Size of Tubes	Length of Tubes	Square Feet of Heating Surface	Floor Space Occupied	Height over all	Weight
	In.	In.	In.		In.	In.		In.	In.		In.	In.	Lbs.
1	3	4	4	200	24	48	24	2	31	51	26x48	65	1200
2	4	4	6	180	26	60	37	2	40	72	30x50	80	1600
3	5	5	6	180	30	60	44	2	36	80	34x60	80	2000
4	6	5½	7	160	30	66	44	2	41	85	34x60	87	2700
5	8	6½	8	160	34	72	60	2	46	125	36x70	93	3300
6	10	7	9	150	37	72	70	2	46	162	40x72	96	4000
7	13	8	8	150	40	84	90	2	52	207	44x84	106	4800
8	15	9	9	140	44	84	110	2	52	252	48x90	106	5500

See page 24 for Prices.

SOHO MACHINE WORKS, TORONTO

B. F. Sturtevant's Steel Pressure Blower

(Circulars on Application)



For Cupola Furnaces and Forges. On Adjustable Bed with Combined Countershaft, if so ordered.

Number of Blower	BLOWER				PRICES AND CODES				
	Dia. of Outlet	PULLEY		PRICE Blower without Bed	Code	PRICE Blower with Bed	Code	PRICE Blower with Bed and Count. Shaft	Code
		Diameter	Face						
0000	2 1/2	1 1/2	1 1/2	\$16 50	Coif				
00	3 3/8	2 1/2	1 3/4	22 00	Coil				
0	4 1/2	3 3/8	2 1/2	29 00	Coin				
1	4 3/4	3 3/4	2 3/4	40 00	Coke				
2	5 1/4	3 3/4	2 3/4	49 00	Cold				
3	6 1/8	4 1/2	3 1/2	61 00	Colic				
4	7 3/8	4 3/4	3 3/4	77 00	Colon	\$115			
5	8 1/2	5 1/2	3 3/4	100 00	Color	150	Cone	\$155	Contour
6	10 1/2	6 3/4	4 1/2	227 00	Column	193	Conge	200	Control
7	11 3/4	7 1/2	5 1/2	200 00	Coma	300	Congest	255	Convene
8	13 3/4	9	6 3/4	250 00	Comb	375	Conic	400	Convex
9	16	10	7 3/4	380 00	Combine	540	Conquest	500	Convey
10	18 3/4	12	9 3/4	500 00	Comedy	750	Conscript	715	Convoy
							Consent	1000	Cony

Nos. 0000 to 3, inclusive, are built with one pulley, and Nos. 4 to 10, inclusive, have two pulleys and are run by two belts. When one pulley only is used it is placed on the right hand, as one faces the outlet, and the blower is designated as Right Hand. When desired, the smaller sizes can be fitted with two pulleys.

Nos. 4 to 10, inclusive, are furnished with adjustable bed, or with combined adjustable bed and countershaft, when so ordered.

Polis
Buffi
artic

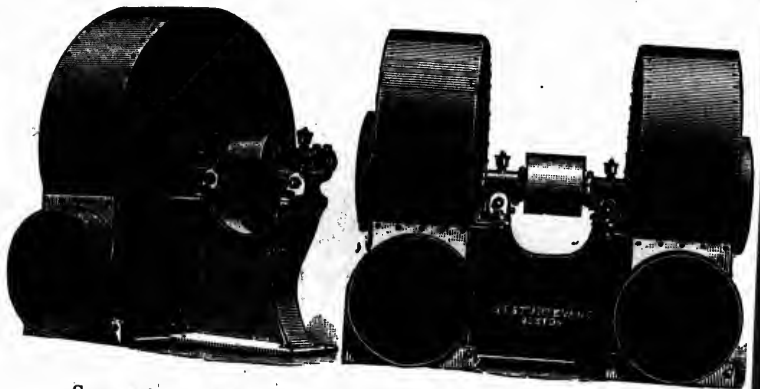
No. of Blower
or
Exhauster

00
0
1
2
3
4
5
6
7
8
9
10

N
built
state w

B. F. STURTEVANT'S
Steel Plate Exhausting Fans

(Circulars on application)



SINGLE EXHAUSTER

DOUBLE EXHAUSTER

Exhauster	Height	Diameter of		Speed for		PULLEYS		Price	Code
		Inlet	Outlet	Ordinary Work	Heavy Work	Diameter	Face		
Single	In.	In.	In.					\$	
"	30	11½	11½	2200	2600	5½	4½	49	Corb
"	35	13½	13½	1800	2200	6	5½	61	Corban
"	40	15	15	1600	1900	6½	6½	77	Cord
"	45	17	17	1475	1750	7½	7	100	Cordon
"	50	19	19	1300	1550	8½	7½	127	Core
"	55	20½	20½	1200	1450	9½	8	165	Corf
"	60	22½	22½	1100	1300	10½	8½	205	Cork
"	70	26	26	950	1100	12	9½	275	Cormus
"	80	30	30	800	950	14	12½	360	Cornea
Double	In.	In.	In.						
"	30	11½	11½	2200	2600	6	6	88	Cornet
"	35	13½	13½	1800	2200	7	7	100	Corsair
"	40	15	15	1600	1900	8	8	127	Corset
"	45	17	17	1475	1750	9	9	165	Cosey
"	50	19	19	1300	1550	10	10½	220	Cosmos
"	55	20½	20½	1200	1400	11	11	275	Couch
"	60	22½	22½	1100	1300	12	11½	330	Count

ing Fans



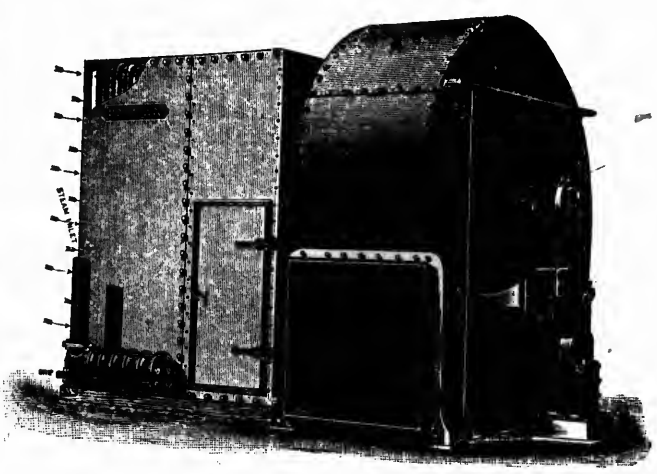
AUSTER

Price	Code
\$ 49	Corb
61	Corban
77	Cord
100	Cordon
127	Core
165	Corf
205	Cork
275	Cormus
360	Cornea
88	Cornet
100	Corsair
127	Corset
165	Cosey
220	Cosmos
275	Couch
330	Count

B. F. Sturtevant's

HOT BLAST

Steam Heating Apparatus



COMBINED STEAM FAN AND HEATER

FOR HEATING FACTORIES AND BUILDINGS:

When writing for information respecting heating, give sketch showing size of building; location of boiler; proposed location of heater; if engine will be required, and such other information as you may be able to give.

For Ventilating and Heating Combined. (See Memoranda above.)

FOR DRYING LUMBER, ETC.

When writing for information, give location of boiler in factory; proposed location of kiln, heater, etc.; quantity of material per day required; whether fan is with or without engine; if kiln is to run night and day; if exhaust or live steam is to be used; if factory is to be heated at same time by same apparatus. Give full particulars.

See over for specifications. Keep close to them.

SOHO MACHINE WORKS, TORONTO

Sturtevant's Progressive Lumber Dry Kilns

(Catalogue on Application)

Size of Dry Kiln		FOR EITHER TWO OR THREE TRACKS IN KILN										FOR TWO TRACKS IN KILN				
		Size of Fan House	Holding Capacity of Kiln	Size of Engine Cylinders of Steam Fan	Capacity of Heating Apparatus	STEAM TRAP		NUMBER OF			Wire Rope (in Feet)	NUMBER OF				
Air	Return					Lumber Trucks	Shelve Pulley	Spindle	Truck Wheels	Truck Spindles		Half Boxes	Boils & Nuts with Washers	12 lbs. T Rail (in Feet)		
Ft.	22x17x9	12x8	12000	2 1/2 x 3	1000	1 No. 1	5	8	8	85	20	20	40	40	84	
	43x17x9	13x8	24000	3 x 4	1750	1 No. 1	8	8	8	85	32	32	64	64	126	
Ft.	64x17x9	14x9	36000	3 1/2 x 5	2250	1 No. 2	11	8	8	85	44	44	88	88	168	
	85x17x9	14x9	48000	4 x 6	2625	1 No. 2	14	8	8	85	56	56	112	112	210	
Ft.	22x17x9	13x8	24000	3 x 4 1/2	1750	1 No. 1	10	16	16	170	40	40	80	80	168	
	43x17x9	14x9	48000	4 x 6	2625	1 No. 2	16	16	16	170	64	64	128	128	252	
Ft.	64x17x9	15x10	72000	4 1/2 x 6 1/2	3375	1 No. 3	22	16	16	170	88	88	176	176	336	
	85x17x9	17x12	96000	5 x 7 1/2	4840	1 No. 4	28	16	16	170	112	112	224	224	420	
Ft.	22x17x9	14x9	36000	3 1/2 x 5 1/2	2250	1 No. 2	15	24	24	255	60	60	120	120	252	
	43x17x9	15x10	72000	4 1/2 x 6 1/2	3375	1 No. 3	24	24	24	255	96	96	192	192	378	
Ft.	64x17x9	17x12	108000	5 x 7 1/2	4840	1 No. 4	33	24	24	255	132	132	264	264	504	
	85x17x9	20x14	144000	6 x 9	6160	1 No. 4	42	24	24	255	168	168	336	336	630	
Ft.	22x17x9	14x9	48000	4 x 6	2625	1 No. 2	20	32	32	340	80	80	160	160	336	
	43x17x9	17x12	96000	5 x 7 1/2	4840	1 No. 3	32	32	32	340	128	128	256	256	504	
Ft.	64x17x9	20x14	144000	6 x 9	6160	1 No. 4	44	32	32	340	176	176	352	352	672	
	85x17x9	22x20	192000	7 x 10 1/2	7925	2 No. 3	56	32	32	340	224	224	448	448	840	
Ft.	22x17x9	24x20	240000	8 x 12	9675	2 No. 4	70	40	40	425	280	280	560	560	1050	
	43x17x9	26x22	388000	8 x 16	10750	3 No. 4	84	48	48	510	336	336	672	672	1260	
Ft.	64x17x9	28x26	384000	8 x 20	14515	3 No. 4	112	64	64	680	448	448	896	896	1680	
	85x17x9	36x28	480000	10x20	18495	3 No. 4	140	80	80	880	560	560	1120	1120	2100	

Blue Print Drawings and Specifications will be furnished for each requirement

A. R. WILLIAMS

Single
Double
Triple
Quad.
Lumber
Transfer
Sheive
Steel T
T Rail S
Return S

Dry Kilns

STURTEVANT'S Progressive Lumber Dry Kiln Outfits

(See folio opposite for specifications)

PRICE LIST (f. o. b. Toronto)

5000	46	2625	2 No. 3	70	40	40	280	560
96000	5	4840	2 No. 4	84	48	510	336	672
144000	6	6160	3 No. 4	112	64	680	448	896
192000	7	7525	3 No. 4	140	80	850	560	1120
240000	8	9675	2 No. 4	140	80	850	560	1120
288000	8	10750	2 No. 4	140	80	850	560	1120
384000	8	14515	3 No. 4	140	80	850	560	1120
480000	10	18495	3 No. 4	140	80	850	560	1120
43x17x9	5	24x20	55x17x9	5	560	280	560	1120
64x17x9	6	26x22	85x17x9	6	672	336	672	1344
85x17x9	8	32x26	85x17x9	8	896	448	896	1792
85x17x9	10	36x28	85x17x9	10	1120	560	1120	2240

		For either two or three Tracks in Kiln						For two Tracks in Kiln						
Size of Dry Kiln	Fan	Fan		Heater	Air Steam Trap	Wire Rope	Sheive Sets	Truck Sets		Price		Code	Price	Code
		With Engine	Without Engine					Truck Sets	Rails and Spikes	With Engine	Without Engine			
Single	Ft.	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
	22x17x9	240	110	220	33	9	15	43	12	572	Couple	442	Crave	
	43x17x9	300	140	380	33	9	15	69	18	824	Coupon	664	Crawl	
	64x17x9	360	180	490	42	9	15	95	24	1035	Courser	855	Cream	
	85x17x9	480	240	580	42	9	15	121	30	1277	Cousin	1037	Crease	
Double	22x17x9	300	140	380	33	18	30	86	24	871	Cove	711	Creed	
	43x17x9	480	240	580	42	18	30	138	36	1324	Covet	1084	Creek	
	64x17x9	600	300	740	60	18	30	189	48	1685	Cower	1385	Creel	
	85x17x9	720	425	1050	78	18	30	241	60	2197	Cowl	1902	Creep	
Triple	22x17x9	360	180	490	42	27	45	129	36	1129	Cowry	949	Cress	
	43x17x9	600	300	740	60	27	45	206	54	1742	Coy	1442	Crest	
	64x17x9	720	425	1050	78	27	45	284	72	2276	Crab	1981	Crew	
	85x17x9	1080	660	1330	78	27	45	361	90	3011	Crack	2591	Crib	
Quad- ruple	22x17x9	480	240	580	42	36	60	172	48	1418	Cradle	1178	Crick	
	43x17x9	720	425	1050	78	36	60	275	72	2291	Craft	1996	Crime	
	64x17x9	1080	660	1330	78	36	60	378	96	3058	Crag	2638	Crimp	
	85x17x9	1500	840	1625	120	36	60	482	120	3943	Cram	3283	Cringe	
5	85x17x9	1800	1080	2100	156	45	75	602	150	4928	Crane	4208	Crisis	
6	85x17x9	1800	840	2330	156	54	90	722	180	5332	Crank	4372	Crisp	
8	85x17x9	2100	1020	3150	235	72	120	963	240	6880	Crape	5800	Croak	
10	85x17x9	2700	1200	3980	235	90	150	1204	300	8665	Crass	7165	Crock	

Lumber Trucks (wheel with spindle, boxes, bolts and washers)	Price.	Code.
Transfer Trucks	\$2.15 per set.	Crocus
Sheive Pulleys	5.50	Croft
Steel T Rails, 12 lbs. to the yard	1.50	Crone
T Rail Spikes, \$5.00 per 100 lbs.	55.00 per ton.	Crook
Fish Plates, \$6.00 per 100 lbs.		

Return Steam Traps, see page 54.

SOHO MACHINE WORKS, TORONTO

Sturtevant's Blast Wheels

(Price includes Wheel, Shaft, Boxes and Pulley)

Dia. of Wheel	Dia. of Inlet		Dimensions of Blades			Price	Code
	Blower	Exhauster	Extreme Length (Width of Fan)	Length at tip	Width		
Feet	In.	In.	In.	In.	In.	\$	
3	22½	25	18	15	7½	90	
4	30	34½	24	20	10	120	Cross
5	37½	42	30	25	12½	180	Croup
6	45	51½	36	30	15	240	Crown
7	52½	60	42	35	17½	300	Crude
8	60	68½	48	40	20	360	Cruet
9	67½	77	54	45	22½	420	Crumb
10	75	85½	60	50	25	480	Crunch
12	90	102½	72	60	30	660	Cruse
14	105	120	84	70	35	840	Crust
15	112½	128½	90	75	37½	960	Crypt

NOTE.—B. F. Sturtevant's lines of manufacture embrace—in great variety—all the appliances for pressure and exhaust blowing, dry kiln and factory heating, ventilation, etc. He issues special catalogues for each department, as well as a general catalogue and price list. If inquirers will do me the favor to state as fully as possible their requirements I will understand which catalogue to send them. I have the Canadian Agency, and carry most of the sizes of standard goods in stock.

Allington & Curtis Dust Separators

RIGHT & LEFT HAND
MACHINES

Right-hand machines have inlet opening on left-hand side; left-hand machines have inlet opening on right-hand side. In ordering, please state which hand is most convenient to avoid elbows and bring hopper in required position.

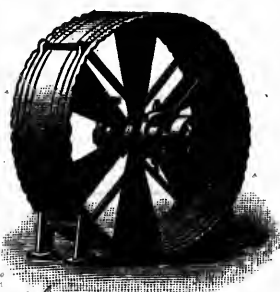


No.	Size of Machine	Price	Code
1	For pipe less than 100 sq. inches		
2	" 100 to 200 "	\$100	Cryptic
3	" over 200 to 300 "	125	Crypto
4	" 300 to 400 "	150	Cryptus
5	" 400 to 550 "	200	Cryptum
6	" 550 to 700 "	250	Crysm
		300	Crysmal

Wheels (and Pulley)

Width	Price	Code
In.	\$	
7½	90	Cross
10	120	Crouch
12½	180	Croup
15	240	Crown
17½	300	Crude
20	360	Cruet
22½	420	Crumb
25	480	Crunch
30	660	Crusé
35	840	Crust
40	960	Crypt

Wing's Fans and Ventilators



WING'S DISC FAN



WING'S FAN VENTILATOR

PRICE LIST AND SPECIFICATIONS

—in great variety—all the factory heating, ventilation, and a general catalogue and possible their requirements Canadian Agency, and carry

No.	SIZE		Pulley	Speed (in Hundreds)	Weight	PRICES AND CODES						
	Dia.	Wide				Fan only	Code	With Engine attached	Code	Fan Ventilators	Code	
1	In. 12	In. 8	2x1½	10 to 20	35	\$	Crystal		\$	\$	25	Cusp
2	18	10	3x1½	7 to 15	56	40	Cub			30	30	Custard
3	24	12	4x2	6 to 12	105	50	Cube			35	35	Custody
4	30	13	5x3	5 to 10	150	65	Cubic			40	40	Custom
5	36	14	6x3	4 to 8	197	85	Cubit	225	Carl	50	50	Cut
6	42	15	7x4	4 to 8	257	105	Cuckoo	265	Carlew	60	60	Cuticle
7	48	16	8x4	4 to 7	278	125	Cud	310	Curry	75	75	Cutlass
8	54	17	9x5	4 to 6	395	160	Cue			100	100	Cutler
9	60	18	10x6	4 to 5½	500	200	Cuff	450	Curvet	120	120	Cutter
10	72		12x7	8 to 4½		200	Cull			150	150	Cycle
11	84		14x8	2½ to 4		175	Cull			190	190	Cyclod
12	96		16x10	2 to 3		240	Cumber			230	230	Cygnat
13	108		20x13			290	Cammin			275	275	
14	120		24x12			325	Cup					



DUST ESCAPES TO FURNACE OR TIGHT BOX

THIS CUT REPRESENTS A RIGHT-HAND MACHINE

Price	Code
00	Cryptic
25	Crypto
50	Cryptus
75	Cryptum
00	Crysm
00	Crysmal

CEILING FANS

Height of Ceiling	Ft. 8	Ft. 8½	Ft. 9	Ft. 9½	Ft. 10	Ft. 10½	Ft. 11
Price	\$7 00	7 75	8 50	9 25	10 00	10 75	11 50
Code	Cymbal	Cynic	Cypress	Cyst	Czar	Dab	Dabble

Height of Ceiling	Ft. 11½	Ft. 12	Ft. 12½	Ft. 13	Ft. 13½	Ft. 14	Ft. 14½
Price	\$12 25	13 00	13 75	14 50	15 25	16 00	16 75
Code	Dace	Dactyl	Dad	Daft	Dagger	Dahlia	Daily

SOHO MACHINE WORKS, TORONTO

Duplex Steam Pumps

I am having a full line of Duplex Pumps (Worthington pattern) manufactured to order, specially for my trade.

THESE PUMPS are substantially constructed, having all the working parts made of the very best material and of extra strength, so as to be durable.

ALL BEARINGS are interchangeable, and can easily be removed and duplicated in case of accidental breakage or unusual wear.

THE VALVE MOTION is the most prominent and peculiar feature of this pump, and is the point to which it owes its complete exemption from noise or concussive action when in operation, and which will allow of the pump being run at a higher speed than can be reached by any single cylinder steam pump. Two steam valves of each other, the one piston acts so as to give steam to the other, after which it finishes its stroke and waits for its valves to be acted upon before it can renew its motion; this pause allows all the water valves to set quietly, and removes everything like harshness of motion, and as one or the other of steam valves must be always open, there can be no dead point. The pump is therefore always ready to start when the steam is admitted, and is controlled by simply opening or closing the throttle valve.

ALL PUMPS are guaranteed to give first-class service, and as good as can be given by any pump manufactured, at any other place, or by any other manufacturer.

PRICE LIST AND SPECIFICATIONS

Dia. of Steam Cylinder	SIZE		Strokes per minute	Gallons per minute (capacity)	Equal to single cylinder pump, water plunger dia.	Weight	PIPES				Price	Code		
	Dia. of Water Cylinder	Stroke					Steam	Exhaust	Suction	Discharge				
3	2	3	.04	75 to 900	6 to 16	2 1/2	215	1 1/2	1 1/2	1 1/2	1	\$90	Dairy	
4	2 1/2	4	.01	75 to 150	15 to 30	4	305	1 1/2	1 1/2	1 1/2	1	125	Dais	
5 1/2	3 1/2	5	.2	75 to 150	30 to 60	4	476	2 1/2	2 1/2	2 1/2	2	160	Daisy	
6	4	7	.3	75 to 125	50 to 80	5 1/2	750	1 1/2	1 1/2	2 1/2	2 1/2	200	Dale	
7 1/2	4 1/2	10	.69	75 to 100	100 to 140	7 1/2	1750	1 1/2	2 1/2	4	3	275	Dally	
10	5 1/2	10	.93	75 to 100	140 to 185	8 1/2	1840	2 1/2	2 1/2	4	3	340	Dam	
12	6	10	1.22	50 to 100	125 to 245	9 1/2	1950	2 1/2	2 1/2	4	4	340	Damask	
14	7	10	1.66	50 to 100	165 to 335	9 1/2	.....	2 1/2	2 1/2	5	4	500	Dame
12	8 1/2	10	1.00	50 to 100	165 to 335	12	.....	2 1/2	2 1/2	6	5	550	Damp
14	8 1/2	10	2.45	50 to 100	245 to 490	12	.....	2 1/2	2 1/2	6	5	625	Damsel
16	8 1/2	10	2.45	50 to 100	245 to 490	12	.....	2 1/2	2 1/2	6	5	575	Dance
18 1/2	8 1/2	10	2.45	50 to 100	245 to 490	12	.....	2 1/2	2 1/2	6	5	625	Damsel
12	10 1/2	10	2.45	50 to 100	245 to 490	12	.....	2 1/2	2 1/2	6	5	700	Dance
14	10 1/2	10	3.57	50 to 100	355 to 715	14 1/2	.....	2 1/2	2 1/2	7	6	790	Dandle
16	10 1/2	10	3.57	50 to 100	355 to 715	14 1/2	.....	2 1/2	2 1/2	7	6	700	Dandy
18 1/2	10 1/2	10	3.57	50 to 100	355 to 715	14 1/2	.....	2 1/2	2 1/2	7	6	775	Danger
													825	Dangle
													885	Dank

COMPOUND PUMPS											
Size	Stroke	Gallons per minute	Equal to single cylinder pump, water plunger dia.	Weight	Steam	Exhaust	Suction	Discharge	Price	Code	
12	10	5	510 to 920	14	2 1/2	4	8	7	2000	Dapper	
14	15	7.33	50 to 90	17	3	6	8	7	4000	Dare	

Pumps

(Washington pattern) manufac

ving all the working parts
to be durable.

ily be removed and dupli

d peculiar feature of this
tion from noise or con-
the pump being run at a
eam pump. Two steam
eciprocally on the steam
to the other, after which
before it can renew its
and removes everything
valves' must be always
ways ready to start when
or closing the throttle

e, and as good as can be
ny other manufacturer.

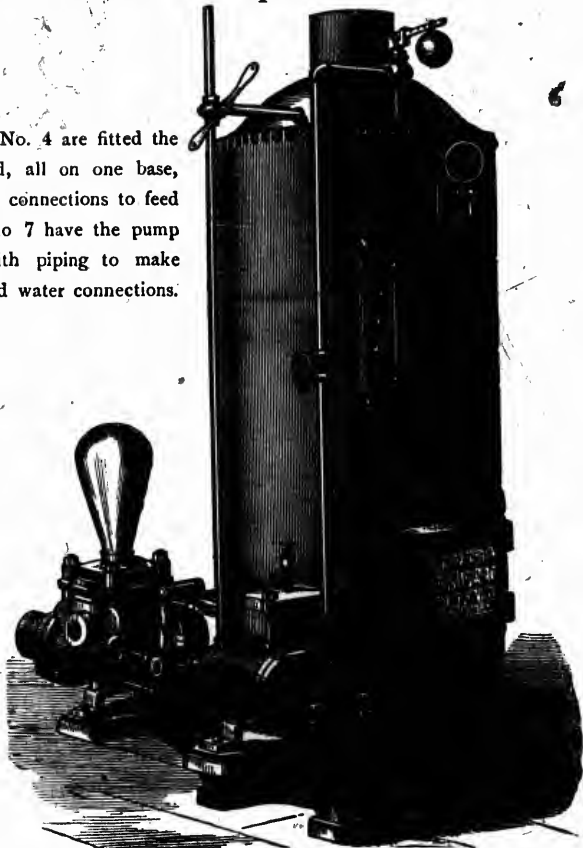
CTIONS

Suction	Discharge	Price	Code
1 1/2	1	\$90	Dairy
2 1/2	1 1/2	125	Dais
3 1/2	2 1/2	180	Daisy
4 1/2	3 1/2	200	Dale
5 1/2	4 1/2	275	Dally
6 1/2	5 1/2	340	Dam
7 1/2	6 1/2	400	Damask
8 1/2	7 1/2	500	Dame
9 1/2	8 1/2	550	Damp
10 1/2	9 1/2	675	Damsel
11 1/2	10 1/2	695	Damson
12 1/2	11 1/2	700	Dance
13 1/2	12 1/2	790	Dandle
14 1/2	13 1/2	700	Dandy
15 1/2	14 1/2	775	Danger
16 1/2	15 1/2	825	Dangle
17 1/2	16 1/2	885	Dank

3	7	2000	Dapper
4	7	4000	Dare

Duplex Steam Pumps and Boilers

These up to No. 4 are fitted the
as illustrated, all on one base,
having water connections to feed
er. Nos. 5 to 7 have the pump
parate, and with piping to make
inary steam and water connections.



... SPECIFICATIONS AND PRICE LIST ...

No.	PUMPS			BOILER		Capacity per Minute	Weight (about)	Price	Code
	Dia. Steam	Dia. Water	Stroke	Dia.	Height				
1	In. 3	In. 2	In. 3	24	48	15	1100	\$ 245	Dark
2	4 1/2	2 3/4	4	24	48	30	1200	270	Darn
3	5 1/2	3 1/2	5	26	60	60	1700	325	Dart
4	6	4	7	30	60	80	2300	380	Dash
5	7 1/2	4 1/2	10	30	66	140	3000	475	Data
6	9	5 1/2	10	34	72	180	4400	565	Date
7	10	6	10	37	72	240	5000	665	Datum

SOHO MACHINE WORKS, TORONTO

Duplex Independent Condensers

WORTHINGTON STYLE

No. of Condenser	Diameter of Steam Cylinders	Diameter of Water Cylinders	Length of Stroke	Diameter of Steam Pipe of Pump	Diameter of Exhaust Pipe of Pump	Diameter of Engine Exhaust Opening	Diameter of Vapor Opening for Vacuum Fans	Diameter of Injection Pipe	Diameter of Discharge Pipe	Code
1	6	4	6	1	1	4	8	2 1/2	2	Daub
2	6	5 1/2	6	1 1/2	1 1/2	5	8	3	3	Daun
3	7 1/2	7	10	1 1/2	1 1/2	6	8	3 1/2	3	Daw
4	7 1/2	7	10	1 1/2	1 1/2	7	10	4	4	Dawn
5	7 1/2	8 1/2	10	1 1/2	1 1/2	8	10	4 1/2	4	Day
6	7 1/2	8 1/2	10	1 1/2	1 1/2	8	10	5	5	Dazz
7	7 1/2	10 1/2	10	1 1/2	1 1/2	9	12	5 1/2	5 1/2	Deact
8	9	12	10	1 1/2	1 1/2	10	12	6	6	Dead
9	12	14	10	2	2	12	12	7	7	Deaf
9 1/2	12	15	10	2 1/2	2 1/2	12	14	8	8	Deal
10	12	15	15	2 1/2	3	14	14	8	10	Deal
										Prices on application.

In writing, give specifications in full concerning your steam plant, so that we can understand how to estimate your requirements.

PULSOMETERS

(Foot Valve included)

No.	Height	Space Occupied	Size of Steam Pipe	Size of Suction Pipe	Size of Discharge Pipe	Gallons per Minute	Weight (about)	Present Net Prices	Code
1	14	9 x 7	1	1	1	10	Lbs. 35	\$ 60	Decay
2	20	15 x 12	1 1/2	1 1/2	1 1/2	20	125	90	Decent
3	23	17 x 14	2	2	2	60	210	120	Decide
4	30	21 x 16	2 1/2	2 1/2	2 1/2	100	355	180	Deck
5	34	24 x 20	3	3	3	175	475	210	Decline
6	40	28 x 22	3 1/2	3 1/2	3 1/2	300	695	270	Decoct
7	43	30 x 24	4	4	4	425	850	330	Decoy
8	54	33 x 29	5	5	5	700	1600	480	Decry
9	61	37 x 31	6	6	6	1000	2000	600	Deduce
10	80	52 x 45	8	8	8	2000	5000	1200	Deed

The above capacity is estimated on a total height of 25 feet, with 40 lbs. steam pressure at the Pump. A deduction must be proportionately made on higher elevations; also greater or less quantity, according to pressure of steam. On long or high Deliveries an Air Chamber should be formed on Discharge Pipe, using a tee instead of elbow where there is a turn of the pipe, with piece of capped pipe extending above.

t Condens
TYPE

Centrifugal Pumps

vacuum Pans	Diameter of Injection Pipe	Diameter of Discharge Pipe	Code
2 1/2	2		Daub
3	3		Daun
4	4		Daw
4	4		Dawn
5	5		Day
5	5		Dazzl
6	6		Deacc
7	7		Dead
8	10		Deaf
8	10		Deal
10	10		Dean

Prices on application.

Suction	Discharge	Gallons per Minute	IRON PUMPS						BRASS PUMPS				
			Vertical	Code	Horizontal	Code	Primer	Foot Valve.	Horizontal	Code	Primer	Foot Valve	
2	1 1/2	100	\$ 40	Deem	\$ 50	Defy	\$ 10	3	80	Demand	\$ 20	6	8
2 1/2	2	250	60	Deep	75	Degree	15	4	115	Demcan	30	8	8
3	3	600	75	Deer	100	Deign	20	5	155	Demi	40	10	10
3 1/2	3	1200	95	Defeat	130	Deject	27	6	210	Demon	55	12	12
4	4	1800	120	Defeat	165	Delay	35	8	.....	.....	.....	.....	.....
5	5	2600	150	Defen	210	Delf	45	10	.....	.....	.....	.....	.....
6	6	4700	200	Defer	280	Dell	60	15	.....	.....	.....	.....	.....
8	8	7300	280	Defile	375	Delude	75	20	.....	.....	.....	.....	.....
10	10	10000	360	Deform	500	Deluge	.....	.....	.....	.....	.....	.....	.....
12	12	16000	520	Defray	680	Delve	.....	.....	.....	.....	.....	.....	.....

our steam plant, so that

Power Geared Rotary Pumps

FOR FIRE PURPOSES

(With Couplings)

Present Net Prices (about)	Code
\$ 90	Decay
120	Decent
180	Decide
210	Deck
270	Decline
330	Decoet
480	Decoy
600	Decry
1200	Deduce
	Deed

feet, with 40 lbs. steam made on higher elevation. formed on Discharge ne pipe, with piece of

No.	Revolutions to	Capacity per Minute	Size of Base	DIAMETER		No. of Streams	Horse Power	IRON		BRONZE	
				Suction	Discharge			Price	Code	Price	Code
2	550	110	In. In.	2 1/2	2 1/2	1	8	\$ 115	Dentil	\$ 175	Deport
2 1/2	500	250	12x20 1/2	3 1/2	3 1/2	2	18	140	Denude	250	Depose.
3	400	333	18x26	4	4	3	25	200	Deny	380	Depot
4	350	437	20x31 1/2	4 1/2	4 1/2	4	32	250	Depart	425	Deprave
5	300	600	21x35 1/2	6	5	5	45	350	Depend	.....	.....
6	225	1237	25 1/2 x 40 1/2	8	8	8	92	625	Depict	.....	.....
7	200	1466	25 1/2 x 40 1/2	9	9	7	110	700	Deploy	.....	.....

Brick and Tile Machinery



(Circulars on Application)

Portable
Engine

I have on hand at all times Second-Hand, Refitted Portables, suitable for driving brick yard outfit, that I can sell at very low prices. I also have a large stock both New and Second-Hand Engines and Boilers, and prices to meet any legitimate competition.

"MARTIN" FOR POWER

Machine	Style of Power	Capacity per hour	Production	Weight	Price	Code
Victoria	Steam		Pressed Brick			
Martin	Steam	2500	Stock Brick	20000	\$2500	Depress
Martin	2 Horses	2000	Wire Cut Brick	7500	500	Depth
Quaker	Steam	2000	Stock Brick	5500	400	Depute
Quaker	2 Horses	2000	Stock Brick	3400	450	Derange
Leader	Steam	2000	Wire Cut Brick	3200	350	Deride
Leader	Steam	1000	Tile	3000	375	Derive
Kells	Steam		Combined	3300	375	Descant
Kells	Steam	2000	Wire Cut Brick	3400	425	Descry
Kells	Steam	1000	Tile	2400	375	Desert
Clay Crusher	Steam		Combined	2400	375	Design
Brick Press	Hand			2600	425	Desire
Brick Press	Hand	200	Pressed Brick	2800	225	Desk
		200	Pressed Brick	700	140	
				1500	225	

Moulds for Martin Machines, each \$3.35.

Machinery

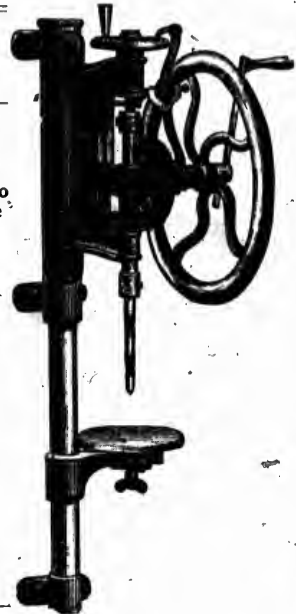
(Circulars on Application)

Portable Engine

I have on hand at all times
 Second-Hand, Refitted Portable
 Engines, suitable for driving
 a brick yard outfit, that I can
 sell at very low prices.
 I also have a large stock
 of both New and Second-Hand
 Engines and Boilers, and
 am prepared to meet any legitimate
 competition.

Blacksmiths' Machinery

Machine	Style	Capacity	Weight	Price	Code
Hand Drill	Single Geared	Ins. 10' swing	lbs. 85	\$ 17 50	Despair
" "	" "	14 "	125	23 00	Despatch
" "	" "	22 "	200	30 00	Desperado
" "	Double Geared	22 "	275	35 00	Desperate
Bolt Clipper	Hand.	$\frac{1}{8}$ to $\frac{1}{2}$	...	4 00	Despise
" "	" "	$\frac{1}{4}$ to $\frac{1}{2}$	...	7 00	Despise
" "	" "	$\frac{1}{2}$ to $\frac{3}{4}$	...	9 00	Despoil
Bolt Machine	" "	Cuts & taps $\frac{1}{4}$ to $\frac{3}{4}$	120	65 00	Despond
" "	" "	$\frac{1}{2}$ to 1	150	85 00	Despot
Stub Borer	" "	to 7	120	35 00	Despotic
" "	" "	to 13	150	45 00	Desert
" "	Power	to 13	190	65 00	Destine
" "	" "	to 13	525	175 00	Destiny
Wire Bender	Hand.	to 4	85	10 00	Destroy
" "	" "	to 4	120	12 00	Detach
" "	" "	Any size	200	30 00	Détail
Wire Upsetter	" "	to 2	100	14 00	Detain
" "	" "	to 4	150	18 50	Detect
Hand Shears	" "	$\frac{1}{2}$ x $1\frac{1}{2}$	160	18 50	Detent
Wye Irons	" "	Medium	40	6 50	Deter
" "	Power	Heavy..	125	12 50	Deterge

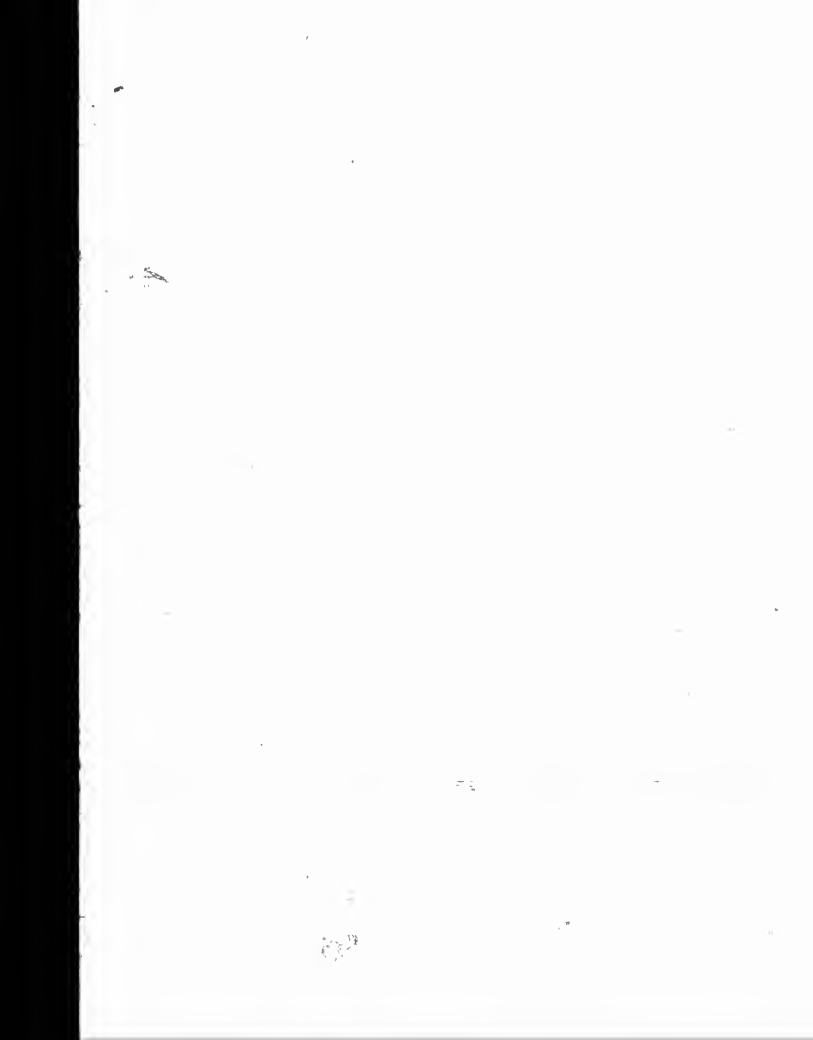


FOOT PRESSES AND TOOLS (Fruit or Lobster Can Factory Outfit)

Weight	Price	Code
20000	\$2500	Depress
7500	500	Deprive
5500	400	Depth
3400	450	Depute
3200	350	Derange
3000	375	Deride
3300	375	Derive
2400	425	Descant
2400	375	Descry
2400	375	Desert
2600	425	Design
2800	225	Desire
2700	140	Desist
2000	225	Desk

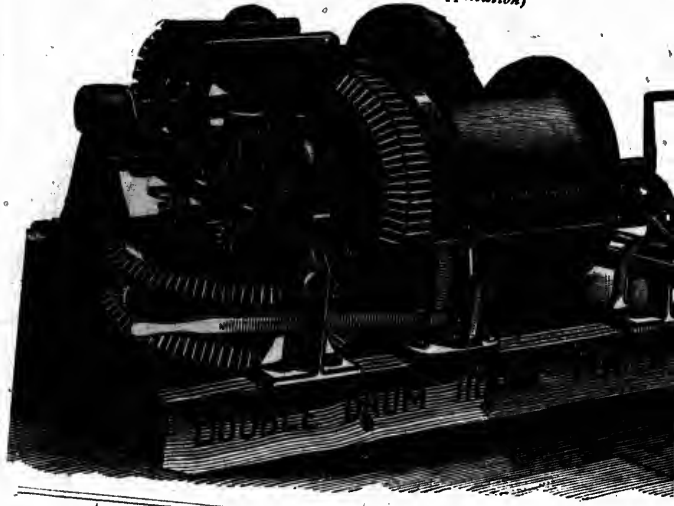
Number of machines	Style	Capacity	Price	Code
one	Large Foot Press	To gallon cans	\$100 00	Detest
one	Small Foot Press	For all large caps	50 00	Dethrone
one	Squaring Shears	26 in., improved	45 00	Detinue
one pair	Forming Rollers	16 in.	12 00	Detonate
one	Loose Gate Solder Mould		22 00	Detonize
one	Rotary Solder Cutter		15 00	Detour
one	Combination Die	1 lb. for tops and bottoms	33 00	Detour
one	" "	2 " "	35 00	Detract
one	" "	3 " "	39 00	Detriment
one	Cap Die	For 1, 2 and 3 lb. cans	42 00	Detritus
three	Solder Frames		7 50	Detruide
three	Soldering Cylinders	1 lb.	5 25	Deuce
three	" "	2 lbs.	6 00	Develop
three	" "	3 lbs.	7 50	Device
three	Can Makers' Fire Pots		11 25	Devious
three	Floating Plates		7 50	Devise
	Steel Capping Irons, per pair		5 00	Devoir

The capacity of above plant is from 2500 to 8000 cans per day. As the Presses and Dies are sufficient for 6000 cans per day, the product may be increased by additional Solder Frames, Cylinders, etc.



Duplex Horse Power Ho

(Circulars on Application)



No.	Style of Drums	Power	Speed	Weight	Price	Co
1	Double	12 to 1	7 to 60	2200	\$300	Devol
2	Single	12 to 1	7 to 30	1500	160	Devote
3	Single	20 to 1	4 to 18	2300	240	Devour

These Hoisters are specially adapted for all kinds of Quarrying, Building, Mining and Contracting purposes, and are ahead of any thing of the kind in the market. The Duplex Gearing enables the operator to change from slow to speed (or *vice versa*) instantly.

CONTRACTORS' SUPPLIES

No.	Article	Capacity	Price	Code
	Railway Barrows		\$2 00	
1	Railway Ploughs	Very Heavy	30 00	Descend
2	Steel Drag Scrapers	7 Cubic Feet	11 00	Describe
2	" " "	5 "	10 00	Deserve
3	Wheeled Scrapers	11 "	45 00	Designer
	" " "	15 "	50 00	Designate

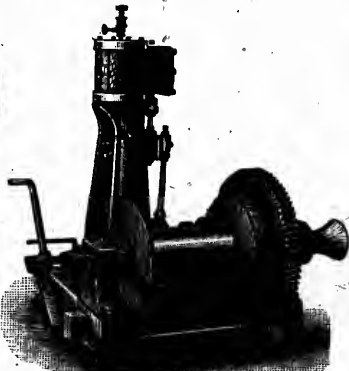
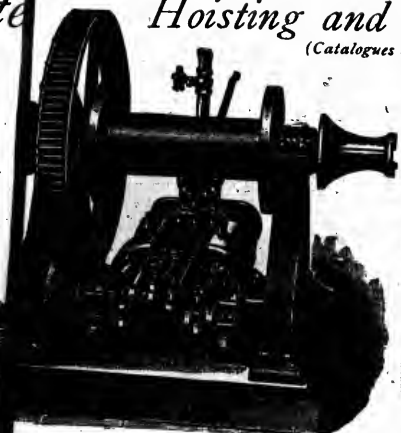
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A. R. WILLIAMS

er Hoiste

Hoisting and Deck Engines

(Catalogues on application)



"DUPLEX"

"VERTICAL"

Style	Cylinder		Size of Drum	Weight	Price	Code
	Bore	Stroke				
"Vertical"	5	6	6½x15 in.	1100	\$300	Dewy
" "	5½	7	8½x18	1600	365	Dew
" "	6½	8	10½x21	2400	450	Dewdrop
"Duplex"	5	6	12 x24	2400	450	Dexter
" "	6	6	12 x24	2600	560	Dey

5x10 Pumps for "Duplex," each, \$120.

These Hoisting and Deck Engines are very complete in all particulars.

Horse Powers, Separators, Etc.—(Circulars on application)

No. of Horses	Style	Weight	Price	Code
1	Tread	850	\$110	Disquiet
2	"	1450	160	Disrank
3	"	2000	200	Disrobe
4	Circle		60	Disruly
5	Circle, Woodbury, mounted on wheels		175	Disrupt
6	"		220	Dissect
7	Bag Saw	1250	160	Dissemble
8	"	2050	220	Dissent
9	in. Separator "J. I. C."	Mounted	375	Dissever
10	"	"	425	Distaff
11	raw-Cutter .. 13 in. Excelsior	"	45	Distant

Improved Pile-Driving Derricks

These are made of well-seasoned timbers fitted and bolted securely together; iron mounted with sheave on top; made so as to be taken apart for shipment if necessary.

Height of Derrick	Suitable for Hammer	Price	Code	Height of Derrick	Suitable for Hammer	Price	Code
25 ft.	1200	\$250	Distaste	45 ft.	2500	\$450	Dister
30	1500	275	Distemper	50	3000	525	Disthroner
35	1800	350	Distend	55	3500	600	Distil
40	2400	400	Distent	60	4000	725	Distinct

PILE-DRIVING HAMMERS to suit the above Derricks, of good iron, at a price per pound, finished weight, of 6 cents.

Price Code

\$300
160
240

Devolve
Devote
Devour

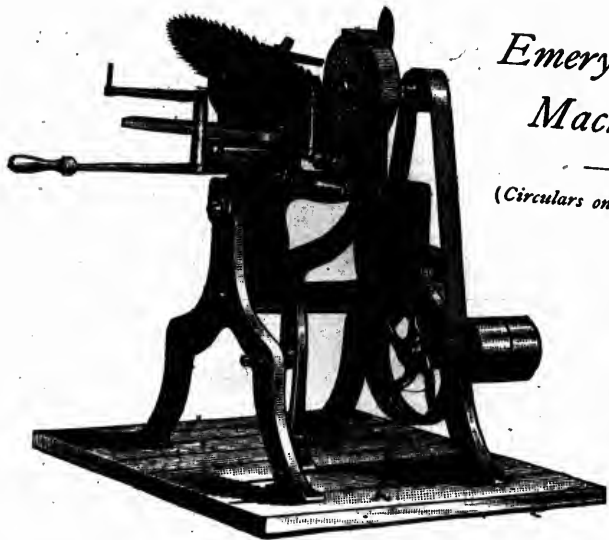
Quarrying, Building
of the kind in the
e from slow to high

Code

Descend
Describe
Deserter
Deserve
Designer
Designate

*Emery
Machines*

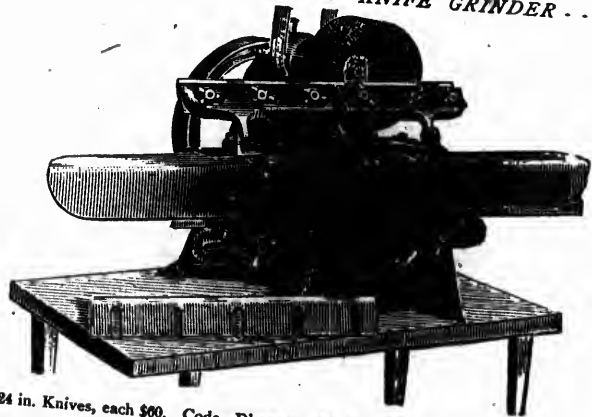
(Circulars on Application)



... ROGERS' SAW FILERS ...

No.	Capacity	No. of Wheels	Price	Code
1	6 in. to 36 in.	3		
2	6 in. to 48 in.	3	\$60 00	Distract
3	6 in. to 72 in.	3	65 00	Distrain
3	With Gang Saw Attachment	3	75 00	Distress
		3	85 00	District

... STEINHOFF'S PATENT KNIFE GRINDER ...



For 24 in. Knives, each \$80. Code—Distrust. For 30 in. Knives, \$70. Code—Disturb.
For Emery Stands, see page 132.

A. R. WILLIAMS

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THICKNESS IN INCHES

Wheeler
Inches

Emery Machines

(Circulars on Application)



Price	Code
\$50 00	District
65 00	District
75 00	District
85 00	District

GRINDER . . .



\$70. Code—Disturb.

Emery Wheels

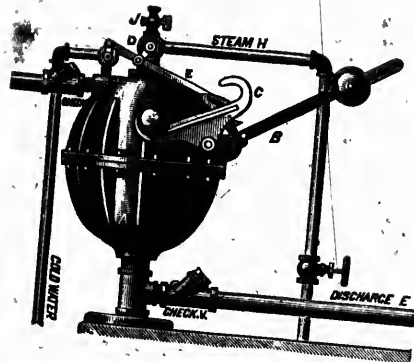
State the kind of work you wish to do, and give the size of the Mandrel.

Diameter of Wheel in Inches	1	1	1	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	Revolutions per minute
1 1/2	\$ 40	\$ 45	\$ 50	\$ 55	\$ 60	\$ 65	\$ 70	\$ 75	\$ 80	\$ 85	\$ 90	\$ 95	\$ 1 00	\$ 1 05	\$ 1 10	\$ 1 15	10000
2	\$ 50	\$ 55	\$ 60	\$ 65	\$ 70	\$ 75	\$ 80	\$ 85	\$ 90	\$ 95	\$ 1 00	\$ 1 05	\$ 1 10	\$ 1 15	\$ 1 20	\$ 1 25	8000
3	\$ 80	\$ 85	\$ 90	\$ 95	\$ 1 00	\$ 1 05	\$ 1 10	\$ 1 15	\$ 1 20	\$ 1 25	\$ 1 30	\$ 1 35	\$ 1 40	\$ 1 45	\$ 1 50	\$ 1 55	7400
4	\$ 110	\$ 115	\$ 120	\$ 125	\$ 130	\$ 135	\$ 140	\$ 145	\$ 150	\$ 155	\$ 160	\$ 165	\$ 170	\$ 175	\$ 180	\$ 185	6400
5	\$ 125	\$ 130	\$ 135	\$ 140	\$ 145	\$ 150	\$ 155	\$ 160	\$ 165	\$ 170	\$ 175	\$ 180	\$ 185	\$ 190	\$ 195	\$ 200	5450
6	\$ 140	\$ 145	\$ 150	\$ 155	\$ 160	\$ 165	\$ 170	\$ 175	\$ 180	\$ 185	\$ 190	\$ 195	\$ 200	\$ 205	\$ 210	\$ 215	4900
7	\$ 155	\$ 160	\$ 165	\$ 170	\$ 175	\$ 180	\$ 185	\$ 190	\$ 195	\$ 200	\$ 205	\$ 210	\$ 215	\$ 220	\$ 225	\$ 230	4400
8	\$ 170	\$ 175	\$ 180	\$ 185	\$ 190	\$ 195	\$ 200	\$ 205	\$ 210	\$ 215	\$ 220	\$ 225	\$ 230	\$ 235	\$ 240	\$ 245	3800
9	\$ 185	\$ 190	\$ 195	\$ 200	\$ 205	\$ 210	\$ 215	\$ 220	\$ 225	\$ 230	\$ 235	\$ 240	\$ 245	\$ 250	\$ 255	\$ 260	3150
10	\$ 200	\$ 205	\$ 210	\$ 215	\$ 220	\$ 225	\$ 230	\$ 235	\$ 240	\$ 245	\$ 250	\$ 255	\$ 260	\$ 265	\$ 270	\$ 275	2750
12	\$ 240	\$ 245	\$ 250	\$ 255	\$ 260	\$ 265	\$ 270	\$ 275	\$ 280	\$ 285	\$ 290	\$ 295	\$ 300	\$ 305	\$ 310	\$ 315	2450
14	\$ 280	\$ 285	\$ 290	\$ 295	\$ 300	\$ 305	\$ 310	\$ 315	\$ 320	\$ 325	\$ 330	\$ 335	\$ 340	\$ 345	\$ 350	\$ 355	2200
16	\$ 320	\$ 325	\$ 330	\$ 335	\$ 340	\$ 345	\$ 350	\$ 355	\$ 360	\$ 365	\$ 370	\$ 375	\$ 380	\$ 385	\$ 390	\$ 395	1850
18	\$ 360	\$ 365	\$ 370	\$ 375	\$ 380	\$ 385	\$ 390	\$ 395	\$ 400	\$ 405	\$ 410	\$ 415	\$ 420	\$ 425	\$ 430	\$ 435	1600
20	\$ 400	\$ 405	\$ 410	\$ 415	\$ 420	\$ 425	\$ 430	\$ 435	\$ 440	\$ 445	\$ 450	\$ 455	\$ 460	\$ 465	\$ 470	\$ 475	1400
22	\$ 440	\$ 445	\$ 450	\$ 455	\$ 460	\$ 465	\$ 470	\$ 475	\$ 480	\$ 485	\$ 490	\$ 495	\$ 500	\$ 505	\$ 510	\$ 515	1250
24	\$ 480	\$ 485	\$ 490	\$ 495	\$ 500	\$ 505	\$ 510	\$ 515	\$ 520	\$ 525	\$ 530	\$ 535	\$ 540	\$ 545	\$ 550	\$ 555	1100
30	\$ 560	\$ 565	\$ 570	\$ 575	\$ 580	\$ 585	\$ 590	\$ 595	\$ 600	\$ 605	\$ 610	\$ 615	\$ 620	\$ 625	\$ 630	\$ 635	925
36	\$ 640	\$ 645	\$ 650	\$ 655	\$ 660	\$ 665	\$ 670	\$ 675	\$ 680	\$ 685	\$ 690	\$ 695	\$ 700	\$ 705	\$ 710	\$ 715	755
																	550

THICKNESS IN INCHES

For all Wheels thinner than 3/4 inch, use list of 3/4 inch.

SOHO MACHINE WORKS TORONTO



Return Steam Traps

(Circulars on Application)

No.	Will drain	Price	Receiver
1	4000 ft. of 1 in. pipe	\$ 100	\$ 8
2	8000	150	10
3	18000	200	12

Add 5 to Code if "Receiver"

"Duplex" Die Stocks, for Gas, Water and Steam



Both Guides and Dies Instantly Adjustable—Light, Strong, Compact, Simple Very Easily Operated.

No.	For Threading.	Without Cut-off	With Cut-off	Extra Dies	Code (with cut-off)
1	$\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 , $1\frac{1}{4}$ Pipe.....	\$13 00	\$16 00	\$1 50	Divorced
2	$\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, 1 , $1\frac{1}{4}$ ".....	17 00	20 00	1 75	Dizzy
3	$\frac{1}{2}$, $\frac{3}{4}$, 1 , $1\frac{1}{4}$, $1\frac{1}{2}$ ".....	22 00	25 00	2 00	Dock
3 $\frac{1}{2}$	$\frac{3}{4}$, 1 , $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, 2 ".....	25 00	28 00	2 00	Docket
4	$1\frac{1}{2}$, 2 , $2\frac{1}{2}$, 3 , $3\frac{1}{2}$ ".....	40 00	45 00	3 50	Doctor
5	$2\frac{1}{2}$, 3 , $3\frac{1}{2}$, 4 , $4\frac{1}{2}$ ".....	55 00	60 00	4 00	Dodge

Return Steam Traps

(Circulars on Application)

No.	Will drain	Price	Receiver
1	4000 ft. of 1 in. pipe	\$ 100	\$ 8
2	8000	150	10
3	18000	200	12

Id S to Code if "Receiver"

Water and Steam



h off	Extra Dies	Code (with en)
0	\$1 50	Divorce
0	1 75	Dizzy
0	2 00	Docket
0	2 00	Docket
0	3 50	Doctor
0	4 00	Dodge

Solid Die Plates

For Cutting Steam, Gas and Water Pipes



	0	1	1½	1¾	2
.....					With Leader Screws
ished with each plate	¼ to ½	½ to 1	¾, 1 & 1¼	1, 1¼ & 1½	1½, 1¾ & 2
sions of Dies—in.....	2 x ½	2½ x ¾	3 x ¾	3 x ¾	4 x ¾
ates with R. H. Dies	\$	\$	\$	\$	\$
omplete.....	9 50	15 00	13 50	13 50	20 00
ates without Dies.....	3 50	5 00	6 00	6 00	9 50
ies, R. or L. Hand ..	1 50	2 00	2 50	2 50	3 50
Bushings, each.....	25	35	45	45	60
ames, each.....	30	40	40	40	50
ode—Die Plates.	Dodger	Dodges	Dodgest	Dodin	Dodle

Pipe Taps, Reamers and Hob Taps



Size	PRICE LIST				Code (Pipe Taps only)
	Pipe Taps	Pipe Reamers	Short Hob Taps	Long Hob Taps	
In.	\$	\$	\$	\$	
¾	1 12	1 12	60	75	Dodo
1	1 25	1 25	70	87	Doe
1¼	1 50	1 50	80	1 00	Dog
1½	1 87	1 87	90	1 12	Dogma
1¾	.....	.....	1 15	1 44	.....
2	.....	.....	1 30	1 62	.....
2¼	.....	.....	1 45	1 81	.....
2½	2 50	2 50	1 60	2 00	Doll
2¾	.....	.....	1 80	2 25	.....
3	.....	.....	2 10	2 62	.....
3¼	.....	.....	2 40	3 00	.....
3½	3 12	3 12	2 80	3 50	Dome
3¾	.....	.....	3 20	4 00	.....
4	3 75	3 75	3 70	4 62	Donkey
4¼	.....	.....	4 20	5 25	.....
4½	4 62	4 62	4 70	5 87	Doom
4¾	.....	.....	5 30	6 62	.....
5	.....	.....	6 00	7 50	.....
5¼	6 25	6 25	7 70	9 62	Dossil
5½	10 50	10 50	.....	.....	Dot
5¾	15 00	15 00	.....	.....	Dotal
6	22 00	22 00	.....	.....	Dotard
6¼	.....	.....	.....	.....	Doubt

Pipe Tap

Short Hob Tap

Reece's New Screw Plate



CUT SHOWING SIZE C, COMPLETE IN BOX. Price, complete. C.

Size A, same style.	Cuts $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$ and $\frac{1}{2}$ inch	\$13 00	Down
Size B, " "	Cuts $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and 1 inch	21 00	Down
Size C, " "	Cuts $\frac{1}{2}$, $\frac{3}{4}$, 1 and 1 inch	20 00	Down
Size D, " "	Cuts $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$ and 2 inch	25 00	Down
Size E, " "	Cuts 1, $1\frac{1}{4}$, $1\frac{1}{2}$, 2 and 1 inch	29 00	Down
Size F, stock 53 inches long.	Cuts $1\frac{1}{2}$, 2, $2\frac{1}{2}$, 3 and 1 inch	45 00	Down



Sectional View of Die
Collet

A complete Collet consists of Body and Cap. Both are threaded and screwed together.

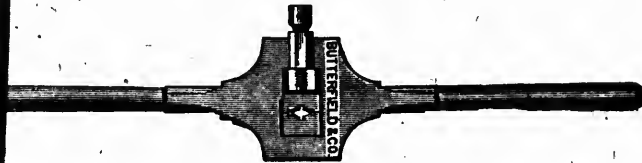
PRICES OF TAPS, DIES, ETC., FOR REECE'S NEW SCREW PLATE

Diameter, Inch	No. of Threads to Inch	Price of Tap	Price of Die	Tap, Die and Collet	Code
$\frac{1}{8}$	18 and 20	\$ 45	\$1 25	\$2 30	Down
$\frac{1}{8}$	16 and 18	50	1 25	2 35	Downy
$\frac{1}{8}$	14 and 16	55	1 50	2 65	Downy A P
$\frac{1}{8}$	14	60	1 50	2 80	Dozy
$\frac{1}{8}$	12 and 13	70	1 75	3 05	Drab
$\frac{1}{8}$	12	80	1 75	3 15	Drachm
$\frac{1}{8}$	10 and 11	90	1 75	3 25	Draft
$\frac{1}{8}$	11	1 05	1 75	3 40	Drag
$\frac{1}{8}$	10	1 20	2 00	3 80	Dragon
$\frac{1}{8}$	10	1 40	2 00	4 00	Drain
$\frac{1}{8}$	9	1 60	3 00	5 20	Drake
$\frac{1}{8}$	9	1 80	3 00	5 40	Drama
$\frac{1}{8}$	8	2 00	3 00	5 60	Draper
$\frac{1}{8}$	7	2 25	4 50	8 75	Drastic
$\frac{1}{8}$	7	2 60	4 50	9 10	Draught
$\frac{1}{8}$	6	3 00	6 00	11 00	Draw
$\frac{1}{8}$	6	3 50	6 00	11 50	Drawl

new Plate



Machinists' Stocks and Dies



BOX.	Price, complete.	Code
.....	\$13 00	Down
.....	21 00	Downy
.....	20 00	Dozy
.....	25 00	Drab
.....	29 00	Drachm
.....	45 00	Draft

	Price.	Code.
with 5 prs. Dies, cutting $\frac{1}{4}$, 20; $\frac{1}{8}$, 18; $\frac{3}{8}$, 16; $\frac{1}{2}$, 14; $\frac{3}{4}$, 12	\$7 00	Dray
" 4 " " $\frac{1}{4}$, 14; $\frac{3}{8}$, 12; $\frac{1}{2}$, 11; $\frac{3}{4}$, 10	8 00	Dread
" 4 " " $\frac{3}{8}$, 11; $\frac{1}{2}$, 10; $\frac{3}{4}$, 9; 1, 8	10 00	Dream
" 4 " " $\frac{1}{2}$, 10; $\frac{3}{4}$, 9; 1, 8; $1\frac{1}{4}$, 7	13 00	Dredge
" 4 " " $1\frac{1}{4}$, 7; $1\frac{1}{2}$, 7; $1\frac{3}{4}$, 6; $1\frac{3}{4}$, 6	25 00	Drench
" 5 " " $1\frac{1}{2}$, 6; $1\frac{3}{4}$, 5; $1\frac{3}{4}$, 5; $1\frac{3}{4}$, 4; 2, 4	33 00	Dress

The above prices do not include Taps.
 In ordering, state whether taper or plug taps are required.
 For prices of Taps see page 63.

Additional View of Die Collet

Complete Collet consists of Die and Cap. Both are threaded together.

MACHINISTS' SCREW PLATES

NEW SCREW PLATES

Die and Collet	Code
\$2 30	Down
2 35	Downy
2 65	Dowry
2 80	Dozy
3 05	Drab
3 15	Drachm
3 25	Draft
3 40	Drag
3 80	Dragon
4 00	Drain
5 20	Drake
5 40	Drama
5 60	Draper
7 75	Drastic
10	Draught
00	Draw
50	Drawl

	Price each.	Code.
—6 inches long, 4 sets Dies and 4 Taps, cutting $\frac{1}{8}$ th, 64; $\frac{3}{16}$ ths, 56; $\frac{1}{4}$ ths, 48; $\frac{5}{16}$, 40	\$3 50	Drib
DA—6 inches long, 3 sets Dies and 4 Taps, cutting 4, 36; 6, 32; 8, 32; 10, 24	3 50	Drier
—7 inches long, 4 sets Dies and 4 Taps, cutting $\frac{1}{8}$, 48; $\frac{3}{16}$, 40; $\frac{1}{4}$ ths, 32; $\frac{5}{16}$, 24	4 00	Drift
A.—7 inches long, 3 sets Dies and 4 Taps, cutting 10, 24; 12, 24; 14, 20; 16, 18	4 50	Drig
—7 inches long, 3 sets Dies and 6 Taps, cutting 4, 40; 6, 40; 4, 36; 6, 36; 8, 32; 10, 32	6 25	Drink
—8 inches long, 3 sets Dies and 6 Taps, cutting 6, 32; 8, 32; 10, 24; 12, 24; 14, 20; 16, 20	6 25	Drip
$\frac{1}{2}$ —9 inches long, 4 sets Dies and 4 Taps, cutting 6, 32; 8, 30; 10, 24; 14, 20	4 50	Drivel
BA—9 inches long, 3 sets Dies and 4 Taps, cutting 14, 20; 16, 18; 18, 18; 20, 16	4 75	Driver
mond A Plate, with Tap Wrench. Plate 5 in. long; Tap Wrench 5 in. long; 6 Taps and 6 Dies, cutting 4, 36; 6, 32; 8, 32; 10, 24; 12, 24; 14, 20	9 00	Droll
mond B Plate, with Tap Wrench. Plate 5 in. long; Tap Wrench 5 in. long; 5 Taps and 5 Dies, cutting 4, 36; 6, 32; 8, 32; 10, 24; 12, 24	8 00	Drone
mond C Plate, with Tap Wrench. Plate 5 in. long; Tap Wrench 5 in. long; 4 Taps and 4 Dies, cutting 6, 32; 8, 32; 10, 24; 12, 24	7 00	Droop

The Diamond Plates are put up in nice wood cases, and are well made in every respect. The Dies are made in one piece, from the best tool steel, and are cut open one side, to allow for adjustment.

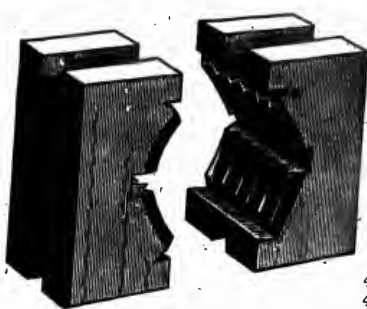
Both Dies and Taps are made to American Screw Company's Standard Machine screws.

Blacksmiths' Stocks and Dies



No.	Description	Price.	Material
6	Cuts $1\frac{1}{2}$ in. to 1 in. Right Hand, 8 threads to inch	\$ 20 00	D
	" $1\frac{1}{2}$ " 1 " Left " 8 " "		
11	Cuts $1\frac{1}{2}$ in. to $\frac{3}{4}$ in. Right Hand, 8 and 10 threads to in...	10 00	D
	" $1\frac{1}{2}$ " $\frac{3}{4}$ " Left " 8 " "		
15	Cuts $1\frac{1}{2}$ in. to $\frac{1}{2}$ in. Right Hand, 8, 10 and 12 threads to in...	10 00	D
	" 1 " $\frac{1}{2}$ " Left " 9 " "		
21	Cuts 1 in. to $\frac{1}{2}$ in. Right Hand, 9, 10 and 14 threads to in...	6 00	D
	" 1 " $\frac{1}{2}$ " Left " 9 " "		
23	Cuts 1 in. to $\frac{3}{8}$ in. Right Hand, 9, 10 and 14 threads to in...	5 00	D
	" 1 " $\frac{3}{8}$ " Left " 10 " 14 " "		
32	Cuts $\frac{3}{4}$ in. to $\frac{1}{2}$ in. Right Hand, 10 and 14 threads to in...	5 00	D
	" $\frac{3}{4}$ " $\frac{1}{2}$ " Left " 10 " 14 " "		
33	Cuts $\frac{3}{4}$ in. to $\frac{1}{2}$ in. Right Hand, 10 threads to in...	4 00	D
	" $\frac{3}{4}$ " $\frac{1}{2}$ " Left " 10 " "		
34	Cuts $\frac{3}{4}$ in. to $\frac{1}{8}$ in. Rt. Hand, 10, 12 and 16 threads to in...	4 50	D
	" $\frac{3}{4}$ " $\frac{1}{8}$ " Left " 10 " 12 " 14 " "		
34 A	Cuts $\frac{3}{4}$ in. to $\frac{1}{8}$ in. Rt. Hand, 10, 12 and 14 threads to in...	4 50	D
	" $\frac{3}{4}$ " $\frac{1}{8}$ " Left " 12 " 14 and 16 threads to in...		
34 B	Cuts $\frac{3}{4}$ in. to $\frac{1}{8}$ in. Rt. Hand, 12, 14 and 16 threads to in...	4 50	D
	" $\frac{3}{4}$ " $\frac{1}{8}$ " Left " 12 " 14 and 16 threads to in...		
35	Cuts $\frac{3}{4}$ in. to $\frac{3}{8}$ in. Right Hand, 10 and 14 threads to in...	4 50	D
	" $\frac{3}{4}$ " $\frac{3}{8}$ " Left " 10 " 14 " "		
37	Cuts $\frac{3}{8}$ in. to $\frac{1}{8}$ in. Rt. Hand, 14, 18 and 22 threads to in...	4 25	D
	" $\frac{3}{8}$ " $\frac{1}{8}$ " Left " 12 " 14 and 16 threads to in...		
37 A	Cuts $\frac{3}{8}$ in. to $\frac{1}{8}$ in. Rt. Hand, 14, 16 and 18 threads to in...	4 25	D
	" $\frac{3}{8}$ " $\frac{1}{8}$ " Left " 14 " 16 and 18 threads to in...		
37 B	Cuts $\frac{3}{8}$ in. to $\frac{1}{8}$ in. Rt. Hand, 12 and 18 threads to in...	4 25	D
	" $\frac{3}{8}$ " $\frac{1}{8}$ " Left " 12 " 18 threads to in...		
38	Cuts $\frac{3}{8}$ in. to $\frac{1}{8}$ in. Right Hand, 12 and 18 threads to in...	4 50	D
	" $\frac{3}{8}$ " $\frac{1}{8}$ " Left " 12 " 18 threads to in...		
41	Cuts $\frac{1}{2}$ in. to $\frac{1}{8}$ in. Right Hand, 16, 20 and 26 threads to in...	3 25	D
	" $\frac{1}{2}$ " $\frac{1}{8}$ " Left " 14 " 16 and 18 threads to in...		
41 A	Cuts $\frac{1}{2}$ in. to $\frac{1}{8}$ in. Right Hand, 14, 16 and 18 threads to in...	3 25	D
	" $\frac{1}{2}$ " $\frac{1}{8}$ " Left " 16 " 18 and 20 threads to in...		
41 B	Cuts $\frac{1}{2}$ in. to $\frac{1}{8}$ in. Right Hand, 16, 18 and 20 threads to in...	3 25	D
	" $\frac{1}{2}$ " $\frac{1}{8}$ " Left " 14 " 14 and 20 threads to in...		
42	Cuts $\frac{1}{2}$ in. to $\frac{3}{8}$ in. Right Hand, 14 and 20 threads to in...	3 50	D
	" $\frac{1}{2}$ " $\frac{3}{8}$ " Left " 14 " 20 threads to in...		
53	Cuts $\frac{3}{8}$ in. to $\frac{1}{8}$ in. Rt. Hand, 16, 20, 24 and 32 threads to in...	2 75	D
	" $\frac{3}{8}$ " $\frac{1}{8}$ " Left " 14 " 14 and 20 threads to in...		

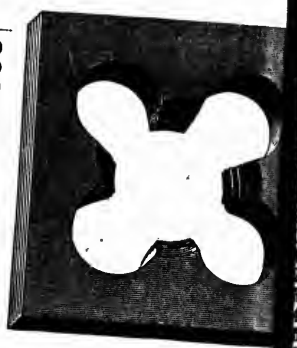
EXTRA DIES FOR B. S. STOCKS



No.	
1 or 2	Stock
3 or 4	"
5 or 5½	"
6	"
7 or 9	"
11 or 15	"
17 or 19	"
21 or 23	"
25, 27 or 32	"
33	"
34, 34A, 34B	Stock
35, 37, 38, 41, 42, 41A, 41B,	
37A, 37B	Stock
45 or 47	Stock
49 or 51	"
53	"
60	"

MACHINE OR SOLID BOLT DIES

Dia.	No. Threads to Inch	Size	Thick-ness	Price
1/8	40	2 1/2 x 2 1/2	1/2 in.	\$1 80
1/8	18	"	1/2	1 80
1/8	16	"	1/2	1 80
1/8	14	"	1/2	1 80
1/8	12	"	1/2	1 80
1/8	11	"	1/2	2 00
1/8	10	"	1/2	2 25
1/8	9	"	1/2	2 40
1/8	8	"	1	2 70
1/8	7	"	1	3 00
1/8	6	"	1	3 30
1/8	6	3 x 3	1	3 60
1/8	5 1/2	"	1	3 90
1/8	5	"	1 1/2	4 20
1/8	5	3 1/2 x 3 1/2	1 1/2	5 40
1/8	4 1/2	3 3/4 x 3 3/4	2	6 50
				7 50



TAP WRENCHES



These Wrenches are well finished in every respect, have Steel Dies, and are strong and durable.

No.	Description	Price	Code
1.	8 inches long, Fitting Taps 1/4 to 3/8 inch	\$1 50	Earl
2.	12 " " " " " "	2 00	Earl
3.	14 " " " " " "	3 00	Earl
4.	17 " " " " " "	4 00	Earl
5.	24 " " " " " "	5 25	Earl

Machine or Nut Taps

V and Franklin Institute Shape of Thread

Long Shank—Relieved

Unless advised to the contrary, we fill orders with V Thread



Diameter	No. Threads to inch	Price Each	Code Standard Thread	Diameter	No. Threads to inch	Price Each	Code Standard Thread
$\frac{1}{8}$	16, 18 and 20	\$ 60	Earth	$1\frac{1}{8}$	4 $\frac{1}{2}$ & 5	\$	
$\frac{1}{4}$	16 and 18	70	Ease	2	4 $\frac{1}{2}$	6 80	Eide
$\frac{3}{8}$	14 and 16	80	Easter	2 $\frac{1}{8}$	4 $\frac{1}{2}$	7 70	Elge
$\frac{1}{2}$	12, 14 and 16	90	Ebb	2 $\frac{1}{4}$	4 $\frac{1}{2}$	9 00	Eke
$\frac{5}{8}$	12 and 14	1 00	Ebony	2 $\frac{3}{8}$	4 $\frac{1}{2}$	10 20	Elap
$\frac{3}{4}$	10, 11 and 12	1 15	Echo	2 $\frac{1}{2}$	4	11 50	Elate
$\frac{7}{8}$	11 and 12	1 30	Eclipse	2 $\frac{3}{4}$	4	12 50	Elbo
1	11 and 12	1 45	Eclogue	2 $\frac{7}{8}$	4	14 00	Eldo
$1\frac{1}{8}$	10	1 60	Economy	3	3 $\frac{1}{2}$	15 00	Elect
$1\frac{1}{4}$	10	1 80	Edder	3 $\frac{1}{8}$	3 $\frac{1}{2}$	16 50	Eleg
$1\frac{3}{8}$	9 and 10	2 10	Eddy	3 $\frac{1}{4}$	3 $\frac{1}{2}$	18 00	Elem
$1\frac{1}{2}$	9	2 40	Edict	3 $\frac{3}{8}$	.....	19 75	Elf
$1\frac{3}{4}$	8	2 80	Edit	3 $\frac{1}{2}$	3 $\frac{1}{2}$	21 50	Elide
$1\frac{7}{8}$	7 and 8	3 20	Editor	3 $\frac{5}{8}$	.....	23 00	Elixu
2	7 and 8	3 70	Eel	3 $\frac{3}{4}$	3 $\frac{1}{2}$	25 00	Elf
$2\frac{1}{8}$	6	4 20	Efflux	3 $\frac{7}{8}$	.....	27 00	Elm
$2\frac{1}{4}$	6	4 70	Egg	3 $\frac{7}{8}$	3	29 50	Elope
$2\frac{3}{8}$	5 and 5 $\frac{1}{2}$	5 30	Egotist	3 $\frac{1}{2}$	.....	31 00	Emba
$2\frac{1}{2}$	5	6 00	Egress	4	3	33 50	Embar

We keep in stock the above, and $\frac{1}{4}$ over size for rough iron.
 In ordering always state exact diameter and thread wanted.
 When exact duplicates are wanted, special orders should always be accompanied by a stub with a nut fitting same.

Diameter	No. Threads to inch	Price Each	Code Standard Thread
$\frac{1}{8}$	16, 18 and 20	\$ 60	Earth
$\frac{1}{4}$	16 and 18	70	Ease
$\frac{3}{8}$	14 and 16	80	Easter
$\frac{1}{2}$	12, 14 and 16	90	Ebb
$\frac{5}{8}$	12 and 14	1 00	Ebony
$\frac{3}{4}$	10, 11 and 12	1 15	Echo
$\frac{7}{8}$	11 and 12	1 30	Eclipse
1	11 and 12	1 45	Eclogue
$1\frac{1}{8}$	10	1 60	Economy
$1\frac{1}{4}$	10	1 80	Edder
$1\frac{3}{8}$	9 and 10	2 10	Eddy
$1\frac{1}{2}$	9	2 40	Edict
$1\frac{3}{4}$	8	2 80	Edit
$1\frac{7}{8}$	7 and 8	3 20	Editor
2	7 and 8	3 70	Eel
$2\frac{1}{8}$	6	4 20	Efflux
$2\frac{1}{4}$	6	4 70	Egg
$2\frac{3}{8}$	5 and 5 $\frac{1}{2}$	5 30	Egotist
$2\frac{1}{2}$	5	6 00	Egress

I keep in Threads made

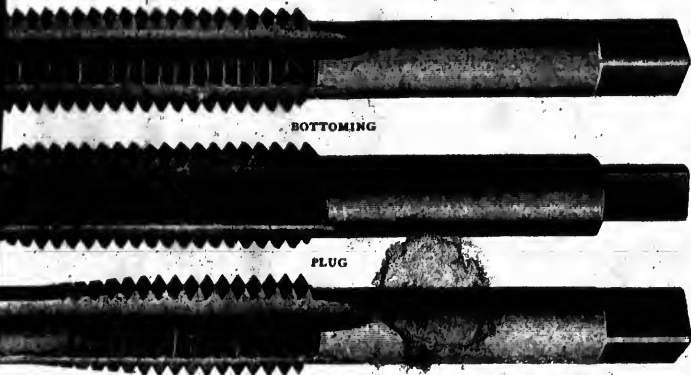
MACHINISTS' HAND TAPS

ut Taps

of Thread

Relieved

orders with V Thread



V AND FRANKLIN INSTITUTE SHAPE OF THREAD

Unless advised to the contrary, we fill orders with the V Threads—Standard Pitch

No. Threads to inch	Price Each	Code
4½ & 5	\$ 6 80	Eide
4½	7 70	Elge
4½	9 00	Eke
4½	10 20	Elap
4½	11 50	Elat
4	12 50	Elbo
4	14 00	Elden
4	15 00	Elec
4	16 50	Eleg
3½	18 00	Elem
3½	19 75	Elif
3½	21 50	Elide
3½	23 00	Elixir
3½	25 00	Elf
3	27 00	Elm
3	29 50	Elope
3	31 00	Emb
3	33 50	Emb

Diameter	No. Threads to Inch	Price, each	Code	Price, per Set	Code
1/8	16, 18 and 20	\$0 45	Embark	\$1 35	Endive
1/8	16 and 18	0 50	Embay	1 50	Endow
1/8	14, 16 and 18	0 55	Ember	1 65	Enemy
1/8	14 and 16	0 60	Emblem	1 80	Energy
1/8	12, 13 and 14	0 70	Emboss	2 10	Engird
1/8	12 and 14	0 80	Embryo	2 40	Engrail
1/8	10, 11 and 12	0 90	Emerald	2 70	Enigma
1/8	11 and 12	1 05	Emery	3 15	Enjoy
1/8	10 and 12	1 20	Eminent	3 60	Enmity
1/8	10	1 40	Emir	4 20	Enrage
1/8	9 and 10	1 60	Emmet	4 80	
1/8	9	1 80	Emperor	5 40	
1/8	8	2 00	Empire	6 00	Entail
1/8	7 and 8	2 25	Emu	6 75	Entice
1/8	7	2 60	Enact	7 80	Entity
1/8	6	3 00	Enamel	9 00	Entrance
1/8	6	3 50	Enamour	10 50	Entry
1/8	5 and 5½	4 20	Encamp	12 60	Environ
1/8	5	5 00	Encomium	15 00	Envoy
1/8	4½ and 5	5 80	Encore	17 40	Epact
1/8	4½	6 70	Endear	20 10	Epic

PULLEY TAPS

r size for rough iron.

and thread wanted.

al orders should alw

ee.

Diameter	No. of Threads to Inch	PRICES						
		6 Inch	8 Inch	10 Inch	12 Inch	14 Inch	16 Inch	18 Inch
3/8	14, 16	\$0 80	\$0 90	\$1 10	\$1 20	.....	.....	.....
1/2	14, 16	0 00	1 00	1 20	1 40	\$1 60	.....	.....
1/2	12, 13	.....	1 30	1 40	1 50	1 60	\$1 80	.....
3/4	12, 13	.....	1 35	1 45	1 55	1 70	1 85	.....
3/4	10, 11	.....	1 40	1 50	1 60	1 75	1 90	.....
1	10, 11	.....	1 50	1 55	1 70	2 00	2 10	.....
1 1/8	10	.....	.....	1 60	1 80	2 10	2 30	\$2 50

I keep in stock the above sizes in V and United States Standard Threads. Other sizes and Threads made to order, and furnished at special prices.

Taper Shank Drills



Diam.	Length	Price Each	Socket	Code	Diam.	Length	Price Each	Socket	Code
1/8	6 1/2	0 60	No. 1, \$1.30	Epicure	1 1/8	14 1/2	\$ 4 65	No. 4, \$4.00	Evince
1/8	6 3/4	0 65		Epigram	1 1/8	14 3/4	4 80		Evoke
1/8	6 7/8	0 70		Epilogue	1 1/8	14 7/8	5 00		Ewer
1/8	6 7/8	0 75		Episode	1 1/8	14 7/8	5 20		Exact
1/8	7	0 80		Epistle	1 1/8	14 7/8	5 40		Exalt
1/8	7 1/4	0 90		Epitaph	1 1/8	14 7/8	5 60		Examp
1/8	7 1/2	0 95		Epithet	1 1/8	14 7/8	5 80		Excel
1/8	7 3/4	1 00		Epitome	1 1/8	15	6 00		Except
1/8	8 1/4	1 10		Epoch	1 1/8	15 1/4	6 30		Excess
1/8	8 1/2	1 20		Equal	1 1/8	15 1/2	6 60		Exclaim
1/8	8 3/4	1 30	Equator	1 1/8	15 3/4	6 90	Execut		
1/8	8 7/8	1 40	Equinox	1 1/8	15 7/8	7 20	Exempt		
1/8	9	1 50	Equip	1 1/8	15 7/8	7 50	Exert		
1/8	9 1/4	1 60	Equity	1 1/8	15 7/8	7 80	Exhaust		
1/8	9 1/2	1 70	Era	1 1/8	15 7/8	8 10	Exhort		
1/8	9 3/4	1 85	Ermine	1 1/8	16	8 40	Exile		
1/8	9 7/8	2 00	Erode	1 1/8	16 1/8	8 60	Exist		
1/8	10	2 15	Errant	1 1/8	16 1/4	8 80	Exodus		
1/8	10 1/4	2 30	Escarp	1 1/8	16 1/4	9 00	Exorcis		
1/8	10 1/2	2 45	Escort	1 1/8	16 1/2	9 20	Exotic		
1/8	10 3/4	2 60	Essay	1 1/8	16 3/4	9 35	Expel		
1/8	10 7/8	2 75	Estate	1 1/8	16 3/4	9 50	Expert		
1/8	10 7/8	2 90	Esteem	1 1/8	16 3/4	9 65	Expiate		
1	11	3 00	Etch	2	16 3/4	9 80	Expire		
1 1/8	11 1/4	3 20	Ether	2 1/8	16 3/4	10 20	Explain		
1 1/8	11 1/2	3 40	Eulogy	2 1/8	17	10 60	Extol		
1 1/8	11 3/4	3 60	Eupathy	2 1/8	17	11 20	Extract		
1 1/8	11 7/8	3 80	Eurus	2 1/8	17	12 00	Exude		
1 1/8	11 7/8	4 00	Evasion	2 1/8	17 1/4	12 80	Exult		
1 1/8	12	4 20	Event	2 1/8	17 1/2	13 60	Byas		
1 1/8	12 1/4	4 40	Evert	2 1/8	18	14 40	Eye		
1 1/8	12 1/2	4 50	Evict	2 1/8	18 1/2	15 00	Eyeclet		
					19	15 60	Eye		

Drills of any size or length, with Taper or Straight Shanks, made to order and to fit any socket desired.

In ordering special Tapers give the length of Shank and diameter each end of it. Straight Shank Drills same length as Taper Shanks at Taper Shank prices.

Drills

Straight Shank Drills

Price Each	Socket	Code
\$ 4 65		Evince
4 80		Evoke
5 00		Ewer
5 20		Exact
5 40		Exalt
5 60		Examp
5 80		Excel
6 00		Excep
6 30		Excess
6 60		Exclain
6 90		Execu
7 20		Exemp
7 50		Exert
7 80		Exhaus
8 10		Exhort
8 40		Exile
8 60		Exist
8 80		Exodus
9 00		Exorcis
9 20		Exotic
9 35		Expel
9 50		Expert
9 65		Expiate
9 80		Expire
10 20		Explain
10 60		Extol
11 20		Extract
12 00		Exude
12 80		Exult
13 60		Byas
14 40		Eye
15 00		Eyelet
15 60		Eye

No. 4, \$4.00

No. 5, \$7.50

Diameter	Price per Dozen	Price, Each	Length in Inches	Code (Each)
1/8	\$1 00	\$0 09	2 1/2	Fable
3/16	1 10	0 10	2 3/4	Fabric
1/4	1 20	0 11	2 3/4	Facade
5/16	1 30	0 12	2 3/4	Facet
3/8	1 45	0 13	3	Facile
7/16	1 60	0 15	3 1/4	Fact
1/2	1 80	0 16	3 1/2	Faction
5/8	2 00	0 18	3 3/4	Factor
3/4	2 20	0 20	3 3/4	Fag
7/8	2 40	0 21	3 3/4	Fagot
1	2 65	0 23	3 3/4	Fain
1 1/8	2 90	0 26	3 3/4	Fair
1 1/4	3 15	0 28	4	Fakir
1 1/2	3 40	0 30	4 1/4	Falcon
1 3/4	3 65	0 32	4 1/4	Fallow
1 7/8	3 90	0 35	4 1/4	Falter
2	4 20	0 37	4 1/2	Famine
2 1/8	4 50	0 40	4 1/2	Famous
2 1/4	4 80	0 42	4 1/2	Fan
2 3/8	5 10	0 45	4 1/2	Fane
2 1/2	5 40	0 48	5	Fang
2 5/8	5 70	0 50	5 1/4	Farce
2 3/4	6 00	0 53	5 1/4	Farina
2 7/8	6 40	0 56	5 1/2	Farmer
3	6 80	0 59	5 1/2	Farrago
3 1/8	7 20	0 63	5 1/2	Farrier
3 1/4	7 50	0 65	5 1/2	Farrow
3 3/8	7 75	0 67	5 1/2	Fascia
3 1/2	8 00	0 70	6	Fashion

Straight Shanks—Taper Shank Length

Drills, made to order.

Diameter each end of it.


Taper Shank prices.

Diameter	Price Each	Length	Code (Each)	Diameter	Price Each	Length	Code (Each)
1/8	\$1 00	7 3/4	Fatal	3/8	\$2 60	10 3/4	Fecund
3/16	1 10	8	Fathom	1/4	2 75	10 3/4	Fee
1/4	1 20	8 1/2	Fatigue	5/16	2 90	10 1/4	Feet
5/16	1 30	8 1/2	Fatness	3/8	3 00	11	Feign
3/8	1 40	8 3/4	Fatty	1/2	3 20	11 1/4	Feint
1/2	1 50	9	Faucet	5/8	3 40	11 1/4	Fellow
3/4	1 60	9 1/2	Faun	3/4	3 60	11 1/4	Felon
5/8	1 70	9 1/2	Favour	7/8	3 80	11 3/4	Felony
3/4	1 85	9 3/4	Fawn	1	4 00	11 3/4	Fen
7/8	2 00	9 3/4	Fay	1 1/8	4 20	12	Fender
1	2 15	10	Feast	1 1/4	4 40	12 1/4	Fennel
1 1/8	2 30	10 1/4	Feature	1 1/2	4 50	12 1/4	Feral
1 1/4	2 45	10 1/4	Febrile				

Bit Stock Drills for Metal or Wood

Diam.	Price per doz.	Price each	Code (each)	Diam.	Price per doz.	Price each	Code (each)
$\frac{3}{8}$	\$1 50	\$0 14	Ferment	$\frac{1}{2}$	\$ 8 80	\$0 75	Fever
$\frac{7}{16}$	1 65	16	Fern	$\frac{1}{2}$	9 60	0 82	Fiat
$\frac{1}{2}$	2 10	20	Ferret	$\frac{1}{2}$	10 30	0 87	Fibre
$\frac{9}{16}$	2 60	24	Ferry	$\frac{1}{2}$	11 00	0 92	Fibril
$\frac{5}{8}$	3 10	29	Ferule	.....	.....	1 20	Fickle
$\frac{3}{4}$	3 60	33	Fervent	.....	.....	1 35	Fiction
$\frac{7}{8}$	4 10	38	Fervour	.....	.....	1 50	Fiddle
$\frac{1}{2}$	4 70	43	Festal	.....	.....	1 65	Fidget
$\frac{1}{2}$	5 40	48	Festoon	.....	.....	1 80	Fief
$\frac{1}{2}$	6 30	54	Fete	.....	.....	1 95	Fiend
$\frac{1}{2}$	7 20	62	Fetter	.....	.....	2 15	Fierce
$\frac{1}{2}$	8 00	68	Fend	.....	.....	2 35	Fiery

Straight Shank Machine Bits for Wood



Diam.	Length	Price each	Code	Diam.	Length	Price each	Code
$\frac{1}{8}$	3 in.	\$0 20	Fife	$\frac{1}{8}$	5 1/2 in.	\$0 70	Filly
$\frac{1}{8}$	3 1/2	25	Fight	$\frac{1}{8}$	5 3/4	0 75	Film
$\frac{1}{8}$	3 3/4	30	Figure	$\frac{1}{8}$	6	0 80	Filter
$\frac{1}{8}$	4	35	Filbert	$\frac{1}{8}$	6 1/4	0 85	Final
$\frac{1}{8}$	4 1/4	40	Filch	$\frac{1}{8}$	6 1/2	0 95	Finch
$\frac{1}{8}$	4 1/2	45	Filial	$\frac{1}{8}$	6 3/4	1 00	Finger
$\frac{1}{8}$	4 3/4	50	Filigree	$\frac{1}{8}$	7	1 15	Finis
$\frac{1}{8}$	4 1/2	55	Fillet	$\frac{1}{8}$	7 1/4	1 35	Finny
$\frac{1}{8}$	5	65	Fillip			1 65	Fire

Parties ordering Machine Bits will please state whether with Drill or Bit Point. Price per set, with Bit Point, $\frac{1}{8}$ in. to $\frac{1}{2}$ in., mounted, varying by 32nds, \$7—Fid

Stubs' Steel Wire Gauge, Straight Shanks

Nos. by Gauge.	Length in Inches	Price per Doz.	Price each	Code (each)
1 to 5	4	\$2 35	\$0 22	Firm
6 to 10	3 1/8	2 25	21	Firman
11 to 15	3 1/4	2 10	20	Fiscal
16 to 20	3 1/2	1 95	19	Fish
21 to 25	3 3/4	1 75	17	Fissure
26 to 30	3 7/8	1 55	15	Fist
31 to 35	2 1/8	1 40	14	Fistula
36 to 40	2 1/4	1 25	12	Fitch
41 to 45	2 1/2	1 10	10	Fitter
46 to 50	2 3/4	0 95	9	Fizz
51 to 65	1 3/4	0 95	9	Flaccid

tal or Wood

per doz.	Price each	Code (e)
80	\$0 75	Fever
60	0 82	Fiat
30	0 87	Fibre
00	0 92	Fibril
.....	1 20	Fickle
.....	1 35	Fiction
.....	1 50	Fiddle
.....	1 65	Fidget
.....	1 80	Fief
.....	1 95	Fiend
.....	2 15	Fierce
.....	2 35	Fiery

for Wood

Price each	Code
\$0 75	Filly
0 70	Film
0 80	Filter
0 85	Final
0 95	Finch
1 00	Finger
1 15	Finis
1 35	Finny
1 65	Fire

with Drill or Bit Point.
ing by 32nds, \$7—Fitt

Price each	Code (each)
22	Firm
21	Firman
20	Fiscal
19	Fish
17	Fissure
15	Fist
14	Fistula
12	Fitch
10	Fitter
9	Fizz
9	Flaccid

Drills with Taper or Straight Shanks

64th SIZES FOR REAMERS



Diameter	Price each	Length	No. of Socket for Taper	Code	Diameter	Price each	Length	No. of Socket for Taper	Code
1 1/16	\$0 60	6 1/2	No. 1, \$1.20	Flag	1 1/16	\$4 00	11 1/2	No. 3, \$2.50	Flit
1 1/8	0 65	6 3/4		Flagon	1 1/8	4 20	12		Float
1 1/4	0 70	6 7/8		Flagrant	1 1/4	4 40	12 1/2		Flock
1 3/8	0 75	6 7/8		Flail	1 3/8	4 50	12 3/4		Flog
1 1/2	0 80	6 7/8		Flake	1 1/2	4 65	14 1/2		Flood
1 5/8	0 85	7		Flam	1 5/8	4 80	14 3/4	Floor	
1 3/4	0 90	7 1/4		Flange	1 3/4	5 00	14 1/2	Flop	
1 7/8	0 95	7 1/2		Flank	1 7/8	5 20	14 3/4	Flora	
2	1 00	7 3/4		Flap	2	5 40	14 3/4	Floret	
2 1/16	1 10	8		Flare	2 1/16	5 60	14 3/4	Florin	
2 1/8	1 20	8 1/4	Flask	2 1/8	5 80	14 3/4	Floss		
2 1/4	1 30	8 1/2	No. 2, \$1.80	Flat	2 1/4	6 00	15	Flour	
2 3/8	1 40	8 3/4		Flaunt	2 3/8	6 30	15 1/2	Flout	
2 1/2	1 50	9		Flavor	2 1/2	6 60	15 1/2	Flow	
2 5/8	1 60	9 1/4		Flax	2 5/8	6 90	15 3/4	Fluent	
2 3/4	1 70	9 1/2		Flay	2 3/4	7 20	15 3/4	Fluid	
2 7/8	1 85	9 3/4		Fleam	2 7/8	7 50	15 3/4	Fluke	
3	2 00	9 3/4		Fleck	3	7 80	15 3/4	Flur	
2 15	2 15	10		Fledge	2 15	8 10	15 3/4	Flush	
2 30	2 30	10 1/2		Fleece	2 30	8 40	16	Flute	
2 45	2 45	10 3/4		Fleet	2 45	8 60	16 1/2	Flux	
2 60	2 60	10 3/4	No. 3, \$2.50	Flew	2 60	8 80	16 1/2	Fluxion	
2 75	2 75	10 3/4		Flicker	2 75	9 00	16 1/2	Foam	
2 90	2 90	10 3/4		Flight	2 90	9 20	16 1/2	Focus	
3 00	3 00	11		Flinch	3 00	9 35	16 1/2	Födder	
3 20	3 20	11 1/4		Fling	3 20	9 50	16 1/2	Foeman	
3 40	3 40	11 1/4		Flip	3 40	9 65	16 1/2	Foil	
3 60	3 60	11 1/4		Fhirt	3 60	9 80	16 1/2	Fold	
3 80	3 80	11 1/4							

STRAIGHT SHANK LETTER SIZE DRILL

Diameter	Size of Hole	Length	Price, per Doz.	Price, Each	Code (Each)
A	.234	3 1/8	\$2 90	\$0 26	Folk
B	.238	3 1/8	3 00	0 27	Follow
C	.242	3 1/8	3 10	0 28	Folly
D	.246	3 1/8	3 20	0 29	Foment
E	.250	3 1/8	3 30	0 30	Fond
F	.257	4 1/8	3 40	0 30	Font
G	.261	4 1/8	3 50	0 31	Food
H	.266	4 1/8	3 60	0 32	Fool
I	.272	4 1/8	3 70	0 33	Fop
J	.277	4 1/8	3 80	0 34	Forage
K	.281	4 1/8	3 90	0 35	Foray
L	.290	4 1/8	4 00	0 36	Force
M	.295	4 1/8	4 10	0 36	Ford
N	.302	4 1/8	4 20	0 37	Foreign
O	.316	4 1/8	4 30	0 38	Foreman
P	.323	4 1/8	4 40	0 39	Forfeit
Q	.332	4 1/8	4 60	0 40	Forge
R	.339	4 1/8	4 80	0 42	Fork
S	.348	4 1/8	5 00	0 44	Form
T	.358	4 1/8	5 20	0 45	Fort
U	.368	5	5 40	0 47	Fortune
V	.377	5	5 60	0 49	Forum
W	.386	5 1/8	5 80	0 51	Forward
X	.397	5 1/8	6 00	0 53	Fossil
Y	.404	5 1/8	6 40	0 55	Foster
Z	.413	5 1/8	6 80	0 59	Fount

SQUARE SHANK RATCHET DRILLS



Diameter	Length	Price	Code	Diameter	Length	Price	Code
1/8	5 in.	\$1 00	Fowl	1/8	6 1/2 in.	\$1 35	Frame
3/16	5 "	1 05	Fox	3/16	6 1/2 "	1 40	Franc
1/4	5 "	1 10	Foxtail	1/4	6 1/2 "	1 45	Frantic
5/16	5 "	1 15	Fracas	5/16	6 1/2 "	1 55	Fraught
3/8	6 "	1 20	Fraction	3/8	7 "	1 75	Fray
7/16	6 1/2 "	1 25	Fragile	7/16	7 1/2 "	2 05	Freak
1/2	6 1/2 "	1 25	Fragment	1/2	8 "	2 30	Freeman
5/8	6 1/2 "	1 30	Fragrant	5/8	8 1/2 "	2 55	Freestone
3/4	6 1/2 "	1 30	Frail	3/4	9 "	3 10	Freeze

Shanks, 3/8 in. x 3/8 in. x 1 1/8 in. long, and 1/2 in. x 1/2 in. x 1 1/2 in. long.

Ste
No. 1.
No. 2.
No. 3.
No. 4.
No. 5.
No. 1 w
No. 2 w
No. 3 w
No. 4 w
No. 1 fit
No. 2 fit
No. 3 fit
No. 4 fit
No. 1.
No. 2.
No. 3.
No. 4.
No. 5.
No. 6.
No. 7.
No. 8.
No. 9.
No. 10.
No. 11.
No. 12.
No. 12. S

SIZE DRILL

Steel Sockets For Taper Shank Drills

MORSE TAPER

Price, Each	Code (Each)
\$0 26	Folk
0 27	Follow
0 28	Folly
0 29	Foment
0 30	Fond
0 30	Font
0 31	Food
0 32	Fool
0 33	Fop
0 34	Forage
0 35	Foray
0 36	Force
0 36	Ford
0 37	Foreign
0 38	Foreman
0 39	Forfeit
0 40	Forge
0 42	Fork
0 44	Form
0 45	Fort
0 47	Fortune
0 49	Forum
0 51	Forward
0 53	Fossil
0 55	Foster
0 59	Fount



No. 100.

No.	Description	Price	Code
No. 1.	Holds $\frac{1}{4}$ to $1\frac{1}{8}$ in. inclusive.	\$1 20	French
No. 2.	Holds $\frac{3}{8}$ to $\frac{1}{2}$ in. inclusive.	1 80	Frenzy
No. 3.	Holds $\frac{1}{2}$ to $1\frac{1}{2}$ in. inclusive.	2 50	Fresco
No. 4.	Holds $1\frac{1}{2}$ to 2 in. inclusive.	4 00	Fresh
No. 5.	Holds $2\frac{1}{4}$ to $2\frac{1}{2}$ in. inclusive.	7 50	Fret



No. 102.

No. 1 with Shank fitted to No. 2 or 3 Socket	\$2 00	Friar
No. 2 with Shank fitted to No. 3 Socket	2 50	Fribble
No. 3 with Shank fitted to No. 4 Socket	3 20	Friend
No. 4 with Shank fitted to No. 5 Socket	4 80	Frigate



No. 104.

No. 1 fitted to No. 2 or 3 Socket	\$1 80	Fright
No. 2 fitted to No. 3 Socket	2 40	Frigid
No. 3 fitted to No. 4 Socket	3 00	Frill
No. 4 fitted to No. 5 Socket	4 40	Fringe

PRICES OF DRILLS IN SETS

No. 1.	Set of Taper Shank Drills, $\frac{1}{4}$ to 1 in., varying by 16ths	\$20 00	Frisk
No. 2.	Set of Taper Shank Drills, $\frac{3}{8}$ to $1\frac{1}{2}$ in., varying by 16ths	34 50	Fath
No. 3.	Set of Taper Shank Drills, $\frac{3}{8}$ to $\frac{1}{2}$ in. by 32ds, $\frac{1}{2}$ to $1\frac{1}{2}$ in. by 16ths	42 00	Fritter
No. 4.	Set of Taper Shank Drills, $\frac{3}{8}$ to $\frac{1}{2}$ in. by 32ds, $\frac{1}{2}$ to 2 in., by 16ths	131 00	Frock
No. 5.	Set Drills, Straight Shanks, $\frac{1}{8}$ to $\frac{1}{2}$ in. by 64ths, mounted	10 00	Frog
No. 6.	Set Drills, Straight Shanks, $\frac{1}{8}$ to $\frac{1}{2}$ in. by 32ds, mounted	5 40	Frolic
No. 7.	Set Drills, from No. 60 to $\frac{1}{2}$ in., mounted	9 90	Front
No. 8.	Set Drills, Steel Wire Gauge, from No. 1 to 60 mounted	8 10	Frost
No. 9.	Half Set Drills, alternate Nos. from 1 to 59, mounted	4 30	Froth
No. 10.	Jewellers' Set of 36 Drills, No. 30 ($\frac{1}{8}$ in.) to No. 65, Steel Wire Gauge, mounted in a Mahogany case with cap	4 25	Frouzy
No. 11.	Set of Taper Shank Drills, $\frac{3}{8}$ to 2 in. by 32ds	240 00	Frown
No. 12.	Set Machine Bits, $\frac{1}{8}$ in. to $\frac{1}{2}$ in., mounted, varying by 32ds	7 00	Fruit
No. 12.	Set Bit Stock Drills, $\frac{1}{8}$ to $\frac{1}{2}$ by 32ds, $\frac{1}{2}$ to $\frac{3}{4}$ by 16ths, boxed	2 60	Frump

DRILLS



Price	Code
\$1 35	Frame
1 40	Franc
1 45	Frantic
1 55	Fraught
1 75	Fray
2 05	Freak
2 30	Freeman
2 55	Freestone
3 10	Freeze

1 1/2 in. long.

Taper Shank Lathe Drills

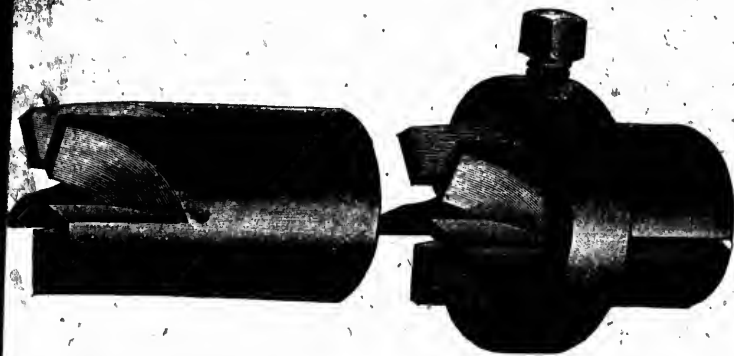
Diam.	Length	Price Each	Socket	Code
$\frac{1}{8}$	6	\$ 0 60	No. 1, \$1.20.	Fuchsia
$\frac{3}{16}$	6	0 65		Fucus
$\frac{1}{4}$	6	0 70		Fudge
$\frac{5}{16}$	6	0 75		Fuel
$\frac{3}{8}$	6	0 80		Fulcrum
$\frac{7}{16}$	7	0 85		Fulgent
$\frac{1}{2}$	7	0 90		Fuller
$\frac{5}{8}$	7	0 95		Fulsome
$\frac{3}{4}$	8	1 10		Fumble
$\frac{7}{8}$	8	1 10		Fume
$\frac{1}{2}$	8	1 20	Fumid	
$\frac{3}{4}$	8	1 30	Fumous	
$\frac{1}{2}$	8	1 40	No. 2, \$1.80.	Function
$\frac{3}{4}$	9	1 50		Fund
$\frac{1}{2}$	9	1 60		Fungus
$\frac{3}{4}$	9	1 70		Funnel
$\frac{1}{2}$	9	1 85		Fur
$\frac{3}{4}$	9	2 00		Furl
$\frac{1}{2}$	10	2 15		Furlong
$\frac{3}{4}$	10	2 30		Furrow
$\frac{1}{2}$	10	2 45		Fury
$\frac{3}{4}$	10	2 60		Furze
$\frac{1}{2}$	10	2 75	No. 3, \$2.50.	Fuse
$\frac{3}{4}$	10	2 90		Fusion
$\frac{1}{2}$	11	3 00		Fuss
$\frac{3}{4}$	11	3 20		Fustian
$\frac{1}{2}$	11	3 40		Fusty
$\frac{3}{4}$	11	3 60		Futile
$\frac{1}{2}$	11	3 80		Future
$\frac{3}{4}$	11	4 00		Fuzz
$\frac{1}{2}$	12	4 20		Gab
$\frac{3}{4}$	12	4 40		Gabion
$\frac{1}{2}$	12	4 50	Gable	
$\frac{1}{8}$	14	\$ 4 65	No. 4, \$4.00.	Gad
$\frac{3}{16}$	14	4 80		Gadfly
$\frac{1}{4}$	14	5 00		Gaff
$\frac{5}{16}$	14	5 20		Gager
$\frac{3}{8}$	14	5 40		Gain
$\frac{7}{16}$	14	5 60		Gainsay
$\frac{1}{2}$	14	5 80		Gait
$\frac{5}{8}$	15	6 00		Gala
$\frac{3}{4}$	15	6 30		Gale
$\frac{7}{8}$	15	6 60		Gall
$\frac{1}{2}$	15	6 90	Galley	
$\frac{3}{4}$	15	7 20	Gallop	
$\frac{1}{2}$	15	7 50	Gambit	
$\frac{3}{4}$	15	7 80	Gamble	
$\frac{1}{2}$	16	8 10	Gambroon	
$\frac{3}{4}$	16	8 40	Game	
$\frac{1}{2}$	16	8 60	Gander	
$\frac{3}{4}$	16	8 80	Gang	
$\frac{1}{2}$	16	9 00	Gantlet	
$\frac{3}{4}$	16	9 20	Gaol	
$\frac{1}{2}$	16	9 35	Gaol	
$\frac{3}{4}$	16	9 50	Gap	
$\frac{1}{2}$	16	9 65	Garb	
$\frac{3}{4}$	16	9 80	Gargle	
$\frac{1}{2}$	16	10 20	No. 5, \$5.00.	Garland
$\frac{3}{4}$	17	10 60		Garlic
$\frac{1}{2}$	17	11 20		Garment
$\frac{3}{4}$	17	12 00		Garner
$\frac{1}{2}$	17	12 80		Garret
$\frac{3}{4}$	17	13 60		Garter
$\frac{1}{2}$	17	14 40		Garth
$\frac{3}{4}$	18	15 20		Gas
$\frac{1}{2}$	18	16 00		Gash
$\frac{3}{4}$	19	16 80		

Straight Shank Drills same length as Taper Shanks at Taper Prices.

Size Hole \$
 $\frac{1}{8}$
 $\frac{3}{16}$
 $\frac{1}{4}$
 $\frac{5}{16}$
 $\frac{3}{8}$
 $\frac{7}{16}$
 $\frac{1}{2}$
 $\frac{5}{8}$
 $\frac{3}{4}$
 $\frac{7}{8}$
 1
 Taper Ros
 "
 "
 The a

the Drills

Lathe Mills



Price Each	Socket	Code
4 65		Gad
4 80		Gadfly
5 00		Gaff
5 20		Gag
5 40		Gager
5 60		Gain
5 80		Gainsay
6 00		Gait
6 30		Gala
6 60		Gale
6 90		Gall
7 20		Galley
7 50		Gallop
7 80		Gambit
8 10		Gamble
8 40		Gambroon
8 60		Game
8 80		Gander
9 00		Gang
9 20		Gantlet
9 50		Gaul
9 80		Garb
10 00		Gargle
20		Garland
60		Garlic
2		Garment
0		Garner
0		Garret
0		Garter
0		Garth
0		Gas
0		Gash

No. 4, \$4.00

CLASS B.

CLASS A. ADJUSTABLE.

Size Hole	Price Each	Outside Diam.	Length	Code	Size Hole	Price Each	Outside Diam.	Length	Code
$\frac{3}{32}$	\$1 00	$\frac{1}{2}$	1 1/2 in	Gaskin	$\frac{3}{32}$	\$1 75	$\frac{1}{2}$	1 1/2 in	Geneva
$\frac{1}{8}$	1 00	$\frac{1}{2}$	1 1/2	Gasp	$\frac{1}{8}$	1 75	$\frac{1}{2}$	1 1/2	Genial
$\frac{1}{16}$	1 00	$\frac{1}{2}$	1 1/2	Gastric	$\frac{1}{16}$	1 75	$\frac{1}{2}$	1 1/2	Genius
$\frac{3}{32}$	1 00	$\frac{1}{2}$	1 1/2	Gate	$\frac{3}{32}$	1 75	$\frac{1}{2}$	1 1/2	Gentian
$\frac{1}{8}$	1 00	$\frac{1}{2}$	1 1/2	Gather	$\frac{1}{8}$	1 75	$\frac{1}{2}$	1 1/2	Gentle
$\frac{1}{16}$	1 50	$\frac{1}{2}$	1 1/2	Gaud	$\frac{1}{16}$	1 75	$\frac{1}{2}$	1 1/2	Genuine
$\frac{3}{32}$	1 50	$\frac{1}{2}$	1 1/2	Gauge	$\frac{3}{32}$	2 25	$\frac{1}{2}$	1 1/2	Genus
$\frac{1}{8}$	1 50	$\frac{1}{2}$	1 1/2	Gault	$\frac{1}{8}$	2 25	$\frac{1}{2}$	1 1/2	Germ
$\frac{1}{16}$	1 50	$\frac{1}{2}$	1 1/2	Gaunt	$\frac{1}{16}$	2 25	$\frac{1}{2}$	1 1/2	German
$\frac{3}{32}$	2 50	1	1 1/2	Ganze	$\frac{3}{32}$	2 25	1	1 1/2	Gerund
$\frac{1}{8}$	2 50	1	1 1/2	Gaze	$\frac{1}{8}$	3 25	1	1 1/2	Giant
$\frac{1}{16}$	2 50	1 1/4	2	Gear	$\frac{1}{16}$	3 25	1 1/4	2	Gib
$\frac{3}{32}$	3 00	1 1/4	2	Gecko	$\frac{3}{32}$	3 25	1 1/4	2	Gibbon
$\frac{1}{8}$	3 00	1 1/2	2	Gelid	$\frac{1}{8}$	4 25	1 1/2	2	Gibe
$\frac{1}{16}$	3 00	1 1/2	2	Gem	$\frac{1}{16}$	4 25	1 1/2	2	Gift
$\frac{3}{32}$	3 75	1 3/4	2 1/2	Gender	$\frac{3}{32}$	5 00	1 3/4	2 1/2	Gild
$\frac{1}{8}$	3 75	1 3/4	2 1/2	Generic	$\frac{1}{8}$	5 00	1 3/4	2 1/2	Gilt
$\frac{1}{16}$	3 75	1 3/4	2 1/2	Genet	$\frac{1}{16}$	5 00	1 3/4	2 1/2	Gimlet

TAPER REAMERS



Taper Reamer for Drill Socket No.	Price.	Code.
1	\$2 40	Gimp
2	2 80	Gin
3	3 40	Gingal
4	4 20	Gingle
5	6 60	Gipsy

The above is the American list. Add 10% for net cash prices, f.o.b., Toronto.

Drills Fitting the Prentice or Worcester Blacksmith's Drill Press

Diameter	Length	Price	Code	Diameter	Length	Price	Code
	Inch	Each			Inch	Each	
$\frac{1}{8}$	5 $\frac{1}{2}$	\$0 45	Gird	$\frac{3}{32}$	10 $\frac{1}{4}$	\$2 30	Glover
$\frac{5}{32}$	5 $\frac{3}{8}$	0 45	Girt	$\frac{7}{8}$	10 $\frac{1}{2}$	2 45	Gloze
$\frac{1}{8}$	5 $\frac{3}{8}$	0 50	Gist	$\frac{3}{32}$	10 $\frac{3}{8}$	2 60	Glue
$\frac{7}{32}$	5 $\frac{3}{8}$	0 55	Gizzard	$\frac{1}{8}$	10 $\frac{3}{4}$	2 75	Glum
$\frac{1}{4}$	6 $\frac{1}{8}$	0 60	Glacial	$\frac{3}{32}$	10 $\frac{3}{4}$	2 90	Glut
$\frac{9}{32}$	6 $\frac{1}{4}$	0 65	Glade	1	11	3 00	Gnarl
$\frac{1}{8}$	6 $\frac{3}{8}$	0 70	Glair	1 $\frac{1}{32}$	11 $\frac{1}{8}$	3 20	Gnash
$\frac{1}{2}$	6 $\frac{3}{8}$	0 75	Gland	1 $\frac{1}{16}$	11 $\frac{1}{4}$	3 40	Gnat
$\frac{3}{8}$	6 $\frac{3}{4}$	0 80	Glass	1 $\frac{3}{32}$	11 $\frac{1}{2}$	3 60	Gnaw
$\frac{1}{2}$	7	0 85	Glaze	1 $\frac{1}{4}$	11 $\frac{3}{4}$	3 80	Gneiss
$\frac{1}{8}$	7 $\frac{1}{4}$	0 90	Gleam	1 $\frac{5}{32}$	11 $\frac{3}{4}$	4 00	Gnomon
$\frac{1}{8}$	7 $\frac{1}{2}$	0 95	Glean	1 $\frac{1}{16}$	12	4 20	Goad
$\frac{1}{2}$	7 $\frac{1}{2}$	1 00	Glebe	1 $\frac{7}{32}$	12 $\frac{1}{8}$	4 40	Goar
$\frac{1}{4}$	8	1 10	Glen	1 $\frac{1}{4}$	12 $\frac{1}{4}$	4 50	Gobbet
$\frac{1}{8}$	8 $\frac{1}{4}$	1 20	Glib	1 $\frac{9}{32}$	12 $\frac{1}{4}$	4 65	Goblin
$\frac{1}{8}$	8 $\frac{1}{2}$	1 30	Glidè	1 $\frac{1}{8}$	12 $\frac{3}{8}$	4 80	Goglet
$\frac{5}{8}$	8 $\frac{3}{4}$	1 40	Glimmer	1 $\frac{1}{2}$	12 $\frac{3}{8}$	5 00	Golf
$\frac{3}{4}$	9	1 50	Glimpse	1 $\frac{1}{4}$	12 $\frac{1}{2}$	5 20	Gondola
$\frac{1}{2}$	9 $\frac{1}{4}$	1 60	Glister	1 $\frac{3}{8}$	12 $\frac{1}{2}$	5 40	Gong
$\frac{3}{8}$	9 $\frac{1}{2}$	1 70	Gloat	1 $\frac{7}{16}$	12 $\frac{3}{8}$	5 60	Gordian
$\frac{1}{4}$	9 $\frac{3}{4}$	1 85	Globe	1 $\frac{1}{2}$	12 $\frac{3}{8}$	5 80	Gore
$\frac{3}{8}$	9 $\frac{3}{4}$	2 00	Gloom	1 $\frac{1}{2}$	12 $\frac{3}{8}$	6 00	Gorge
$\frac{1}{2}$	10	2 15	Gloss				

The above Drills have Shanks 2 $\frac{1}{2}$ in. long, and $\frac{1}{4}$ in. diameter.

Diam.	Length	Price	Code
$\frac{1}{4}$	5 $\frac{1}{2}$	\$0 45	Gird
$\frac{5}{32}$	5 $\frac{3}{8}$	0 45	Girt
$\frac{1}{8}$	5 $\frac{3}{8}$	0 50	Gist
$\frac{7}{32}$	5 $\frac{3}{8}$	0 55	Gizzard
$\frac{1}{4}$	6 $\frac{1}{8}$	0 60	Glacial
$\frac{9}{32}$	6 $\frac{1}{4}$	0 65	Glade
$\frac{1}{8}$	6 $\frac{3}{8}$	0 70	Glair
$\frac{1}{2}$	6 $\frac{3}{8}$	0 75	Gland
$\frac{3}{8}$	6 $\frac{3}{4}$	0 80	Glass
$\frac{1}{2}$	7	0 85	Glaze
$\frac{1}{8}$	7 $\frac{1}{4}$	0 90	Gleam
$\frac{1}{8}$	7 $\frac{1}{2}$	0 95	Glean
$\frac{1}{2}$	7 $\frac{1}{2}$	1 00	Glebe
$\frac{1}{4}$	8	1 10	Glen
$\frac{1}{8}$	8 $\frac{1}{4}$	1 20	Glib
$\frac{1}{8}$	8 $\frac{1}{2}$	1 30	Glidè
$\frac{5}{8}$	8 $\frac{3}{4}$	1 40	Glimmer
$\frac{3}{4}$	9	1 50	Glimpse
$\frac{1}{2}$	9 $\frac{1}{4}$	1 60	Glister
$\frac{3}{8}$	9 $\frac{1}{2}$	1 70	Gloat
$\frac{1}{4}$	9 $\frac{3}{4}$	1 85	Globe
$\frac{3}{8}$	9 $\frac{3}{4}$	2 00	Gloom
$\frac{1}{2}$	10	2 15	Gloss

The true, to fit stamped or raw-hide h

Diameter	Length	Price	Code
$\frac{1}{4}$ in.	5 $\frac{1}{2}$	\$0 45	Gird
$\frac{5}{32}$	5 $\frac{3}{8}$	0 45	Girt
$\frac{1}{8}$	5 $\frac{3}{8}$	0 50	Gist
$\frac{7}{32}$	5 $\frac{3}{8}$	0 55	Gizzard
$\frac{1}{4}$	6 $\frac{1}{8}$	0 60	Glacial
$\frac{9}{32}$	6 $\frac{1}{4}$	0 65	Glade
$\frac{1}{8}$	6 $\frac{3}{8}$	0 70	Glair
$\frac{1}{2}$	6 $\frac{3}{8}$	0 75	Gland
$\frac{3}{8}$	6 $\frac{3}{4}$	0 80	Glass
$\frac{1}{2}$	7	0 85	Glaze
$\frac{1}{8}$	7 $\frac{1}{4}$	0 90	Gleam
$\frac{1}{8}$	7 $\frac{1}{2}$	0 95	Glean
$\frac{1}{2}$	7 $\frac{1}{2}$	1 00	Glebe
$\frac{1}{4}$	8	1 10	Glen
$\frac{1}{8}$	8 $\frac{1}{4}$	1 20	Glib
$\frac{1}{8}$	8 $\frac{1}{2}$	1 30	Glidè
$\frac{5}{8}$	8 $\frac{3}{4}$	1 40	Glimmer
$\frac{3}{4}$	9	1 50	Glimpse
$\frac{1}{2}$	9 $\frac{1}{4}$	1 60	Glister
$\frac{3}{8}$	9 $\frac{1}{2}$	1 70	Gloat
$\frac{1}{4}$	9 $\frac{3}{4}$	1 85	Globe
$\frac{3}{8}$	9 $\frac{3}{4}$	2 00	Gloom
$\frac{1}{2}$	10	2 15	Gloss

The above

ter Blacksmith's

Common Sense Expansion Reamer

Price	Code
Each	
\$2 30	Glover
2 45	Gloze
2 60	Glue
2 75	Glum
2 90	Glut
3 00	Gnarl
3 20	Gnash
3 40	Gnat
3 60	Gnaw
3 80	Gneiss
4 00	Gnomon
4 20	Goad
4 40	Goar
4 50	Gobbet
4 65	Goblin
80	Goglet
00	Golf
20	Gondola
40	Gong
60	Gordian
80	Gore
00	Gorge

Diam.	Length	Length of Flute	Price	Code	Diam.	Length	Length of Flute	Price	Code
$\frac{1}{8}$	$3\frac{3}{8}$	$1\frac{7}{8}$	\$1 75	Gorget	$1\frac{5}{8}$	10 $\frac{1}{2}$	$5\frac{1}{2}$	\$6 80	Gradius
$\frac{1}{4}$	4	$1\frac{7}{8}$	1 85	Gorgon	$1\frac{3}{4}$	10 $\frac{1}{2}$	$5\frac{1}{2}$	7 00	Graft
$\frac{3}{8}$	$4\frac{1}{2}$	$2\frac{1}{4}$	2 00	Gormand	$1\frac{1}{2}$	10 $\frac{1}{2}$	$5\frac{1}{2}$	7 50	Grain
$\frac{1}{2}$	$4\frac{1}{2}$	$2\frac{1}{2}$	2 15	Gorse	$1\frac{1}{2}$	10 $\frac{1}{2}$	6	8 00	Grampus
$\frac{5}{8}$	5	$2\frac{1}{2}$	2 35	Goshawk	$1\frac{5}{8}$	11 $\frac{1}{4}$	$6\frac{1}{2}$	8 50	Grand
$\frac{3}{4}$	$5\frac{1}{8}$	$2\frac{3}{4}$	2 50	Gossah	$1\frac{3}{4}$	11 $\frac{1}{4}$	$6\frac{1}{2}$	9 00	Grange
$\frac{7}{8}$	$5\frac{1}{4}$	$3\frac{1}{4}$	2 75	Gossip	$1\frac{1}{2}$	11 $\frac{1}{2}$	$6\frac{3}{4}$	9 50	Granite
1	6 $\frac{1}{8}$	$3\frac{3}{8}$	3 00	Goth	$1\frac{1}{2}$	11 $\frac{1}{2}$	$6\frac{3}{4}$	10 00	Grant
$1\frac{1}{8}$	$6\frac{1}{4}$	$3\frac{3}{8}$	3 25	Gouge	$1\frac{1}{2}$	11 $\frac{1}{2}$	$6\frac{3}{4}$	10 50	Grape
$1\frac{1}{4}$	7 $\frac{1}{4}$	4	3 50	Gourd	$1\frac{1}{2}$	11 $\frac{1}{2}$	$6\frac{1}{2}$	11 00	Graphic
$1\frac{3}{8}$	$7\frac{1}{8}$	$4\frac{1}{8}$	4 15	Gout	$1\frac{1}{2}$	12	$6\frac{1}{2}$	11 50	Grasp
$1\frac{1}{2}$	8 $\frac{1}{8}$	$4\frac{1}{8}$	4 25	Govern	2	12 $\frac{1}{2}$	7	12 00	Grass
1	8 $\frac{1}{2}$	4 $\frac{1}{2}$	4 60	Gown	$2\frac{1}{4}$	12 $\frac{3}{4}$	$7\frac{1}{4}$	13 50	Grate
$1\frac{1}{8}$	9	$5\frac{1}{4}$	5 00	Grab	$2\frac{1}{4}$	13	$7\frac{1}{4}$	15 20	Grater
$1\frac{1}{4}$	$9\frac{1}{4}$	$5\frac{1}{4}$	5 35	Grace	$2\frac{1}{2}$	13 $\frac{1}{2}$	$7\frac{1}{2}$	16 75	Gratis
$1\frac{3}{8}$	$9\frac{1}{8}$	$5\frac{1}{8}$	5 70	Grade	$2\frac{1}{2}$	14	$7\frac{1}{2}$	18 50	Gravel
$1\frac{1}{2}$	9 $\frac{1}{2}$	$5\frac{1}{2}$	6 10	Gradual					

Hardened and Ground Steel Mandrils



These mandrils are made of good Tool Steel, hardened and ground perfectly true, to fit holes reamed by our reamers. They are slightly tapering and the size is stamped on the large end. They are not injured by careful driving. We recommend raw-hide hammers for that purpose.

Diameter	Length	Price each	Code	Diameter	Length	Price each	Code
$\frac{1}{4}$ in.	$3\frac{3}{4}$ in.	\$0 65	Graven	$1\frac{1}{2}$ in.	$8\frac{1}{2}$ in.	\$2 75	Grocer
$\frac{3}{8}$	4	0 75	Gravity	$1\frac{3}{4}$	9	2 10	Groom
$\frac{1}{2}$	$4\frac{1}{2}$	0 85	Graze	$1\frac{1}{2}$	$9\frac{1}{2}$	3 50	Grope
$\frac{5}{8}$	$4\frac{1}{2}$	0 95	Grease	$1\frac{3}{4}$	10	3 90	Grot
$\frac{3}{4}$	5	1 05	Grack	$1\frac{3}{4}$	$10\frac{1}{2}$	4 35	Group
$\frac{7}{8}$	$5\frac{1}{4}$	1 15	Gracet	2	11	4 80	Grouse
1	$5\frac{1}{2}$	1 25	Griffin	$2\frac{1}{4}$	$11\frac{1}{2}$	5 60	Groust
$1\frac{1}{8}$	$5\frac{3}{4}$	1 35	Grig	$2\frac{1}{4}$	12	6 50	Grove
$1\frac{1}{4}$	6	1 45	Grill	$2\frac{1}{4}$	12	7 40	Growth
$1\frac{3}{8}$	$6\frac{1}{4}$	1 55	Grimace	$2\frac{1}{2}$	13	8 40	Grown
$1\frac{1}{2}$	$6\frac{1}{2}$	1 70	Grind	$2\frac{1}{2}$	13	9 40	Grub
$1\frac{3}{4}$	$6\frac{3}{4}$	1 85	Grip	$2\frac{3}{4}$	13	10 50	Grudge
1	7	2 00	Grit	$2\frac{3}{4}$	13	11 60	Gruff
$1\frac{1}{4}$	$7\frac{1}{2}$	2 20	Groan	3	13	12 80	Grum
$1\frac{3}{4}$	8	2 45	Groat				

The above are the American lists. Add 10% for net cash price f.o.b. Toronto.

WILLIAMS' PATENT
Self-Feeding Reamer

ECCENTRIC FLUTES



Diameter	Full Length	Length of Flute	Price, Each	Code
1/8	4	2	\$1 40	Grunt
1/8	4 1/2	2 1/2	1 50	Guano
1/8	5	2 1/2	1 60	Guard
1/8	5 1/2	2 3/4	1 75	Guess
1/8	6	3	1 90	Guest
1/8	6 1/2	3 1/4	2 00	Guide
1/8	7	3 1/2	2 20	Guild
1/8	7 1/8	3 1/8	2 40	Guinea
1/8	8 1/8	4 1/8	2 60	Guitar
1/8	9 1/8	4 1/8	2 80	Gulf
1/8	9 1/8	4 1/8	3 10	Gull
1/8	10 1/8	5 1/8	3 40	Gulp
1/8	10 1/8	5 1/8	3 70	Gur
1/8	11 1/8	5 1/8	4 00	Gargle
1/8	11 1/8	5 1/8	4 30	Gurnet
1/8	12	6	4 60	Gush
1/8	12 1/4	6 1/4	4 90	Gust
1/8	12 7/8	6 1/8	5 20	Gutter
1/8	12 3/8	6 3/8	5 60	Gymnast
1/8	13	6 1/2	6 00	Gypsum
1/8	13	6 1/2	6 40	Gyve
1/8	13	6 1/2	6 80	Habit
1/8	13 1/8	6 1/8	7 20	Hack
1/8	13 1/4	6 1/4	7 60	Haddock
1/8	13 1/2	6 1/2	8 00	Haft
1/8	13 3/4	6 3/4	8 40	Haggis
1/8	14	7	8 80	Hail
1/8	14	7	9 20	Halberd
2	14	7	9 60	Halibut

Reamers of any style, size or length made to order. If for Brass, please so advise.

PRICES OF
SOLID REAMERS PER SET

Jobber's Set, 1/4 to 1 in. diam.....	\$30 00	Code. Hall
" 1/4 to 1 1/4 ".....	48 00	Halliard
" 1/4 to 1 1/2 ".....	70 00	Halloo

Reamers made without the Screw Point, if desired.

The above is the American List. Add 10% for net cash prices, f.o.b., Toronto.

mer

Shell Reamers

Each	Code
40	Grunt
50	Guano
60	Guard
75	Guess
90	Guest
90	Guide
90	Guild
00	Guinea
00	Guitar
00	Gulf
00	Gull
00	Gulp
00	Gum
00	Gurgle
00	Gurnet
00	Gush
00	Gust
00	Gutter
00	Gymnast
00	Gypsum
00	Gyve
00	Habit
00	Hack
00	Haddock
00	Haft
00	Haggis
00	Hail
00	Halberd
00	Halibut



Diam.	Length	Size Hole	Price Each	Code	Diam.	Length	Size Hole	Price Each	Code
1 1/8	1 1/2	1/8	\$ 1 10	Hallow	1 1/8	3 1/2	1	\$ 3 80	Haul
1 1/8	1 1/2	1/8	1 10	Halt	1 1/8	3 1/2	1	4 10	Haum
1 1/8	1 1/2	1/8	20	Hamlet	1 1/8	3 1/2	1	4 40	Haunch
1 1/8	1 1/2	1/8	30	Hammer	1 1/8	3 1/2	1	4 70	Hautboy
1 1/8	2	1/8	40	Hammock	1 1/8	3 1/2	1	5 00	Hauteur
1 1/8	2	1/8	1 50	Hamper	2	3 1/2	1	5 20	Haven
1 1/8	2 1/4	1/8	1 60	Hanaper	2 1/8	3 3/4	1 1/4	5 40	Havoc
1 1/8	2 1/4	1/8	1 60	Handsel	2 1/8	3 3/4	1 1/4	5 60	Hawk
1 1/8	2 1/4	1/8	1 60	Hank	2 1/8	3 3/4	1 1/4	5 80	Hawser
1 1/8	2 1/4	1/8	1 70	Harass	2 1/8	3 3/4	1 1/4	6 00	Hayric
1 1/8	2 1/4	1/8	1 70	Harbour	2 1/8	3 3/4	1 1/4	6 20	Hazard
1 1/8	2 1/4	1/8	1 80	Hare	2 1/8	3 3/4	1 1/4	6 40	Hazel
1 1/8	2 1/4	1/8	1 80	Haricot	2 1/8	3 3/4	1 1/4	6 60	Hazy
1 1/8	2 1/4	1/8	1 80	Harm	2 1/8	3 3/4	1 1/4	6 80	Heady
1 1/8	2 1/4	1/8	1 90	Harmony	2 1/8	4	1 1/2	7 00	Heal
1 1/8	2 1/4	1/8	2 00	Harper	2 1/8	4	1 1/2	7 30	Heart
1 1/8	2 1/4	1/8	2 20	Harpoon	2 1/8	4	1 1/2	7 60	Heat
1 1/8	3	1/8	2 40	Harrier	2 1/8	4	1 1/2	8 00	Heave
1 1/8	3	1/8	2 60	Hart	2 1/8	4	1 1/2	8 40	Hectic
1 1/8	3	1/8	2 80	Harvest	2 1/8	4	1 1/2	8 80	Hector
1 1/8	3	1/8	3 00	Hasp	2 1/8	4	1 1/2	9 20	Hedge
1 1/8	3	1/8	3 20	Hatch	2 1/8	4	1 1/2	9 60	Heel
1 1/8	3	1/8	3 50	Hatter	3	4	1 1/2		

order If for Brass,

SET

\$30 00	Hall
48 00	Halliard
70 00	Halloo

f desired.

f.o.b., Toronto.

Shell Reamers of any size or length made to order.

The above is the American List. Add 10% for net cash prices, f.o.b., Toronto.

SOHO MACHINE WORKS, TORONTO

Fluted Chucking Reamers



Diam.	Full Length	Length of Flute	Price Each	Code	Diam.	Full Length	Length of Flute	Price Each	Code
$\frac{1}{8}$	6 in.	$\frac{7}{8}$	\$ 0 90	Heft	$1\frac{3}{8}$	11 in.	1 $\frac{1}{2}$	\$2 75	Hero
$\frac{1}{4}$	6	$\frac{7}{8}$	1 00	Heir	$1\frac{1}{2}$	11 $\frac{1}{2}$	1 $\frac{1}{2}$	2 90	Heroic
$\frac{3}{8}$	7	1	1 10	Helix	$1\frac{5}{8}$	11 $\frac{1}{2}$	1 $\frac{1}{2}$	3 05	Heron
$\frac{1}{2}$	7	1	1 20	Helm	$1\frac{3}{4}$	12	2	3 20	Herring
$\frac{5}{8}$	8	1 $\frac{1}{8}$	1 30	Helmet	$1\frac{7}{8}$	12	2	3 35	Hesitant
$\frac{3}{4}$	8	1 $\frac{1}{8}$	1 40	Hemlock	$1\frac{1}{2}$	12 $\frac{1}{2}$	2 $\frac{1}{4}$	3 50	Hetman
$\frac{7}{8}$	9	1 $\frac{1}{4}$	1 50	Hempen	$1\frac{5}{8}$	12 $\frac{1}{2}$	2 $\frac{1}{4}$	3 65	Hiatus
1	9 $\frac{1}{2}$	1 $\frac{1}{2}$	1 60	Herald	$1\frac{3}{4}$	13	2 $\frac{1}{4}$	3 80	Hiccup
$1\frac{1}{8}$	9 $\frac{1}{2}$	1 $\frac{1}{2}$	1 70	Herb	$1\frac{1}{2}$	13 $\frac{1}{2}$	2 $\frac{1}{4}$	4 00	Hide
$1\frac{1}{4}$	10	1 $\frac{3}{4}$	1 85	Herbage	$1\frac{3}{4}$	13 $\frac{1}{2}$	2 $\frac{1}{4}$	4 20	High
$1\frac{3}{8}$	10	1 $\frac{3}{4}$	2 00	Herbal	$1\frac{3}{8}$	13 $\frac{1}{2}$	2 $\frac{1}{4}$	4 40	Hill
$1\frac{1}{2}$	10 $\frac{1}{2}$	1 $\frac{3}{4}$	2 15	Heriot	$1\frac{1}{2}$	14	2 $\frac{1}{4}$	4 60	Hillock
$1\frac{3}{4}$	10 $\frac{1}{2}$	1 $\frac{3}{4}$	2 30	Heritage	$1\frac{1}{2}$	14	2 $\frac{1}{4}$	4 80	Hilt
$1\frac{7}{8}$	11	1 $\frac{3}{4}$	2 45	Hermit	2	14	2 $\frac{1}{4}$	5 00	Hinder
$1\frac{1}{2}$	11	1 $\frac{3}{4}$	2 60	Hernia					

The above Reamers are all .005 smaller than standard size.

ROSE CHUCKING REAMERS



Diameter	Full Length	Price Each	Code	Diameter	Full Length	Price Each	Code
$\frac{1}{8}$	6 in.	\$0 80	Hinge	$1\frac{1}{8}$	11 in.	\$2 55	Hole
$\frac{1}{4}$	6	0 90	Hint	$1\frac{1}{4}$	11 $\frac{1}{2}$	2 70	Holla
$\frac{3}{8}$	7	1 00	Hirsute	$1\frac{3}{8}$	11 $\frac{1}{2}$	2 85	Holland
$\frac{1}{2}$	7	1 10	Hispid	$1\frac{1}{2}$	12	3 00	Holly
$\frac{5}{8}$	8	1 20	Hitch	$1\frac{3}{4}$	12	3 15	Holm
$\frac{3}{4}$	8	1 30	Hive	$1\frac{1}{2}$	12 $\frac{1}{2}$	3 30	Holster
$\frac{7}{8}$	9	1 40	Hoar	$1\frac{5}{8}$	12 $\frac{1}{2}$	3 45	Homage
1	9	1 50	Hoarse	$1\frac{3}{4}$	13	3 60	Homily
$1\frac{1}{8}$	9 $\frac{1}{2}$	1 60	Hoard	$1\frac{1}{2}$	13	3 75	Hominy
$1\frac{1}{4}$	9 $\frac{1}{2}$	1 70	Hobnail	$1\frac{3}{4}$	13 $\frac{1}{2}$	3 90	Hommock
$1\frac{3}{8}$	10	1 80	Hock	$1\frac{1}{2}$	13 $\frac{1}{2}$	4 05	Homology
$1\frac{1}{2}$	10	1 95	Hodman	$1\frac{1}{4}$	14	4 20	Hone
$1\frac{3}{4}$	10 $\frac{1}{2}$	2 10	Hoiden	$1\frac{3}{8}$	14	4 40	Hood
$1\frac{7}{8}$	10 $\frac{1}{2}$	2 25	Hoist	$1\frac{1}{2}$	14	4 60	Hoof
$1\frac{1}{2}$	11	2 40	Holder	2	14		

The above are the American Lists. Add 10% for net cash prices, f.o.b., Toronto.

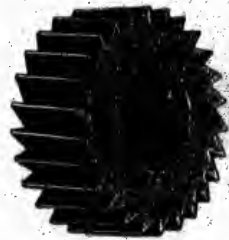
Width of Face. Diameter.

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th	Price	Code
le	Each	
	\$2 75	Hero
	2 90	Heroic
	3 05	Heron
	3 20	Herring
	3 35	Hesitant
	3 50	Hetman
	3 65	Hiatus
	3 80	Hiccup
	4 00	Hide
	4 20	High
	4 40	Hill
	4 60	Hillock
	4 80	Hilt
	5 00	Hinder

Milling Cutters



Add 10 per cent. to this list for net prices, F.O.B., Toronto.

ard size.

S

Price Each	Code
2 55	Hole
2 70	Holla
2 85	Holland
3 00	Holly
3 15	Holm
3 30	Holster
3 45	Homage
3 60	Homily
3 75	Hominy
3 90	Hommock
4 05	Homology
4 20	Hone
4 40	Hood
4 60	Hoof

Width of Face.	Diameter.		Diameter.		Diameter.		Diameter.		Diameter.		Diameter.	
	Diameter.	Price.	Diameter.	Price.	Diameter.	Price.	Diameter.	Price.	Diameter.	Price.	Diameter.	Price.
1	2 1/2	\$1 50	2 1/2	\$1 75	3	\$1 95	3 1/2	\$2 50	4	\$3 20	5	\$4 45
1 1/4	2 1/2	1 60	2 1/2	1 90	3	2 10	3 1/2	2 70	4	3 40	5	4 70
1 1/2	2 1/2	1 70	2 1/2	2 00	3	2 25	3 1/2	2 90	4	3 60	5	4 95
1 3/4	2 1/2	1 80	2 1/2	2 10	3	2 40	3 1/2	3 10	4	3 80	5	5 20
2	2 1/2	1 90	2 1/2	2 20	3	2 55	3 1/2	3 30	4	4 00	5	5 45
2 1/4	2 1/2	2 10	2 1/2	2 50	3	2 85	3 1/2	3 60	4	4 40	5	5 95
2 1/2	2 1/2	2 30	2 1/2	2 75	3	3 15	3 1/2	4 00	4	4 80	5	6 75
2 3/4	2 1/2	2 50	2 1/2	3 00	3	3 45	3 1/2	4 50	4	5 25	5	7 35
3	2 1/2	2 80	2 1/2	3 25	3	3 75	3 1/2	4 90	4	5 75	5	7 75
3 1/4	2 1/2	3 00	2 1/2	3 60	3	4 10	3 1/2	5 30	4	6 35	5	8 50
3 1/2	2 1/2	3 20	2 1/2	3 90	3	4 30	3 1/2	5 65	4	6 70	5	9 25
3 3/4	2 1/2	3 40	2 1/2	4 00	3	4 50	3 1/2	6 05	4	7 10	5	9 75
4	2 1/2	3 70	2 1/2	4 25	3	4 70	3 1/2	6 50	4	7 50	5	11 00
4 1/4	2 1/2	4 10	2 1/2	4 60	3	5 25	3 1/2	7 00	4	8 50	5	12 35
4 1/2	2 1/2	4 50	2 1/2	5 00	3	5 50	3 1/2	7 50	4	9 00	5	13 45
4 3/4	2 1/2	5 00	2 1/2	5 50	3	6 00	3 1/2	8 25	4	10 00	5	14 50
5	2 1/2	5 50	2 1/2	6 00	3	6 50	3 1/2	9 25	4	11 00	5	15 55

All of the above cutters have one-inch holes and have half-round key way to fit No. 25 Stubs wire. All over 3/4 face are cut with spiral teeth.

b., Toronto.



THE Pickering Governor

This Governor, by its accurate regulation and good workmanship, will commend itself wherever used.

I guarantee to regulate accurately any style or size of engine, and under all circumstances.

For durability in all its parts, simplicity of construction, and economy in fuel, it cannot be equalled.

Having no joints, its action is direct, thereby insuring greater sensitiveness than can be secured with any other Governor.

In ordering Governors, be particular to specify the style wanted.

If no special dimensions are given, Governors will be sent according to the table below:—

Size of Valve or Steam Pipe	Portable	Plain	Finished	Speeder, extra	Stop Motion and Speeder, extra	Diameter of Cylinder Suitable for	Extreme Height	Diameter of Base Flange	Diameter of Pulley advisable	Rev. per Minute for Fig. 1	Code for plain Governor with Speeder
In. 15	\$ 16	\$ 17	\$ 1 50	\$ 1 50	\$ 2 00	In. 2 to 3	14	In. 3½	In. 1	500	Hopping
16	18	19	1 50	1 50	2 00	3 to 4	14½	4	1	500	Horál
17	20	22	2 00	2 00	2 50	4 to 5	18	4½	2	400	Horde
18	22	23	2 50	2 50	3 00	5 to 6	19	5	2	400	Hordein
19	27	30	2 50	2 50	3 00	6 to 8	25	6	2½	380	Horizon
20	36	41	3 50	3 50	4 00	8 to 10	26	7	3	380	Horn
21	45	52	4 25	4 25	4 50	10 to 12	30	7½	3	360	Horned
22	54	62	4 50	4 50	5 00	12 to 15	35	9	4	300	Hornet
23	64	73	5 00	5 00	5 00	14 to 17	36	10	4	300	Hornless
24	74	84	5 50	5 50	6 00	16 to 20	42	11	5	300	Hornpipe
25	84	95	6 00	6 00	7 00	18 to 22	42	11	5	300	Horny
26	115	130	7 00	7 00	8 00	20 to 25	48	12	5	250	Horologes
27	140	155	8 00	8 00	9 00	24 to 30	52	13	6	250	Horology
28	170	188	9 00	9 00	10 00	28 to 35	54	14	6	250	Horrent
29	205	235	12 00	12 00	15 00	32 to 40	56	16	7	250	Horrid
30	205	235	12 00	12 00	15 00	40 to 50	66	18	8	225	Horror

Engineers Brass Works
 (Best Steam Metal)

THE
Governor

...r, by its accurate regu
workmanship, will com
er used.
...regulate accurately and
engine, and under al
...in all its parts, sim
tion, and economy in
...qualified.
...nts, its action is direct,
...ater sensitiveness than
...any other Governor.
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...anted.

...dimensions are given,
...sent according to the

500	Hopping
500	Horaf
400	Horde
380	Horopin
380	Horizon
360	Horn
300	Horned
300	Hornet
300	Hornless
300	Hornpipe
250	Horny
250	Horologes
250	Horology
225	Horrent
	Horrid
	Horror

Engineers' Brass Goods.

(Best Steam Metal.)

Engineers' Brass Goods.
(Best Steam Metal.)

Diameter of Pipe	Rev. per Minute for Fig. 1													
	1 in.	1 1/8 in.	1 1/4 in.	1 3/8 in.	1 1/2 in.	1 5/8 in.	2 in.	2 1/4 in.	3 in.	3 1/2 in.	4 in.	4 1/2 in.	5 in.	6 in.
Globe Valves, Screwed	0 50	0 75	1 00	1 35	1 80	2 40	3 30	5 00	11 25	16 00	20 00	30 00	40 00	50 00
Flanged	0 50	0 75	1 00	1 35	1 80	2 40	3 30	5 00	11 25	16 00	20 00	30 00	40 00	50 00
male and female	0 85	1 15	1 60	2 15	3 35	5 00	7 25	10 00	17 00	24 00	30 00	45 00	65 00	100 00
Jenkins' screwed	1 10	1 25	1 60	2 20	2 80	4 00	5 50	8 00	15 75	22 00	30 00	40 00	60 00	100 00
flanged	0 60	0 75	1 00	1 35	1 80	2 40	3 30	5 00	11 25	16 00	20 00	30 00	40 00	50 00
Angle Valves, screwed	1 10	1 25	1 60	2 20	2 80	4 00	5 50	8 00	15 75	22 00	30 00	40 00	60 00	100 00
Jenkins' screwed	0 85	1 00	1 50	2 00	2 50	3 50	5 00	8 00	16 00	24 00	30 00	45 00	65 00	100 00
flanged	1 20	1 30	1 75	2 25	2 75	4 25	5 25	8 25	14 00	21 00	30 00	45 00	65 00	100 00
Peet Valves, screwed	0 50	0 60	0 85	1 15	1 55	2 30	3 25	5 20	10 00	14 00	20 00	30 00	40 00	50 00
flanged	1 10	1 20	1 60	2 10	2 60	3 60	5 00	8 00	16 00	24 00	30 00	45 00	65 00	100 00
Check Valves, plain	0 50	0 60	0 85	1 15	1 55	2 30	3 25	5 20	10 00	14 00	20 00	30 00	40 00	50 00
vertical and angle	1 10	1 20	1 60	2 10	2 60	3 60	5 00	8 00	16 00	24 00	30 00	45 00	65 00	100 00
Jenkins	1 25	1 35	1 80	2 30	2 80	4 30	5 30	8 30	17 00	25 00	30 00	45 00	65 00	100 00
Male and female	1 25	1 35	1 80	2 30	2 80	4 30	5 30	8 30	17 00	25 00	30 00	45 00	65 00	100 00
Pratt & Cady	0 70	0 75	1 00	1 30	1 60	2 45	3 30	5 40	11 50	16 00	20 00	30 00	40 00	50 00
male and female	0 80	0 95	1 30	1 80	2 30	3 45	4 80	7 25	14 00	20 00	30 00	40 00	50 00	65 00
Pop Cocks	0 70	0 75	1 00	1 30	1 60	2 45	3 30	5 40	11 50	16 00	20 00	30 00	40 00	50 00
extra heavy	0 80	0 95	1 30	1 80	2 30	3 45	4 80	7 25	14 00	20 00	30 00	40 00	50 00	65 00
three way	0 70	0 75	1 00	1 30	1 60	2 45	3 30	5 40	11 50	16 00	20 00	30 00	40 00	50 00
Safety Valves, cross screwed	0 75	0 85	1 10	1 40	1 75	2 75	3 75	6 00	13 50	20 00	30 00	40 00	50 00	65 00
gauged	0 75	0 85	1 10	1 40	1 75	2 75	3 75	6 00	13 50	20 00	30 00	40 00	50 00	65 00
angle screwed	0 75	0 85	1 10	1 40	1 75	2 75	3 75	6 00	13 50	20 00	30 00	40 00	50 00	65 00
flanged	0 75	0 85	1 10	1 40	1 75	2 75	3 75	6 00	13 50	20 00	30 00	40 00	50 00	65 00
Hose Valves, with cap and chain	0 75	0 85	1 10	1 40	1 75	2 75	3 75	6 00	13 50	20 00	30 00	40 00	50 00	65 00
without	0 75	0 85	1 10	1 40	1 75	2 75	3 75	6 00	13 50	20 00	30 00	40 00	50 00	65 00
Pop Safety Valves, (lock up)	0 75	0 85	1 10	1 40	1 75	2 75	3 75	6 00	13 50	20 00	30 00	40 00	50 00	65 00
Marine	0 75	0 85	1 10	1 40	1 75	2 75	3 75	6 00	13 50	20 00	30 00	40 00	50 00	65 00
Whistle Valves, screwed	0 75	0 85	1 10	1 40	1 75	2 75	3 75	6 00	13 50	20 00	30 00	40 00	50 00	65 00
Expansion Joints, screwed	0 75	0 85	1 10	1 40	1 75	2 75	3 75	6 00	13 50	20 00	30 00	40 00	50 00	65 00
Patent Valves, screwed	0 75	0 85	1 10	1 40	1 75	2 75	3 75	6 00	13 50	20 00	30 00	40 00	50 00	65 00
Foot Valves, with strainer	0 75	0 85	1 10	1 40	1 75	2 75	3 75	6 00	13 50	20 00	30 00	40 00	50 00	65 00
Hose Valves, with coupling	0 75	0 85	1 10	1 40	1 75	2 75	3 75	6 00	13 50	20 00	30 00	40 00	50 00	65 00

SOHO MACHINE WORKS, TORONTO

Radiator Valves (Wood Wheels)



	1/2 in.	3/4 in.	1 in.	1 1/4 in.	1 1/2 in.
Rough Body, Finished Mountings	\$1 35	1 60	2 25	3 25	4 50
Finished all over	1 85	2 15	2 85	4 00	5 50
Rough Body, Plated	1 55	1 85	2 50	3 50	4 80
Finished and " all over	1 65	1 95	2 65	3 70	5 00
	2 16	2 50	3 25	4 45	6 00
WITH NIPPLE AND COUPLING					
Rough Body, Finished Mountings	2 05	2 45	3 25	4 50	6 50
Finished all over	2 55	3 00	3 85	5 25	7 50
Rough Body, Plated	2 40	2 85	3 65	5 05	7 10
Finished and " all over	2 50	3 00	3 90	5 40	7 50
For Valves, with squares on spindles, instead of wheels, deduct from above prices	0 20	0 20	0 25	0 25	0 30
IMPROVED RADIATOR VALVES (With Raised Seat and Patent Metallic Disc)					
Rough Body, Finished Mountings	2 00	2 50	3 20	4 50	6 25
Finished all over	2 50	3 00	3 75	5 25	7 25
Rough Body, Plated	2 25	2 70	3 50	4 75	6 50
Finished and " all over	2 50	2 85	3 65	4 90	6 75
	2 85	3 10	4 00	5 40	7 75



**WITH NIPPLE AND HEXAGON OR
SPANNER COUPLING**

	1/2 in.	3/4 in.	1 in.	1 1/4 in.	1 1/2 in.
Rough Body, Finished Mountings	2 75	3 50	4 30	5 85	7 75
Finished all over	3 20	4 00	4 80	6 40	8 75
Rough Body, Plated	3 00	3 75	4 65	6 25	8 00
Finished and " all over	3 20	3 80	4 75	6 40	8 10
8"	3 25	4 25	5 25	7 00	9 25

Screw Top,

Screw Top,

Flanged To

Flanged To

Best Steam

Iron Body

Will

N. B.

Gates and

4 in.

Wheels)



WEBBER
Straightway Valves
STEAM METAL

	1 in.	1 1/2 in.	2 in.	3 in.	4 in.
Screwed Ends	\$1 30	1 75	2 25	3 25	4 25
Flanged Ends	2 50	3 00	4 00	5 00	7 50
Sliding Stem, Screwed.....	2 30	2 95	3 65	4 85	6 05
Sliding Stem, Flanged ..	3 50	4 20	5 40	6 60	9 30

	2 in.	2 1/2 in.	3 in.	3 1/2 in.	4 in.
Screwed Ends	\$6 25	11 50	16 00	32 00	40 00
Flanged Ends	10 00	16 00	20 00	40 00	48 00
Sliding Stem, Screwed	8 25	13 75	18 50	34 75	43 00
Sliding Stem, Flanged	12 00	18 25	.....	.....	.....

IRON BODY, BRASS MOUNTED

	2 in.	2 1/2 in.	3 in.	3 1/2 in.	4 in.	5 in.	6 in.	7 in.	8 in.
Screw Top, Screwed Ends.	\$7 00	10 00	12 00	16 00	18 00	.....	.....	.....	.....
Screw Top, Flanged Ends.....	7 00	10 00	12 00	16 00	18 00	.....	.....	.....	.....
Flanged Top, Screwed Ends .....	.....	10 00	12 00	16 00	18 00	25 00	32 00	41 00	50 00
Flanged Top, Flanged Ends .....	.....	10 00	12 00	16 00	18 00	34 00	31 00	36 00	45 00

BLOW-OFF VALVES

Best Steam Metal.....	1 1/2 \$4.50	1 1/2 \$5.75	2 \$8.25	2 1/2 \$14.25	3 \$19.75
Iron Body, Brass Mtd.	2 \$8.36	2 1/2 \$12.30	3 \$14.75	3 1/2 \$20.00	4 \$22.50

Will quote prices for larger sizes on application.

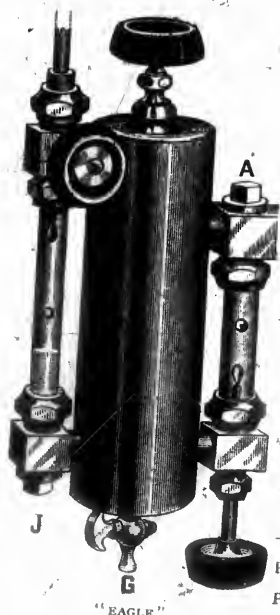
N. B.—Send for special circular and quotations on Water Gates and Class B Screw Top Iron Body Valves from 2 in. to 4 in.



ON OR

n.	1 1/2 in.	1 1/2 in.
30	6 85	7 75
30	6 40	8 75
35	6 25	8 00
5	6 40	8 10
5	7 00	9 25

Sight Feed Lubricators (Automatic)



Capacity	MICHIGAN (Price)			DETROIT (Price)			EAGLE (Price)			McAVITY (Price)		
	Plain	Nickel	Plat'd	Code, N.P.	Plain	Nickel	Plat'd	Code, N.P.	Plain	Nickel	Plat'd	Code, N.P.
1 Pt.	\$18	\$20		Ibex	\$18	\$20		Idea	\$18	\$20		
1 " "	\$22	\$25		Ibis	\$22	\$25		Ideal	\$22	\$25		Imbibe
1 " "	\$30	\$35		Ice	\$30	\$35		Ides	\$30	\$35		Imbruce
1 Qt.	\$45	\$50		Ichor	\$45	\$50		Idiom	\$45	\$50		Immit
1 Gal.	\$60	\$65		Icicle	\$60	\$65		Idiot	\$60	\$65		Immure
1 " "	\$75	\$80		Icy	\$75	\$80		Idle.	\$75	\$80		Imp
												Impact

Plain Cylinder Lubricators

SIZE	1 1/2 In.	2 In.	2 1/2 In.	3 In.	4 In.
Price, plain.....	\$ 2 75	\$ 3 25	\$ 4 25	\$ 5 25	\$ 6 75
Price, with Drip Cock.....	3 25	3 75	4 75	5 75	7 25

PLAIN OIL CUPS

Dia. of Cup.	3/8	1/2	5/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3
Scr'd for Pipe	3/8	1/2	5/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3
Price, each..	\$.30	.35	.40	.50	.60	.90	1.25	1.50	1.75	2.25	2.75	4.50

Lightning Spring Top Oil Cups, same list.

GLASS OIL CUPS

Dia. & length of Glass	1x1 1/2	1 1/2x1 1/2	1 3/4x1 1/2	1 3/4x1 3/4	2x2	2x2 1/2	2 1/2x2 1/2	3x3	3 1/2x3 1/2
Screw'd for Pipe.....	1/2	3/4	3/4	3/4	1/2	1/2	3/4	3/4	3/4
Price, each.....	\$1.85	2.10	2.20	3.30	3.00	5.60	6.00	7.75	



SPRING TOP

STEAM WHISTLES (with Valves)

Dia. of Bell For Pipe.....	1 1/2	1 3/4	2	2 1/2	3	3 1/2	4	5	6	8	10
Price, plain.....	\$ 3 85	4 40	5 40	7 50	9 00	12 00	15 50	24 00	31 50	65 00	
"Organ".....	4 20	5 90	7 50	12 00	15 50	24 00	31 50	65 00			
"Mocking Bird".....							40 00	50 00	60 00		
"Bell Chime".....							18 00	23 00	30 00		
"Telescope".....							36 00	48 00	64 00	90 00	140 00

Engineers' Iron Body Goods

(BRASS MOUNTINGS)

GOODS	1 1/4		1 1/2		2		2 1/2		3		3 1/2		4		4 1/2		5		6		7		8		10		12			
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.		
Globe Valves, screwed ends	2 50	3 50	5 00	10 50	7 50	10 50	10 50	15 50	10 50	14 50	18 00	21 00	28 00	32 00	44 00	75 00	85 00	135 00	200 00	220 00										
" " flanged ends	3 75	5 00	6 75	9 50	13 50	18 50	25 00	32 00	40 00	50 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00	450 00										
" " screwed, with yoke	2 50	3 50	5 00	7 50	10 50	14 50	18 50	25 00	32 00	40 00	50 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00										
Angle " flanged	2 50	3 50	5 00	7 50	10 50	14 50	18 50	25 00	32 00	40 00	50 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00										
" " flanged ends	3 75	5 00	6 75	9 50	13 50	18 50	25 00	32 00	40 00	50 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00	450 00										
" " screwed, with yoke	2 50	3 50	5 00	7 50	10 50	14 50	18 50	25 00	32 00	40 00	50 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00										
Cross " flanged	3 50	4 75	6 50	10 00	14 00	18 00	25 00	32 00	40 00	50 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00	450 00										
" " screwed ends	5 50	7 00	9 00	13 00	18 00	25 00	32 00	40 00	50 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00	450 00	550 00										
" " flanged, with yoke	13 00	18 00	23 00	32 00	40 00	50 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00	450 00	550 00	650 00	750 00	850 00										
Check " screwed ends	16 00	22 00	28 00	38 00	48 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00	450 00	550 00	650 00	750 00	850 00	950 00										
" " flanged ends	3 75	5 00	6 75	9 50	13 50	18 50	25 00	32 00	40 00	50 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00	450 00										
" " screwed, Jenkins pattern	5 50	7 25	9 50	13 50	18 50	25 00	32 00	40 00	50 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00	450 00	550 00										
" " flanged	10 50	14 00	17 00	20 00	25 00	32 00	40 00	50 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00	450 00	550 00	650 00										
" " Preat & Cady (screwed & flanged)	12 50	16 50	20 50	23 00	28 00	35 00	44 00	54 00	64 00	75 00	85 00	100 00	115 00	140 00	170 00	200 00	230 00	280 00	330 00	400 00										
" " screwed, cross pattern	8 00	10 00	12 00	15 00	18 00	22 00	28 00	35 00	44 00	54 00	64 00	75 00	85 00	100 00	115 00	140 00	170 00	200 00	230 00	280 00										
" " angle	8 00	10 00	12 00	15 00	18 00	22 00	28 00	35 00	44 00	54 00	64 00	75 00	85 00	100 00	115 00	140 00	170 00	200 00	230 00	280 00										
" " flanged, cross	16 00	22 00	28 00	38 00	48 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00	450 00	550 00	650 00	750 00	850 00	950 00										
" " angle	16 00	22 00	28 00	38 00	48 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00	450 00	550 00	650 00	750 00	850 00	950 00										
Back-pressure Valves, screwed	8 00	10 50	14 50	18 50	25 00	32 00	40 00	50 00	60 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00	450 00	550 00	650 00										
" " flanged	9 75	12 50	17 50	21 50	28 00	35 00	44 00	54 00	64 00	75 00	90 00	110 00	140 00	180 00	220 00	280 00	350 00	450 00	550 00	650 00										

INCH	1		1 1/4		1 1/2		2		2 1/2		3		3 1/2		4		4 1/2		5		6		7		8														
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.													
Elbows and Reducing Elbows, each	0 06	0 09	0 13	0 20	0 25	0 40	0 75	1 10	1 35	1 80	2 50	3 90	5 00	6 50	8 00	10 00	12 50	15 50	20 00	25 00	30 00	35 00	40 00	45 00	50 00	55 00	60 00	65 00	70 00	75 00	80 00	85 00	90 00	95 00	100 00	105 00	110 00	115 00	120 00

Malleable Iron Fittings

Inch	1	2	3	4	5	6	7	8	9	10	11	12
Unions.....	\$.15	.18	.20	.28	.34	.46	.60	.80	1.50	2.10	3.00	4.00
Bushings.....	.05	.06	.06	.07	.09	.13	.17	.27	.42	.60	.80	1.00
Plugs.....	.03	.03	.04	.05	.06	.10	.13	.20	.35	.50	.75	.85
Nipples—Shoulder.....	.05	.06	.07	.09	.10	.14	.17	.25	.56	.75	1.00	1.25
" Long.....	.07	.09	.10	.11	.15	.20	.25	.35	.75	.95	1.25	1.80
" Close.....	.07	.08	.10	.12	.15	.20	.25	.35	.75	.95	1.25	1.80
" R. & L.....	.10	.10	.12	.15	.18	.24	.30	.35	.70	.90	1.25	1.50
Stop Cocks.....	.75	.80	.90	1.25	1.50	2.00	2.60	4.50	6.50	12.00	16.00	33.00
Flanges.....	.20	.28	.36	.60	.65	.90	1.70	2.00	2.75	3.50	5.00	6.00
Flanged Unions.....	.70	.85	1.15	1.50	1.75	2.25	2.75	3.15	5.00	6.00	8.00	10.00

CLASSIFIED

Malleable Iron, Gas, Water and Steam Fittings

CLASS A.

Price, Galvanized, 48cts.; Black, 35cts. per pound.

- Elbows, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 28, 30, 36, 42, 48, 60, 72, 84, 96, 108, 120, 144, 168, 192, 216, 240, 288, 336, 384, 432, 480, 540, 600, 660, 720, 780, 840, 900, 960, 1020, 1080, 1140, 1200, 1260, 1320, 1380, 1440, 1500, 1560, 1620, 1680, 1740, 1800, 1860, 1920, 1980, 2040, 2100, 2160, 2220, 2280, 2340, 2400, 2460, 2520, 2580, 2640, 2700, 2760, 2820, 2880, 2940, 3000, 3060, 3120, 3180, 3240, 3300, 3360, 3420, 3480, 3540, 3600, 3660, 3720, 3780, 3840, 3900, 3960, 4020, 4080, 4140, 4200, 4260, 4320, 4380, 4440, 4500, 4560, 4620, 4680, 4740, 4800, 4860, 4920, 4980, 5040, 5100, 5160, 5220, 5280, 5340, 5400, 5460, 5520, 5580, 5640, 5700, 5760, 5820, 5880, 5940, 6000, 6060, 6120, 6180, 6240, 6300, 6360, 6420, 6480, 6540, 6600, 6660, 6720, 6780, 6840, 6900, 6960, 7020, 7080, 7140, 7200, 7260, 7320, 7380, 7440, 7500, 7560, 7620, 7680, 7740, 7800, 7860, 7920, 7980, 8040, 8100, 8160, 8220, 8280, 8340, 8400, 8460, 8520, 8580, 8640, 8700, 8760, 8820, 8880, 8940, 9000, 9060, 9120, 9180, 9240, 9300, 9360, 9420, 9480, 9540, 9600, 9660, 9720, 9780, 9840, 9900, 9960, 10020, 10080, 10140, 10200, 10260, 10320, 10380, 10440, 10500, 10560, 10620, 10680, 10740, 10800, 10860, 10920, 10980, 11040, 11100, 11160, 11220, 11280, 11340, 11400, 11460, 11520, 11580, 11640, 11700, 11760, 11820, 11880, 11940, 12000, 12060, 12120, 12180, 12240, 12300, 12360, 12420, 12480, 12540, 12600, 12660, 12720, 12780, 12840, 12900, 12960, 13020, 13080, 13140, 13200, 13260, 13320, 13380, 13440, 13500, 13560, 13620, 13680, 13740, 13800, 13860, 13920, 13980, 14040, 14100, 14160, 14220, 14280, 14340, 14400, 14460, 14520, 14580, 14640, 14700, 14760, 14820, 14880, 14940, 15000, 15060, 15120, 15180, 15240, 15300, 15360, 15420, 15480, 15540, 15600, 15660, 15720, 15780, 15840, 15900, 15960, 16020, 16080, 16140, 16200, 16260, 16320, 16380, 16440, 16500, 16560, 16620, 16680, 16740, 16800, 16860, 16920, 16980, 17040, 17100, 17160, 17220, 17280, 17340, 17400, 17460, 17520, 17580, 17640, 17700, 17760, 17820, 17880, 17940, 18000, 18060, 18120, 18180, 18240, 18300, 18360, 18420, 18480, 18540, 18600, 18660, 18720, 18780, 18840, 18900, 18960, 19020, 19080, 19140, 19200, 19260, 19320, 19380, 19440, 19500, 19560, 19620, 19680, 19740, 19800, 19860, 19920, 19980, 20040, 20100, 20160, 20220, 20280, 20340, 20400, 20460, 20520, 20580, 20640, 20700, 20760, 20820, 20880, 20940, 21000, 21060, 21120, 21180, 21240, 21300, 21360, 21420, 21480, 21540, 21600, 21660, 21720, 21780, 21840, 21900, 21960, 22020, 22080, 22140, 22200, 22260, 22320, 22380, 22440, 22500, 22560, 22620, 22680, 22740, 22800, 22860, 22920, 22980, 23040, 23100, 23160, 23220, 23280, 23340, 23400, 23460, 23520, 23580, 23640, 23700, 23760, 23820, 23880, 23940, 24000, 24060, 24120, 24180, 24240, 24300, 24360, 24420, 24480, 24540, 24600, 24660, 24720, 24780, 24840, 24900, 24960, 25020, 25080, 25140, 25200, 25260, 25320, 25380, 25440, 25500, 25560, 25620, 25680, 25740, 25800, 25860, 25920, 25980, 26040, 26100, 26160, 26220, 26280, 26340, 26400, 26460, 26520, 26580, 26640, 26700, 26760, 26820, 26880, 26940, 27000, 27060, 27120, 27180, 27240, 27300, 27360, 27420, 27480, 27540, 27600, 27660, 27720, 27780, 27840, 27900, 27960, 28020, 28080, 28140, 28200, 28260, 28320, 28380, 28440, 28500, 28560, 28620, 28680, 28740, 28800, 28860, 28920, 28980, 29040, 29100, 29160, 29220, 29280, 29340, 29400, 29460, 29520, 29580, 29640, 29700, 29760, 29820, 29880, 29940, 30000, 30060, 30120, 30180, 30240, 30300, 30360, 30420, 30480, 30540, 30600, 30660, 30720, 30780, 30840, 30900, 30960, 31020, 31080, 31140, 31200, 31260, 31320, 31380, 31440, 31500, 31560, 31620, 31680, 31740, 31800, 31860, 31920, 31980, 32040, 32100, 32160, 32220, 32280, 32340, 32400, 32460, 32520, 32580, 32640, 32700, 32760, 32820, 32880, 32940, 33000, 33060, 33120, 33180, 33240, 33300, 33360, 33420, 33480, 33540, 33600, 33660, 33720, 33780, 33840, 33900, 33960, 34020, 34080, 34140, 34200, 34260, 34320, 34380, 34440, 34500, 34560, 34620, 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Fittings

	3/4	4	5
3.00	4.00
.80	1.00	1.85	2.00
.75	.85	1.75	2.00
1.00	1.25	2.00	2.50
1.25	1.60	2.50	3.00
1.25	1.50	2.50	3.00
1.60	2.40	4.00	5.00
12.00	16.00	33.00	45.00
2.75	3.50	5.00	6.00
2.75	3.15	5.00	6.00

Flange Fittings

cts. per pound.
 1/4 x 1/4, 3/8 x 3/8.

cts. per pound.
 Fittings, 1/2 to 3/4, inclusive sizes.
 Fittings, 1/2 to 1 in., inclusive sizes.
 Flange-nuts and Loops, 1/2 to 1 in., inclusive.
 smaller.

per pound.
 to be classed "B."
 and larger.
 Fittings, 1 in. and larger sizes.
 larger.
 inclusive,

per pound.
 ve outlets smaller

Wrought Iron Pipe for Gas, Steam and Water

Table of Standard Dimensions and Sizes

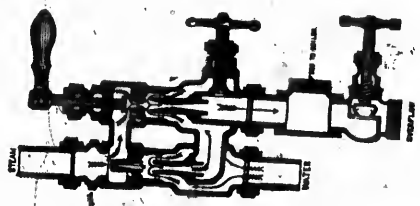
Inside Diameter in Inches	Weight per Foot in lbs.	Actual Inside Diameter in Inches	Actual Outside Diameter in Inches	Number of Threads to Inch of Screw	Price per foot
1/4	.24	.27	.405	27	\$0 06
1/2	.42	.36	.54	18	0 06
3/4	.56	.49	.675	18	0 07
1	.85	.62	.84	14	0 08 1/2
1 1/4	1.12	.82	1.05	14	0 12
1 1/2	1.67	1.04	1.315	11 1/2	0 17
2	2.25	1.38	1.66	11 1/2	0 22
2 1/2	2.69	1.61	1.90	11 1/2	0 28
3	3.66	2.06	2.375	11 1/2	0 41
3 1/2	5.77	2.46	2.875	8	0 75
4	7.54	3.06	3.5	8	1 10
4 1/2	9 05	3.54	4.0	8	1 38
5	10.72	4 02	4.5	8	1 75
5 1/2	12.49	4 50	5.0	8	2 25
6	14.56	5.04	5.563	8	2 75
6 1/2	18.76	6.06	6.625	8	3 50
7	23 41	7.02	7.625	8	4 75
8	28.34	7.98	8.625	8	6 50

Cutting and screwing extra at usual shop rates.

BOILER TUBES

	In. 1 1/4	In. 1 1/2	In. 1 3/4	In. 2	In. 2 1/2	In. 3	In. 3 1/2	In. 4
External Diameter								
Weight per foot	1.25	1.66	2.00	2.25	2.50	3.00	4.25	6.50
Price per foot	\$.15	.18	.21	.25	.30	.33	.39	.50
Lengths usually kept in stock	Ft. 10	Ft. 12	Ft. 14	Ft. 16	Ft. 18			

Western Empire Boiler Feeders



OVER 100,000 IN USE.

No.	Gallons per Hour.	Horse Power will Supply	Suction and Feed.	Steam.	Price.	Code.
1	60	78				
2	90	12				
3	130	16			\$18 00	Impair
4		30			20 00	Impale
5		40			24 00	Impanel
6		56			30 00	Impart
7		72	1		35 00	Impeach
8		96	1		45 00	Impearl
9	900	120	1 1/4	1	50 00	Impede
10	1260	168	1 1/2	1	55 00	Impel
11	1740	230	1 3/4	1	60 00	Impend
12	2236	298	2	1 1/4	75 00	Imperial
13	2820	376	2	1 1/2	90 00	Impetus
14	3480	464	2 1/2	1 3/4	110 00	Impinge
15	3600	600	2 3/4	2	125 00	Implant
					150 00	Import
					175 00	Impost

EJECTORS

No.	Suction or Feed.		Gallons per Hour.	Price.	Code.	No.	Suction or Feed.		Gallons per Hour.	Price.	Code.
	In.	In.					In.	In.			
10	1	1	120	\$7 00	Impostor	55	2 1/2	1 1/4	3600	\$50 00	Inborn
15	1	1	300	10 00	Impress	60	3	1 1/2	4000	55 00	Incense
20	1 1/4	1 1/4	540	15 00	Imprint	65	3	1 3/4	4520	60 00	Incest
25	1 1/2	1 1/2	900	20 00	Improver	70	3 1/4	2	5200	65 00	Inch
30	1 3/4	1 3/4	1260	25 00	Impugn	75	3 3/4	2 1/2	6000	70 00	Incision
35	2	2	1743	30 00	Inaction	100	4	2 1/2	10620	75 00	Incline
40	2 1/2	2 1/2	2230	35 00	Inane	110	4	2 1/2	12900	80 00	Income
45	3	3	2876	40 00	Inanity	120	6	3	15360	85 00	Incubus
50	3 1/2	3 1/2	3480	45 00	Inapt						

Size
No. 00.....
No. A.....
No. AA.....
No. B.....
No. BB.....
No. C.....
No. CC.....
No. D.....
No. DD.....
No. E.....
No. EE.....
No. F.....
No. FF.....

LIFTS WATER 2

Size
No. 1.....
No. 2.....
No. 3.....
No. 4.....
No. 5.....
No. 6.....
No. 7.....
No. 8.....

Feeders



THE PENBERTHY Improved - Automatic - Injector

THE MAKERS SAY :-

"As every Injector is tested before it leaves the factory, we know that if properly connected as in diagram furnished, and instructions are carried out, they cannot fail to work." We therefore offer to pay the expenses of any man to come to the factory, and \$10 per day while there, if the Injector does not work, providing it has not been misused."

As the body will last for years, it is only necessary to order working parts to make Injector good as new. Every purchaser can repair his own Injector without sending it to factory.

PRICE LIST

Code.	
00	Impair
00	Impale
00	Impanel
00	Impart
00	Impeach
00	Impearl
00	Impede
00	Impel
00	Impend
00	Imperial
00	Impetus
00	Impinge
00	Implant
00	Import
00	Impost

Size	Price	Gals. per hour, 66 lbs. pressure	Size of Pipe Connection	Horse Power	Code
No. 00.....	\$16 00	60	1	4 to 8	Incumber
No. A.....	18 00	85	1	8 to 12	Incur
No. AA.....	20 00	120	1	12 to 16	Incurve
No. B.....	25 00	220	1	16 to 28	Indent
No. BB.....	30 00	300	1	28 to 40	Index
No. C.....	40 00	430	1	40 to 57	Indict
No. CC.....	45 00	540	1	57 to 72	Indigo
No. D.....	55 00	700	1 1/2	72 to 93	Induce
No. DD.....	60 00	900	1 1/2	93 to 120	Induct
No. E.....	75 00	1260	1 1/2	120 to 160	Indue
No. EE.....	90 00	1740	1 1/2	160 to 220	Inert
No. F.....	110 00	2240	2	220 to 290	Infamy
No. FF.....	125 00	2870	2	290 to 308	Infant

A written guarantee with each Injector.

THE X-L. EJECTOR OR STEAM JET PUMP

LIFTS WATER 20 TO 25 FEET ELEVATES 30 TO 70 FEET RELIABLE AND ECONOMICAL
CAN BE PLACED HORIZONTAL OR PERPENDICULAR

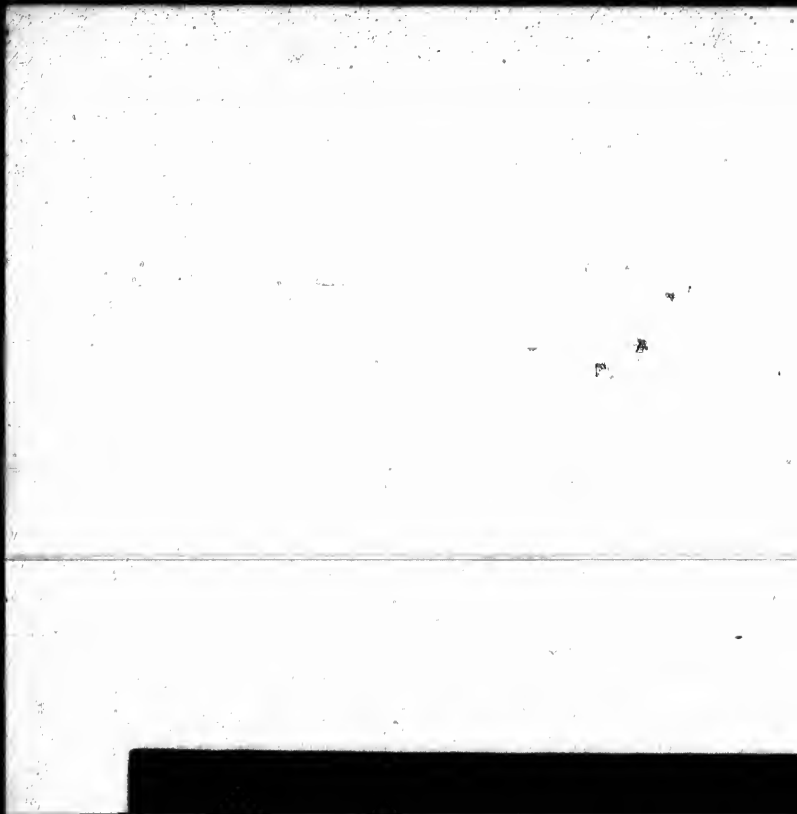
Price List and Capacity

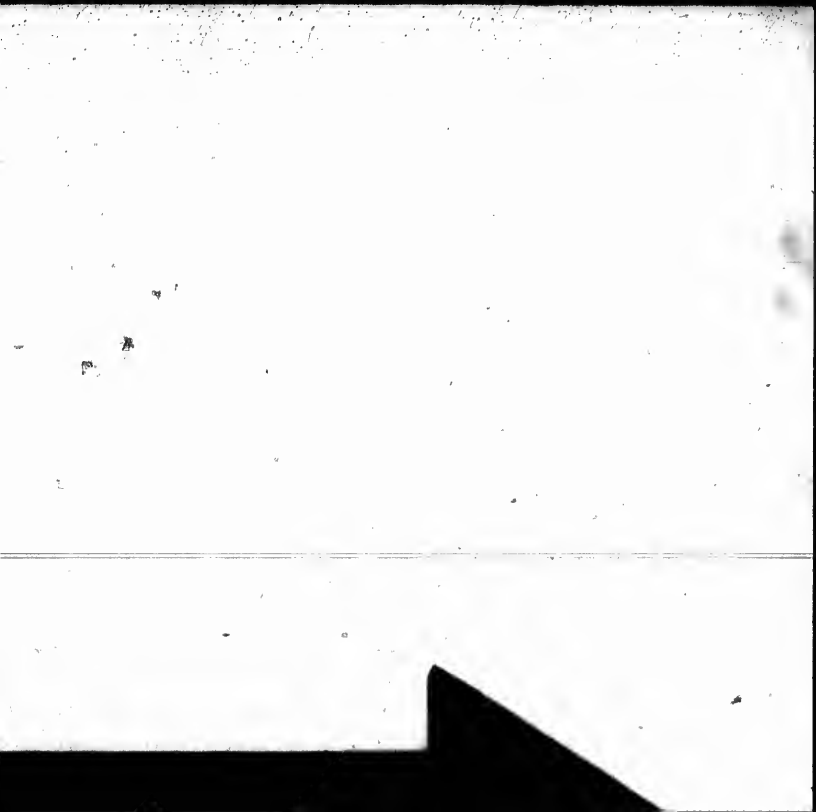
Price.	Code.
\$50.00	Inborn
55.00	Incese
60.00	Incest
65.00	Inch
70.00	Incision
75.00	Incline
80.00	Income
85.00	Incubus

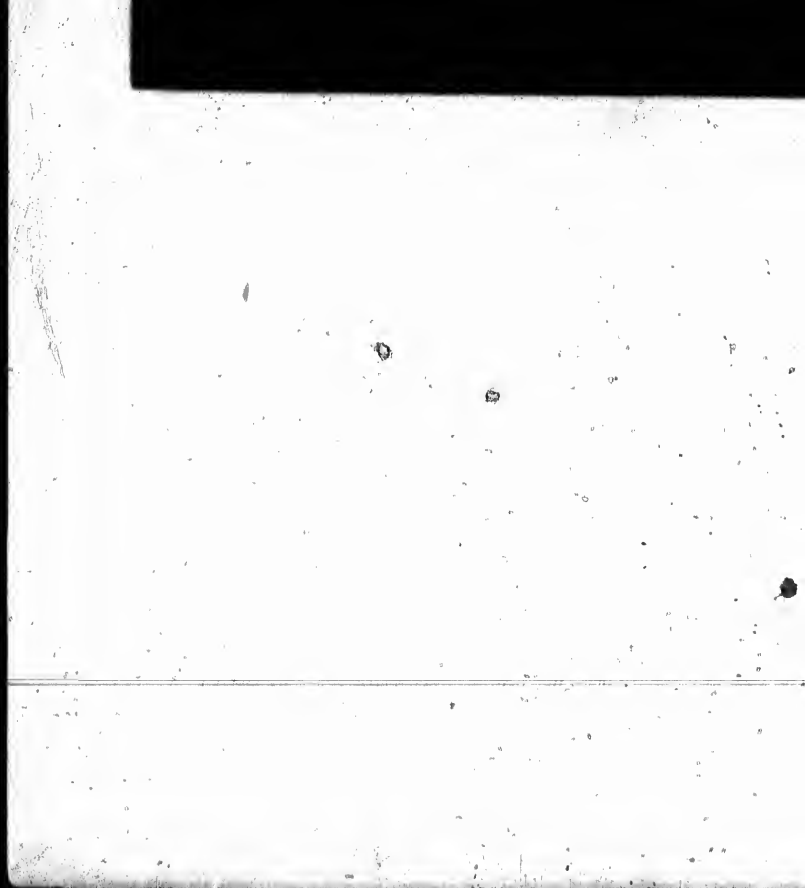
Size	Steam Connection	Delivery and Suction	Capacity 66 Lbs. per Hour	Price	Strainers	Code, X.L.
No. 1.....	1	1	250	\$ 8 00	\$0 50	Infect
No. 2.....	1	1 1/2	500	10 00	0 75	Infer
No. 3.....	1	1 1/2	960	15 00	1 00	Infest
No. 4.....	1 1/2	1 1/2	1300	20 00	1 25	Infirm
No. 5.....	1 1/2	2	2000	25 00	1 50	Inflect
No. 6.....	1 1/2	2 1/2	3500	35 00	1 75	Influx
No. 7.....	1 1/2	2 1/2	5000	40 00	.....	Infold
No. 8.....	2	3	8000	50 00	.....	Inform

Sizes Nos. 1 to 6, inclusive, all brass.

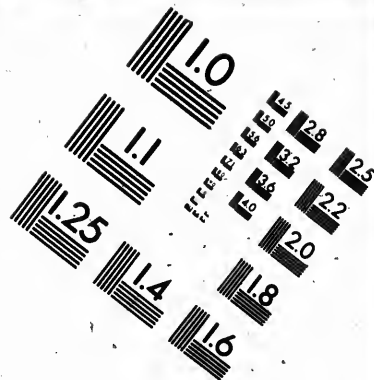
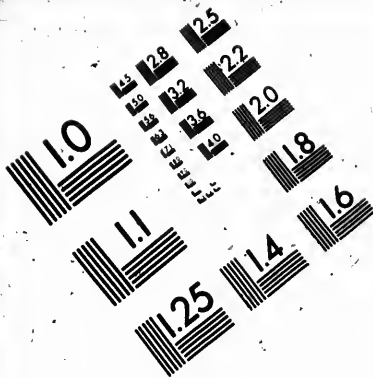
SOHO MACHINE WORKS, TORONTO



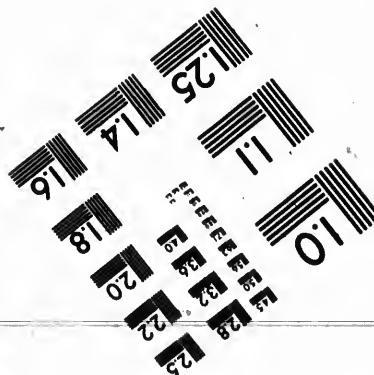
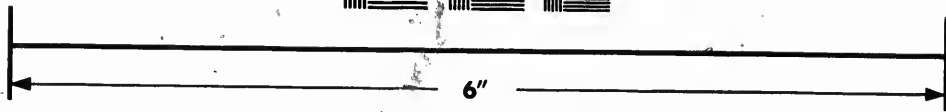
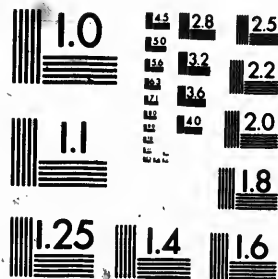








**IMAGE EVALUATION
TEST TARGET (MT-3)**

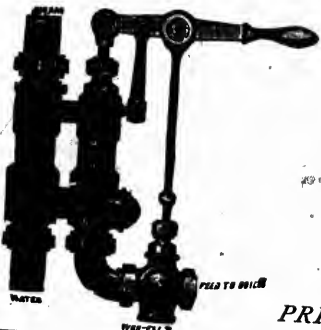


**Photographic
Sciences
Corporation**

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

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The "Improved" Boiler Feeder

NEW STYLE, WITH MCAVITY'S PATENT IMPROVEMENT

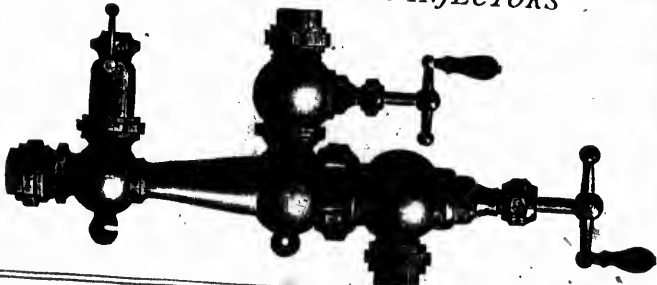
These are constructed in two parts, shown, one side being designed for lifting and delivering, and the other for forcing against pressures. The lifting side only need be used to raise water to a moderate height, and extreme height the forcing side.

Each Boiler Feeder carefully tested and proved before leaving the factory.

PRICE LIST

Number	Suction and Feed	Steam	Gallons per hour 60 lbs. pressure	Suitable for Horse Power	Price	Code
7½			60	2 to 8	\$18 00	
8½			90	5 to 12	20 00	Infrac
10			120	10 to 20	24 00	Infusion
12½			220	15 to 30	30 00	Ingot
15	1		300	20 to 40	35 00	Ingrate
17½	1		360	30 to 60	45 00	Ingress
20	1½	1	540	40 to 80	50 00	Ingulf
22½	1½	1	720	50 to 100	55 00	Inhesion
25	1½	1	900	70 to 120	60 00	Inhesion
30	1½	1½	1260	110 to 160	75 00	Initial
35	1½	1½	1740	150 to 225	90 00	Injury
40	2	1½	2230	220 to 300	110 00	Ink
45	2	1½	2820	300 to 400	125 00	Inkle Inland

MACK LOCOMOTIVE INJECTORS



SIZE	Diameter Pipe	Delivery per hour	Price Class A.	Code
No. 7	Inches	Gallons	\$	
No. 8	1½	1750	110	Inlay
No. 9	1½	2150	125	Inlet
	2	2600	140	Inlock

A. R. WILLIAMS

Price of Injector	All Brass
\$28 00	
38 00	
55 00	
60 00	
75 00	
85 00	
100 00	

No.	Cubic T20 1
4	
5	
6	
7	
8	
9	
10	

ved" Boiler Feed

E, WITH MCAVITY'S
T IMPROVEMENT

constructed in two parts,
ing designed for lifting
e other for forcing agai
ing side only need be us
moderate height, and
forcing side.
eeder carefully tested
g the factory.

THE KORTING INJECTOR

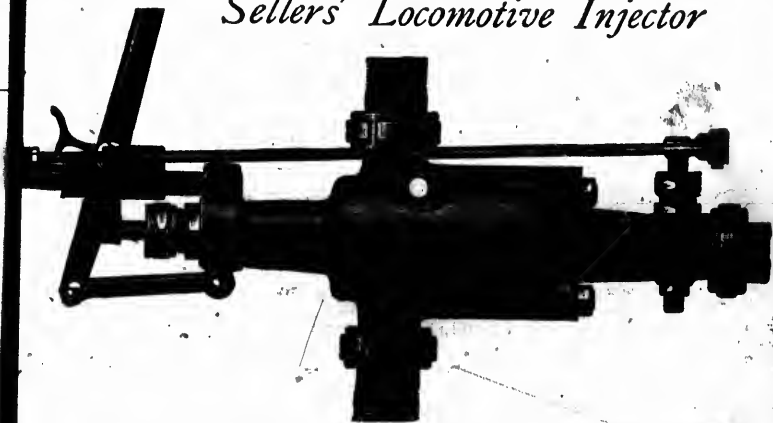


.... PRICE LIST AND CAPACITY

Price	Code
\$18 00	Infrac
20 00	Infusion
24 00	Ingot
30 00	Ingrate
35 00	Ingress
45 00	Ingulf
50 00	Inhale
55 00	Inhesion
60 00	Initial
75 00	Injury
90 00	Ink
110 00	Inkle
125 00	Inland

Price of Injector.	Code	Size of Connection	PRESSURE OF STEAM IN POUNDS									
			80		45		60		100			
			H. P.	Gallons per hour	H. P.	Gallons per hour	H. P.	Gallons per hour	H. P.	Gallons per hour		
All Brass												
\$28 00	Innoxious	1 1/2 in.	13	96	14	108	16	120	20	144		
38 00	Innuendo	1 1/2 in.	30	226	34	254	37	282	45	338		
55 00	Innuent	1 1/2 in.	55	404	60	454	67	504	80	605		
60 00	Innumeros	1 1/2 in.	65	480	72	540	80	600	96	720		
75 00	Inobtrusive	1 1/2 in.	90	675	100	750	110	825	130	975		
85 00	Innocular	1 1/2 in.	122	915	140	1050	158	1185	194	1455		
100 00	Inodiante	1 1/2 in.	160	1200	180	1350	200	1500	240	1800		

Sellers' Locomotive Injector



TORS

Price Class A.	Code
\$ 110	Inlay
125	Inlet
140	Inlock

No.	Cubic Ft. per hour 120 lbs. Steam	Gallons per hour 120 lbs. Steam	Price	Code	Steam Valve	Check Valve
4	72	540	\$42 00	Inolite	7 00	\$6 50
5	112	840	55 00	Inopulent	8 75	8 00
6	162	1215	70 00	Inordinate	8 75	8 00
7	220	1650	85 00	Inorganic	10 50	9 50
8	290	2175	100 00	Inosinic	12 50	12 50
9	365	2737	115 00	Inpetto	12 50	12 50
10	450	3375	130 00	Inposse	13 50	12 50

Ewart's Patent Drive Chain

No.	Links per foot.	Working Strain.	Price per Foot.	Equivalent in Belting.	No.	Links per Foot.	Working Strain.	Price per Foot.	Equivalent in Belting.
		lbs.	\$ c.	Inch.			lbs.	\$ c.	Inch.
25	13.3	75	0 13	$\frac{1}{8}$	67	5.16	700	0 30	$\frac{1}{8}$
32	10.5	150	0 13	$\frac{1}{2}$	73	3.7	800	0 40	$\frac{1}{8}$
33	8.6	150	0 12	$\frac{1}{2}$	75	4.5	800	0 35	$\frac{1}{8}$
34	8.6	175	0 13	2	77	5.16	800	0 35	$\frac{1}{8}$
35	7.4	200	0 14	2	78	4.5	1000	0 40	$\frac{1}{8}$
42	8.75	350	0 16	4	85	3.	1400	0 50	10
45	7.4	400	0 16	4	88	4.5	1400	0 50	10
48	6.	400	0 17	5	95	3.	1500	0 60	10
49	7.4	450	0 20	5	103	4.	1800	0 75	12
52	8.	600	0 25	6	105	2.	1700	0 70	12
53	8.	650	0 26	6	108	2.5	1800	0 80	14
55	7.4	650	0 22	6	114	3.66	2000	1 10	14
57	5.16	650	0 24	6	124	3.	2500	1 30	14
62	7.25	700	0 30	7	146	2.	2800	1 40	18
63	6.	700	0 30	7	600	2.	7000	1 00	24
64	6.	700	0 30	7	1050	1.2	12000	1 30	36
65	5 66	700	0 30	7	1075	1.2	16000	1 40	40
66	6.	700	0 30	8	1200	1.	7000	0 90	24

All chains are tested at two and one-half times the working strains given above.
Run chain with open side of coupling out, and back of coupling hook against driving side of wheel sprocket.

No. Chain.	The only Attachments that are made on each size chain are given below.	Price per Foot.
25	A2, A3, C1, E1, G1, K1, K5, K6, S1	0 17
33	A1, D3, E1, I3, K1, K3, K5, K6, M1, S1	0 15
35	A1, A2, A10, C1, K1, S1	0 18
42	A1, C1, D2, K3, K5, M2, S1	0 20
45	A1, 2, 3, 10, C1, D1, D3, D5, E1, G1	0 20
	H1, I3, K1, K3, K5, M1, S1	0 20
52	A1, D2, E1, K5	0 31
55	A1, C1, K1, S1	0 32
57	A1, D3, D5, E1, F2, H1, K1, S2	0 27
67	A1, E1, FF, F2, H1, K1, S2	0 30
73	K1, K8, S2	0 37
75	E1, H1, K1	0 50
77	E1, F2, G1, H1, K1, K8, R1, S2	0 44
78	A3, E1, F2, F4, G1, H1, K1, S2	0 44
83	D5, E1, M3	0 50
85	E2, F1, F2, FF, H1, K2, K4, K7, S2 and Hod link	0 56
88	F2, G1, K1, S2	0 62
95	F2, H2, K2	0 69
103	A1, F2, H1, K1, M2	0 75
105	F1, H1, K4, M3	0 94
108	F2, F3, FF, G1, K2, Hod link	0 87
146	E2, F1, F5, K4	1 00
		1 85

Chain

Working chain.	Price per Foot.	Equivalent in Belting
700	\$ 0 30	1 1/2
800	0 40	8
800	0 35	9
800	0 35	9
000	0 40	10
400	0 50	10
400	0 50	10
500	0 60	12
800	0 75	14
700	0 70	12
800	0 80	14
900	1 10	14
600	1 30	18
800	1 40	20
900	1 00	24
000	1 30	36
000	1 40	40
000	0 90	24

ing strains given above
coupling hook again

Chain	Price per Foot.
.....	\$0 17
.....	0 15
.....	0 18
.....	0 20
.....	0 20
.....	0 31
.....	0 32
.....	0 25
.....	0 30
.....	0 37
.....	0 50
.....	0 44
.....	0 44
.....	0 50
.....	0 56
.....	0 62
.....	0 69
.....	0 75
.....	0 87
.....	1 00
.....	1 85

WHEELS FOR EWART'S DRIVE CHAIN AND INGERSOLL ROCK DRILLS

WHEELS FOR EWART'S DRIVE CHAIN

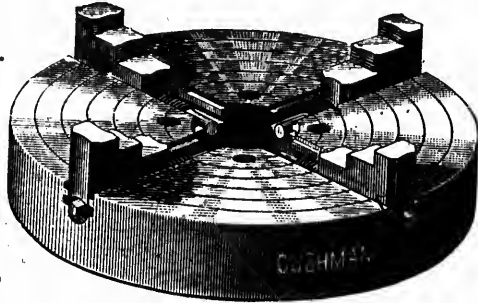
No. of Chain	4	6	8	10	12	14	16	18	20	24	30
25	\$0 90	\$1 25	\$1 50	\$1 75	\$2 15	\$2 60	\$2 90	\$3 25	.....	\$4 50	.....
33	0 80	1 45	1 65	2 50	2 80	3 00	3 00	4 00	.....	5 75	.....
35, 45 and 55	1 00	1 50	2 00	2 30	2 90	3 50	3 75	4 50	.....	6 00	7 50
42	1 20	1 60	2 00	2 50	3 00	3 60	.....	4 40	5 00	6 00	.....
52	1 20	1 60	2 25	3 10	3 35	3 70	.....	4 65	5 00	6 20	8 00
57, 67 and 77	1 10	1 80	2 60	3 60	3 70	4 00	4 80	5 40	6 00	7 20	9 00
75, 78 and 88	.....	1 60	2 40	2 90	3 70	4 30	4 70	5 50	6 00	7 50	9 50
85 and 95	.....	.....	.....	3 40	4 00	.....	4 80	6 50	7 00	8 00	10 00
108	.....	2 50	.....	3 30	3 80	4 50	4 80	5 75	7 00	8 00	10 00
1050 and 1075	.....	.....	.....	4 25	4 25	4 50	5 25	6 00	7 00	8 00	10 00
600	.....	.....	.....	7 50	.....	.....	9 00	10 40	14 00	20 00	.....

Wheels bored and key-seated or furnished with set screws at above prices. A discount will be made on wheels not bored.

"INGERSOLL" ROCK DRILLS

Letters indicating size.	A	B	C	D	E	F	G	H
Diameter of Cylinder	1 1/4 in.	2 1/4 in.	2 3/4 in.	3 in.	3 1/2 in.	3 3/4 in.	4 1/4 in.	5 in.
Length of Stroke	.....	4	5	6	.....	6 1/2	7	7
Weight of Drill, unmounted	.....	155 lbs.	195 lbs.	230 lbs.	.....	345 lbs.	605 lbs.	670 lbs.
Shipping Weight, complete	.....	530	570	600	.....	850	1280	1345
Size of Boiler	.....	5 h.p.	7 h.p.	8 h.p.	.....	10 h.p.	12 h.p.	12 h.p.
Price of Drill, unmounted	\$145	225	250	275	300	325	375	425
" Adjustable Tripod, complete	30	50	50	50	50	50	55	55
" Drill and Tripod, complete	175	275	300	325	350	375	430	480
" Tunnel Column, with arm and clamp, any length to 8 ft.	50	60	60	60	60	60	90	90
" Plain Shaft Bar (to 9 ft.) with clamp	50	50	50	50	50	84	84	84
Code, Drill, unmounted	Inquest	Inquiry	Inrail	Inroad	Insect	Insert	Insight	Insist

CUSHMAN CHUCKS



INDEPENDENT FOUR-JAW
(With Reversible Jaws)

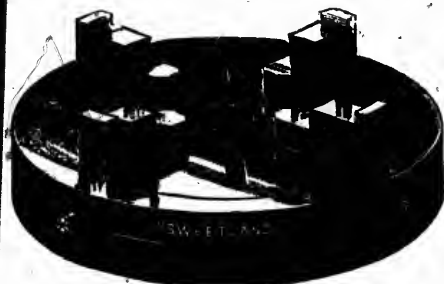
Diameter	Weight	Diameter of Hole	Diameter of Face-Plate	Price	Code
In.	Lbs.	In.	In.	\$	
4 $\frac{3}{8}$	6	1	4 $\frac{3}{8}$	14 00	Instal
6	11	1 $\frac{3}{8}$	5 $\frac{1}{8}$	18 00	Instep
8	25	1 $\frac{5}{8}$	4 $\frac{3}{4}$	22 00	Instil
10	35	2	4 $\frac{3}{4}$	26 00	Instinct
12	54	3	6 $\frac{1}{8}$	30 00	Insular
14	72	3	6 $\frac{1}{8}$	34 00	Insult
16	86	3	6 $\frac{1}{8}$	38 00	Insure
18	113	4	7 $\frac{1}{8}$	44 00	Integer
20	122	4	7 $\frac{1}{8}$	50 00	Intend
22	172	4 $\frac{3}{4}$	9 $\frac{1}{2}$	57 00	Intense
24	193	4 $\frac{3}{4}$	9 $\frac{1}{2}$	65 00	Inter

Combination Lathe Chucks

THREE JAWS			FOUR JAWS		
Diameter	Price	Code	Diameter	Price	Code
In.	\$		In.	\$	
4	26 00	Interest	4	32 00	Intone
6	26 00	Interim	6	32 00	Intrench
9	34 00	Interior	9	42 00	Intrepid
12	44 00	Interlay	12	56 00	Intrigue
15	52 00	Intermit	15	64 00	Intrinsic
18	62 00	Intern	18	75 00	Intromit
21	80 00	Interstice	21	96 00	Intwist
24	100 00	Interval	24	120 00	Inurn
30	170 00	Interview	..	.....	.....
36	230 00	Intimacy	..	.....	.....

Diameter
6
9
12
15
18
21
24
30
36
Car Whe

UCKS



Sweetland Chucks

(Both Independent and Universal)

Code
Instal
Instep
Instil
Instinct
Insular
Insult
Insure
Integer
Intend
Intense
Inter

THREE JAWS.			FOUR JAWS.		
Diameter.	Price.	Code.	Diameter.	Price.	Code.
6 In.	\$26 00	Invide	6 In.	\$32 00	Inward
9	34 00	Invasion	9	42 00	Inwrap
12	44 00	Inveigh	12	56 00	Iodine
15	52 00	Invent	15	64 00	Ire
18	62 00	Inverse	18	75 00	Iris
21	80 00	Invert	21	95 00	Iron
24	100 00	Invest	24	120 00	Irony
30	170 00	Invoice	30	200 00	Island
36	220 00	Invoke			
Car Wheels	250 00	Involve			

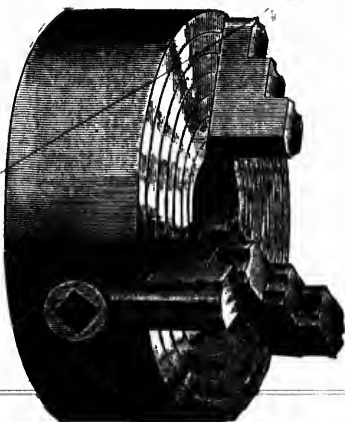
Independent Chucks

"SWEETLAND" FOUR JAWS.

ucks

R JAWS

Code
Intone
Intrench
Intrepid
Intrigue
Intrinsic
Intromit
Intwist
Inurn
.....
.....



"CHAMPION"

Dia.	Price.	Code.	Dia.	Price.	Code.
6 in.	\$18 00	Isle	21 in.	\$65 00	Itch
9	24 00	Islet	24	65 00	Item
12	30 00	Issue	30	120 00	Ivory
15	35 00	Isthmus	36	150 00	Ivy
18	44 00	Italic			

"CHAMPION" CHUCKS

Specifications and Price List

Diameter.	Weight.	Diameter of Hole.	Diam. of Face Plate.	Price, 5 Jaws.	Code	Price, 4 Jaws.	Code.
2	2	1 1/8	1 1/8	\$6 50	Jabber	\$8 00	Jacamar
2 1/2	1 1/2	1 1/4	1 1/4	7 50	Jacent	9 00	Jackass
3	2	1 1/2	1 1/2	8 50	Jacinth	10 00	Jackdaw
4	4	2 1/4	2 1/4	10 00	Jack	12 00	Jacket
5	6 1/2	3 1/4	3 1/4	12 00	Jackal	14 00	Jacobin

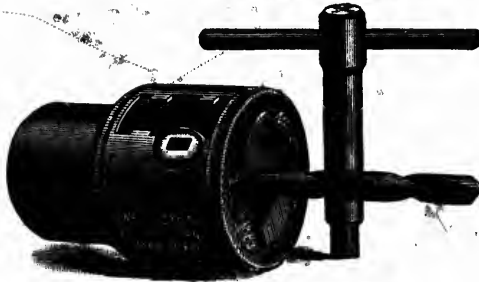
SOHO MACHINE WORKS, TORONTO

Drill Chucks



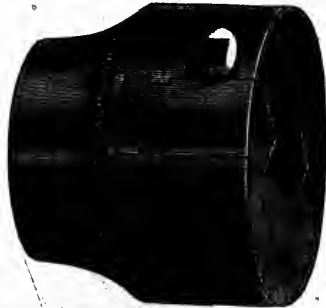
THE "HARTFORD"

No.	Holds	Price	Code
0	In. 0 to 1/4	\$ 6 00	Jaconet
1	0 to 1/2	7 00	Jade
2	0 to 3/4	8 00	Jag



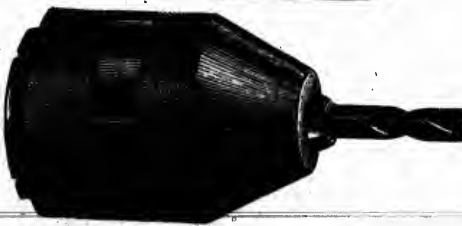
The "LITTLE GIANT"

No.	Holds	Price	Code
00	In. 0 to 1/4	\$ 7 00	Jaguar
10	0 to 1/2	8 00	Jail
1	0 to 3/8	9 00	Jam
2	0 to 1	10 00	Jangle
2 1/2	0 to 1	11 00	Jant



THE "REID"

No.	Holds	Price	Code
1	In. 0 to 1/2	\$ 10 00	Jag
2	0 to 3/4	12 00	Jar



THE "GIANT"

No.	Holds	Price	Code
1	In. 0 to 1 1/8	\$ 5 50	Jargon
2	0 to 3/4	6 00	Jasmine
3	1 1/8 to 1 1/2	10 00	Jasper



Size	Jaw take
In. 6	In. 2 1/2
7	3
9	4
12	6
15	8

No.	Length
2	1 1/8
3	1 1/4
4	1 1/2
4 1/2	1 3/4
5	1 7/8
6	2
7	2 1/4

No. in Set	Size
9	1 1/8
9	1 1/4
9	1 1/2

- Screw Pitch C
- Steel Wire G
- Drill Gauge.
- Saw Gauge.
- Pocket Level.
- 4 inch Bench
- 6 "
- Planer, Angle
- 6 inch Planer
- 8 "
- 10 "
- 6 inch Caliper

BROCK'S PATENT CHAIN TONGS



Size.....	No. 1	No. 2	No. 3	No. 4
Capacity up to.....	1½	2½	4	8
Price, each.....	\$4.50	7.00	9.50	14.00
Code.....	Job	Jockey	Jocose	Jocund

BROWN'S ADJUSTABLE PIPE TONGS



Nos.....	1	1½	2	3	4	5
Takes Pipe..	¼ to ¾ in.	¾ to 1 in.	1 to 1½ in.	1 to 2 in.	1½ to 3 in.	2½ to 4 in.
Price, each..	\$1 13	1 20	1 65	2 15	4 50	9 00
Code.....	Joy	Join	Joiner	Joint	Joist	Joke

PIPE CUTTERS



No.	Capacity.	Price, 1 Wheel	Code.	Price, 3 Wheel	Code.
1	½ to 1 in.	\$3 00	Jolly	\$4 50	Jot
2	1 to 2 in.	4 50	Jolt	6 00	Journal
3	2 to 3 in.	14 00	Jostle	10 00	Journey

ALLIGATOR WRENCHES



Nos.	1	2	3	4	5
Holds Pipe..	½ to ¾ in.	¾ to 1 in.	1 to 1½ in.	1½ to 2 in.	2 to 3 in.
" Iron.....	¾ to 1 in.	1 to 1 in.	1½ to 1 in.	1½ to 2 in.	2½ to 3 in.
Length.....	6½ in.	10 in.	16 in.	22 in.	27 in.
Price, each..	\$0 40	\$1 00	\$2 00	\$3 00	\$4 50
Code.....	Jovial	Joy	Jubilee	Judge	Jug

MALLEABLE IRON PIPE VISES

No. 1, holds pipe ½ to 2 inches, weighs 16 lbs.	\$10 00	Code.
No. 2, " " " " " " " " " "	15 00	Julep
No. 1, " " " " " " " " " "	12 00	July
No. 2, " " " " " " " " " "	16 00	Jumble

Size, inches
Price, per
Code.....

Size, inches
Price, per
Code.....

Size, inches
Price, per
Code.....

6 inch Adj
9 "
12 "

Heavy Steel Lathe Dogs



No.	Inch	Price	Code	No.	Inch	Price	Code
1	$\frac{3}{8}$	\$0 40	Kennel	13	2 $\frac{1}{2}$	\$1 35	Kidney
2	$\frac{1}{2}$	0 50	Kept	14	2 $\frac{3}{4}$	1 45	Kill
3	$\frac{3}{4}$	0 60	Kermes	15	3	1 60	Kiln
4	1	0 60	Kern	16	3 $\frac{1}{2}$	1 80	Kift
5	1 $\frac{1}{4}$	0 70	Kernel	17	4	2 10	Kimbo
6	1	0 70	Kestrel	18	4 $\frac{1}{2}$	2 75	Kin
7	1 $\frac{1}{2}$	0 80	Kettle	19	5	3 25	Kind
8	1 $\frac{3}{4}$	0 80	Key	Full set of 19	23	60	Kindle
9	1 $\frac{3}{4}$	0 95	Khediye	20*	5 $\frac{1}{2}$	4 00	Kindred
10	1 $\frac{1}{2}$	0 95	Kick	21	6	5 00	Kine
11	1 $\frac{3}{4}$	1 10	Kid	22*	7	6 00	King
12	2	1 20	Kidnap	23*	8	7 00	Kino

One small set of 8, by $\frac{1}{4}$ in. to 2 in. \$6 25 Kinsman
 One set of 12, by $\frac{1}{4}$ to 2 in. continued by $\frac{1}{2}$
 to 4 in. 13 20 Kiosk
 * Extra.

Straight Tail Lathe Dogs



No.	Inch	Price	Code	No.	Inch	Price	Code
1	$\frac{3}{8}$	\$0 60	Kirk	11	2 $\frac{1}{2}$	\$1 45	Knag
2	$\frac{1}{2}$	0 70	Kirtle	12	3	1 60	Knave
3	1	0 70	Kiss	13	3 $\frac{1}{2}$	1 80	Knead
4	1 $\frac{1}{4}$	0 80	Kit	14	4	2 10	Knee
5	1 $\frac{1}{2}$	0 80	Kitchen	15	4 $\frac{1}{2}$	2 75	Kneel
6	1 $\frac{3}{4}$	0 95	Kite	16	5	3 25	Knell
7	1 $\frac{1}{2}$	0 95	Kitten	17	5 $\frac{1}{2}$	4 00	Knelt
8	1 $\frac{3}{4}$	1 10	Klick	18	6	5 00	Knife
9	2	1 20	Knab	19	7	6 00	Knight
10	2 $\frac{1}{2}$	1 35	Knack	20	8	7 00	Knit

One set to 2 in. \$7 80 Knacker. Full set \$44 10 Knob

STEEL DOG WRENCHES



Size. Price. Code.
 $\frac{1}{2}$ to $\frac{3}{4}$ 75c. Knock

These are

No. Op

1 To
2 " "
3 " "

No. Si

1 to
2 to
3 to

No. Siz

1 to
2 to
3 to
4 to

Dogs

No.	Price	Code
1	\$1 35	Kidney
1	1 45	Kill
1	1 60	Kiln
1	1 80	Kift
2	2 10	Kimbo
2	2 75	Kin
3	3 25	Kind
23	60	Kindle
4	4 00	Kindred
5	5 00	Kine
6	6 00	King
7	7 00	Kino

\$6 25 Kinsman
13 20 Kiosk

Dogs

No.	Price	Code
\$1	45	Knag
1	60	Knave
1	80	Knead
2	10	Knee
2	75	Kneel
3	25	Knell
4	00	Knelt
5	00	Knife
6	00	Knight
7	00	Knit

44 10 Knob

WRENCHES

No.	Code	Knock
-----	------	-------

STEEL CLAMP DOGS

These are made from the Steel Bar. They will carry all that can be put into them.



Prices:

No.	Opens	Price	Code
1	1 inch	\$1.25	Knocker
2	1 1/2 "	1.50	Knoll
3	2 "	1.75	Knop
4	3 "	2.00	Knot
Full Set			\$6.50 Knout

VISE CLAMPS

No.	Opens	Price	Code	No.	Opens	Price	Code
1	To 1 1/4 in.	\$1 25	Khow	4	To 4 1/2 in.	\$2 50	Kraal
2	" 2 1/4 in.	1 50	Knuckle	5	" 5 1/2 in.	3 25	Label
3	" 3 1/4 in.	2 00	Koran	6	" 6 1/2 in.	4 00	Labial

STEEL CHUCK DRILL HOLDERS

No.	Size	Price	Code	No.	Size	Price	Code
1	3/8 to 1/2 in.	\$0 50	Labor	4	1 1/4 to 1 1/2 in.	\$0 75	Lack
2	1/2 to 3/4 in.	0 50	Lac	5	1 1/2 to 2 in.	0 90	Lackey
3	3/4 to 1 in.	0 60	Lace	Full Set		3 25	Laconic

PLAIN WRENCHES—Drop Forged.

No.	Size	Price	Code	No.	Size	Price	Code
1	1/4 to 1/2 in.	\$0 25	Lactal	5	7/8 to 1 in.	\$0 90	Lade
2	1/2 to 3/4 in.	0 40	Lactic	6	1 1/8 to 1 1/2 in.	1 50	Laden
3	3/4 to 1 in.	0 50	Lad	7	1 1/2 to 1 3/4 in.	2 50	Ladle
4	1 to 1 1/4 in.	0 60	Ladder	Per Set		6 65	Lady

SOHO MACHINE WORKS, TORONTO

Vises

Double Screw Parallel Leg Vise

This Vise requires very little more power to move than the ordinary Single Screw Vise. It holds the work parallel always, at any opening up to the full measure of its capacity. The jaws are made of the best tool cast steel, welded on, file cut, properly hardened and of convenient shape; and for a strong, durable, convenient, wise, there is nothing to equal this "Fisher" Vise in the market.



"THE FISHER"

PRICE LIST

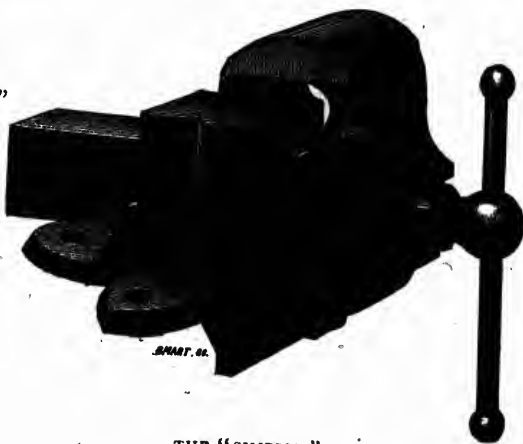
No.	Weight	Face of Jaws	Opens	Price Each	Code
1	25 lbs	3½ in.	4½ in.	\$7 50	Laggard
2	65	4½	5½	10 50	Lagoon
3	90	5½	6½	16 00	Lalc
4	120	6½	7½	20 00	Laid
5	150	7	9	26 00	Lain
6	160	8	10	30 00	Lair

NOTE.—The No. 1 is too small to require a Leg, and is therefore made without it.

THE "STATIONARY"

Has Quick

Adjustment



THE "STANDARD"

Is Without Quick

Adjustment

THE "SIMPSON"

STATIONARY VISE						STANDARD VISE					
No.	Jaws		Weight	Price	Code	No.	Jaws		Weight	Price	Code
	Face	Open					Face	Open			
29	2½ in.	3½ in.	15½ lbs.	\$4 75	Laird	89	2½ in.	3½ in.	16 lbs.	\$4 75	Lambent
30	3½	4	26	6 50	Laity	90	3½	4	26½	6 50	Lambkin
31	4	5	37	8 00	Lake	91	4	5	38	8 00	Lame
32	4½	5½	49	10 00	Lama	92	4½	5½	50	10 00	Lament
33	5	6	64	12 50	Lamb	93	5	7	65	12 50	Laminar

SWIVEL	
Jaws.	
Face.	Op.
Inch.	In.
11	2½
12	2½
13	3½
14	4
15	4½

SWIVEL	
Jaws.	
Face.	Op.
Inch.	In.
42	4
43	4½

No.	St.
1	"Ne
2	
3	"Ste
4	
5	"Pro
6	
7	Shape
8	For M

S

Parallel Leg Vise
 more power to move
 w Vise. It holds the
 opening up to the full
 jaws are made of the
 on, file cut, properly
 shape; and for a
 ise, there is nothing
 the market.

T

Price Each	Code
\$7 50	Laggard
10 50	Lagoon
16 00	Lalc
20 00	Laid
26 00	Lain
30 00	Lair

small to require a
 out it.



SWIVEL BENCH VISE

WITH QUICK ADJUSTMENT.						WITHOUT QUICK ADJUSTMENT.					
d Z	Jaws.		Weight.	Price.	Code.	d Z	Jaws.		Weight.	Price.	Code.
	Face.	Open.					Face.	Open.			
	Inch.	Inch.	Lbs.	Inch.	Inch.		Lbs.				
11	2½	2¾	9½	\$4 00	Lamp	79	2¾	3½	18	\$5 50	Lancet
12	2¾	3½	17½	5 50	Lampoon	80	3½	4	28½	7 50	Land
13	3½	4	28	7 50	Lamprey	81	4	5	45	10 00	Landau
14	4	5	44	10 00	Lance	82	4½	.....	60	13 00	Landgrave
15	4½	5¾	59	13 00	Lancer						

SWIVEL COACHMAKERS' VISES						DO. WITH SWIVEL JAWS.					
d Z	Jaws.		Weight.	Price.	Code.	d Z	Jaws.		Weight.	Price.	Code.
	Face.	Open.					Face.	Open.			
	Inch.	Inch.	Lbs.	Inch.	Inch.		Lbs.				
42	4	8½	48	\$11 50	Landmark	46	4	8½	52	\$13 00	Landslip
43	4½	10½	58	13 00	Landscape						

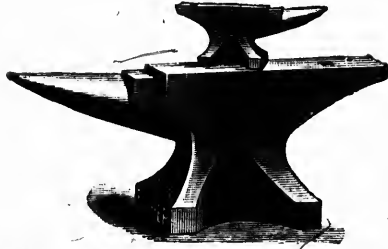
CHUCKS AND VISES
 (For Planer, Shaper and Milling Machines)

No.	Style.	Width of Jaw.	Opens.	Swivel Jaw.	Swivel Graduated Base.	Weight.	Price.	Code.
1	"Newell"	Inch. 10	Inch. 5½	"	"	Lbs. 185	\$60 00	Lanc
2	"	14	8	"	"	.....	80 00	Languid
3	"Stephens"	10	10	.....	"	70	40 00	Languor
4	"	14	12	"	"	120	60 00	Lank
5	"Prouty"	12	12	"	"	.....	35 00	Lantern
6	"	14	14	.....	Square	.....	40 00	Lap
7	Shaper	12	8	.....	.....	.....	35 00	Lapdog
8	For Milling Machine Vises, see page 8.							

WISE

Price	Code
\$4 75	Lambent
6 50	Lambkin
8 00	Lame
10 00	Lament
12 50	Laminar

Eagle Anvils



These anvils are fully warranted. The "Peter Wright" and all anvils, except the EAGLE, are made with a body and horn of fibrous wrought iron. This soft iron gradually settles, carrying the face with it, and the anvil becomes hollowed on the face. Shear steel for the face is used, but it can never be made to take good temper like cast steel. The EAGLE ANVIL body is made of gun metal—crystallized iron—which neither settles nor breaks, and not only the face, but the horn also, is of the best Tool Cast Steel, welded on so perfectly by the process of its original and only inventor, the late Mr. Mark Fisher, that it is warranted never to come off. The face, planed to a true surface, is made so hard that it always remains so. The steel horns are tough and unhardened and will not break or bend.

STANDARD DIMENSIONS

Weight	FACE			HORN	Code
	Length	Width	Cutter Hole Square	Length	
Pounds	Inches	Inches	Inches	Inches	Code
100	12	3 $\frac{1}{2}$	3 $\frac{1}{2}$	8 $\frac{1}{2}$	Lapel
110	12 $\frac{1}{2}$	3 $\frac{3}{4}$	3 $\frac{3}{4}$	8 $\frac{1}{2}$	Lappet
120	12 $\frac{3}{4}$	3 $\frac{3}{4}$	3 $\frac{3}{4}$	8 $\frac{1}{2}$	Lapse
130	13 $\frac{1}{4}$	3 $\frac{3}{4}$	3 $\frac{3}{4}$	9	Larch
140	14	4	4	9	Lard
155	14 $\frac{1}{2}$	4	4	10	Larder
170	14 $\frac{3}{4}$	4 $\frac{1}{2}$	1	10	Lares
180	15	4 $\frac{1}{2}$	1	10	Largess
200	15 $\frac{1}{2}$	4 $\frac{1}{2}$	1	10	Lark
*200	16 $\frac{1}{4}$	4 $\frac{1}{2}$	1	10 $\frac{1}{2}$	Larva
215	17	4 $\frac{1}{2}$	1	10 $\frac{3}{4}$	Larynx
225	16 $\frac{3}{4}$	4 $\frac{1}{2}$	1	10	Lash
250	17 $\frac{1}{4}$	5 $\frac{1}{2}$	1 $\frac{1}{4}$	10 $\frac{1}{2}$	Lass
275	17 $\frac{3}{4}$	5 $\frac{1}{2}$	1 $\frac{1}{4}$	11	Lasso
300	18 $\frac{1}{4}$	5 $\frac{1}{2}$	1 $\frac{1}{4}$	11 $\frac{1}{2}$	Last
350	19 $\frac{1}{4}$	6	1 $\frac{1}{2}$	12	Latch
400	21	6	1 $\frac{1}{2}$	12 $\frac{1}{2}$	Late
450	22	6 $\frac{1}{2}$	1 $\frac{3}{4}$	14	Latent
500	23	6 $\frac{1}{2}$	1 $\frac{3}{4}$	14 $\frac{1}{2}$	Later

Price, 10 cents per pound.

* Horseshoers' (Special).



Size	PRICE
In.	\$
24	15 00
26	16 00
28	17 00
30	18 00
32	22 00

Double Chain Screw Hoisting Machines

(In ordering Chains, allow four feet of Chain to each foot of Lift.)

This is the most complete chain block manufactured on the Continent. No factory can afford to be without it.



and all anvils, except iron. This soft iron is hollowed on the ends to take good temper—crystallized iron—iron also, is of the best original and only to come off. The remains so. The steel

Code
Code
Lapel
Lappet
Lapse
Larch
Lard
Larder
Lares
Largess
Lark
Larva
Larynx
Lash
Lass
Lasso
Last
Latch
Late
Latent
Later

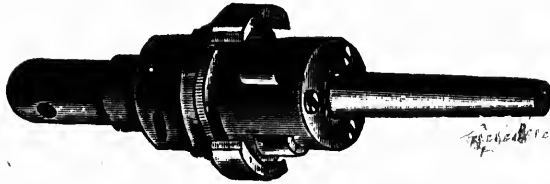
Weight of Machine	Lift	To Raise	Price	Extra Lift per ft.	Code
Lbs.	Ft.	Lbs.	\$	\$	
35	8	500	27 00	1 20	Lath
52	8	1000	30 00	1 44	Lathe
65	8	2000	36 00	1 80	Lather
76	8	3000	48 00	2 00	Latin
140	9	4000	66 00	2 40	Latrant
226	10	6000	90 00	2 60	Latter
258	10	8000	115 00	2 90	Lattice
625	12	10000	170 00	3 60	Laud
750	12	12000	215 00	4 50	Laugh
875	12	16000	315 00	5 70	Laughter
925	12	20000	400 00	7 20	Launch

BELLOWS

Size	PRICE	Code	PRICE	Code	Size	PRICE	Code	PRICE	Code
	'Dominion'		'Common'			'Dominion'		'Common'	
In.	\$		\$		In.	\$		\$	
24	15 00	Laundry	12 00	Lavish	34	24 00	Laxity	17 00	Lazar
26	16 00	Laurel	13 00	Law	36	28 00	Lay	18 00	Lazy
28	17 00	Lava	14 00	Lawn	38	32 00	Layer	22 00	Lea
30	18 00	Lave	15 00	Lawyer	40	36 00	Layman	26 00	Lead
32	22 00	Laver	16 00	Lax	Coopers' Testing Bellows, 5 00		Leader		
.....	.....	.....	.....	.....	Moulders' Bellows..... 1 75		Leaf		

SOHO MACHINE WORKS, TORONTO

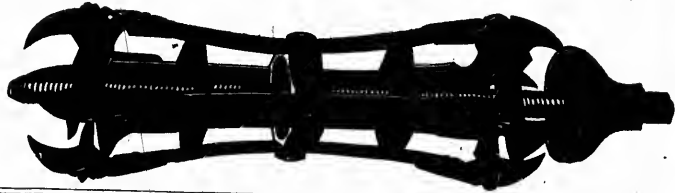
ROLLER TUBE EXPANDERS



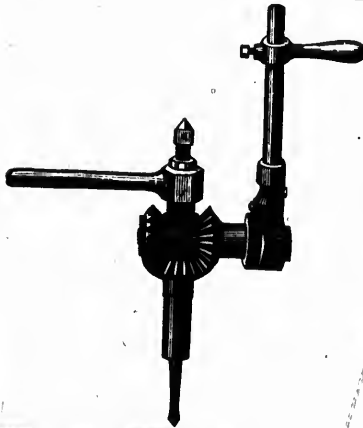
Size ...	In. 1 1/4	In. 1 1/2	In. 1 3/4	In. 1 7/8	In. 2	In. 2 1/4	In. 2 1/2	In. 2 3/4	In. 3	In. 3 1/2
Price ..	\$14 00	15 00	15 00	15 00	16 00	16 00	18 00	20 00	22 50	28 00
Code ..	Leafy	League	Leaky	Leal	Lean	Leap	Learn	Lease	Leash	Least

Expanders for special purposes made to order.

TUBE CLEANERS



Size	In. 2	In. 2 1/2	In. 3	In. 3 1/2	In. 4
Price, each.....	\$2 00	2 50	3 00	3 50	4 00
Code	Leaven	Led	Ledge	Lee	Leech



RATCHET DRILLS

Sandiford's

No.		Code
1.	—10-inch handle, each. \$15	Leek
2.	—12 " " " " " 18	Leer

Lowell Reversible

No.		Code
1.	—10-inch handle, each. \$ 6	Lees
2.	—12 " " " " " 8	Leet
3.	—15 " " " " " 10	Leeward

SANDIFORD'S CONTINUOUS MOTION

F

S

Z

He

0 28 in.

1 21 in.

4 18 in.

6 14 in.

Blowers, 12

" 12

Stu

The Bl

Blowers, w

guaranteed

sheet steel

with asbest

gear.

HEIGHT OF

SIZE OF PA

DIAM. OF B

WEIGHT...

PRICE, OPEN

CODE, "

BUFFALO

Forges and Hand Blowers

No.	Size of Hearth.	Diam. of Fan.	Wt., complete.	Price, with Open Hood.	Code.	Price, with Dash.	Code.	Price, with Closed Hood.	Code.	Price, arranged for Power.	Code.
0	28 in. x 40 in.	12	Lbs. 250	\$45	Leeway	\$44	Legal	\$48	Legume	\$50	Lend
1	21 in. x 27 in.	8	150	30	Left	29	Legend	32	Lemma	35	Length
4	18 in. round..	6	85	26	Leg	25	Leger	28	Lemon	30	Lenient
6	14 in. round..	5	40	18	Legacy	17	Legion	20	Lemur	.....	.....
Blowers, 12in. Fan, iron frame				Price \$25	Lenity	.....	.....	.....	.....	Price \$28	Lens
" 12in. " wood "				22	Leno	.....	.....	.....	.....	25	Lent

Sturtevant's Portable Forges

The Blower is made in the same manner as the regular Sturtevant Steel Pressure Blowers, with Babbitted journal boxes, steel shaft and galvanized steel blast wheel, guaranteed to give a stronger blast than any other wheel made. The hoods are of sheet steel in place of stove-pipe iron, and the fire-pan is of double thickness, lined with asbestos to prevent the heat from cracking the main pan or affecting the running gear.

DIMENSIONS AND WEIGHTS

	1	2	3	4	5
HEIGHT OF PAN	33 in.	33 in.	33 in.	31 in.	31 in.
SIZE OF PAN.....	{ Round 21 diam.	Round 21 diam.	Round 21 diam.	22 x 33	26½ x 38½
DIAM. OF BLOWER...	10	10	10	10	10
WEIGHT.....	117	127	140	157	173
PRICE, OPEN HOOD	\$26 00	29 00	31 00	35 00	40 00
CODE, " " ...	Lenten	Lentil	Leonine	Leopard	Leper *

SOHO MACHINE WORKS, TORONTO

In. 22	In. 3	In. 3½
20 00	22 50	28 00
ease	Leash	Least



In. 3½	In. 4
3 50	4 00
	Leech

DRILLS

rd's	Code
h. \$15	Leek
18	Leer

versible	Code
h. \$ 6	Lees
8	Leet
10	Leeward



I carry a very large stock of this belting, and in the widths $4\frac{1}{2}$ in. and under (in single belting) always have an assortment varying from 14 to 20 oz. to the square foot, and in the widths 5 in. and over (in single belting) to 16 in., I have an assortment of weights from 18 to 24 oz. to the square foot. Widths up to 4 in. have laced joints or laced and riveted, or riveted only, just as customers prefer. Widths $4\frac{1}{2}$ in. and over are all laced and riveted joints. All joints are glued. I also have in stock 3, $3\frac{1}{2}$, 4, 6, 8, 12 and 18 in. in double belts, weighing from 36 to 45 oz. to the square foot.

I append herewith the usual low Canadian price list (see discount sheet for discounts). If any of my customers prefer to buy by the weight, I will sell by the pound on a net cash basis, 6 in. and under in single belting, 75c. per pound; over 6 in. in single belting, 85c. per pound. Double belting, any width, 95c. per pound.

PRICE LIST

Width	Price per ft.	Code	Width	Price per ft.	Code	Width	Price per ft.	Code	Width	Price per ft.	Code
In.	c.		In.	c.		In.	\$		In.	\$	
1	.07	Lesion	$4\frac{1}{2}$	.40	Leveret	12	1 20	Libra	22	2 45	Lien
1	.09	Lessee	5	.45	Leviathan	13	1 32	Librate	24	2 75	Lift
1	.12	Lesson	$5\frac{1}{2}$	.50	Levite	14	1 44	Licence	27	3 13	Ligament
1	.14	Lessor	6	.55	Lexicon	15	1 56	Lichen	30	3 50	Ligation
1	.15	Letter	7	.65	Ley	16	1 70	Lick	39	4 25	Ligature
1	.20	Levant	8	.75	Liaison	17	1 82	Lid	49	5 00	Light
1	.25	Levee	9	.85	Liar	18	1 95	Lie			
1	.30	Level	10	.95	Libel	19	2 07	Lief			
1	.35	Lever	11	1.07	Liberal	20	2 26	Liege			

Code is for 14 to 16 oz.
Add 's' to code for heavy

Double Belts, double price, code—Lighterman.

Width

2 in.
2½
3
3½
4
4½
5
6
7
8
9
10
11
12
13
14
15
16
18
20
22
24
26
28

Intern
"Sta
"He
"F
leather—we
on four-ply

Width

1 in.
1½
1¾
2

Endle
for the SPLI

Rubber Belting

(Made from Best Cotton Duck)

THREE-PLY			FOUR-PLY		
Width	Price per foot	Code	Width	Price per foot	Code
2 in.	\$0 17	Lightness	2 in.	\$0 21	Linger
2½	0 22	Lightning	2½	0 26	Lingual
3	0 26	Ligneous	3	0 31	Liniment
3½	0 30	Lignite	3½	0 37	Lining
4	0 34	Lignum	4	0 42	Link
4½	0 39	Like	4½	0 47	Linnet
5	0 43	Lilac	5	0 52	Linseed
6	0 52	Lilt	6	0 62	Linstock
7	0 60	Lily	7	0 73	Lint
8	0 70	Limb	8	0 84	Lintel
9	0 80	Limbo	9	0 95	Lion
10	0 90	Lime	10	1 07	Lip
11	1 00	Limit	11	1 18	Liquid
12	1 08	Limn	12	1 30	Liquor
13	1 18	Limous	13	1 42	Lisp
14	1 28	Limp	14	1 54	Lissom
15	1 38	Limpet	15	1 66	List
16	1 50	Limpid	16	1 78	Litany
18	1 70	Limy	18	2 02	Literal
20	1 90	Linden	20	2 26	Literary
22	2 12	Lineal	22	2 52	Litbate
24	2 36	Linear	24	2 80	Lithia
26	2 60	Linen	26	3 08	Litigant
28	2 84	Ling	28	3 36	Litigate
			30	3 64	Litmus



½ in. and under
oz. to the square
have an assort-
4 in. have laced
Widths 4½ in.
so have in stock
o 45 oz. to the

discount sheet for
will sell by the
er pound; over
95c. per pound.

Intermediate widths at proportionate prices.
"Standard" is made of 28 ounce Cotton Duck.
"Heavy" is made of 32 ounce Cotton Duck.

For purposes where unusual strength is required—equivalent to double leather—we make five or six-ply belts to order, at one week's notice, at an advance on four-ply prices of 25 per cent. for each additional ply.

Two-Ply Machine Belting

(For Agricultural Machines and other Light Work)

Width	Price per foot	Code	Width	Price per foot	Code
1 in.	\$0 07	Litter	2½	\$0 18	Liver
1½	0 09	Little	3	0 22	Livid
1¾	0 11	Littoral	3½	0 26	Lizard
2	0 15	Liturgy	4	0 30	Loach

Endless Belts made to order, for which **THREE EXTRA FEET** will be charged for the **SPLICE**, and same discount.

SOHO MACHINE WORKS, TORONTO

COTTON BELTING

2-PLY		Code	3-PLY		Code	4-PLY		Code
Width	Price		Width	Price		Width	Price	
1 in.	\$0 04	Lob	1½ in	\$0 07	Locust	4 in.	\$0 21	Loosen
1½	0 05	Lobby	2	0 09	Lode	4½	0 24	Loot
2	0 06	Lobe	2½	0 11	Lodge	5	0 26	Lop
2½	0 07	Lobster	3	0 13	Loft	5½	0 28	Lore
3	0 08	Local	3½	0 15	Log	6	0 30	Lorn
3½	0 09	Loch	4	0 16	Logic	7	0 34	Loss
4	0 10	Lock	4½	0 18	Logwood	8	0 38	Loss
5	0 14	Locker	5	0 20	Loin	9	0 44	Lost
6	0 18	Lock e t	5½	0 22	Loiter	10	0 50	Lot
.....	.....	.....	6	0 24	Loll	11	0 55	Lotion
.....	.....	.....	7½	0 28	Lollard	12	0 60	Lotus
.....	.....	.....	8	0 32	Lone	13	0 67	Loud
.....	.....	.....	9	0 36	Long	14	0 75	Lough
.....	.....	.....	10	0 40	Loo	15	0 83	Lounge
.....	.....	.....	11	0 45	Looby	16	0 90	Lout
.....	.....	.....	12	0 50	Look	17	0 95	Louvre
.....	.....	.....	14	0 62	Loom	18	1 00	Love
.....	.....	.....	16	0 75	Loon	19	1 08	Lover
.....	.....	.....	18	0 86	Loop	20	1 15	Low
.....	.....	.....	20	0 96	Loose	22	1 35	Lower

Belting in stock in 3-ply up to 9 inch wide. Any other ply or width not in stock can be procured in ten days after receipt of order.

Belts of any width and ply not on this List can be made to order at proportionate prices on short notice.

ELEVATOR BUCKETS



Across Belt	Projection	Capacity. Pints	Price	Code
3 in.	3 in.	½	\$0 5½	Lowly
3½	3	¾	0 6	Loyal
4	3	1	0 7	Lozenge
4½	3½	1½	0 8	Lubber
5	4	2	0 10	Lubric
5½	4	2½	0 11	Lucent
6	4	3	0 12	Lucern
7	5	4	0 14	Lucid

Odd sizes, 20 per cent. additional.

ELEVATOR BOLTS

Dia.	Length	Price per 100	Code	Dia.	Length	Price per 100	Code
In.	In.	\$		In.	In.	\$	
¾	¾	2 20	Lucifer	¾	1	3 00	Lucky
½	1	2 20	Luck	¾	1½	3 00	Lucre

“Rawhide
“Thorough
Either style
American L

FOR NEW

- No. 15, 1,00
- “ 13, “
- “ 10, “
- “ 8, 50
- “ 7, 25
- “ 6, 25

Place the fasteners, begin driving belt over and points of the the belt. (A between those were driven, fastening in

Code	
0 21	Loosen
0 24	Loot
0 28	Lop
0 28	Lore
0 30	Lorn
0 34	Lose
0 38	Loss
0 44	Lost
0 50	Lot
0 55	Lotion
0 60	Lotus
0 67	Loud
0 75	Lough
0 83	Lounge
0 90	Lout
0 95	Louvre
0 00	Love
0 08	Lover
0 15	Low
0 35	Lower

... can be procured
... at reasonable prices on

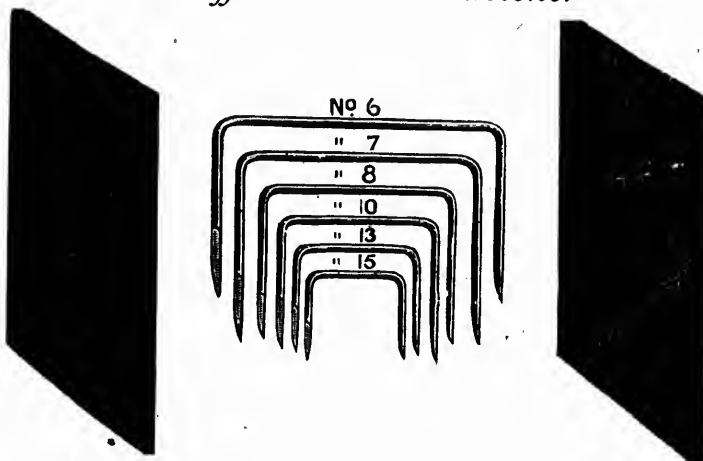
Code	
Lowly	
Loyal	
Lozeng	
Lubber	
Lubric	
Lucent	
Lucern	
Lucid	

Code	
Lucky	
Lucre	

Lace Leather

"Rawhide tan," in neat trimmed half hides	Per lb.	Code
"Thorough tan," " " " "	\$ 0 75	Luff
Either style, in cut laces to suit	0 75	Lug
American Lace, per square foot, 35 cts.	1 00	Lugger
	Add "S" for heavy	

"Buffalo" Belt Fastener



FOR NEW BELTS.

FOR OLD BELTS.

	Price	Code
No. 15, 1,000 in each box, per 1,000	\$ 1 50	Lull
" 13, " " " "	2 00	Lullaby
" 10, " " " "	2 50	Lumbago
" 8, 500 " " " "	3 50	Lumber
" 7, 250 " " " "	4 00	Luminous
" 6, 250 " " " "	5 00	Lump

Pliers for clinching, 35 cents per pair.

DIRECTIONS.

Place the ends of the belt to be fastened on a block of soft wood and drive the fasteners, beginning about one-fourth of an inch from the edge of the belt, and continue driving them at distances of one-half inch apart. Having done this, turn the belt over and place it on a piece of iron; if you have pinchers use them to curve the points of the projecting fasteners, then use the hammer to drive the points *back into the belt*. (Always clinch them toward the end of the belt.) Now drive fasteners between those just clinched so that they may be *clinched* on the side that the others were *driven*. Clinch as before, and you will have the best, cheapest and simplest fastening in use.

Rubber Hose

Internal Diameter.	STANDARD.			Code.	STEAM.				SUCTION. 4-Ply Hard Rubber.
	2 Ply Con'g.	3 Ply Hyd.	4 Ply Eng.		3 Ply 20 lbs. Steam.	4 Ply 36 lbs. Steam.	5 Ply 60 lbs. Steam.	6 Ply 75 lbs. Steam.	
	In.			4 Ply Eng.					
$\frac{1}{4}$	\$0 20	\$0 25	\$0 30	Lumper	\$0 43	\$0 51	\$0 64	\$0 76	
$\frac{1}{2}$	25	30	37	Lumpy	51	67	83	1 00	
1	33	40	50	Lunar	67	83	1 04	1 25	
$1\frac{1}{4}$	42	50	62	Lunch	85	1 04	1 30	1 56	\$0 75
$1\frac{1}{2}$	50	60	75	Lunge	1 02	1 25	1 56	1 87	93
2	66	80	1 00	Lupine	1 34	1 66	2 07	2 49	1 13
$2\frac{1}{2}$	83	1 00	1 25	Lurch	1 66	2 08	2 60	3 12	1 50
3	99	1 20	1 50	Lure					1 88

LINEN HOSE (UNLINED)

Internal Diameter.	Price, Per Foot.	Code.
1 in.	\$0 20	Lurid
$1\frac{1}{4}$	24	Lurk
$1\frac{1}{2}$	30	Luscious
2	36	Lusory
$2\frac{1}{2}$	45	Lust

COTTON HOSE (RUBBER LINED)

Internal Diameter.	Price, Per Foot.	Code.
$\frac{3}{4}$ in.	\$0 27	Lustful
1	33	Lustrate
$1\frac{1}{2}$	70	Lustre
2	90	Lusty
$2\frac{1}{2}$	1 20	Lute

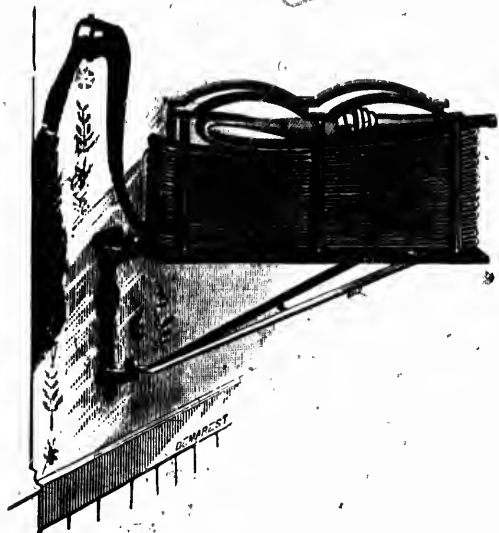
Hose Furnishings (BEST STEAM METAL)

Articles.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.	$2\frac{1}{2}$ in.	3 in.
Couplings.....	\$0 40	\$0 75	\$0 83	\$1 17	\$2 00	\$4 00	\$6 34
" for Linen Hose.....				1 65	2 50	5 00	
Nozzles (Screw Tip).....	66	83	2 00	2 50	4 17		
" Long Pattern (Screw Tip).....			50	3 00	4 17		
" with Cock (Screw Tip).....	1 50	2 00	2 25	6 00			
Nipples (male).....	30	42	75	84	1 17	2 34	3 34
" (male and female).....	30	42	75	84	1 17	2 34	3 34
Caps.....	34	50	67	83	1 25	2 00	
Clamps, per dozen.....	1 50	2 00	2 50	3 00	4 00	7 00	

This cu
Hose coupled
moment's noti
wing back t
and when brow
necessary angl
avoiding the p
importance.
with which a
Stations, Stear
protection as p

No.	Size	Inches
0		$1\frac{1}{4}$ or 2
00		$2\frac{1}{2}$
1		$1\frac{1}{2}$ or 2
2		$2\frac{1}{2}$
3		$1\frac{1}{4}$ or 2
4		$2\frac{1}{2}$

The Swinging Hose Rack



This cut represents the Swinging Hose Rack with 100 feet of 2½-inch Linen Hose coupled to the water outlet, with nozzle on the end and ready for use at a moment's notice. As the name indicates, the Rack swings, and when not in use is swung back to the wall. It is ornamental, **always ready, always in place,** and when brought into use, the moment the nozzle is grasped it will swing into the necessary angle, the hose, being laid on in layers, will run off rapidly and regularly, avoiding the possibility of twists and kinks, thus saving time when minutes are of importance. Underwriters recommend it as the best device in use for the rapidity with which a fire can be reached. Hotels, Apartment Houses, Factories, Railroad Stations, Steamboats and all Public Institutions that desire to make their system for protection as perfect as possible, need them.

		4-Ply Hard Rubber.
4	\$0 76	
3	1 00	
4	1 25	\$0 75
0	1 56	93
6	1 87	1 13
2	2 49	1 50
3	3 12	1 88

HOSE
(UNLINED)

Code.

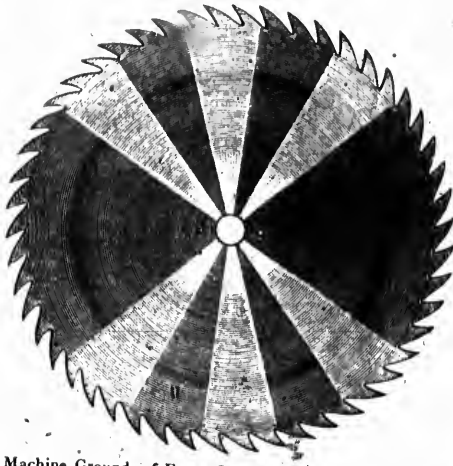
Lustful
Lustrate
Lustre
Lusty
Lute

2½ in.	3 in.
\$4 00	\$8 34
5 00	
2 34	3 34
2 34	3 34
2 00	
7 00	

FOR "UNLINED LINEN" HOSE					FOR "RUBBER-LINED LINEN" OR "MILL" HOSE				
No.	Size	Capacity	Price	Code	No.	Size	Capacity	Price	Code
0	1½ or 2	50	\$ 5	Luxate	3	1½ or 2	50	7 00	Lyre
00	2½	50	5	Lyceum	4	2½	50	7 00	Lyric
1	1½ or 2	100	6	Lydian	5	1½ or 2	100	7 50	Macaroon
2	2½	100	6	Lymph	6	2½	100	8 00	Macaw
3	1½ or 2	150	7	Lynch	Nos. 5 and 6 will carry Heavy Hose of almost any make in 50 ft. lengths.				
4	2½	150	7	Lynx					

SOHO MACHINE WORKS, TORONTO

Circular Saws.



Patent Machine Ground, of Extra Quality and Superior Workmanship.

Diam.	Gauge.	Speed.	Price.	Cost per gauge.	Code.	Diam.	Gauge.	Speed.	Price.	Cost each extra gauge.	Code.
4	18	4900	\$0 70	\$0 06	Mace	36	9	1000	\$21 00	\$1 50	Magnify
5	18	4700	0 92	0 08	Mackerel	38	8	950	24 20	1 75	Magnolia
6	17	4500	1 15	0 10	Mackle	40	8	900	29 40	2 25	Magpie
7	17	4200	1 40	0 12	Macula	42	8	870	34 65	2 75	Mahogany
8	16	4000	1 68	0 14	Madam	44	8	840	42 00	3 20	Maid
9	15	3750	1 95	0 16	Madcap	46	7	800	49 25	3 75	Mail
10	14	3500	2 25	0 18	Madder	48	6	760	57 75	4 50	Main
12	14	3200	2 85	0 20	Madeffy	50	6	725	65 65	4 75	Main
14	14	2700	3 50	0 24	Madeira	52	6	700	76 00	6 30	Maintain
16	13	2300	4 40	0 30	Madman	54	6	675	89 75	7 50	Maize
18	13	2000	5 30	0 45	Madonna	56	5	650	107 50	9 00	Majesty
22	12	1850	7 50	0 48	Madrigal	58	5	625	126 50	10 50	Major
24	11	1475	8 60	0 52	Maggot	60	5	600	130 00	11 00	Make
26	11	1350	10 50	0 60	Magi	62	5	575	169 75	12 00	Malady
28	11	1275	12 00	0 70	Magic	64	5	550	180 00	13 00	Male
30	10	1200	14 00	0 80	Magician	66	5	525	202 00	14 00	Mance
32	10	1125	16 50	1 00	Magnesia	68	4	500	226 00	15 00	Malign
34	10	1060	19 50	1 20	Magnetism	70	4	475	252 00	16 00	Mall
						72	4	450	284 00	17 00	Mallet

In ordering saws be careful to give diameter, gauge, size of eye, style of tooth, (and of mill saws, speed, and whether right or left hand). It is absolutely necessary to have these particulars.

Shingle Saws.

(Taper ground to 14 gauge at Teeth.)

DIAMETER	34 in.	36 in.	38 in.	40 in.	42 in.	44 in.	46 in.
PRICE	\$25.00	\$30.00	\$34.00	\$40.00	\$50.00	\$61.00	\$75.00
CODE	Mannsey	Malt	Mamma	Mammon	Mammoth	Mau	Manacle

The above prices include drilling for the flange holes. Send templet of flange.

Teething
Champion
"
Laurel

I have the well-known Saws guaranteed to be the best, if they are not. Give extra for the Saws brazed

Width	Price per foot
In.	\$
1/4	0 10
1/2	0 10
3/4	0 11
1	0 12
Brazing	0 25
14 ft. 4 in. long	
15 ft. 8 in. "	
17 ft. 10 in. "	

Silver Solder, per lb. 5 in. 3-Square File

These Files preserve the round

Drag Saws

Teething	Width at Butt	Width at Point	Usual Length	Performing	Price per foot	Code (Each)
Champion	10 in.	8 in.	6 ft. 6 in.	Single	\$1 50	Manage
"	12	10	6 ft. 6 in.	"	1 75	Mandamus
"	12	10	6 ft. 6 in.	Double	1 85	Mandarin
.....	10,	8	6 ft. 6 in.	Single	1 75	Mandate

FRENCH BAND SAW BLADES

I have the exclusive agency, and import direct from the makers, in France, these well-known Saws. I purchase in long lengths, and braze to order. Every saw is guaranteed to the satisfaction of the purchaser. Customers can do their own brazing, if they so choose. Prices are for unbrazed Saws. Brazing extra, as per list. Give extreme lengths in ordering, and be particular to say whether you want the Saws brazed or unbrazed.

PRICE AND CODE

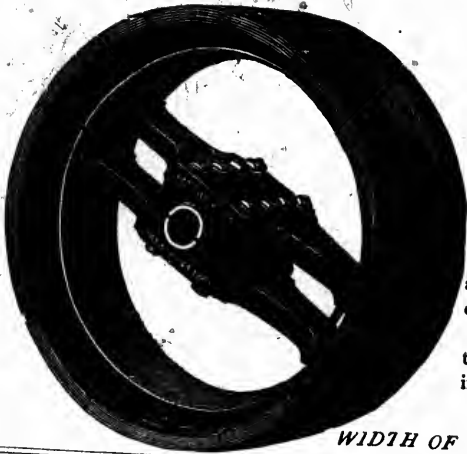
Width	Price per foot	Code	Width	Price per foot	Code	Width	Price per foot	Code
In.	\$		In.	\$		In.	\$	
$\frac{1}{2}$	0 10	Mandible	$\frac{1}{2}$	0 14	Manhood	1	0 22	Manner
$\frac{3}{8}$	0 10 $\frac{1}{2}$	Mandril	$\frac{3}{8}$	0 16	Mania	$1\frac{1}{2}$	0 26	Manor
$\frac{1}{4}$	0 11	Mane	$\frac{1}{2}$	0 18	Maniac	$1\frac{1}{2}$	0 30	Manse
$\frac{3}{8}$	0 12	Mange	$\frac{3}{8}$	0 20	Manifest	$1\frac{1}{2}$	0 40	Mansion
Brazing	0 25	Add "S"	Brazing	0 40	Add "S"	Brazing	0 60	Add "S"
14 ft. 4 in. long		Manger	18 ft. 0 in. long		Maniple	19 ft. 10 in. long		Mantle
15 ft. 8 in. "		Mangle	18 ft. 6 in. "		Mankind	21 ft. 3 in. "		Mantlet
17 ft. 10 in. "		Mango	18 ft. 8 in. "		Manlike	25 ft. 6 in. "		Manual

BAND SAW SUPPLIES

Silver Solder, per oz.	\$2 00	Manure	Brazing Tongs, each.	\$1 50	Maple
5-in. 3-Square Files, per doz	2 75	Manx	Filing Clamps "	4 00	Mar
8 " " " "	3 00	Many	Brazing " "	3 50	Marble
7 " " " "	3 50	Map	Band Saw Sets "	12 00	March
.....			Wheels & Board "	10 00	Mare

* These Files are made specially for Filing the French Band Saws, so as to preserve the round corner of the tothing.

SOHO MACHINE WORKS, TORONTO



Dodge Wood-Split Pulley

Give diameter, face and bottom width and state whether straight or crowned face, when ordering. For odd inches of face divide the difference between the even inches, lower and higher.

WIDTH OF FACE—INCHES

Diam.	3	4	5	6	7	8	9	10
12	\$2 80	2 95	3 20	3 55	3 70	3 85	4 08	4 30
13	2 90	3 10	3 40	3 75	4 00	4 25	4 53	4 80
14	3 00	3 25	3 65	4 10	4 40	4 70	5 02	5 35
15	3 10	3 45	3 85	4 35	4 75	5 10	5 48	5 85
16	3 30	3 65	4 05	4 60	5 05	5 50	5 90	6 30
17	3 50	3 85	4 25	4 85	5 35	5 85	6 30	6 70
18	3 70	4 05	4 55	5 10	5 65	6 20	6 65	7 10
19		4 25	4 80	5 60	6 13	6 75	7 15	7 50
20		4 45	5 20	6 00	6 60	7 15	7 60	8 00
21		4 70	5 60	6 40	6 95	7 50	8 10	8 65
22		4 95	5 90	6 85	7 45	8 00	8 70	9 40
23		5 20	6 15	7 05	7 70	8 40	9 20	9 95
24		5 40	6 35	7 30	8 05	8 80	9 65	10 45
25		5 80	6 65	7 60	8 40	9 20	9 85	10 90
26		6 35	7 00	7 95	8 80	9 60	10 05	11 40
27		6 78	7 40	8 27	9 13	9 95	10 63	11 75
28		7 20	7 80	8 60	9 45	10 30	11 20	12 10

Diam.	12	14	15	16	18	20	22	24
12	\$5 10							
13	5 60							
14	6 00	6 60						
15	6 50	7 20						
16	7 00	7 70	8 35					
17	7 50	8 25	9 05					
18	8 00	9 00	9 80	10 70				
19	8 60	9 80	10 70	11 70				
20	9 50	11 00	11 80	12 60				
21	10 40	12 00	12 85	13 70				
22	11 20	13 00	13 60	14 20				
23	12 00	14 00	15 10	16 20				
24	12 70	15 10	16 30	17 50				
25	13 40	16 25	17 70	19 10				
26	14 20	17 50	19 15	20 80	24 10	31 50	35 50	40 00
27	14 72	18 25	20 17	21 90	25 50	32 25	36 25	40 75
28	15 25	19 00	21 00	23 00	26 90	33 00	37 00	41 50

For odd inches, lower

Diam.	4
29	\$7 00
30	8 00
32	8 80
34	9 60
36	10 60
38	13 00
40	14 00
44	17 00
48	21 00
50	.....
54	.....
56	.....
60	.....
66	.....
72	.....
84	.....
96	.....

Diam.	15
29	\$22 10
30	23 20
32	25 20
34	27 20
36	29 40
38	31 50
40	33 60
44	38 40
48	43 00
50	47 00
54	52 50
56	56 75
60	65 25
66	75 50
72	85 00
84	124 00
96	155 00

ge
Wood-Split
Pulley

Dodge Wood-Split Pulleys

For odd inches of diameter and face, divide the difference between the even inches, lower and higher.

FACE—INCHES

iameter, face and bo
whether straight
face, when orderin
inches of face divid
nce between the ev
ver and higher.

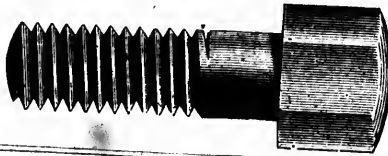
INCHES

9		10
4 08	4 30	
4 53	4 80	
5 02	5 35	
5 48	5 85	
5 90	6 30	
6 30	6 70	
6 65	7 10	
7 15	7 50	
7 60	8 00	
8 10	8 65	
8 70	9 40	
9 20	9 95	
9 65	10 45	
9 85	10 90	
10 05	11 40	
10 63	11 75	
11 20	12 10	
22		24
35 50	40 00	
36 25	40 75	
37 00	41 50	

Diam.	4	6	7	8	9	10	12	14
29	\$7 60	9 00	9 95	10 90	11 80	12 67	15 87	20 00
30	8 00	9 40	10 45	11 50	12 40	13 25	16 50	21 00
32	8 80	10 30	11 60	12 90	13 95	15 00	17 90	22 75
34	9 60	11 50	13 00	14 50	15 75	17 00	20 00	24 50
36	10 60	13 00	14 50	16 00	17 55	19 10	22 50	28 50
38	13 00	14 50	16 05	17 60	19 15	20 70	24 75	28 50
40	14 00	16 00	17 50	19 00	20 75	22 50	26 75	31 00
44	17 00	19 50	21 65	23 75	25 65	27 50	31 50	36 00
48	21 00	24 50	26 25	28 00	30 50	32 50	36 00	41 00
50	.....	27 25	29 50	31 50	33 50	35 50	39 00	44 00
54	.....	33 50	35 50	37 50	39 25	41 00	45 00	49 50
56	.....	37 00	38 75	40 50	42 50	44 50	48 50	53 50
60	.....	42 50	44 50	47 00	49 25	51 50	56 00	62 00
66	.....	47 00	49 25	51 50	53 75	57 00	63 50	71 50
72	.....	51 50	53 75	57 00	60 00	64 00	71 50	80 00
84	.....	.....	.....	95 60	98 00	102 00	110 00	119 00
96	.....	.....	.....	124 00	127 00	131 00	140 00	150 00

Diam.	15	16	18	20	22	24	25
29	\$22 10	24 20	28 45	33 75	37 62	41 87	45 00
30	23 20	25 40	30 00	34 50	38 25	42 25	45 50
32	25 25	27 75	32 25	36 25	40 25	44 25	46 50
34	27 25	30 00	34 50	38 75	42 75	46 75	49 60
36	29 45	32 40	37 00	41 50	45 50	49 50	53 00
38	31 50	34 50	39 25	45 00	49 00	54 00	58 00
40	33 65	36 25	41 50	48 00	52 50	58 00	63 00
44	38 40	40 75	46 00	54 00	59 00	67 00	73 00
48	43 00	45 00	50 00	62 00	71 50	80 00	84 00
50	47 00	50 00	56 00	65 00	74 50	85 50	90 00
54	52 50	55 50	64 50	73 50	83 00	92 50	98 00
56	56 75	60 00	69 50	84 00	93 25	102 50	108 00
60	65 25	68 50	78 00	91 00	101 00	111 00	116 00
66	75 50	80 00	89 00	103 00	115 00	130 00	137 50
72	85 00	90 00	100 00	115 00	131 00	145 00	155 00
84	124 00	129 00	139 00	154 00	170 00	193 00	205 00
96	155 00	160 00	170 00	192 00	212 00	237 00	250 00

Hexagon Head Cap Screws.



Diameter of Head.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Length of Head.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Diameter of Screw.....	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$
Length under Head to Point.	$1\frac{1}{4}$	\$3 00	3 25	3 75	4 40	5 50	7 00	.....	.....	.....	.....
	$1\frac{1}{2}$	3 25	3 50	4 00	4 70	5 70	7 00	9 50	.....	.....	.....
	$1\frac{3}{4}$	3 50	3 75	4 25	5 00	6 00	7 50	9 50	12 20	.....	.....
	2	3 75	4 00	4 50	5 30	6 30	8 00	10 00	12 20	16 00	.....
	$2\frac{1}{4}$	4 00	4 25	4 75	5 60	6 60	8 50	10 60	12 80	16 00	.....
	$2\frac{1}{2}$	4 25	4 60	5 05	5 95	7 00	9 10	11 20	13 40	17 20	.....
	$2\frac{3}{4}$	.....	5 00	5 40	6 35	7 50	9 70	11 90	14 10	17 90	.....
	3	.....	.....	5 80	6 80	8 00	10 40	12 70	14 90	18 80	.....
	.....	.....	.....	.....	7 30	8 60	11 20	13 60	15 90	20 00	.....
	.....	.....	.....	.....	.....	9 30	12 10	14 70	17 00	21 80	.....
Threads to inch.....	20	18	16	14	12	12	11	10	9	.....	.....
Add for each $\frac{1}{4}$ inch.....	\$0 30	0 40	0 50	0 60	0 80	1 00	1 30	1 60	2 00	.....	.....

Square Head Cap Screws.

Dia. of Head.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	
Length of Head.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	
Diam. of Screw.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	
Length under Head to point.	$1\frac{1}{4}$	\$2 40	2 75	3 20	3 80	4 40	5 75	per h	undred	.....	.....
	$1\frac{1}{2}$	2 60	2 95	3 40	4 00	4 70	5 75	7 70	10 50	.....	.....
	$1\frac{3}{4}$	2 75	3 10	3 65	4 20	4 95	6 05	7 70	10 50	.....	.....
	2	2 90	3 30	3 85	4 45	5 25	6 35	8 25	10 50	14 00	.....
	$2\frac{1}{4}$	3 05	3 50	4 10	4 70	5 55	6 65	8 80	11 10	14 80	18 00
	$2\frac{1}{2}$	3 25	3 70	4 35	4 95	5 90	7 05	9 40	11 80	15 70	19 00
	$2\frac{3}{4}$	.....	4 00	4 65	5 25	6 30	7 55	10 10	12 60	16 70	20 20
	3	.....	.....	5 00	5 60	6 75	8 15	10 90	13 50	17 80	21 50
	.....	.....	.....	.....	6 00	7 25	8 85	11 80	14 60	19 10	23 10
	.....	.....	.....	.....	.....	7 80	9 65	12 80	15 90	20 60	25 00
Threads to inch.....	20	18	16	14	12	12	11	10	9	8	
Add for each $\frac{1}{4}$ inch..	\$0 25	0 35	0 45	0 55	0 65	0 90	1 20	1 50	1 80	2 30	

All Cap Screws with **Over Size** heads, take the list of regular screws with the same size heads.

The list for **Steel Cap Screws** is double the list for Iron Cap Screws, subject to same discounts.

IRON

SET

SCREWS

Length under Head to Point.

$\frac{3}{4}$

1

$1\frac{1}{4}$

$1\frac{1}{2}$

2

$2\frac{1}{4}$

$2\frac{1}{2}$

$2\frac{3}{4}$

3

Threads.....

Add for each }
 $\frac{1}{4}$ inch..... }

POINTS:—
 The above
 STEEL S

All ar

Diameter of Screw.

Length under Head to Point

$\frac{3}{4}$

1

$1\frac{1}{4}$

$1\frac{1}{2}$

2

$2\frac{1}{4}$

$2\frac{1}{2}$

$2\frac{3}{4}$

3

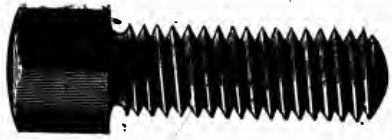
Diam. of Head..

Length of Head

Threads to Inch

ews.

**IRON
SET
SCREWS**



(Case
Hardened)

1/8	1	1 1/4
1/4	1 1/8	1 1/2
3/8	3/4	7/8
1/2	1	1 1/8
5/8	1 1/4	1 3/8
1	1 1/2	1 3/4
1 1/8	1 3/4	2
1 1/4	2	2 1/8
1 1/2	2 1/4	2 1/2
1 3/4	2 3/4	3
2	3	3 1/2
2 1/4	3 1/4	3 3/4
2 1/2	3 1/2	4
2 3/4	3 3/4	4 1/4
3	4	4 1/2

Length under Head to Point.	Diameter of Screw, and Price per 100.										
	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
1 1/4	2 00	2 20	2 50	2 90	3 40	4 25	5 00	.....	.....	.....	.....
1 1/2	2 15	2 35	2 65	3 10	3 60	4 25	5 00	7 00	.....	.....	.....
2	2 50	2 50	2 80	3 30	3 80	4 50	5 25	7 00	11 30	.....	.....
2 1/4	2 45	2 65	2 95	3 50	4 00	4 75	5 50	7 50	11 30	14 90	.....
2 1/2	2 60	2 80	3 10	3 70	4 20	5 00	5 75	8 00	12 60	15 90	.....
2 3/4	2 80	3 00	3 30	3 95	4 45	5 30	6 05	8 60	12 90	17 00	.....
3	.....	3 25	3 55	4 25	4 75	5 65	6 40	9 30	13 80	18 40	.....
.....	.....	.....	3 85	4 60	5 10	6 05	6 80	10 00	14 80	19 80	.....
.....	.....	.....	.....	5 00	5 50	6 50	7 25	10 80	15 90	21 40	.....
.....	.....	.....	.....	.....	5 95	7 00	7 75	11 70	17 10	23 00	.....
Threads.....	20	18	16	14	12	12	11	10	9	8	.....
Add for each 1/4 inch... }	0 25	0 30	0 35	0 45	0 50	0 55	0 60	1 00	1 30	1 70	.....

POINTS :- Cup, Oval, Flat, Conical, Dog.
The above list applies for Headless Set Screws and Hanger Screws without Nuts.
STEEL SET SCREWS are double the above list and same discount.



Cap
Screws

ROUND, COUNTERSUNK AND BUTTON HEADS
All are milled from solid bars, are uniform in size, and nicely finished.

ROUND HEAD CAP SCREWS

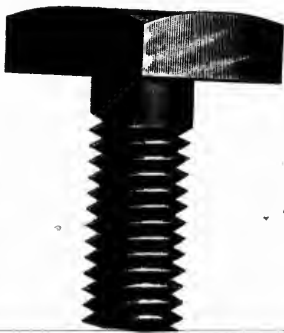
1 1/8	1 1/4
1 1/2	1 3/4
2	2 1/4
2 1/2	2 3/4
3	3 1/4
3 1/2	3 3/4
4	4 1/4
4 1/2	4 3/4
5	5 1/4
5 1/2	5 3/4
6	6 1/4
6 1/2	6 3/4
7	7 1/4
7 1/2	7 3/4
8	8 1/4
8 1/2	8 3/4
9	9 1/4
9 1/2	9 3/4
10	10 1/4
10 1/2	10 3/4
11	11 1/4
11 1/2	11 3/4
12	12 1/4
12 1/2	12 3/4
13	13 1/4
13 1/2	13 3/4
14	14 1/4
14 1/2	14 3/4
15	15 1/4
15 1/2	15 3/4
16	16 1/4
16 1/2	16 3/4
17	17 1/4
17 1/2	17 3/4
18	18 1/4
18 1/2	18 3/4
19	19 1/4
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161	161 1/4
161 1/2	161 3/4
162	162 1/4
162 1/2	162 3/4
163	163 1/4
163	

Stud Bolts



The Tap end of Stud Bolt fits more tightly than nut end.
 Give length of parts when ordering.
 The List for *Steel Studs* is double that for Iron Studs, subject to same discounts.

Diameter	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
	Length of Stud							
$1\frac{1}{4}$	\$3 35	4 05	4 40	5 10	.....	.....	.....	.....
$1\frac{1}{2}$	3 50	4 20	4 60	5 30	6 10	.....	.....	.....
$1\frac{3}{4}$	3 65	4 35	4 80	5 50	6 30	.....	.....	.....
2	3 80	4 50	5 00	5 70	6 50	8 80	.....	.....
$2\frac{1}{4}$	3 95	4 65	5 20	5 90	6 70	9 10	.....	.....
$2\frac{1}{2}$	4 10	4 80	5 40	6 10	6 90	9 40	12 00	.....
$2\frac{3}{4}$	4 25	4 95	5 60	6 30	7 10	9 70	12 50	.....
3	4 40	5 10	5 80	6 50	7 30	10 00	13 00	17 00
$3\frac{1}{4}$	.....	5 25	6 00	6 70	7 50	10 30	13 50	17 75
$3\frac{1}{2}$	.....	5 40	6 20	6 90	7 70	10 60	14 00	18 50
$3\frac{3}{4}$	.....	.....	6 40	7 10	7 90	10 90	14 50	19 25
4	.....	.....	6 60	7 30	8 10	11 20	15 00	20 00
$4\frac{1}{2}$	.....	.....	.....	7 50	8 40	11 65	15 75	21 00
5	.....	.....	.....	7 70	8 70	12 10	16 50	22 00
$5\frac{1}{2}$	.....	.....	.....	.....	9 00	12 55	17 25	23 00
6	.....	.....	.....	.....	9 30	13 00	18 00	24 00
Add for each $\frac{1}{2}$ in.	25	25	30	30	40	55	90	1 25
Threads to inch.	16	14	12	12	11	10	9	8



Planer Head Bolts

(Prices on Application)

Slotted Head Bolts, with Nuts

$\frac{1}{2}$ x $1\frac{1}{2}$ inch, with Faced Nuts and Milled Heads—Cut from solid "Lowmoor."
 Each \$0 30
 Code Margin



Short diameter of Nut.

1
2
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For Stud.

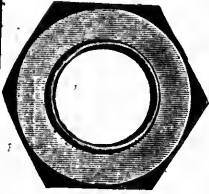
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SEMI-FINISHED COLD-PUNCHED

HEXAGON NUTS.

Tapped and Bottom Faced.

These nuts are symmetrical in form, with pressed chamfer, and very smooth surface.



to same discounts.

	7/8	1
80		
10		
40	12 00	
70	12 50	
00	13 00	17 00
30	13 50	17 75
90	14 00	18 50
00	14 50	19 25
20	15 00	20 00
55	15 75	21 00
00	16 50	22 00
55	17 25	23 00
00	18 00	24 00

Short diameter of Nut.	Thickness.	Size of Bolt.	Threads to inch.	Price per Hundred.
1 1/2	1/4	1 1/2	20	\$ 2 00
1 3/4	3/8	1 3/4	18	2 50
1 7/8	1/2	1 7/8	16	3 25
2	5/8	2	14	3 75
2 1/8	3/4	2 1/8	12	4 00
2 1/4	7/8	2 1/4	12	5 00
2 3/8	1	2 3/8	11	5 50
2 1/2	1 1/8	2 1/2	10	7 50
2 5/8	1 1/4	2 5/8	9	10 00
3	1 1/2	3	8	13 50
	1 3/4	3	7	17 00
	1 7/8	3	7	24 00

90	1 25
9	8



FINISHED HEXAGON NUTS.

These nuts are case hardened unless otherwise ordered.

Bolts

with Nuts

filled
oor." \$0 30

Margin

For Stud.	Short diameter of Nut.	Thickness of Nut.	No. of Threads to inch.	Price per Hundred.
3/8	3/8	3/8	16	\$ 8 00
1/2	1/2	1/2	14	9 00
5/8	5/8	5/8	12 or 13	10 00
3/4	3/4	3/4	12	12 00
7/8	7/8	7/8	11	15 00
1	1	1	10	18 00
1 1/8	1 1/8	1 1/8	9	22 00
1 1/4	1 1/4	1 1/4	8	30 00
1 3/8	1 3/8	1 3/8	7	35 00
1 1/2	1 1/2	1 1/2	7	45 00

Machine Bolts

PRICE PER HUNDRED

Length	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
1 1/2 inches	\$2 80	3 20	3 60	4 60	5 00	7 20	10 50	14 90	22 00
2	2 90	3 35	3 80	4 90	5 30	7 70	11 10	15 80	23 10
2 1/2	3 00	3 50	4 00	5 20	5 60	8 20	11 70	16 60	24 20
3	3 10	3 65	4 20	5 50	5 90	8 70	12 30	17 50	25 30
3 1/2	3 20	3 80	4 40	5 80	6 20	9 20	12 90	18 30	26 40
4	3 30	3 95	4 60	6 10	6 50	9 70	13 50	19 20	27 50
4 1/2	3 40	4 10	4 80	6 40	6 80	10 20	14 10	20 00	28 60
5	3 50	4 25	5 00	6 70	7 10	10 70	14 70	20 90	29 70
5 1/2	3 60	4 40	5 20	7 00	7 40	11 20	15 30	21 70	30 80
6	3 70	4 55	5 40	7 30	7 70	11 70	15 90	22 60	31 90
6 1/2	3 80	4 70	5 60	7 60	8 00	12 20	16 50	23 40	33 00
7	3 90	4 85	5 80	7 90	8 30	12 70	17 10	24 30	34 10
7 1/2	4 00	5 00	6 00	8 20	8 60	13 20	17 70	25 19	35 20
8	4 10	5 15	6 20	8 50	8 90	13 70	18 30	26 00	36 30
9	.....	.....	6 60	9 10	9 50	14 75	19 50	27 70	38 50
10	.....	.....	7 00	9 70	10 10	15 75	20 70	29 40	40 70
11	.....	.....	7 40	10 30	10 70	16 75	21 90	31 10	42 90
12	.....	.....	7 80	10 90	11 30	17 75	23 10	32 80	45 10
13	.....	.....	.....	.....	11 90	18 75	24 30	34 50	47 30
14	.....	.....	.....	.....	12 50	19 75	25 50	36 20	49 50
15	.....	.....	.....	.....	13 10	20 75	26 70	37 90	51 70
16	.....	.....	.....	.....	13 70	21 75	27 90	39 60	53 90
17	.....	.....	.....	.....	14 30	22 75	29 10	41 30	56 10
18	.....	.....	.....	.....	14 90	23 75	30 30	43 00	58 30
19	.....	.....	.....	.....	15 50	24 75	31 50	44 70	60 50
20	.....	.....	.....	.....	16 10	25 75	32 70	46 40	62 70

Bolts with Hexagon Nuts, 10 per cent. extra.

If both Hexagon Heads and Hexagon Nuts, 20 per cent. extra.

FLAT HEAD STOVE BOLTS

Length	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$
1 inch	\$0 65	1 05	2 20
1 1/2	0 70	1 10	2 20
1 3/4	0 75	1 15	2 20
2	0 80	1 20	2 20
2 1/2	0 85	1 25	2 20
2 3/4	0 90	1 30	2 20
2 7/8	0 95	1 35	2 30
2 3/2	1 00	1 40	2 40
3	1 05	1 45	2 50
.....	1 10	1 50	2 60

Length	In.
1 to 1 1/2	1 1/2
2	2
2 1/2	2 1/2
2 3/4	2 3/4
3	3
3 1/2	3 1/2
3 3/4	3 3/4
4	4
4 1/2	4 1/2
4 3/4	4 3/4
5	5
5 1/2	5 1/2
5 3/4	5 3/4
6	6
6 1/2	6 1/2
6 3/4	6 3/4
7	7
7 1/2	7 1/2
8	8
8 1/2	8 1/2
9	9
9 1/2	9 1/2
10	10
10 1/2	10 1/2
11	11
11 1/2	11 1/2
12	12
12 1/2	12 1/2
13	13
13 1/2	13 1/2
14	14
14 1/2	14 1/2
15	15
15 1/2	15 1/2
16	16

Common Carriage Bolts

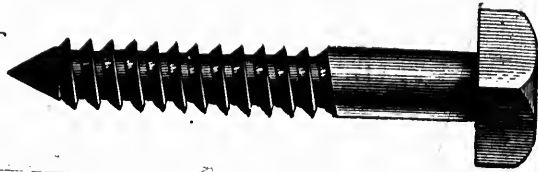
PRICE PER HUNDRED

	3/8	1
14	90	22 00
15	80	23 10
16	60	24 20
17	50	25 30
18	30	26 40
19	20	27 50
20	00	28 60
20	90	29 70
21	70	30 80
22	60	31 90
23	40	33 00
24	30	34 10
25	19	35 20
26	00	36 30
27	70	38 50
29	40	40 70
31	10	42 90
32	80	45 10
34	50	47 30
36	20	49 50
37	00	51 70
39	60	53 90
41	30	56 10
43	00	58 30
44	70	60 50
46	40	62 70

Length	3/8 and 1/2	5/8	3/4	7/8	1	1 1/8 and 1 1/4	3/4
In.	\$	\$	\$	\$	\$	\$	\$
1 to 1 1/2	1 35	1 60	2 30	3 10	3 80	7 50	
1 1/2	1 40	1 68	2 30	3 10	3 80	7 50	
2	1 45	1 75	2 30	3 10	3 80	7 50	
2 1/4	1 50	1 83	2 40	3 10	3 80	7 50	
2 1/2	1 55	1 90	2 50	3 23	3 96	7 50	
2 3/4	1 60	1 98	2 50	3 35	4 12	7 50	
3	1 65	2 05	2 60	3 48	4 28	7 50	
3 1/4	1 70	2 13	2 70	3 60	4 44	7 50	13 50
3 1/2	1 75	2 20	2 80	3 73	4 60	7 75	13 85
3 3/4	1 80	2 28	2 90	3 85	4 76	8 00	14 20
4	1 85	2 35	3 00	3 98	4 92	8 25	14 55
4 1/4	1 90	2 43	3 10	4 10	5 08	8 50	14 90
4 1/2	1 95	2 50	3 20	4 23	5 24	8 75	15 25
4 3/4	2 00	2 58	3 30	4 35	5 40	9 00	15 60
5	2 05	2 65	3 40	4 48	5 56	9 25	15 95
5 1/4	2 10	2 73	3 50	4 60	5 72	9 50	16 30
5 1/2	2 15	2 80	3 60	4 73	5 88	9 75	16 65
5 3/4	2 20	2 88	3 70	4 85	6 04	10 00	17 00
6	2 25	2 95	3 80	4 98	6 20	10 25	17 35
6 1/4	2 30	3 03	3 90	5 10	6 36	10 50	17 70
6 1/2	2 35	3 10	4 00	5 23	6 52	10 75	18 05
6 3/4	2 40	3 17	4 10	5 35	6 68	11 00	18 40
7	2 45	3 25	4 20	5 48	6 84	11 25	18 75
7 1/4	2 50	3 32	4 30	5 60	7 00	11 50	19 10
7 1/2	2 55	3 40	4 40	5 73	7 16	12 00	19 45
8	2 60	3 48	4 50	5 85	7 32	12 25	19 80
8 1/4	2 65	3 55	4 60	6 10	7 48	12 50	20 15
8 1/2	2 70	3 62	4 70	6 23	7 64	13 00	20 50
8 3/4	2 75	3 70	4 80	6 35	7 80	13 25	20 85
9	2 80	3 78	4 90	6 48	7 96	13 50	21 20
9 1/4	2 85	3 85	5 00	6 60	8 12	13 75	21 55
9 1/2	2 90	3 92	5 10	6 73	8 28	14 00	21 90
10	3 00	4 00	5 20	6 85	8 44	14 25	22 25
10 1/4	3 05	4 07	5 30	6 98	8 60	14 50	22 60
10 1/2	3 10	4 14	5 40	7 10	8 76	14 75	22 95
10 3/4	3 15	4 21	5 50	7 23	8 92	15 00	23 30
11	3 20	4 28	5 60	7 35	9 08	15 25	23 65
11 1/4	3 25	4 35	5 70	7 48	9 24	15 50	24 00
11 1/2	3 30	4 42	5 80	7 60	9 40	15 75	24 35
11 3/4	3 35	4 49	5 90	7 73	9 56	16 00	24 70
12	3 40	4 56	6 00	7 85	9 72	16 25	25 05
12 1/4	3 45	4 63	6 10	8 10	10 20	16 50	25 40
12 1/2	3 50	4 70	6 20	8 23	10 36	17 00	25 75
12 3/4	3 55	4 77	6 30	8 35	10 52	17 25	26 10
13	3 60	4 84	6 40	8 48	10 68	17 50	26 45
13 1/4	3 65	4 91	6 50	8 60	10 84	17 75	26 80
13 1/2	3 70	4 98	6 60	8 73	11 00	18 00	27 15
13 3/4	3 75	5 05	6 70	8 85	11 16	18 25	27 50
14	3 80	5 12	6 80	8 98	11 32	18 50	27 85
14 1/4	3 85	5 19	6 90	9 10	11 48	18 75	28 20
14 1/2	3 90	5 26	7 00	9 23	11 64	19 00	28 55
14 3/4	3 95	5 33	7 10	9 35	11 80	19 25	28 90
15	4 00	5 40	7 20	9 48	11 96	19 50	29 25
15 1/4	4 05	5 47	7 30	9 60	12 12	19 75	29 60
15 1/2	4 10	5 54	7 40	9 73	12 28	20 00	30 00
15 3/4	4 15	5 61	7 50	9 85	12 44	20 25	30 35
16	4 20	5 68	7 60	10 10	12 60	20 50	30 70

SOHO MACHINE WORKS, TORONTO

**GIMLET
POINT
COACH
SCREWS**



Length.	$\frac{1}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$ and $\frac{1}{8}$	$\frac{5}{8}$	$\frac{3}{4}$	1
1 $\frac{1}{2}$	\$2.70	3 10	4 00	4 30	.per hundred	.....	.....	.....
2	2 90	3 30	4 25	4 60	6 50	.....	.....	.....
2 $\frac{1}{2}$	3 10	3 50	4 50	4 90	6 90	10 00	.....	.....
3	3 30	3 70	4 75	5 20	7 30	10 50	.....	.....
3 $\frac{1}{2}$	3 50	3 90	5 00	5 50	7 70	11 00	15 00	.....
4	3 70	4 10	5 25	5 80	8 10	11 50	15 75	21 60
4 $\frac{1}{2}$	3 90	4 30	5 50	6 10	8 50	12 00	16 60	22 50
5	4 10	4 50	5 75	6 40	8 90	12 50	17 25	23 40
5 $\frac{1}{2}$	4 30	4 70	6 00	6 70	9 30	13 00	18 00	24 25
6	4 50	4 90	6 25	7 00	9 70	13 50	18 75	25 25
7	.....	.....	6 75	7 60	10 50	14 50	19 50	26 25
8	.....	.....	7 25	8 20	11 30	15 50	21 00	28 25
9	.....	.....	7 75	8 80	12 10	16 50	22 50	30 25
10	.....	.....	.....	9 40	12 90	17 50	24 00	32 25
11	.....	.....	.....	10 00	13 70	18 50	25 50	34 25
12	.....	.....	.....	10 60	14 50	19 50	27 00	36 25
							28 50	38 25

SQUARE AND HEXAGON NUTS
(Hot Pressed. U. S. Standard Sizes.)

Diameter	Thick	Hole	Bolt	Price	
				Square	Hexagon
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	cents	cents
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	13	20
$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	12	18
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	10.5	14
$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	10	13
$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	9	11.2
$\frac{7}{8}$	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{7}{8}$	9	11.2
1	1	1	1	8.7	10.2
1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	8.4	9.9
1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	8.4	9.9
1 $\frac{3}{8}$	1 $\frac{3}{8}$	1 $\frac{3}{8}$	1 $\frac{3}{8}$	8.2	9.7
1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	8.2	9.7
1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	8.4	9.9
2	2	2	2	8.4	9.9
2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	8.4	9.9
2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	8.8	10.3
2 $\frac{3}{8}$	2 $\frac{3}{8}$	2 $\frac{3}{8}$	2 $\frac{3}{8}$	8.8	10.3
2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	9.3	10.8
3	3	3	3	9.3	10.8
3 $\frac{1}{8}$	3 $\frac{1}{8}$	3 $\frac{1}{8}$	3 $\frac{1}{8}$	9.5	11
3 $\frac{1}{4}$	3 $\frac{1}{4}$	3 $\frac{1}{4}$	3 $\frac{1}{4}$	10	11.5
				10	11.5

The "

24 in.

- \$810 Nail
- 720 Nankee
- 660 Nap
- 600 Nape
- 570 Naphtha
- 420 Napkin
- 720 Nappy
- 180 Narcotic

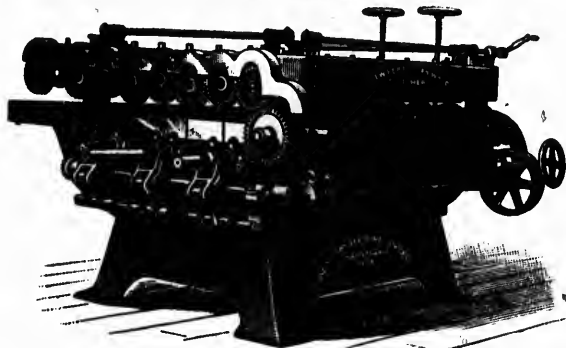
Article

- propeller Wheels.
- " " "
- " " "
- Edson Pumps...
- Nagara Pumps...
- Safety Valves...
- " " "
- " " "
- " " "
- " " "
- Steam Pump
- page 29. Anc
- prices, giving pa

SO

The "New Perfection" Wood Polisher

(Circulars on application)



No. 1 MACHINE

PRICE LIST AND SPECIFICATIONS

	24 in.	30 in.	36 in.	40 in.	42 in.	48 in.
1	\$810 Nail	900 Nard	.....	.....	1110 Navy	1320 Neat
2	720 Nankeen	810 Narrow	900 Natron	.....	1020 Neap	1200 Neb
3	660 Nap	780 Nasal	.....	900 Natural	.....	1020 Nebular
4	600 Nape	690 Nascent	780 Natty	804 Naught	.....	900 Neck
5	570 Naphtha	630 Natal	.....	750 Nausea	.....	.....
6	420 Napkin	480 Natant	.....	600 Naval	.....	.....
7	720 Nappy	840 Nation	.....	960 Nave	.....	.....
8	180 Narcotic	.....	.....	.....	.....	300 Necktie

MARINE SUPPLIES

Circulars on application

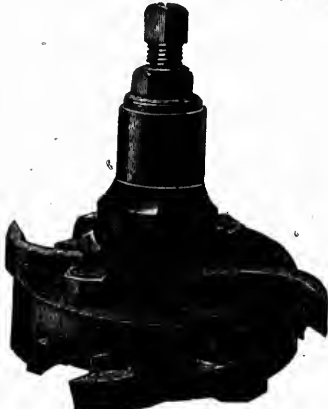
Article	Size		Price	Code
Propeller Wheels.....	24 in. to 40 in.	Per 1 in. Face	\$0 50	Margrave
“ “ “ “	42 to 60	“ “	0 75	Marigold
“ “ “ “	63 to 90	“ “	1 00	Marital
Edson Pumps.....	3 in. Suction Pipe	7½ Diaphragm	24 00	Marjoram
Agara Pumps.....	3 “ “	10 “	30 00	Mark
Safety Valves.....	“ Lock-up” Pop.	2 in. Diam.	30 00	Market
“ “ “ “	“ “ “ “	2½ “	40 00	Marl
“ “ “ “	“ “ “ “	3 “	50 00	Marline
“ “ “ “	“ “ “ “	3½ “	60 00	Marmot
“ “ “ “	“ “ “ “	4 “	75 00	Maroon

Steam Pumps, see page 44. Steam Winches, see page 50. Hoisting Engines, page 29. Anchors, Chain, Rope, Capstans, and other Marine Supplies—write prices, giving particulars of what you are in need of.

SOHO MACHINE WORKS, TORONTO

Shimer Matching Heads

(Catalogues on Application)



"TONGUE" HEAD.



"GROOVE" HEAD.

No.	Style of Heads.	Tongue and Groove	Dimens.	Price per set.	Code.	Extra Knives per set.		Code.
						No.	Cost	
1	Plain Matching	in.	to order					
2	"	to 1 1/2	"	\$30 00	Mast	8	\$16 00	Maudlin
3	Wainscoting Matching	" 2	"	33 00	Master	8	16 00	Maugre
4	Novelty Siding	" 1 1/2	"	32 00	Mastic	8	18 00	Maul
5	Ship Lap	" 1 1/2	"	32 00	Mastiff	8	18 00	Maw
6	Double "	" 1 1/2	"	32 00	Mastodon	8	18 00	Maxim
7	Double Ceiling	1 " 1 1/2	"	33 00	Mat	8	18 00	May
8	O. G. Battens	1 " 1 1/2	"	33 00	Match	8	18 00	Mayor
9	Double siding O G edge	1 " 1 1/2	"	28 00	Mate	6	14 00	Maze
10	Octagon Sucker Rods.	1 1/2 " 2	"	30 00	Material	6	14 00	Mead
11	Plain Jointing	" 2	"	33 00	Maternal	8	16 00	Meagre
12	Beader Heads	"	"	30 ea.	Math	8	16 00	Meal
13	Drop-Leaf Table Joint	"	"	25 00	Matin	8	16 00	Mean
		Pattern			Matrass	8	16 00	Meander
14	Flush Moulding	to suit	"	16 00	Matrimony	3	8 00	Measure
15	Blind Rod (2)	"	"	20 00	Matron	4	14 00	Meat
16	Door Head	"	"	20 00	Matross	4	12 00	Medal
17	Cope " (Tenoner)	"	"	10 00	Matter	2	5 00	Meddler
18	Sash "	"	"	18 00	Matting	4	10 00	Medial
19	Expanding Dado Head	"	"	25 00	Mattock	...	...	...
20	Dado and Grooving "	"	"	22 00	Mature	8	12 00	Medical
21	Combination Head	Send	for Catalogue					

In ordering heads give the following particulars:—Height of spindle, diam. of spindle, diam. of head in use, scope of opening in which head swings, name of maker, work to be done.

In ordering extra knives, give number on the heads, diam. of heads, and diam. of cutters in use.

Inch	
4 \$
5	.....
6	.....
7	.....
8	.....
9	.....
10	.....
11	.....
12	.....
13	.....
14	.....
15	.....
16	.....

HAND, WA	
Inch	Ba
4	..... \$2
5	..... 2
6	..... 2
7	..... 3
8	..... 3
9	..... 4
10	..... 5
11	..... 6
12	..... 7
13	..... 8
14	..... 10
15	..... 12
16	..... 14

Inch	
apers, Single Cut	\$
" Double "	

Mill Double Cut	
Mill Narrow Point	
Cross Cut Blunt	
Ant Blunt (Doub	
Saw (Single), t	

eads

Files and Rasps

KEARNEY & FOOT CO.

MILL AND ROUND				FLAT AND SQUARE			
Inch	Bastard	2nd Cut	Smooth	Inch	Bastard	2nd Cut	Smooth
4	\$1 80	2 15	2 40	4	\$2 00	2 40	2 65
5	2 00	2 40	2 65	5	2 20	2 60	2 90
6	2 25	2 65	2 95	6	2 50	2 95	3 25
7	2 55	3 00	3 30	7	2 90	3 40	3 75
8	2 90	3 40	3 70	8	3 40	4 00	4 35
9	3 30	3 85	4 20	9	4 00	4 70	5 10
10	3 80	4 40	4 80	10	4 70	5 45	5 90
11	4 50	5 20	5 65	11	5 60	6 50	7 05
12	5 40	6 20	6 75	12	6 70	7 70	8 40
13	6 50	7 45	8 05	13	8 00	9 15	10 00
14	7 80	8 90	9 65	14	9 50	10 90	11 80
15	9 30	10 60	11 45	15	11 20	12 75	13 75
16	11 00	12 50	13 40	16	13 10	14 85	16 00

HEAD.

HAND, WARDING AND PILLAR				HALF ROUND AND THREE SQUARE			
Inch	Bastard	2nd Cut	Smooth	Inch	Bastard	2nd Cut	Smooth
4	\$2 25	2 70	3 00	4	\$2 50	3 00	3 30
5	2 50	3 00	3 30	5	2 80	3 35	3 70
6	2 80	3 30	3 65	6	3 20	3 80	4 15
7	3 20	3 75	4 15	7	3 70	4 35	4 80
8	3 70	4 35	4 75	8	4 30	5 00	5 50
9	4 35	5 10	5 55	9	5 00	5 85	6 40
10	5 20	6 00	6 55	10	5 80	6 75	7 30
11	6 30	7 30	7 95	11	6 70	7 75	8 45
12	7 50	8 60	9 40	12	7 80	9 00	9 75
13	8 90	10 20	11 00	13	9 10	10 40	11 25
14	10 50	12 00	13 00	14	10 60	12 10	13 10
15	12 30	14 00	15 10	15	12 40	14 15	15 25
16	14 30	16 20	17 50	16	14 50	16 50	17 70

Code.	Cost
16 00	Maudlin
16 00	Maugre
8 00	Maul
8 00	Maw
8 00	Maxim
8 00	May
8 00	Mayor
4 00	Maze
4 00	Mead
6 00	Meagre
6 00	Meal
6 00	Mean
3 00	Meander

Inch	3	3½	4	4½	5	5½	6	7	8	9	10	11	12
Wipers, Single Cut	\$1 10	1 10	1 20	1 40	1 70	2 00	2 40	3 00	3 80	4 60	5 70	7 20	9 00
" Double "	1 60	1 60	1 75	2 00	2 40	2 75	3 25	4 00	4 95	5 90	7 10	8 80	10 80

of spindle, diam
of cutters in

EXTRAS

Mill Double Cut	advance 1 in.
Mill Narrow Points	" 1
Cross Cut Blunt	" 1
Ant Blunt (Double Cut)	" 2

Sinsaw (Single), take Bastard price.

EXTRAS

Slotting (Blunt)	advance 2 in.
Knife	" 1
High Back Half Rd. (Blunt)	" 2
Cross (Blunt)	" 2
Feather Edge (Blunt)	" 2



THE "DAISY"

Hot Water Boilers

The "Daisy" is the development of years of careful thought and long experience in the manufacture of Hot Water apparatus, and combines in its construction simplicity, durability and efficiency. The particular design of the heater herein illustrated has been in general use for two years past, and of the several hundreds already in successful operation, there has been heard of them nothing but the highest commendation.

The above principle. Each for it. This Ra space than any o

"Daisy" Boiler

PRICE LIST

No.	Capacity of 1 in. Pipe exclusive of Mains.	Height.	Diameter.	Price	Code.
1	700 ft.	4 ft. 1½ in.	19 in.	\$ 72 00	Memory
2	1000	5 0	22	85 00	Menace
3	1500	4 10	24½	115 00	Menage
4	2000	5 0	27	145 00	Mend
5	2500	5 1	29	175 00	Menial
6	3000	5 1½	31	200 00	Mental
7	4500	6 2½	36½	310 00	Mentor
8	6000	6 3	42	340 00	Mercer

Number of Pipes Wide in Section.

Number of Sections

4	3
4	4
4	5
4	6
4	7
4	8
4	9
4	10
4	11
4	12
4	13
4	14
4	15

Safford's Radiator

(Circulars on Application)

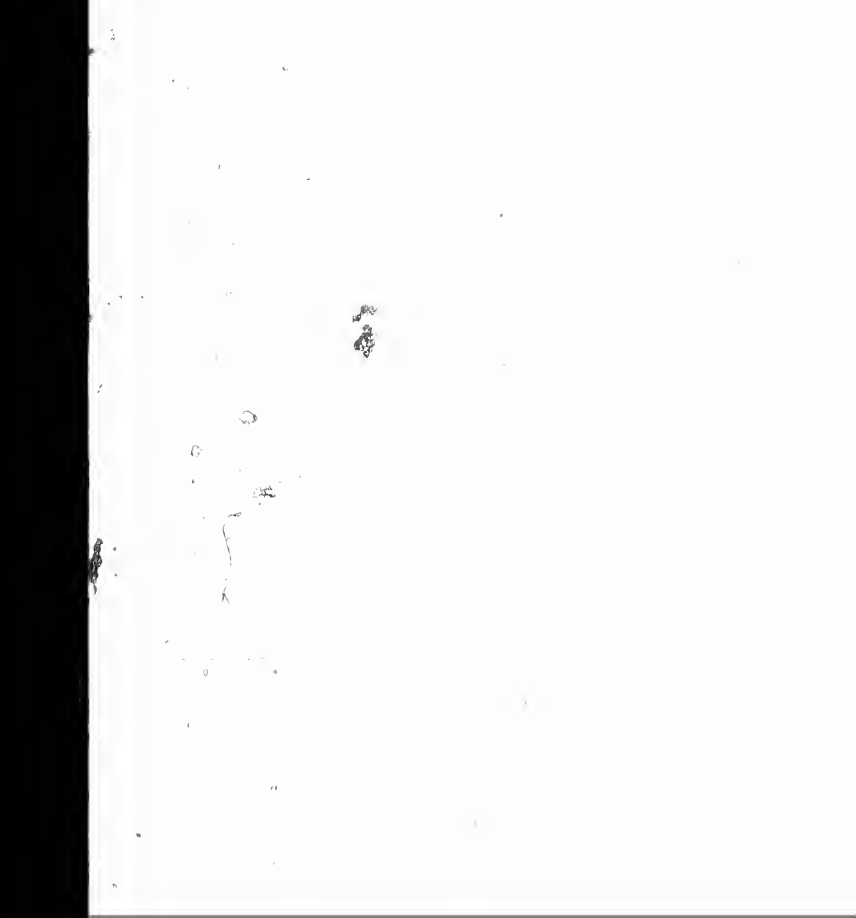


The above cut represents the Safford Radiator, constructed on a new "Patented" principle. Each Loop is guaranteed to contain the amount of heating surface claimed for it. This Radiator contains 30 per cent. more heating surface to a given floor space than any other Radiator in the market.

PRICE LIST (4 Loops)

Code.	Number of Pipes Wide in Section.	Number of Sections Long.	Number of Square Feet of Heating Surface in Radiator.	Equivalent in Feet of 1 in. Pipe in Radiator	PRICE.		Code.
					Per Square Foot.	Radiator complete without Valves.	
4	3		24	72	\$0 70	\$16 80	Merchant
4	4		32	96	0 70	22 40	Mercury
4	5		40	120	0 70	28 00	Mercy
4	6		48	144	0 70	33 60	Merge
4	7		56	168	0 70	39 20	Merino
4	8		64	192	0 70	44 80	Merit
4	9		72	216	0 70	50 40	Merlin
4	10		80	240	0 70	56 00	Mermaid
4	11		88	264	0 70	61 60	Merrion
4	12		96	288	0 70	67 20	Mesh
4	13		104	312	0 70	72 80	Metage
4	14		112	336	0 70	78 40	Metaphor
4	15		120	360	0 70	84 00	Metaphrase

SOHO MACHINE WORKS, TORONTO



Steam Covering and Packing

Pipe



Covering

Price of Material for Air Chamber Coverings, Complete, including Canvas:

Single Air-Chamber Covering, per sq. foot, flat measure.....	21 cts.
Double Air-Chamber Covering, " " " "	26 cts.

Price per Lineal Foot, Regular Sizes of Pipe, either Mineral Wool or Asbestos:

Sizes of Pipe.	½ in.	¾ in.	1 in.	1½ in.	2 in.	2½ in.	3 in.	3½ in.	4 in.	5 in.	6 in.
Single Air-Chamber Covering...	cts. 18	cts. 20	cts. 23	cts. 27	cts. 32	cts. 36	cts. 41	cts. 45	cts. 50	cts. 60	cts. 69
Double Air-Chamber Covering...	27	33	36	42	48	54	60	66	72	87	1 02

Steam Packing

Material.	Style.	Size.	Particulars.	Price Per lb.	Code.
Asbestos	Round	¼ to 2		\$0 54	Mete
"	Wick	1 lb. balls		0 54	Meteor
"	Flat	40 x 40	to ¼ in.	0 30	Meter
"	Round	¼ to 1½	{ With lead and tallow }	0 54	Method
Plumbago	Flat	½ and over	Any length	0 66	Metonic
"	Square	¼ to ¾		0 68	Mettle
Hemp	Italian	1 in.		0 26	Mew
"	Soapstone	¼ to 1		0 45	Mewl
Rubber	Flat	¼ and over	1 to 3 ply	0 30	Mica
"	Square	¼ to 1½	" "	0 68	Middle

SHAFT

Diameter of Shafting	Dia. when Turned	Weight per Foot
1 in.	1 1/8 in.	5.5
1 1/2 in.	1 3/4 in.	7.6
2 in.	1 7/8 in.	9.8
2 1/2 in.	2 1/8 in.	12.8
3 in.	2 3/8 in.	15.8
3 1/2 in.	3 1/8 in.	22.8
4 in.	3 3/8 in.	31.
	3 7/8 in.	41.

No.	Material	Dia.
12	Steel or	2
13	Brass	3
14	"	3
15	"	4
16	"	4
10	"	3 3/8
11	"	4 1/2

All grades of Cylinder and

SOH

Packing

Covering

Including Canvas :

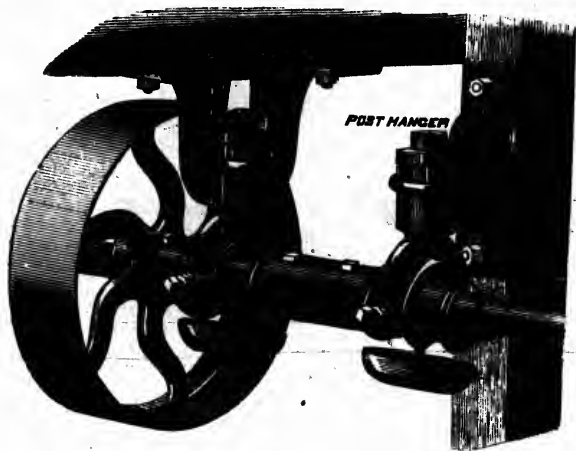
..... 21 cts.
 26 cts.

Wool or Asbestos :

n.	4in.	5in.	6in.
	cts. 50	cts. 60	cts. 69
	72	87	1 02

Price Per lb.	Code.
\$0 54	Mete
0 54	Meteor
0 30	Meter
0 54	Method
0 66	Metonic
0 68	Mettle
0 28	Mew
0 45	Mewl
0 30	Mica
0 68	Middle

SHAFTING HANGERS AND PULLEYS



Diameter of Shafting	Dia. when Turned	Weight per Foot	Weight of Couplings	Weight of Drop Hangers	Weight of Post Hangers	Weight of Pedestal Boxes	Net Cash Price per lb. Finished Weight	Code
In. 1½	1 7/8	5.5	Lbs. 60	Lbs. 42	Lbs. 42	Lbs. 7	\$ 0 07	Midge
1¾	1 11/8	7.6	64	42	42	10	0 06½	Midland
2	1 13/8	9.8	85	61	54	10	0 06	Midriff
2¼	2 1/8	12.8	89	85	82	28	0 06	Midship
2½	2 3/8	15.8	95	128	122	37	0 06	Mien
3	2 7/8	22.8	120	178	173	50	0 05½	Mighty
3½	3 1/8	31.	130	280	265	64	0 05½	Migrate
4	3 5/8	41.	145	.....	.....	88	0 05	Milch
						120	0 05	

DRAPER OILERS

No.	Material	Diameter	Nozzle	Price Each Steel	Code	Price Each Brass	Code
12	Steel or Brass	2½ in.	2½ in.	\$0 25	Mild	\$0 38	Milky
13	"	3 3/8	3	0 30	Mildew	0 45	Mill
14	"	3 7/8	9	0 38	Mile	0 50	Miller
15	"	4 1/8	3	0 50	Milfoil	0 70	Millet
16	"	4 1/4	9	0 60	Military	0 80	Million
10	"	3 3/8 x 5	12	0 80	Militant	1 00	Milt
11	"	4 1/4 x 6	18	1 00	Militia	1 20	Miner

All grades of Cylinder and Lubricating Oils, in quantities to suit purchasers, at lowest market prices.

SOHO MACHINE WORKS, TORONTO

PORTABLE PLATFORM SCALES

No.	Capacity	Platform	Without Wheels	Code.	With Wheels	Code.
11½	400 lbs.	22 x 15 in.	\$19 50	Mimer	\$21 50	Mincer
11	600	25 x 16	23 50	Mimic	25 50	Mind
10½	1000	26 x 17	26 00	Mimicry	29 00	Minder
10	1200	28 x 20	31 00	Minacious	34 00	Minded
9	1500	28 x 21	34 00	Minacity	37 00	Mindful
8	2000	30 x 23	37 00	Minaret	40 00	Mindless
7	2500	30 x 23	47 00	Mince	50 00	Mine

WITH HEAVY WHEELS AND DROP LEVER

No.	Capacity	Platform	Price	Code
10½	1200 lbs.	26 x 17 in.	\$33 00	Miner
10	1500	28 x 20	38 00	Mineral
9	2000	28 x 21	46 00	Mineror
8	2500	30 x 23	51 00	Mingle
7	3000	30 x 23	61 00	Minikin

WAREHOUSE SCALES

No.	Capacity	Platform	With Wheels	Code	Without Wheels	Code
1	5000 lbs.	48 x 48 in.	\$110 00	Minim	\$100 00	Minium
4	3500	42 x 44	85 00	Minimum	80 00	Minnow
5	3000	31 x 40	68 00	Mining	65 00	Minor
7	2500	25 x 34	63 00	Minion	60 00	Minotaur
9	2000	21 x 31	50 00	Minister	46 00	Minster

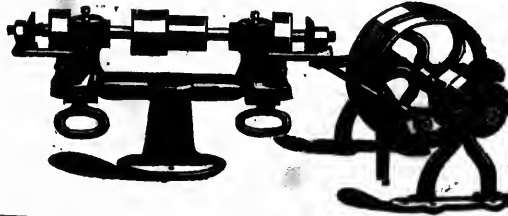
COUNTER SCALE

Capacity ½ oz. to 36 lbs.	Price	Code
With Tin Scoop	\$8 00	Mint
With Brass Scoop	9 00	Mintage

GROCERS' SCALE, Single Beam

Capacity ½ oz. to 62 lbs.	Price	Code
With Tin Scoop	\$9 00	Minute
With Brass Scoop	10 00	Minx

Emery
Stands



No.	Style	Capacity	C. Shaft	Price	Code
1	Single	8 inch wheel	"	\$18 00	Miny
2	Double	8 " "	"	22 00	Miya
3	"	14 " "	"	30 00	Mirage
4	On pedestal	14 " "	"	36 00	Mire

No.	Distance between Pulley
1	Inche
2	16
3	19½
4	22
5	24
	36

NO H
S
COP
NONFIBRO
E
FOR MACHIN

STANDS
H
HARDWA
BEST

PECOR

This paint
uniform in shade
mark.

Barrel (800 lbs.)
Half Barrel (400
Quarter Barrel (1
Gals (6 in a case)
Paint Thinner,
Non Filler.....

The Filler
preparing the

SALES

Wheels	Code.
1 50	Mincer
5 50	Mind
9 00	Minder
4 00	Minded
7 00	Mindful
0 00	Mindless
0 00	Mine

Improved Saw Mandrels



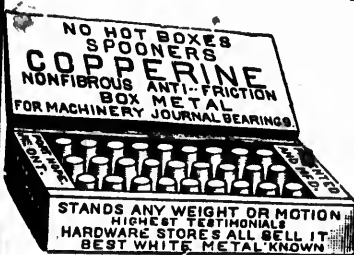
LEVER

Code
Miner
Mineral
Minvever
Mingle
Minikin

No.	Distance between Pulley and Saw	Diameter of Pulley	Face of Pulley	Diameter of Spindle	Speed	Price	Code
	Inches	Inches	Inches	Inches	Rev.	\$	
1	16	3 $\frac{1}{2}$	4	1	2800	10 00	Mirth
2	19 $\frac{1}{2}$	4 $\frac{3}{8}$	5 $\frac{1}{2}$	1 $\frac{1}{8}$	2500	12 00	Miry
3	22	5	6	1 $\frac{3}{8}$	2000	14 00	Miscall
4	24	6	7	1 $\frac{7}{8}$	1500	16 00	Mischief
5	36	7	8	1 $\frac{1}{2}$	1200	18 00	Miscible

Wheels	Code
00	Minium
00	Minnow
00	Minor
00	Minotaur
00	Minster

BABBITT



Name	Quality	Price per lb.	Code
No. A...	Best	60c.	(lbs.) Miscount
No. B...	Standard	30	" Miscreant
No. 1....	Medium	16	" Misdo
No. 2....	"	12	" Miser
Copperine	"Finest"	40	" Misery
"	No. 1	30	" Mishap
"	No. 2	20	" Mislay

E, Single Bear

Price	Code
\$9 00	Minute
10 00	Minx

PECORA PAINT CO.'S STEEL COLORS

For Engines, Tools and General Machinery

This paint gives a smooth and handsome finish; dries quick and hard; is uniform in shade, and very durable. In four shades—light, standard, medium and dark.

Barrel (800 lbs.)	at 10c. per lb.	Code.
Half Barrel (400 lbs.)	" 10 $\frac{1}{2}$ "	Miss
Quarter Barrel (150 to 250 lbs.)	" 11 "	Missal
Cans (6 in a case) 26 lbs. each	" 12 "	Missile
"Paint Thinner," for Flat Color	90 per gal.	Mission
and Filler	\$2 80	Missive
		Mist

The Filler makes rough castings smooth, fills all holes and irregularities even, thus preparing the castings for a fine finish with the "Steel Color."



Code
Miny
Miya
Mirage
Mire

SOHO MACHINE WORKS, TORONTO



CUT OF NO. 14 HEATER

- The -
**National
 Feed
 Water
 Heater**

No. 1 to No. 6
 come in and out at
 top. No. 7 and above
 exhaust in at bottom
 and out at top.

Size of exhaust
 pipe can be varied to
 suit engine.

Heaters made of
 Copper Coils, if de-
 sired.

No.	Horse Power	Diameter of Feed Pipe. Inches	Diameter of Exhaust Pipe. Inches	Dimensions of Heater		Price	Code
				Height In.	Diameter In.		
1	8	1	2	11	11	\$22 00	Mister
2	12	1	2 1/2	17	11	28 00	Mistime
3	20	1	2 1/2	16	14	35 00	Misty
4	25	1	3	19	19	52 00	Misuse
5	30	1	4	23	20	67 00	Mite
6	40	1	4	25	20	85 00	Mitre
7	50	1	4	31	20	104 00	Mitten
8	80	1	4	36	20	130 00	Mix
9	80	1	4	41	20	156 00	Mixture
10	100	1	5	52	20	196 00	Mizzen
11	150	1 1/2	8	52	29	325 00	Mizzle
12	200	1 1/2	8	58	29	390 00	Moan
13	300	2	10	52	42	412 00	Moat
14	400	2	10	64	42	650 00	Mob
15	500	2	10	76	42	780 00	Mock
16	1000	3	12	88	56	1960 00	Model

Leffel

Size in Inches	Sq.
7 1/8	
7 1/2	
8 1/4	
10	1
11 1/2	14
13 1/2	18
15 1/2	26
17 1/2	34
20	45
23	59
26 1/2	79
30 1/2	104
35	137
40	180
44	217
48	259
52	338
56	441
61	578
66	824
74	789
84	991
96	1295

The -
 ional
 eed
 Water
 Heater

No. 1 to No. 6
 in and out at
 No. 7 and above
 at in at bottom
 at top.

ze of exhaust
 n be varied to
 gine.

aters made of
 Coils, if de-

Code	
0	Mister
0	Mistime
0	Misty
0	Misuse.
0	Mite
0	Mitre
0	Mitten
0	Mix
0	Mixture
0	Mizzen
0	Mizzle
0	Moan
0	Moat
0	Mob
0	Mock
0	Model

Turbine Water Wheels

Leffel's Double Turbine. The Vulcan Double Turbine

Size in Inches	Vents	Material	Price of "Vulcan"	Code	Price of "Leffel"	Code	Globe Case	Code
7 6/8	Sq. In. 4 1/10	Brass	\$ 80	Dim	\$ 70	Discard	\$ 50	Dismount
7 1/2	6 1/2	"	90	Dimity	80	Discern	55	Disorder.
8 1/2	8 1/2	"	100	Dimple	85	Discharge	60	Disown
10	11 1/4	"	110	Din	90	Disclaim	65	Dispel
11 1/2	14 3/8	"	120	Dingle	100	Discord	70	Dispense
13 1/2	19 1/2	Brass	80	Dinner	75	Discount	75	Disperse
15 1/2	26 1/2	Gates	90	Dint	80	Discover	80	Display
17 1/2	34 1/2	"	100	Dip	90	Discreet	90	Displode
20	45	Iron	110	Diploe	90	Discuss	100	Displume
23	59 1/2	"	125	Diploma	100	Disdain	115	Disport
26 1/2	79	"	150	Dire	118	Disgorge	130	Disposal
30 1/2	104	"	175	Direct	135	Disguise	175	Disproof
35	137	"	210	Dirge	173	Dish		
40	180	"	260	Dirk	215	Dishevel		
44	217	"	300	Dirt	255	Disjoin		
48	259	"	340	Disable	285	Disjunct		
52	338	"	410	Disarm	330	Dislike		
56	441	"	500	Disband	435	Dislodge		
61	518	"	650	Disburse	550	Disloyal		
66	624	"	750	Disc	600	Dismal		
74	769	"			900	Dismask		
84	991	"			1300	Dismast		
96	1295	"			1500	Dismay		

SOHO MACHINE WORKS, TORONTO

CODE (DATE)

Each
\$ 3 25
3 63
3 88
4 25
4 59
4 84

at 17c. per inch.

\$ 0 30
0 25

OTHER

\$ 0 35
0 30
0 45
0 20
0 30
0 35

Each
\$ 20 00
21 00
21 00
22 00

Each
\$ 9 50
10 00
2 50

00 Nabob
00 Nadir
80 Nag

each \$ 50 00

gs, etc., price
one of these.

DAY	Referring to your letter of ()..... Pace.												DRC.
	JAN.	FEB.	MAR.	APR.	MAY.	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	
1	Pad	Peak	Pitch	Poise	Priest	Raft	Kent	Rose	Sash	Scrawl	Shaft	Shoal	
2	Page	Peal	Pith	Poke	Prig	Rag	Rhyme	Rot	Sauce	Scream	Shake	Shock	
3	Paid	Pear	Place	Pole	Prim	Rage	Rib	Rough	Sare	Screen	Sham	Shoek	
4	Pail	Pearl	Plague	Pomp	Prime	Raid	Rice	Round	Saw	Screech	Shame	Shod	
5	Pain	Peat	Plain	Pond	Prince	Rail	Rich	Rout	Scab	Scrub	Shamus	Shoe	
6	Paint	Peck	Plant	Pool	Print	Rain	Ride	Row	Scald	Scribe	Shape	Shone	
7	Pair	Peep	Pian	Poop	Prize	Raise	Rife	Rude	Scale	Scip	Share	Shook	
8	Pale	Peel	Plane	Poor	Probe	Rake	Rig	Rub	Scalp	Scrup	Sharp	Shoop	
9	Pall	Peg	Plank	Pop	Prompt	Ram	Right	Rude	Scamp	Scud	Shar	Shore	
10	Palm	Pent	Plant	Pope	Pronc	Ran	Rill	Rule	Scant	Scull	Shave	Short	
11	Pan	Pen	Plash	Porch	Prong	Range	Rind	Run	Scant	Scum	Shawl	Shot	
12	Pang	Pert	Plate	Fore	Proof	Rank	Ring	Rung	Scape	Scythe	She	Should	
13	Pant	Pest	Plate	Fork	Pro	Rant	Rip	Run	Scar	Sea	Sheaf	Shout	
14	Pap	Pet	Play	Fork	Prose	Rap	Rise	Ruse	Scare	Seal	Shear	Shove	
15	Par	Pew	Plea	Fose	Prude	Rash	Risk	Rush	Scarf	Seap	Sheath	Show	
16	Parch	Phrase	please	Post	Prune	Rasp	Road	Rye	Scarf	Seap	Shed	Shred	
17	Hard	Pick	pledge	Pot	Prow	Rat	Roan	Road	Scene	Search	Shed	Shred	
18	Park	Pie	Piod	Pouch	Pug	Rate	Roar	Road	Scent	Seat	Sheep	Shriek	
19	Parse	Piece	Plood	Pulp	Pump	Rave	Rob	Road	School	Seet	Sheer	Shrink	
20	Part	Pierce	Plo	Pound	Pun	Raw	Robe	Road	Scoff	Sedge	Sheet	Shrimp	
21	Pass	Pig	Plough	Pounce	Punch	Ray	Rock	Road	Scold	Seem	Shelf	Shrink	
22	Paste	Pike	Pluck	Praise	Punt	Reach	Rod	Road	Scorch	Seer	Shield	Shrub	
23	Pat	Pile	Plum	Prance	Pup	Read	Rogue	Road	Score	Seer	Shield	Shrub	
24	Patch	Pile	Plum	Prank	Pup	Ream	Romp	Road	Scorn	Sell	Shift	Shrunk	
25	Path	Pin	Plump	Prate	Pure	Ream	Romp	Road	Scot	Send	Shin	Shun	
26	Pause	Pinch	Plus	Pray	Purse	Reap	Roof	Roof	Scour	Sense	Shin	Shunt	
27	Pave	Pine	Ply	Preach	Push	Reap	Roof	Roof	Scout	Serve	Ship	Shut	
28	Pawn	Pinch	Press	Poach	Puss	Reel	Room	Roost	Scowl	Set	Shire	Shy	
29	Fay	Pinch	Price	Pock	Put	Reck	Roost	Roost	Scrap	Sex	Shirk	Sick	
30	Pen	.....	Prick	Race	Rack	Reft	Root	Sap	Shade	Shade	Sick	Side
31	Pence	.....	Point	.....	.....	Sat	Rope	Sat	.....	.....	.....	.....

SHIPPING CODE.

	CODE.
Slant	
Slap	
Slash	
Slat	
Slate	
Slatter	
Slave	
Slay	
Sleazy	
Sled	
Sledge	
Sleek	
Sleep	
Sleet	
Sleeve	
Sleight	
Slender	
Slept	
Slew	
Slice	
Slid	
Slide	
Slight	
Slily	
Slim	
Slim	
Sling	
Slink	
Slip	
Slit	
Sliver	
Sloat	
Sloe	
Sloop	
Slop	
Slope	
Sloth	
Slouch	
Slough	
Slow	
Sludge	
Slug	
Sluice	
Slumber	
Slung	
Slunk	
Slur	
Slush	
Sly	
Smack	

SHIPPING.	CODE.	SHIPPING.	CODE.
Can you ship?	Sofa	Ship to my order	Soothe
You may ship	Soffit	You may ship promptly	Sop
Did you ship?	Soft	You must ship promptly	Sophist
Do not ship	Soggy	Ship within (....) days	Soprano
Why not ship?	Soil	Ship within (....) weeks	Sordid
Why not shipped?	Soiree	Ship not later than (date)	Sore
I can ship	Sojourn	Ship as soon as possible	Sorrell
I can ship (.... days)	Solace	" " " by Freight	Sorrow
I can ship (.... weeks)	Solar	" " " by Express	Sort
When did you ship?	Sold	You may ship when ready	Sortie
Shipped from London	Soldier	Ship direct to purchaser	Sot
Shipped from Toronto	Sole	Rate per 100lbs. will be	Sou
When can you ship?	Solemn	Rate per light carload will be	Sought
I can ship immediately	Solicit	Rate per full carload will be	Soul
I will not ship	Solid	Rate quoted this end is	Sound
Ship via R. & O. Steamer	Solo	Ship and draw B/L attached	Soup
Ship via C. P. R.	Solve	Hold subject to our order	Sour
Ship via G. T. R.	Solvent	By what route did you ship?	Source
Will be shipped from	Sombre	Get ready for shipment	Souse
	Some		South
	Son		Sow
	Song		Sown
	Songster		Soy
	Sonnet		Spa
	Soon		Space
	Soot		Spade

At what rate of freight can you ship?	Spangle
When and at what rate of freight can you ship?	Spaniel
Have you shipped my order of (date) yet?	Spank
Where will goods be shipped from?	Spar
I will not ship until hearing from you	Spare
Do not ship until you hear from me	Spark
If you have not shipped, await letter	Sparrow
Can you ship from stock, if not, how soon?	Sparse
Not in stock, but can ship in (.... weeks)	Spasm
Answer quick, so as to have no delay in shipping other goods	Spatter
There will really be no extra charge for freight, as goods can go on car ordered	Spawl
Your order for (....) received, and will be shipped about (....)	Spawn
The goods mentioned are in stock	Spay
Impossible to fill the order in the time specified	Speak
A very short time will complete your order	Spear
Will ship at the earliest moment possible	Special
Ship as follows, addressed to me at (....)	Specie
Can you sell something else so as to help on freight?	Speck
I have sold subject to freight not exceeding	Spectr al
Prepare to ship, but wait further instructions	Spectre
Everything is ready, waiting car	Sped
The machine is promised (date) sure	Speech
	Speed
	Spell
	Spelt

CODE—MEASUREMENTS AND NUMBERS.

No.	CODE.	No.	CODE.	No.	CODE.	No.	CODE.
1	Spousal	36	Stand	86	Stoic	500	Strung
2	Spouse	37	Stanza	87	Stoker	600	Strut
3	Spout	38	Staple	88	Stole	700	Stub
4	Sprain	39	Star	89	Stolid	800	Stucco
5	Sprang	40	Starch	90	Stomach	900	Stuck
6	Sprat	41	Stare	91	Stone	1000	Stud
7	Sprawl	42	Stark	92	Stook	1100	Student
8	Spray	43	Starling	93	Stool	1200	Studio
9	Spread	44	Start	94	Stoop	1300	Study
10	Sprig	45	Starve	95	Stop	1400	Stuff
11	Spring	46	Stave	96	Storage	1500	Stumble
12	Spirit	47	Stay	97	Storax	1600	Stump
13	Sprout	48	Stead	98	Store	1700	Stun
14	Spruce	49	Steak	99	Stork	1800	Stung
15	Sprung	50	Steal	100	Storm	1900	Stunk
16	Spume	51	Stealth	105	Story	2000	Stunt
17	Spun	52	Steam	110	Stout		
18	Spur	53	Steed	115	Stove		
19	Spurn	54	Steel	120	Stow		
20	Spurt	55	Steep	125	Strain		
21	Spy	56	Steer	130	Strait		
22	Squab	57	Stellar	135	Strake		
23	Squad	58	Stem	140	Strand		
24	Squalid	59	Stench	145	Strange		
25	Squall	60	Stencil	150	Strap		
26	Square	61	Step	155	Strata		
27	Squash	62	Stern	160	Stratum		
28	Squat	63	Sternum	165	Straw		
29	Squeak	64	Siet	170	Stray		
30	Squeal	65	Stew	175	Streak		
31	Squib	66	Steward	180	Stream		
32	Squill	67	Stick	185	Street		
33	Squint	68	Stickle	190	Strength		
34	Squire	69	Stiff	195	Stress		
35	Squirt	70	Stifle	200	Stretch		
36	Stab	71	Stigma	210	Strew		
37	Stack	72	Stile	220	Stricken		
38	Staff	73	Still	230	Strict		
39	Stag	74	Stilt	240	Stride		
40	Stage	75	Sting	250	Strife		
41	Staid	76	Stingo	260	Strike		
42	Stain	77	Stingo	270	String		
43	Stair	78	Stinky	280	Stripe		
44	Stake	79	Stint	300	Stroke		
45	Stale	80	Stipend	325	Stroll		
46	Stalk	81	Stir	350	Strong		
47	Stall	82	Stitch	375	Strop		
48	Stamen	83	Stiver	400	Strove		
49	Stamp	84	Stoat	450	Struck		
50	Stanch	85	Stock				

\$	C
.01	Supp
.02	Supp
.03	Supp
.04	Supp
.05	Supp
.06	Supp
.07	Supp
.08	Surce
.09	Surdi
.10	Sure
.11	Surf
.12	Surge
.13	Surly
.14	Surma
.15	Surna
.16	Surpa
.17	Surpl
.18	Surve
.19	Surviv
.20	Suspe
.21	Sustai
.22	Sutler
.23	Suttle
.24	Suture
.25	Swab
.30	Swag
.35	Swain
.40	Swale
.45	Swam
.50	Swamp
.55	Swan
.60	Swap
.65	Sward
.70	Sware
.75	Swarm
.80	Swash
.85	Swath
.90	Sway
.95	Sweal
1.00	Swear
2.00	Sweat
3.00	Swede
4.00	Sweep
5.00	Sweet
6.00	Swell
7.00	Swelt
8.00	Swept
9.00	Swerve
10.00	Swift
11.00	Swig
12.00	Swill

NUMBERS.

MONEY CODE.

CODE.	\$	CODE.	\$	CODE.	\$	CODE.	\$	CODE.
Strung	.01	Supine	13	Swim	64	Tankard	1600	Tender
Strut	.02	Supper	14	Swindle	65	Tanner	1700	Tendon
Stub	.03	Supple	15	Swine	66	Tansy	1800	Tendrill
Stucco	.04	Supply	16	Swing	67	Tantivy	1900	Tenet
Stuck	.05	Support	17	Switch	68	Tap	2000	Tennis
Stud	.06	Supra	18	Swivel	69	Taper	2100	Tenon
Student	.07	Supreme	19	Swoon	70	Tapir	2200	Tenor
Studio	.08	Surcoat	20	Swoop	71	Tapis	2300	Tense
Study	.09	Surdity	21	Sword	72	Tapster	2400	Tent
Stuff	.10	Sure	22	Sworn	73	Tar	2500	Tenter
Stumble	.11	Surf	23	Swung	74	Tardy	2600	Tenure
Stump	.12	Surge	24	Sylph	75	Target	2700	Tepid
Stun	.13	Surly	25	Sylva	76	Tariff	2800	Terni
Stung	.14	Surmise	26	Symbol	77	Tarnish	2900	Terra
Stunk	.15	Surname	27	Synod	78	Tarry	3000	Terrier
Stunt	.16	Surpass	28	Syntax	79	Tarsal	3100	Terror
	.17	Surplus	29	Syphon	80	Tart	3200	Terse
	.18	Survey	30	Syringe	81	Tartan	3300	Tertian
	.19	Survive	31	System	82	Tartar	3400	Test ..
	.20	Suspect	32	Systole	83	Task	3500	Tetanus
Stupe	.21	Sustain	33	Tab	84	Tassel	3600	Tether
Stupid	.22	Sutler	34	Tabard	85	Taste	3700	Tetter
Stupor	.23	Subtle	35	Table	86	Tatter	3800	Text
Sturdy	.24	Suture	36	Tableau	87	Tattoo	3900	Textual
Sturk	.25	Swab	37	Tablet	88	Taught	4000	Texture
Stutter	.30	Swag	38	Tabour	89	Taunt	4100	Thaler
Sty	.35	Swain	39	Tack	90	Taurine	4200	Thane
Style	.40	Swale	40	Tact	91	Tavern	4300	Thank
Suasion	.45	Swam	41	Taction	92	Taw	4400	Thatch
Suasory	.50	Swamp	42	Tag	93	Tawny	4500	Thaw
Sub	.55	Swan	43	Tail	94	Tax	4600	Theatre
Subdean	.60	Swap	44	Tailor	95	Tea	4700	Theme
Subduce	.65	Sward	45	Taint	96	Teach	4800	Theory
Subdue	.70	Sware	46	Take	97	Teak	4900	Thesis
Subect	.75	Swarm	47	Talc	98	Teal	5000	Thick
Subjoin	.80	Swash	48	Talent	99	Team	6000	Thief
Sublet	.85	Swath	49	Talk	100	Tear	7000	Thiller
Sublime	.90	Sway	50	Tall	200	Teaze	8000	Thimble
Sublunar.	.95	Swear	51	Tallow	300	Teazel	9000	Thin
Submerge	1.00	Sweat	52	Tally	400	Teat	10000	Third
Submit	2.00	Swede	53	Talmud	500	Tedder	11000	Thistle
Subside	3.00	Sweep	54	Talon	600	Tedium	12000	Thong
Subsist	4.00	Sweet	55	Tambour	700	Teem.	13000	Thorax
Subsoil	5.00	Swell	56	Tame	800	Teeth	14000	Thorn
Subtend	6.00	Swell	57	Tamp	900	Teller	15000	Thral
Subter	7.00	Swell	58	Tan	1000	Temper	16000	Thrash
Subtle	8.00	Swept	59	Tandem	1100	Tempest	17000	Thread
Subtract	9.00	Swift	60	Tang	1200	Templar	18000	Threat
Suburb	10.00	Swig	61	Tangent	1300	Tempter	19000	Thrill
Subvert	11.00	Swill	62	Tangle	1400	Tenant	20000	Throat
	12.00		63	Tamp	1500	Tench	25000	Throb

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Flooring Mac
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Forging Furn
Former, Foot
Foot-Power M
Foot Presses

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Gauges
Gauge Glasses
Gear Cutter
Governors

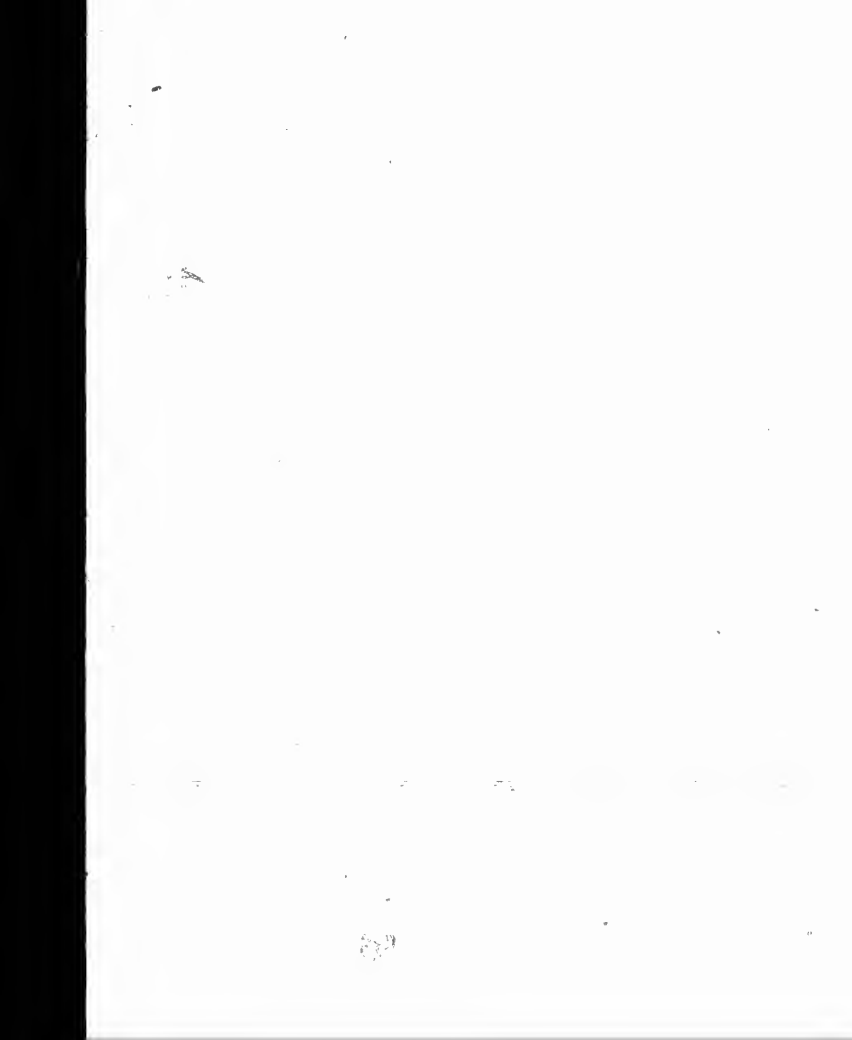
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 " Dr
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Heading Saw
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Hoop Machine
Hose
 " Furnishin
 " Rack
Hub Boring M
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Injectors
Iron Lathe
Iron Planers

Jewellers' Mach
Jointer

Key Seat Slotte
Knee Bolters
Knives

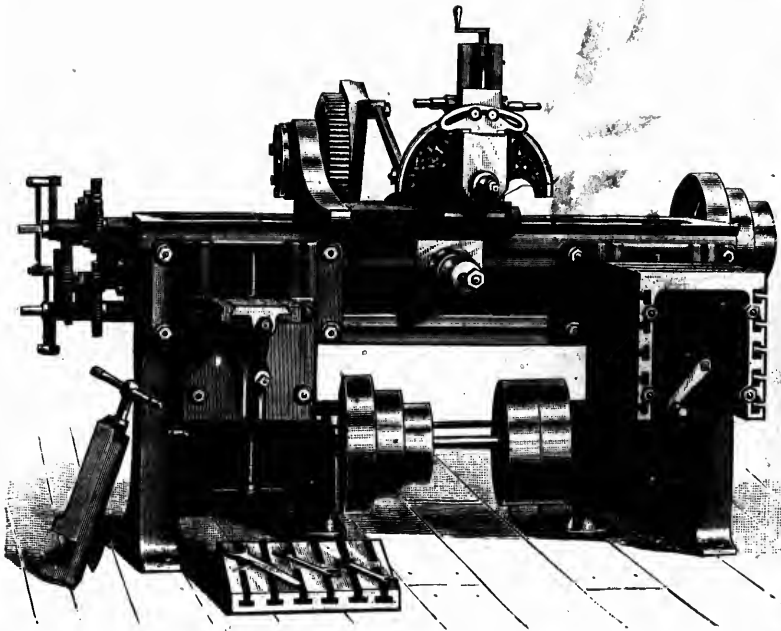
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Machinery	25
.....	125
....., 99, 100, 101	



16 X 36

IRON SHAPING MACHINE

