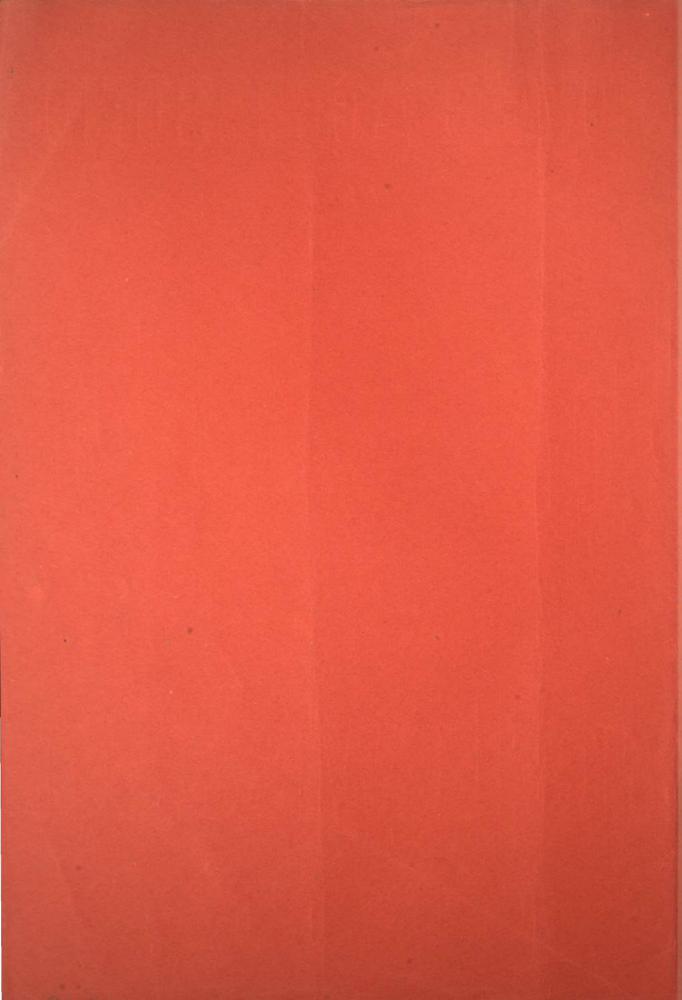
Bicycle Accessories



RICE LEWIS & SON

TORONTO,
CANADA



TO THE TRADE

In presenting this our SIXTH ANNUAL CATALOGUE of BICYCLE ACCESSORIES, COMPONENT PARTS, etc., issued for the benefit of BICYCLE DEALERS, MANUFACTURERS and REPAIR MEN, we beg to call special attention to the many new lines we are now handling, many of which we are SOLE AGENTS for.

GUARANTEED GOODS are sold only on Maker's Guarantee; we assume no personal liability.

IN ORDERING give full particulars. It will often save correspondence and delay by referring to Figures and Numbers in Catalogue. Parties not having an account will please, remit with order, and if goods are to be sent by mail include sufficient for postage. GOODS OR SAMPLES ORDERED OR RETURNED BY MAIL ARE AT CUSTOMER'S RISK.

TERMS: NET CASH.

RICE LEWIS & SON,

Limited.

TORONTO, February, 1900.

AR 688.76602 R37.2

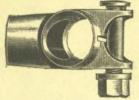
B. S. A. FITTINGS

NICKEL-PLATED POINTS. FULL MACHINED.



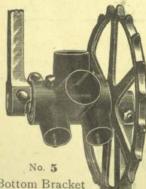
No. 1

Gents' Ball Head, 1½ or 1¼" Sizes 7½ to 9½". Each, \$6.30.



No. 3

Gents' Seat Post Lug and N.P. Bolt, 1½ x 1". Each, \$1.00.



Bottom Bracket for Ladies' or Gents' Frames, 51" tread.

16 to 20 teeth, each \$7.00; sprockets over 20 teeth, add 25c. tooth to list.



Ladies' Ball Head, 1½"
Sizes 7½ to 9½"
Each, \$6.30.



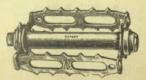
No. 4

Ladies' Seat Post Lug and N.P. Bolt, 1\(\frac{1}{8}\)". Each, \\$1.00.



No. 6

Rubber Pedal.



No. 7 287 Rat-trap Pedal.



Rear Fork and Back Stay Ends for D tubes, and Chain adjusters. Per set, \$2.15.

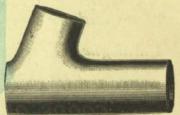


No. 10

Rear Fork and Lower Back Stay
End and Chain Adjusters.

Machined \(\frac{5}{8} \) and \(\frac{5}{8}'', \) round tubes.

Per pair, \(\frac{5}{1.20} \).

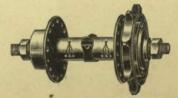


No. 11

Ladies' Top Tube Lug, $1\frac{1}{8} \times 1\frac{1}{8}$ ". Each, \$1.00.



No. 12 Front Hub.



No. 13 Rear Hub.

2

SETS OF B. S. A. FITTINGS

MACHINED READY FOR TUBES WITH NICKEL-PLATED POINTS

B. S. A. SET No. 1

B. S. A. SET No. 2

Gents' or ladies' roadster, frame for round rear tubes, consisting of bottom bracket (No. 5), 16 to 20 teeth; ball head (No. 1), seat post lug with nickel-plated bolt (No. 3), rear fork ends with nickel-plated chain adjusters and lower back stay end (No. 10), pair of hubs (Nos. 12 and 13).....PRICE PER SET, \$18.00.

SIZE OF TUBING

For gents', 1" top, $1\frac{1}{8}$ " lower and down tubes, $\frac{7}{8}$ " rear forks. For ladies', $1\frac{1}{8}$ " top, lower and down tubes, $\frac{7}{8}$ " rear forks.

B. S. A. SUNDRY PARTS

FOR REPAIRS ONLY

Back hub cups each, \$0 3	15	Fork end back stay screwseach, \$0	05
Front hub cups " 2		Seat-lug bolt, complete with nut and washer "	30
	10	Seat-lug nuts	10
Front hub cones	25	" washers "	05
Back hub nuts " 0)5	Ball head top lug "	60
Front hub nuts " 0)5	" bottom lug "	75
Back hub spindle and cones complete " 1 0	00	Ball head, inside rings "	20
Front " " " 7	15	" bottom socket rings	30
Back hub lock nuts " 2	20	Handle-bar clips complete " 1	50
Hub chain wheel, 7 teeth " 8	80	Ball head bolt, complete with nut "	25
" " 8 " " 8	80	" " nuts	10
n in 9 " i 10	00	" lock nuts	25
" " 10 - " " -1 2	20	" lock washers and lamp brackets, com-	
Bottom bracket wheels and cranks combined,		bined "	30
16 to 20 teeth " 3 0	00	Chain adjusters, N.Pper pair,	60
" " " 21 teeth " 3 2	25	" nuts each,	05
" " " 22 " " 3 5	50	" " caps	10
" " 23 " " 3 8	80	Hub steps "	40
" " " 24 " " 4 0	00	Bottom bracket oil cups	15
Plain cranks, 6 or 63/2 inches long " 1 5	50	Pedal pins "	60
	20	" centres" "	60
	10	" cones "	30
	90	" locking nuts"	05
	50	" side plates "	15
	20	" ends "	50
	15	" dust caps "	05-
117		The state of the s	

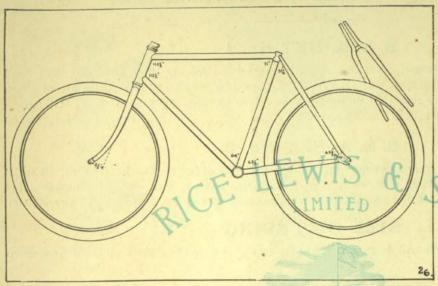
TRADE MA

None Genuine without this Trade Mark TR

B.S.A.

SETS ELECTRICALLY WELDED STEEL FITTINGS

COMPLETE WITH SEAMLESS TUBES AND FORKS



STOCK SIZES FOR FRAMES 22, 231/2 and 26 inches.

For 28" wheels, flush joint construction, with seat post cluster.

Drop 21/2", Wheel Base 44".

D rear forks, 7/8", tapered to 3/4" at fork end.

D rear stays curved 1/4", tapered to 3/4" at fork end and 5/4" at top end.

Fread, 434".

Tubing, 13/8" head, 13/8" main frame, 7/8" rear forks, and 7/8" tapered rear stays.

-21/2" throw. n sprocket.

MODEL 26 FITTINGS

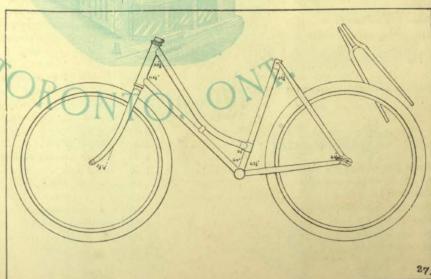
22-inch Frame, Gents' Shouldered Flush Joint, 28-inch Wheels.

No.		No.				
C-12	Upper and lower, 1121/2°-flush head, 13/8 x 11/8", fitted	A-11	Bolt and nut for H. B.C.			
	with head lugs.	A-22				
E-10	Seat post cluster—71° x 53¼°—1½ x 1½″.	A-31	Head washer (check).			
G-3	Rear fork ends (pair), 3/"-18 gauge x 1/"-20 gauge.	A-41	Upper head cone, tapped, 1"-24 pitch.			
0-2	Chain adjusters (pair), forged pattern.	A-51	Upper head cup for $22\frac{3}{16}$ balls.			
F-11	Hanger Bracket-64° front x 631/4° rear-11/8 x 11/8 x 7/8".		Lower head cups for 23 18" balls.			
B-4	Hanger cups (pair), with 04 ball retainer.	A-71	Lower head cone, and 45 steel balls 16".			
B-23	Hanger cone (adj.), tapped, .875"-28 pitch (left).	I-5	Head stem, 16 gauge, thread 1"-24 pitch.			
B-44	Hanger cone (sta.), tapped, .875"-30 pitch (right).	T-4	Arch crown, forged pattern.			
B-63	Hanger locknut, tapped, .875"-28 pitch (left).	K-4	Forksides (pair), 1" x 19 gauge-21/2" throw			
B-84	Hanger washer (check), and 26 steel balls 16".	L-2	Hubs (pair), drilled 32 x 36—with sprocket.			
A-3	Handle-bar clamp.	P-9	2 arch struts for forks and stays.			

MODEL 27 FITTINGS

STOCK SIZES FOR FRAMES 21 and 231/2 inches.

NOTE-MODEL No. 27 use same fittings as No. 26, substituting for C-12, lug C-15; for E-10, lug E-13; and add centre lug D-5.



Sets as above with Thompson's No. 2 two-piece Crank Hanger, Nickel-Plated, sprockets up to 26-tooth.....per set, \$10 00 13 00 14 00

Add 15c. for every additional two teeth.

SETS ELECTRICALLY WELDED STEEL FITTINGS

COMPLETE WITH SEAMLESS TUBES AND FORKS

STOCK SIZES FOR FRAMES 22, 231/2 and 26 inches.

For 28" wheels, flush joint construction, with seat post cluster.

Drop, 234", Wheel Base 453%".

Oval rear forks, 7/8", tapered to 3/4" at fork end.

Oval rear stays 34", tapered to 58" at top end.

Tread, 434".

Tubing 13/8" head, 11/8° main frame, 3/8" forks, and 3/4" tapered rear stays.



MODEL 40 FITTINGS

22-inch Frame. Gents' Shouldered Flush Joint. 28-inch Wheels.

112½°—flush head 1½ x 1½″.

Seat post cluster—71° x 54½°—1½ x 1½″.

Rear fork ends (pair), ¾°—18 gauge x ¾″—20 gauge.

Chain adjusters (pair), forged pattern.

Hanger Bracket—64° front x63½° rear—1½ x 1½ x ½″

Hanger cups (pair), with 04 ball retainer.

Hanger cone (adj.), tapped, .875″—28 pitch (left).

Hanger cone (sta.), tapped, .875″—28 pitch (right).

Hanger washer (check), and 26 steel balls ‡″″ W-21 E-26

G-3 0.2

F-15

B-4

B-23 B-44

B-63

B-84 Hanger washer (check), and 26 steel balls 16

Handle-bar clamp. A-3

Bolt and nut for H. B. C. A-11

Head locknut, tapped, 1"-24 pitch. Head washer (check). A-22

A-31

A-41

A-51

A-61

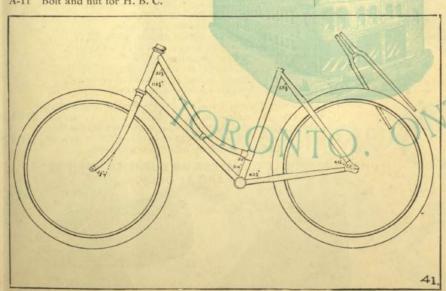
Upper head cone, tapped, 1"—24 pitch. Upper head cup for $22 \frac{7}{16}$ " balls. Lower head cups for $23 \frac{7}{16}$ " balls. Lower head cone and 45 steel balls $\frac{7}{16}$ ". A-71 Head stem, 16 gauge, thread, 1"-24 pitch. I-5

J-7

Arch crown, hollow, forged pattern. Forksides (pair), 1" x 19 gauge—2½" throw. Hubs (pair), drilled, 32 x 36—with sprocket. K-4

L-6

2 arch struts for forks and stays.



MODEL 41 FITTINGS

STOCK SIZES FOR FRAMES 21 and 231/2 inches.

NOTE-MODEL No. 41 use same fittings as No. 40, substituting for W-21, head W-24; for E-26, lug E-29; and add flush centre thimble.

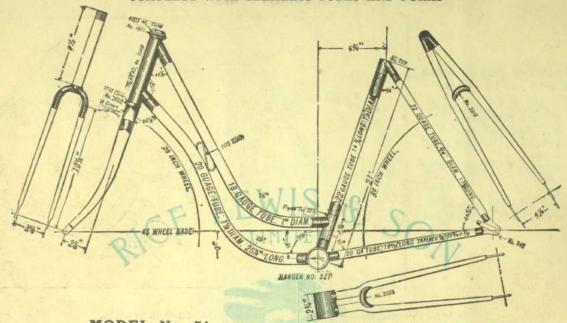
Sets as above with Thompson's No. 2 two-piece Crank Hanger, Nickel-Plated, sprockets up to 26-tooth per set \$12 00 " Fauber Patent one-piece Special " 44 24 " " 13 50 66 Standard " 14 50

Add 15c. for every additional two teeth.

See Page Six for Head and Seat Lugs, as used on above sets.

SETS STEEL FITTINGS

COMPLETE WITH SEAMLESS TUBES AND FORKS



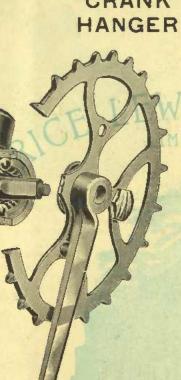
MODEL No. 51—Ladies' Shouldered Flush Joint-28-inch Wheels STOCK SIZES FOR FRAMES 21 and 23½ inches.



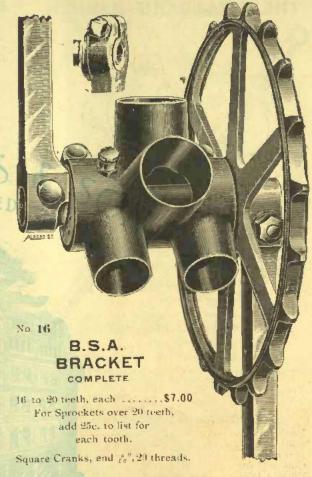
6

BRACKETS

THOMPSON No. 2 TWO-PIECE CRANK HANGER



B. S. A.



Furnished with Sprockets for 18-in. chain, from 20 to 30 Tooth.

Dadies' 6 V inch.

This outfit consists of L Crank, Sprocket, Loose

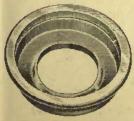
Crank with Lock-

Ladies', 6½ inch; Gents', 7 inch. Price, Bracket complete, up to 26 Tooth, each, \$4.25

Price of Cranks, Axle and Sprocket,

up to 26 Tooth. Per set, \$3.00.

N.P. CRANK SHAFT FITTING



No. B-4 Hanger Cup for 13-15." Balls. Each, 15c.



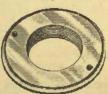
No. 04 Ball Retainer for No. B-4 Hanger Cup.



No. B-4 Hanger Cup and No. 04 Ball Retainer. Each, 15c.



No-B 63 Locknut. Each, 6c.



No. B-23 Adjusting Cone. Each, 25c.



No. B-84 Washer.



No. B-44 Stationary Cone. Each, 25c.

Sets Crank Shaft Fittings, 6 pieces, N.P., as above, per set, 85c.

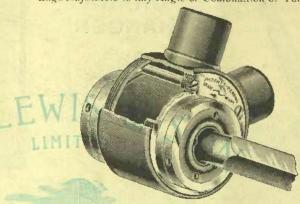
Adjusting Cone and Lock-nut tapped .875" -23 pitch (left), Stationary Cone tapped .870"—30 pitch (right).

W. H. FAUBER BICYCLE HANGERS

THE STANDARD HANGER

FAUBER ECCENTRIC HANGERS

Eccentric and Bracket made of Drawn Sheet Steel. Light and Strong. Adjustment Simple.
Secured by Double Positive Locking Device.
Lugs Adjustable to any Angle or Combination of Tube Sizes.



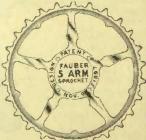
All Rear Lugs for 14-16 Gauge Tube. (Match Fauber Forks).

Other Lugs	For 11/8, 20 or 22 Gauge Tube. " 11/4, 20 or 22 "
Tread	Chain Line 11/2"
Up to 26-Tooth Sprockets	each, \$8.00

STAR SPROCKET



FIVE-ARM SPROCKET



*CROWN SPROCKET



Sizes Sprockets-20, 22, 24, 25, 26, 28, 30 and 32.

Thickness

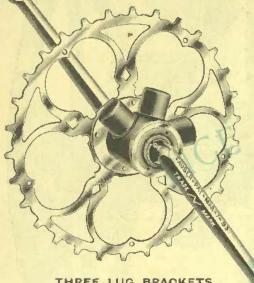


New Spanner Lock Nut furnished

on all Fauber hangers.



*Men's, 61/2, 7 and 71/2" *Ladies', 6 and 61/2" *Tread, 41/2 and 41/3"



THREE LUG BRACKETS

Flush loint only.

Front and Middle Lugs	11/8 and 11/4"
*Rear Lugs	
(Rear Lugs match	Fauber Forks)
Tread	*Chain Line
Tread 478"	Chain Line 138"

FOUR-LUG BRACKETS

Flush Joint	114	x 7/8"
*Flush Joint		
Flush Joint		
Outside Joint		
Outside Joint	11/8	x 34
Outside Joint	1	X 34 2

SPECIAL FOUR-LUG FLUSH BRACKET

ror Ladies Fran	me with Curved Lower Bar,	
Flush Joint		1/20
Tread, 14" or 11/8"		2/80
Tread, I"	47/4" or 4	Van
Chain Line, 14" or 1	38"	180
Chain Line, I"		1211

ANGLES

Three and	Four I.	ug Brackets.
-----------	---------	--------------

3"	wheels	· · · · · · 61°	63°
	Ladies' Curved L		63

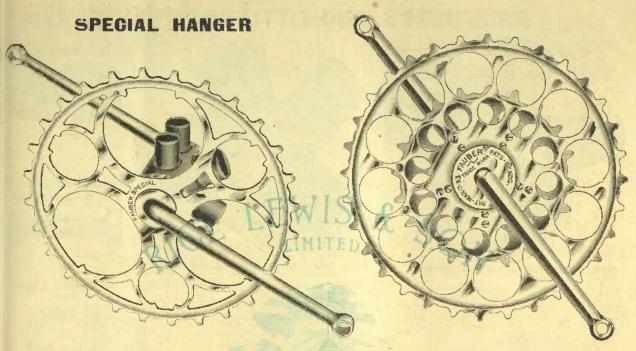
Up to 26-Tooth Sprockets .. each, \$5.00 Add 15c, for every addditional two teeth.

SPECIAL TAPS

For Re-Tapping Brackets after Brazing. Right and Left Hand, in pairs, with Mandrell.

*" Stock Sizes." All others to order,

W. H. FAUBER BICYCLE HANGERS



THREE ARM

*Sizes Sprockets......22, 24, 26 and 28 x 3"

THREE LUG BRACKETS

FOUR-LUG BRACKETS

	Flush Joint	7/84
4	Flush Joint 11/8 x	7/8"
	Flush Joint	3/4 "
	Outside Joint	7/8 11
	Outside Joint	3/4 4
	Outside Joint x	3/4 11
	Tread for 11/4 and 11/8"	17/811
	Chain Line for 11/4 and 11/8"	38 "
	Tread for 1"	1/2 11
	Chain Line 1"	1/2"

SPECIAL FOUR-LUG FLUSH BRACKET

ANGLES

Three and Four-Lug Brackets.

		Front	Rear
21/2"	Drop	, 63°	63°
3	44	61°	61°
3½ to 44, 30 in. wheels			59°
*21/2". Special for Ladies'			
Curved Lower Bar	64	110°	63°
11- 4- 00 T11-0			

Up to 26-Tooth Sprockets, each, \$4.00.

Add 15c, for every additional two Teeth.

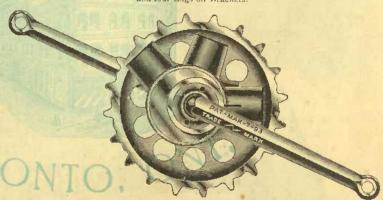
*Stock Sizes All others to order.

REAR HANGER Tangems, Triplets and Quads.

Brackets for 11/4" Tube. Cranks, Diamond Pattern, 61/2 and 7".

Rear Driving Sprockets, 36 and 32 x 1/4".

Middle Hanger for Triplets and Quads similar to Front, but fitted with two Sprockets and four Lugs on Brackets.



FRONT HANGER

TANDEM HANGERS

Brackets for 1 ¼" Tube only. Cranks, Diamond Pattern, 6½ and 7" Front Sprocket, 20 x 3"s". Rear Driving Sprocket, 32 and 34 x ¼". Rear Driving Sprocket, Special Star, 32 x ¼ ".



ROUND CRANK (as on Special Hanger)

*Men's- $6\frac{1}{2}$ and 7^{μ} . *Ladies'-6 and $6\frac{1}{2}^{\mu}$.

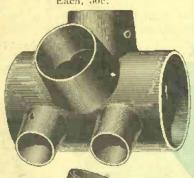
ELECTRICALLY WELDED CRANK BRACKETS

BALL HEADS, AND FITTINGS Nickel-Plated and Hardened



No.	Size	Angles	Inside Dia.	Dтор
F-12	1¼x1¼x1¼"	614° Front 61° Rear	1,767"	3½°

Each, 50c.





FOR SHOULDERED FLUSH JOINT

No.	Size	Angles	Inslde Dia.	Drop
F-10	11/3x11/8x7/8"	63¼° Front 63¼° Rear	1.767"	21/2"
F-11	1 1/8 x 1 1/4 x 7/8"	64° Front 63¼ Rear	1.767"	21/2"
F-15	1/8x1/8x3/8"	64° Front 63¼°Rear	1.767°	234"

Each, 50c.

FOR OUTSIDE JOINT

No.	Size	Angles	Inside Dia.	Drop
F-2	1¼x1¼x¾	65° Front 67½°Rear	1.767"	1 1/2"
F-5	11/8x11/8x34"	64° Front 65¼ Rear	1.767"	2''
F-6	1 1/8 x 1 1/8 x 7/8"	64 Front 651/4 Rear	1,767"	2"

Each, 50c.

ONE-PIECE HEADS

Measure 178 outside diameter, with branches made to fit 11/8 22 gauge tubing.

	GENTS'	17
No. A-41/4"long		1512, ×1137
No. B-5" "		
No. D-7" "	L	12/2 X113%

LADIES'

No. E-74	long											4	i	.53°x112	/2
No. F-74	, ,,	Ė		1.	٠	٠.	,	-	 	,	7	,	4	.48°×116	

Lower Head Cup

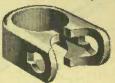


Each, 7c.



No. A-51. Each, 10c.

Head Clamp



Each, lac. No. A-3.

Head Clamp Bolt, Nut and Washer



Hexagon Lock Nut



Tapped 1", 24 pitch. Each, 6c.

Head Washer



No. A-31. Each, 3c.

Upper Head Cone, Adjusting



No. A-41, Tapped 1", 24 pitch. Each, 15c.

Upper Head Cup

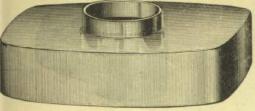


No. A-61. Each, 10c.

No. A Set, complete, 8 pieces, as above ... per set. 65c.
No. B " 6 " A51, 71, 61, 41, 31, 22 " 35c.

When ordering state whether for one piece Head or Thompson's Fittings

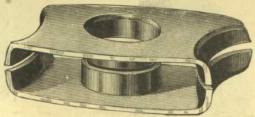
CROWNS



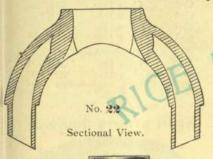
No. 22

BOX CROWN

Showing Construction



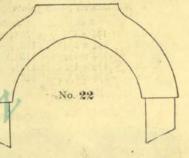
Stamping, for 1" Head Stem and Forksides......each, 30c. Above Crown with pair Brazed Forks to match..... "

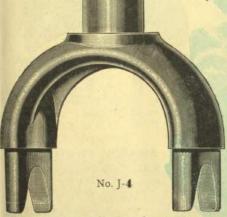


MACHINE DROP-FORGED HOLLOW-ARCHED CROWN

For 1" Stem and 1" Forksides.

Each80c.

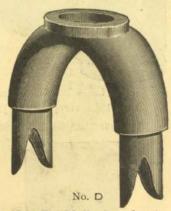




Forging, latest design, for 1" Head Stem, and Forksides made of 1" tubing. Carefully and Accurately Machined.

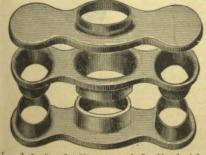
No. R, Stamping, for 1" Head Stem and Forksides.

No. R



No. D, Malleable, for 1" Head Stem and Forksides.

Each16c.

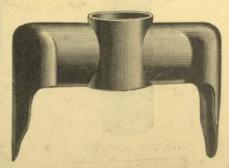


No. J-1, for 1" Stem and \(\frac{7}{8}\)" Forksides. \(\frac{1}{2}\), \(\frac{1}{1}\)" \(\frac{1}{1}\)" \(\frac{1}{1}\)" \(\frac{7}{1}\)" \(\frac{1}{1}\)"

Cupped Crown Plate. With Crown Plate unless otherwise specified. Each......20c.

ALUMINUM FORK CROWN TIPS

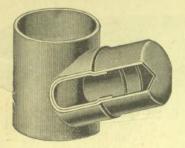
Assorted patterns.



No. 45, Stamping, for 1" Head Stem and Forksides.

Each 80c.

HEAD LUGS



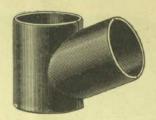
Seamless. Shouldered Flush Joints

	Size.	Angle.
C-15 C-12	13% x 11% 13% x 11%	53½ deg.
C-18	13% x 11%	11314 "
C-22 C-21	13% x 1¼ 13% x 1¼	1121/2 "
	Each, 18c.	211



Outside-Seamless.

	outside sea	micaa.				
No.	Size.	Angle.				
- 9	11/4 x 11/8	53½ deg.				
-20 -10	114 x 11/8	110¾ "				
-10	1¼ x 11/8	1121/2 "				
-19	1¼ x 1¼	11034 "				
- 7 - 8	1¼ x 1¼	1131/4 "				
- 8	14 x 11/8	1131/4 "				
Centre Lugs						
)_4	11/8 x 11/8	59 "				
-5	11/8 x 11/8	90 "				
	Each, 18c	ITED				

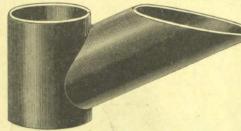


Outside-Two Seams

INO.	Size.	An	gie.			
C-2	1¼ x 1½	531/4	deg			
C-6	1¼ x 1½	11034	66			
C-5	1¼ x 1¼	1121/2	6.6			
C-1	114 x 11/8	1131/4	6.6			
Centre Lugs						
D-1	11/8 x 11/8	59	6.6			
D-3	11/8 x 1 1/8	90	6.6			
D-2	14 x 1 1/8	90	44			
-1	Each, 6c.					

CENTRE LUGS

ARCH STRUTS-(Curved)



Head Lug-One Seam Long. 1¼ x 1%. 112½° Each, 12c.

HANDLE BAR STEM



No. (Mast, Outside,136" 8516 (Down Tube Flush, 136" 90°

Each, 8c.



No. 5202, size 34", to fit 3%" D Rear Forks

" 5203, " 34 " 38 Rd. " "

" 5204, " 58 " 34 " " "

" 5205, " 58 " 34 Curved Rear Stays

" 5502, " 58 " 13% wide, for Stays

" 5503, " 58 " 13% " "

" 5504, " 58 " 244 " "

Each, 4c.

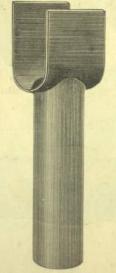
Straight Struts

No.	5007		34" X	1¾"	wide
6.6	5008		7/8 x	13/8	66
		East		0.00	

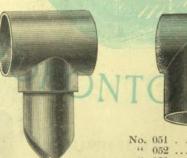
Each, 4c

SEAT POST TEES

HANDLE BAR TEES



No. 100. Each, 20c.



10			
110, 7/8" x	7/8"		
Each, 6c.			



No.	051	1	x	7/8
11	052		x	34
6.6	053	7/8	x	7/8
.66	054			
66	055			
	Each, 6c.			

x ½ Flush Joint x ¼ No. 4401, 1½"x 5%" 70°

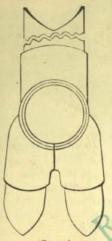
Each, 6c.

CHAIN ADJUSTERS



No. 3410, Forged N.P.
Per doz. pair, \$1.00.
Per pair, 12c.
No. 5027, Chain Adjusters for
Fork Ends. No. G-3
Per pair, 25c.

SEAT POST LUGS





Gents'

Shouldered Flush Joint.

Each, 26c.

Size.

Angle.

71° x 53

No.

Gents' Cluster.

Shouldered Flush Joint. Outside on

No.	Size.	Angle.	Size Frame.
E-10	11/8 x 11/8	71 x 53¼°	22
E-11	11/8 x 11/8	71 x 58°	20
E-12	11/8 x 11/8	71 x 50¼°	231/2
	Eas	ch, 26c.	

For Three-Crown Construction Angle.

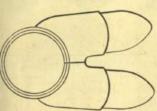
E-16 14x14x14 71 x 531/2° 231/2 Each, 26c.

Size.

Size Frame.

Gents Shouldered Flush Joint.

Size. Angle. No. 254. . 11/8 x 11/8 x 34 71° x 53° Each, 26c.



Ladies Shouldered Flush Joint.

No. 221 11/8 x 3/4 55° Each, 26c.



Ladies' Cluster Shouldered Flush Joint.

No. 8618 Size. Angle. 11/8 x 3/4 55°



Ladies' Cluster Shouldered Flush Joint.

No. E-13. 11/8 x 551/4° for 21" Frame. Each, 26c.



Gents'-Outside.

No.	Size.	Angle
" E-3	11% x 11%	71°
4800	1¼ x 11/8	71°
4850	1¼ x 1¼	71°
	Frak 20a	

N. P. BOLT AND NUT FOR SEAT POST LUGS



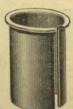
	Size.	Doz.	Each.
No. M-1	√ x 17/s	90	8
" M-2		90	8
	Oval Head.		
11 12	A v 2	60	6



Gents' Shouldered Flush Joint.

E-7-11/8 x 11/8-71° Shouldered on Top Bar, butt flush on Seat Top Mast. Each, 20c.

"BUSHINGS" FOR OUTSIDE JOINT SEAT POST LUGS



Fits 11/8" Tubing. Each, 5c.



Outside Ladies'

No.	Size
E-1	11/8
4808	114
4810	11/8

Each, 15c.

REAR FORK ENDS

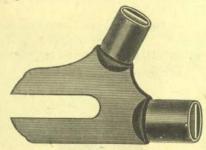


Flush Joint Pattern

No. G-3.

3"—18 ga. x 3"—20 ga. With N.P. Screw Chain Adjuster. Diagonal Slot.

Per pair.....



Flush Joint Pattern

No. G-4.

 $\frac{3}{4}$ "—18 ga. x $\frac{3}{4}$ "—20 ga.

Parallel Slot.

This is adjustable to any height frame from 21" to 26" inclusive.

Per pair......20c.

REAR STAY TIPS



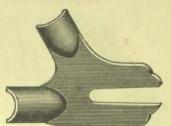
Flush Joint (Offset)

No. 5110, for 3" x 20 ga. Tube. 5111, for §" x 20 ga. Tube.



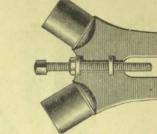
Flush Joint (Central)

No. 5112, for 3" x 20 ga. Tube. 5118, for §" x 20 ga. Tube. Per pair......10c.



D Pattern

No. 53. For D Tubes.



Round, Oval or D Flush Joint Pattern

No. 8634. 3 x 3". With N.P. Screw Chain

Adjuster.

LIMITED THIMBLES









Per 100..... \$2 00.

Per doz......30c.

No.	Style.	Width	Size.	Gauge	No.	Style.	Width	Size.	Gauge
5001	Oval	3	3	20	5008	Plain		58	20
5002	D	0	3	20	5009	44	170	3	20
5003	D		3	22	5010	- 46		3 4	22
5004	Shoulder		3	20	5011	61	1000	7	20
5005	66		1	22	5012	66		7878	22
5006	66	E (6)	78	20	5013	Bug. B.		3	20
5007	**	Spla:	7	22	5014	11		3	20

REINFORCEMENTS



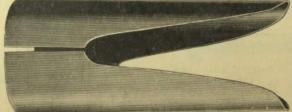
No. 8387.

Round, for Flush Joint Connections, 11."

Per doz.32c.

No. 90. Round, 33" long, 3 to 11" Per doz., 32c.

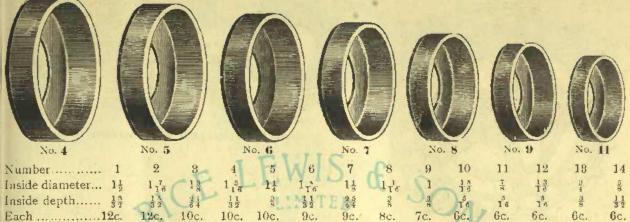




No. 91. Forksides, 31" long, 1". Per doz., 32c

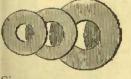
Hardened Pressed Steel Ball Bearing Cups

FULL SIZE





Size	₹ <u>0</u>	3 2
Thread24, 26 or 28	24, 26 or 28	30
Per doz \$3.50	8.50	3.50
Each 0.30	0.30	0.30



N. P. WASHERS

Size	1	15	3 10c.
Per doz	10c.	10c.	10c.
Per 100	75c.	75c.	75c.
200			

NUTS Nickel-Plated, Hexagon Forged







18"	32		\$2 00	30c.
1 " 1 "	24 to	32	2 25	85c.
37"	24 to	32	2 50	40c.
10	20 to	32	2 50	40c.
3 2	20 to	32	2 75	40c.
18	20 to	32	8 00	45c.
8 8	20 to	32	8 00	45c.
\$ 4, 5, 1	and 118"	Head or	Bracket,	Black80c.

Round Head Machine Screws for Name-plates, Mud and Chain Guards, Etc.



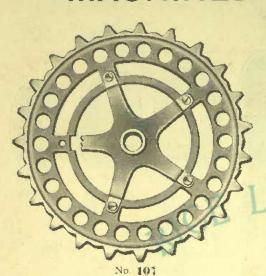
Per Doz.

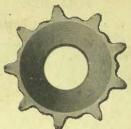
			_ ^	Ų. D.	021				
No		.2 to	4	6	8	10		12	14
Length,	\$ or 1	4c.		4c.	5c.	6c.			
61	3	4c.	e i	4c.	5c.	6c.		8c.	10c.
14	1/2	4c.	1	4c.	5c.	7c.		9c.	11c.
- "	\$	4c.		5c.	6c.	8c.	1	0c.	12c.
	3	5c.		Gc.	7c.	9c.	1	lc.	14c.
11	7			7c.	8c.	10c.	1	2c.	15c.
tr.	1			8c.	9c.	11c.	1	4c.	16c.
No		2	3	4	6	8	10	12	14
Size		3 9	7 64	7 € ¥	84	11	3 T 6	32	1 1
Thread		56	48	86	32	82	24	24	20
Size Dri	11	49	45	42	35	30	25	17	6

SQUARE TAPPED NUTS For Machine Screws

No	2	-8	4	6	8	10	12	14
Per doz	10c.	7c.	7c.	7c.	7c.	8c.	9c.	10c.

MACHINED STEEL FITTINGS





No. 40--Rear Sprocket, teeth milled, bored 1,3," hole, not threaded.

7, 8, 9, and 10 teeth.....each, 20e. 12 teeth " 45e.

No. 60-Tempered, threaded and blued.

9 10 teeth. 50c. 70c. 80c. each

SPROCKETS-MILLED AND BORED, §" Hote

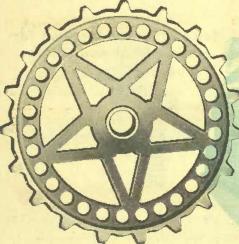
	16	17	18	19	20	21 teeth.
No. 113	-	D		\$1.00	1.08	1,15 each.
4 107	2	Cr.	0	1.25	1.30	1,40
35	60c.	60c.	60c.	70c.		
LIMI	22	23	24	26 28	30	32 teeth.
No. 113	\$1.25	1.35	1.40 1	.65 - 1.85	2.35	2.85 each.
107	1.45	1.55	1.60 - 1	.80 - 2.15	2.50	3.00 **





N. P. COTTER PINS No. 140

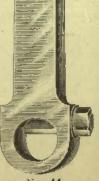
> Hardened Steel, with Nots and Washer. Per 100, \$3,40; doz., 50c.



No. 113



No. 40 Threaded for x 20 \$1.50 per pair.



No. 41 Slotted. 80e. per pair.



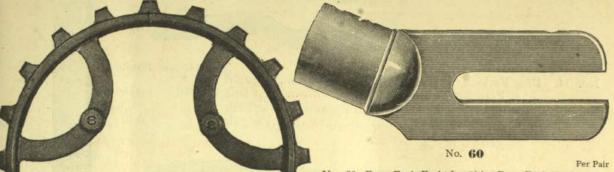
No. 42 Threaded 1/2 x 20

Threaded 1/2 x 20 60c. per pair, 60c. per pair.

No. 35

STEEL DROP FORGINGS

THREE-ARM DETACHABLE SPROCKET WHEELS



								-	
,	No.	60.	Rear Fork	Ends for	3/8 in.	Rear	Fork		10c.
	No.	61.	44	46	34	- 44			10c.
ļ	No.	62.	"	" Dp	attern	, same	as No	o. 31	20c.
	No.	63.	Rear Stay	Ends, 5%	or 34 i	in			10c.
	No.		100				as No		

CRANKS

No. 22

PLAIN SPROCKET WHEELS

SPIDERS

No. 3312 (with Two Arms) 6, 61/2, 7 inch, each, 25c. Left hand to match, each, 12c.

No. 2163 (Round) Williams' Round, 6, 61/2, 7 in., each, 12c.

No. 3259. Ea. 12c. HUB SPROCKET



No. 21

No. 21 No. 22	35c., 35c.,	38c., 38c.,	40c.,	43c., 43c.,	45c., 45c.,	50c	60c.,	24 teeth 75c, each 75c, "
No. 2480 Sheet Steel I	8, 10c.,	9, 10c.,	10 12c.	teeth.				

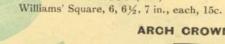
SEAT POST LUGS



No. 2687. Ladies' 11/8 in. Each, 18c.



No. 2686. Gents' 11/8 x 11/8 in., 11/8 x 1 in., 1 x 1 in. Each, 18c.





No. 2844 3/8 to 1 1/8 inch. Each, 8c.

ARCH CROWN

No. 3640 King of Arch Crowns. Each, 20c.

DOUBLE CROWN

No. 2850 (Flat)



Race for 1/8 inch forkside,

FORKS AND STAYS

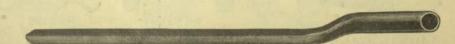
D STYLE

FRONT FORKS

1	The second secon	
	Solid Drawn	Brazed
No. 74.	Rear Forks, The Round, D Shaped Extension, Tapered at Fork End	\$0.35
No. 75.	Rear Stays, 3" Round, D Shaped Extension, 3" at Fork End	0.40
0	E LEWIS &	
No. 76.	Rear Forks, 5" Round, D Shaped Extension, Tapered \$0.70	Brazed \$0.35
No. 77.	Rear Stays, 3" Round, D Shaped Extension, 3" D at Fork End	0 40
	OVAL	Solid
No. 78.	Rear Forks, 7 Round, Oval Extension, Tapered, 3 Oval at	Drawn
	Fork EndPer pair	70c.
No. 79.	Rear Stays, 3" Round, Oval Extension, 3" Oval at Fork End "	80c.
No. 80.	Rear Fork, as 78, Flattened at Fork End "	70c-
No. 81.	Rear Stay, as 79, Flattened at Fork End" "	80c.
No. 82.	Rear Stay, 3" Round, Oval Extension 3" at Fork End, Bend as in Model No. 51	80c.
. water	FAUBER'S PATENT REAR FORKS AND STAYS	
	FAUDENS PATERTI NEAR FURNS AND STATS	-



NT 00	D D 1 0 11 10 C C 1 10 C M	Drawn	Brazed
No. 00.	Rear Forks, Stem 1¼", 16 Ga., Sides 18 Ga., Tapered to ¾" Round	\$2.00	\$1.85
No. 01.	Rear Stays, Stem 1\frac{1}{8}", 22 Ga., Sides 20 Ga., Tapered to Per set	2.00	1.35



Solid Drawn, ¾, ¼ or per pair60
Brazed, ⅙ or 1", pair 26
Our Weldless forks at New Improved Patters with swaged ends.

No. 87

FORK END TIP



Per doz., 40c. Each, 5c.

WELDLESS STEEL TUBING

PRICE PER FOOT

Standard	Equivalent in Fraction of Inch	DIAMETER OF EXTERIOR IN INCHES														
English Wire	Equiva	1/2	9 16	5/8	11 16	34	13 16	78	15	1	110	118	13	11	$1\frac{3}{8}$	11/2 .
26 25 24 28 22 21 20 19 18 17 16 15 14 13	.018 .020 .022 .025 .028 .032 .035 .042 .049 .058 .065 .072 .088 .095	30 30 30 30 30 30 31 31 32 33 35 37 38 40 42	82 82 82 82 82 82 83 83 84 85 87 89 41 48	98 98 98 98 98 98 94 95 96 97 99 41 48 45 48	35 35 35 35 35 36 37 38 39 41 43 46 48 50	36 36 36 36 36 36 38 38 38 41 43 45 48 50 54	87 87 87 87 87 87 88 89 41 48 45 47 50 58 57	38 38 38 38 38 38 39 40 42 44 47 49 52 55 59	39 39 39 39 39 40 41 43 46 49 52 55 59 63	40 40 40 40 40 40 41 42 44 47 50 54 57 62 66	41 41 41 41 41 42 44 46 49 53 57 60 65 70	42 42 42 42 42 42 43 45 48 51 56 59 68 78	48 48 43 48 48 45 47 50 58 62 66 72 77	44 44 44 44 46 48 51 55 60 64 69 75 81	48 48 49 52 55 60 65 70 75 81 88	 50 50 52 55 60 65 70 75 81 88 95
11 10	.120	45	48 51	51 54	54 57	57 60	60 64	68 67	67 71	70 74	74 79	78 84	83 89	87 94	94 102	102 110

FIG. 86. D PATTERN. 7-8 x 20 G.

HEAD STEMS

(Machined)

1" x 16 W. G. 12" over all. Threaded 1" x 24

pitch. Each, 30c.



SPRING SEAT

Each, \$2.00.

No. 3 Expanding Seat Post. Sizes, $\frac{1}{16}$, $\frac{1}{16}$, $\frac{15}{16}$, $\frac{7}{8}$ ". Each, 50c.



Double Curved.

(See Ladies' Frame, page 6).

No. 50. Single Curved.

No. 51.

Each, 60c.

Each, 60c.

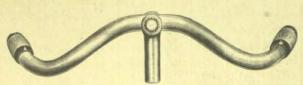


No. 4, $\frac{7}{8}$ inside, $1\frac{1}{16}$ outside for $1\frac{1}{8}$ tubing. No. 4 Expander. Each, 28c. Other sizes to order.

HANDLE BARS

HEAVILY NICKEL-PLATED ON COPPER, WITH 7-in. POSTS, NO GRIPS Special Sizes of Posts to Order.

FREDRICK ADJUSTABLE



Construction of Clamp.

Adjustable to Every Position.

The side arms are supported both back and front. The corrugated ratchet plug works on the principle of a wedge, and should the rider fail to properly tighten up the bolt after he has made an adjustment, the corrugated plug will prevent the arms from falling down. This is not so in any other bar. The slits in the stem allow the head lugs to give a trifle, thus bringing pressure against bolt head, which absolutely prevents the bolt working loose. The expander is invisible.

No. 85—Adjustable.....each, \$2.10

No. 84—Adjustable, Expanding.....each, \$2.20



Adjustable, secure and simple; will not work or wear loose; may be converted from a drop to an upturn. Has a range of adjustment 15 inches.

No. 87-Adjustable ..each, \$2.10 No. 86-Adjustable Expanding ... 2.20

THE CLAUS EXPANSION STEM.

THE CLAUS PLAIN STEM



THE CLAUS ADJUSTABLE.

Width, 18" Drop, 2" Forward, 3

No. 1

THE CLAUS ADJUSTABLE. No. 2

Width, 18" Drop, 2" Forward, 3°

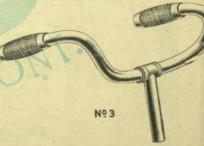


Nº1

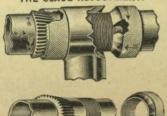
THE CLAUS ADJUSTABLE.

No. 3 Width, 16" Drop, 3" Forward, 21/2

Width, 18" Drop, 4" Forward, 2"



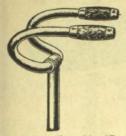
THE CLAUS ADJUSTMENT.



STEEL HANDLE-BARS

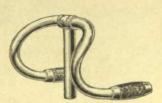
HEAVILY NICKEL-PLATED ON COPPER, WITH Fin. POSTS, NO GRIPS

Special Sizes of Posts to Order



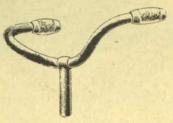
No. 7-A, Adjustable, 17 or 18". Each, \$1.85.

lo. A, Up-turn, Stationary, 17 or 18" Each, \$0.85.



No. 7-B, Adjustable, 16". Each, \$1.85.

No. B, Down-turn, Stationary, 16". Each, \$1,05.



No. 7-D, Adjustable, 17 or 18" Each, \$1.85.

No. D, Up-turn, Stationary, 17 or 18" Each, \$0.85.

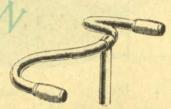


No. 88, Perfection, Adjustable, Expanding. Each, \$1.10.

No. 87, Expanding Bolt and Clamp Black for above Bar. Each, 30c.

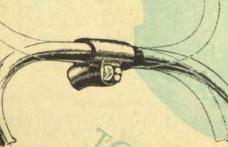


No. D, Down-turn, Stationary, 17". Each, \$0.85.



No. 7-E, Adjustable, 18". Each, \$1.85.

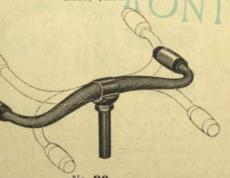
No. E, Down-turn, Stationary, 18". Each, \$0.85.



No. 89, Adjustable, Bent and Tapered, 1 to 3/8". Each, \$1.50.

THE "BALDWIN" BRAKE

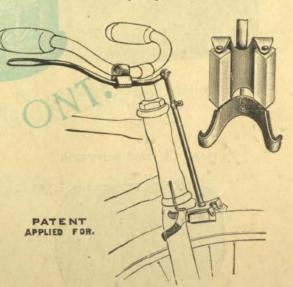
Can be attached to any Bieycle in Two Minutes



No. 90

No. 90, Wood Bar, with Adjustable N. P. Clip with Grips. Each, \$1.00.

No. 90½. Ditto, Mahogany Finish. Each, \$1.00. No. 91. Ditto, Adjustable, Ram's Horn. Each, \$1.50.



No. 3

Complete. Each, \$2.00.

GRIPS

LEATHER



No. 11. Nickel-Plated German Silver Tips. 3½ or 3" long. Per doz. pair, \$4.50; per pair, 40c.

LEATHER



No. 7. Nickel-Plated German Silver Tips. Per doz. pair, \$4.80; per pair, 45c.

Made from selected grain leather, stitched on to wood grooved reinforcing, into which groove seam in leather is sunk, making grip perfectly smooth.

24.



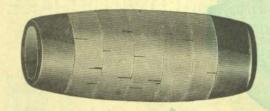
No. 12. Built-up leather, lined and reinforced, per doz. pair, \$2.40; per pair, 25c.

CORKALINE



SOLID WRAPPED CORK

Selected Quality



No. 30. Nickel-Plated German Silver Tips. Per doz. pair, \$3.20; per pair, 30c.



23. Square Black Ebonite 1.20 BUCKSKIN

27. 5" Square Inlaid Composition Tips, lined and reinforced... 2.70

Square White Celluloid 1.20

Tips, lined and reinforced... 1.60

20c

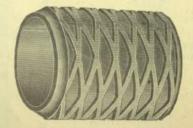
25c.

12c.

12c.

No. 17. 13 or 3" Square Nickel Tips.....\$1.50 15c.

HANDLE BAR BUFFERS



Rubber Buffers. Per doz., \$1.00; each, 12c.

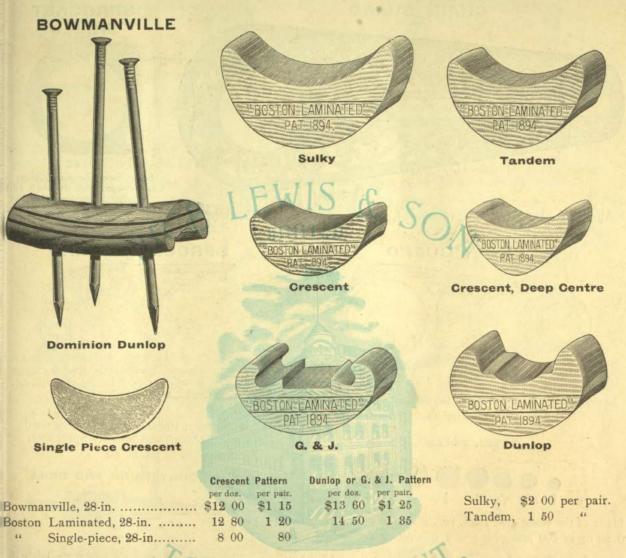
THE PERFECTION GRIP



Stops all cramp and numbness of hands, wrist and arms. Made of SPONGE rubber and unusually flexible, they conform to any curve of bar and fit and size. Rubber covered "Reliefs" can be readily forced over any rigid end grip already of with powered soapstone and so slid into position.

Plain Rubberper	pair,	75c
Soft leather covered	66	90c

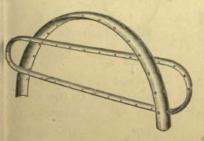
WOOD RIMS



30-inch Rims, 15c. per pair extra on above prices. Other sizes, special prices on application.

We carry a Stock of SECONDS SUITABLE FOR REPAIR WORK. Price on application.

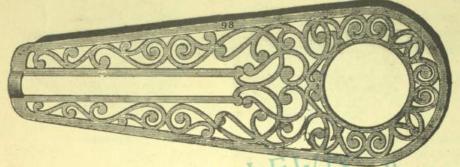
MUD AND CHAIN GUARDS (EYELETED)



Natural Finish, open, per pair	.30c.
Mahogany Finish, open, per pair	.80c.
Natural Finish, continuous, per pair	
Birdseye Maple, continuous, per pair	.60c.
Quarter-cut Oak continuous, per pair	

CHAIN GUARDS

CHAIN GUARD



No. 43

Aluminum, Polished Face, standard length for wheel.......Each \$2 00

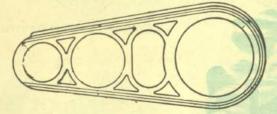
SPROCKET SHIELD



No. 42

Sheet Steel, Smooth Finish. Can be used with 24 tooth and Smaller Front Sprockets. Ready for Enamelling. Ea. 25c.

CHAIN GUARD



No. 44

Sheet Steel, Smooth Finish, for 24 tooth and Smaller Sprockets. Ready for enamelling,..... Each, 50c.

STEEL BALLS

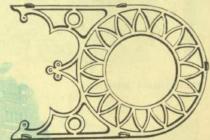


Made of the finest cast steel, best finish and most accurate; done up in 100 lots only; less quantities at list price net.

3 inch diam. \$0.15 0.18 0.20 0.30 0.30 0.38 0.65 per 100.

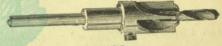
Prices on application for larger sizes and quantities. Also for 2nds suitable for agricultural and machine work.

SPROCKET GUARD



Aluminum, Polished Face, can be used with 24 tooth and Smaller Sprockets. Each, 60

RIM COUNTERSINK AND DRILL



This will drill holes for any style wished, and is made of the highest grade steel. Each, 80c.

OILERS







50c.











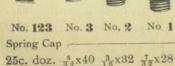
No. 124 Helmet.



No. 121

Oil Hole Covers assorted sizes

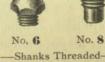




50c.



50c.



7 x 28

80c.



1 x 26

35c.



1 x 26

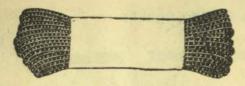
40c.





60c.

LACING CORD



Voven Mohair in Hanks, 72 yards each, black, yellow, ruby, brown, or mixed black and yellow, black and ruby, ruby and yellow. Per Hank 40c.

-ply Twisted Silk in Hanks, 18 yards each. same colors... Per doz. hanks, \$2 50; per hank, 25c.

-ply Twisted Silk in Hanks, 18 yards each, same colors... B repries \$1.50; per hank, 15c.



Woven Mohair in Hanks, 18 yards each. Boxes of 12 hanks, assorted colors.

Per box.....



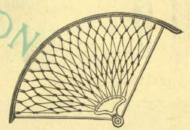
Detachable Lacing Clip allows dress guard to be taken off without removing axle nut.

Per doz. pair \$2.25 Per pair 0.25



Dress Guard with Hooks at top to fit into eyelets of mud guard, with detachable lacing clip No. 1. Silk, all colors.

Per set......70c.



No. 3

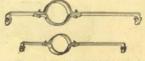
Dress Guard with Hooks at top to fit into eyelets of mud guard with plain lacing clip. Mohair, all colors.

Per set45c.



Separate Lacing Loops. Made from bright steel stamping, nicely nickeled. Fits over a \(\frac{3}{8}\)" axle.

Per pair.....



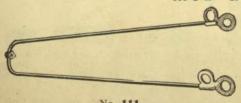
Cut shows one complete set.

Chain Guard Braces. Bright steel, nicely nickeled.

No. 11 Per set, 25c. No. 12

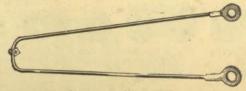
In set No. 11 the long brace is about $7\frac{1}{4}$ " long. In set No. 12 the long brace is $8\frac{1}{2}$ " long. In both sets the short, or rear brace is about $5\frac{1}{2}$ " long. Every set is wrapped in a separate paper with screws and nuts in an envelope.

MUD GUARD BRACES



No 111

Made from bright steel, all parts well nickeled. This brace has two loops, one to go over axle, one for lacing cord, both loops in one piece. Our special design, and a favorite. Correct length for 28-inch wheels.



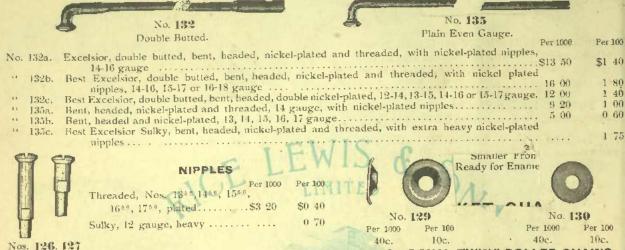
No. 112

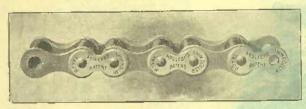
Made from bright steel, all parts nickeled. The eyes of this brace can be unscrewed from the wire. Correct length for 28-inch wheels.

Each20c.

SPOKES

Excelsion Needle Company's Selling Agents





APPLEBY'S "ROYAL TWIN" ROLLER CHAINS

TOP VIEW

The side plates are prevented from catching upon the apex of the tooth of the wheel, which occurs with the ordinary form of Twin-Roller Chain when run too slack.

In addition to the above improvements the chains are fitted throughout with our celebrated patent, immovable, pen-steel bushes, which effectively prevent rotation of the rivets, thereby reducing elongation to a minimum.

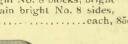
No. 200. Sizes, $\frac{3}{10}$ and $\frac{1}{4}$ in., 57 in. long....each, \$2 25

INDIANAPOLIS CHAINS



		- 3
No. 202. 15 in., with stra	w tempered H blocks, hard rivets, top polished blued B sides, 57 in. longeach, \$1	90
· 203. ¼ · ·	IL II ALLERY AND A CONTRACT OF	20
" 204. 18 in., with stra	w tempered polished B blocks, hard rivets, all polished blued B sides, perforated and	30
chamner.	1 57 in long	00
" 212. 3 in., with stra	w tempered polished B blocks, hard rivets, all polished blued B sides, perforated and	40
channer	ed 57 in long, silver steel	40
" 912 16 in with street	w tempered polished B blocks, hard rivets, all polished blued B sides, perforated and	95
champer	ed, 57 in. long, silver steel	20 5
No. 105. 3/4 in. with brigh	t No. 8 blocks, bright	
rivets and plai	n bright No. 8 sides,	

57 in. longeach, 85c.







No. B Blocks. \$1.00 ,20



No. 8 Sides. 40c. 10c.



No. B Sides. 40c. 10c.



Nos. 8 and B Rivets. Bolts and Nuts. 30c.

10c.



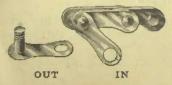
\$1.40

.25

Nuts. 70c. per 100

10c. per doz.

BALDWIN CHAIN-BOLT



Baldwin Chain-Bolt removes the only point at which a screw driver is necessary on a bicycle. It is easily turned round with the finger, and is secured by being snapped over the head of the other rivet.

Patented Link and Lock Bolt.

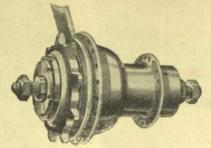
Per dez....75c. Each 8c.

Screws for same and No. 202-204 Chains.

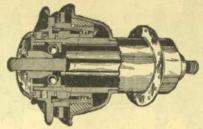
Per 10075c. Per doz.20c.

HUBS

MORROW COASTER AND BRAKE



Outside View.

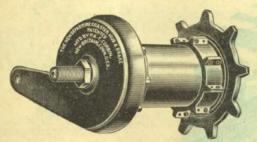


Interior View.

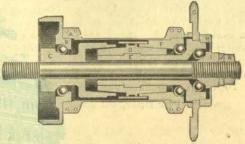
This Coaster and Brake is inside Hub, machine can be run back or forward when rider is off wheel, only light pressure is required to put on Brake, and no continuous strain after applied. Perfect control of wheel at all times.

Hub complete, 8 or 9 tooth sprocket with set spokes Each \$9.00

NEW DEPARTURE AUTOMATIC COASTER AND BRAKE



Outside View.

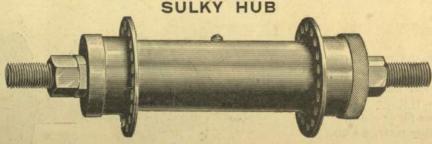


Interior View.

With this Coaster and Brake the rider has Perfect control of the wheel at all times—Consequent reedom from accidents—One third less pedaling—A tight pedal and a free wheel—No strain on himself or nachine when braking—Sprocket, chain, and pedals at rest when coasting—No danger of losing pedals—nstant response in time of need—No trundling of wheel down any hill a horse can descend—Feet on the pedals at all times—No back-lash or lost motion.

ITS OPERATION

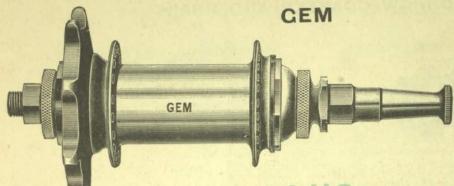
The driver E carries the cone D. When the rider pedals ahead, the rear sprocket G turns the driver E, which, by means of a thread, forces the cone D into contact with the driving clutch F, which forms a part of the hub, and the wheel rotates. The connection is instantaneous and positive. In coasting the rider simply holds his feet still upon the pedals, and the cone D moves back along the driver to the center, when the wheel revolves freely, the driving mechanism being released. A slight backward pressure drives the cone into the braking clutch C, which is fastened to the frame by the arm shown in figure 1, and the friction of the cone in the clutch retards or stops the wheel as the rider desires, and with a very slight pressure.



No. 1003.

Made from solid bar, cups and cones turned from best cast steel, and accurately ground. Latest improved pattern. Flanges over Bearings. Per pair, \$4.00.

HUBS



Balls Stay in When Axle is Removed.

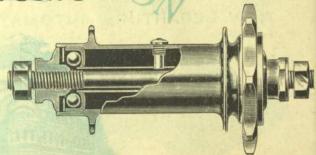
No. **999.** "Gem," turned from solid bar, cups and cones dust proof and made from special cone steel, fitted with ball retainer, has a reservoir of oil, in which the balls constantly revolve, chain line $1\frac{1}{2}$ " or $1\frac{5}{8}$ ", sprockets 7 to 12 tooth for $\frac{3}{16}$ " chain.

Per pair, \$3.00.

THOMPSON'S

No. L-6. "Thompson's" fitted with Ball Retainers and Tubular Oiling Device. Thoroughly upto-date in every particular. Cups and cones carefully and accurately ground. Shell turned from solid bar. Best material. Handsomely plated. With 9 ¼" balls. Distance between Fork Ends, $4\frac{5}{8}$ "; from centre of hub to centre of sprocket, $1\frac{5}{8}$ ". Fitted with 7, 8, 9 and 10 tooth sprockets, suitable for $\frac{3}{16}$ " chain.

Per pair, \$2.00.



THE LEADER

Balls Stay in When Axle is Removed.

No. **998**. "Leader" made from bar steel, cups and cones turned from special cone steel, accurately ground, chain line $1\frac{1}{2}$ " or $1\frac{5}{8}$ ", sprockets 7 to 12 tooth for $1\frac{5}{8}$ " chain.

Per pair, \$2.25.

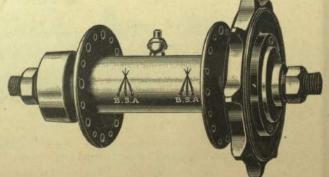
B.S.A.

No. 99. "B.S.A." Standard Pattern, road or race hubs, $1\frac{5}{8}$ " or $1\frac{1}{2}$ " chain line for $\frac{1}{4}$ " chain.

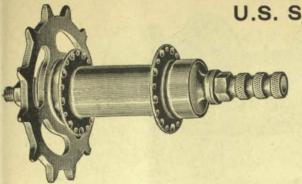
Per pair, \$4.00.

No. 100. "B.S.A." Barrel Pattern, road hubs, 15" chain line for 1" chain.

Per pair, \$6.00.



HUBS U.S. SPECIAL



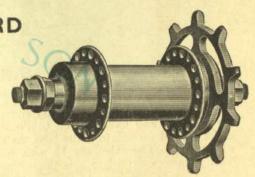
No. **996**. "U.S. Standard" turned from bar, cups and cones turned, hardened and ground, dust proof bearings, finest grade nickel-plating, sprockets 7 to 12 tooth for $\frac{3}{16}$ " chain.

Per per, \$2.20.

U.S. STANDARD

No. 997. "U.S. Special," steel shell, pressed cups, cones turned, dust proof bearing, sprockets 7 to 12 tooth for 18" chain.

Per pair, \$1.75.



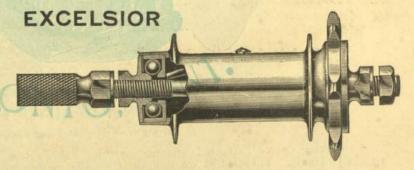
WORLD

No. 1002. "World," made from solid bar. Good hub at low price.

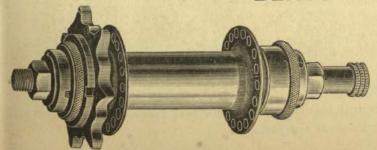
Per pair, \$2.00.

No. 1001. "Excelsior," made from solid bar, cups and cones turned from best cast steel and accurately ground, chain line 15", sprockets 7, 8, 9 or 10 tooth for 36" chain.

Per pair, \$2.35.



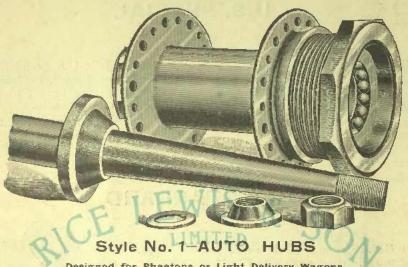
BEATS ALL



No. **1000**. "Beats All," made from solid bar, cups and cones turned from best Cast Steel and accurately ground, new device for oiling hubs at both ends, chain line $1\frac{1}{2}$ " or $1\frac{5}{8}$ ", sprockets 7, 8, 9 or 10 tooth for $\frac{3}{16}$ " chain.

Per pair, \$2.65.

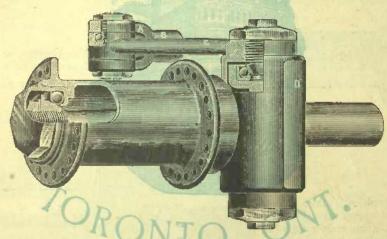
AUTOMOBILE HUBS



Designed for Phaetons or Light Delivery Wagons

The Wire Auto Wheel has come to stay, owing to the many advantages offered. Our Auto Hub are designed and have proven to be as easy running as any bicycle hub. The cups, cones, axles an shells are all turned from the best material obtainable. These hubs will carry a gross weight of 5,000 lbs with safety. The axles are 1\superatorname{3} with 6-inch stub. Distance between flanges 4 inches for both front an rear. Flanges drilled to suit requirements. We furnish hubs, less sprockets.

Can furnish sprockets extra if desired, cast of crucible steel.



Style No. 2-AUTO HUBS

For Light Automobiles and Runabouts

Steering device (patented) attached to front hubs. Rear hubs in either ball bearing or stationar attached to axle. These hubs are somewhat smaller in diameter than our No. 1 Hub.

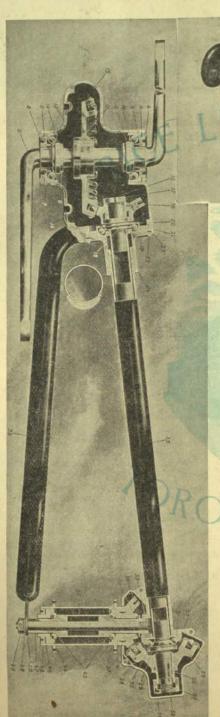
DESCRIPTION—(a) Connecting link; (b) Boss to connect with the main or cross rod; (c) Steering lever, in one piece with the body of the steering knuckle; (d) Dust shield for the steering knuckle; Bearing in both front and rear hubs, $\frac{5}{2}$ inch; Bearing in knuckle, $\frac{1}{4}$ inch; Bearing in connecting link, $\frac{5}{16}$ inch; Axles 1-inch, with 6-inch stub; Width C to C, flanges 4 inches; Diameter of barrel, $2\frac{1}{4}$ inches; Diameter of flanges, $3\frac{3}{4}$ inches.

CARRIAGE HUBS

Same diameter shell as No. 2 Auto Hub, ball bearing, axles 1-inch, best material, strictly high grad-Price on application.

BULLIS BALL GEAR

CANADIAN SELLING AGENTS

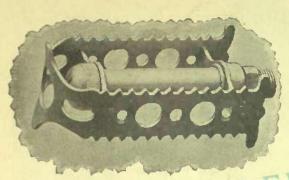


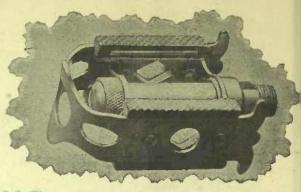


Gear complete with fittings as above, nickelplated hub, cranks, cups, cones, etc...\$40.00 Set of fitting to make complete frame with gear, N.P. hubs and cranks... Per set \$45.00

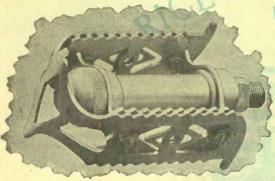
This gear resembles the bevel gear in appearance, inasmuch as one of each intermeshing pair of gears is supplied with a fixed involute tooth, which differs largely from the bevel gear, from the fact that it has been so designed as to secure a rolling line of contact with the ball in the intermeshing gear its entire length. The teeth are accurately generated and are theoretically correct, being carefully hardened and ground. There is absolutely no lost motion, no grinding or jumping in operation. The machine's instant response to all power applied is manifestly apparent. intermeshing gear is equipped with a series of balls which have been substituted for the regular tooth, mounted upon hardened and ground pins, and revolve upon their axes, which are properly supported at both ends. We have designed a set of necessary fittings to be used in connection with this gear, which make it absolutely dust-proof. (See cut as above). We have machines in use that have been ridden thousands of miles and aside from the bearing surfaces of the teeth being highly polished show no signs of wear.

DIAMOND PEDALS

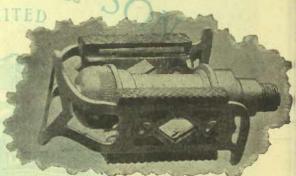




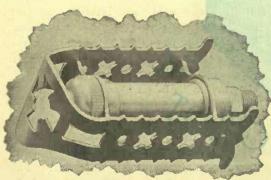
No. 220, Gents' Rat Trap. Per pair, \$1.00 No. 221, Gents' Combination. No. 222, Ladies' " Per pair, \$1.30 41 1.30



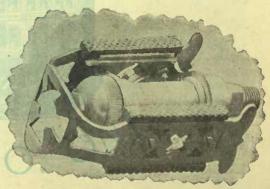
No. 214, Gents' Race. Per pair, \$1.80 No. 212, "Double Plate." 2.00 Per pair, \$1.80



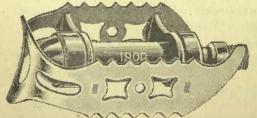
Per pair, \$2.00 No. 210, Gents' Combination. 2.00 No. 206, Ladies'



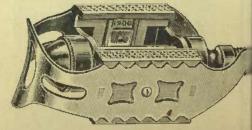
No. 208, Gents' Rat Trap. Per pair, \$1.80



No. 216, Gents' Combination. Per pair, \$2.00 2.00 No. 218, Ladies'



No. 228, Gents' Rat Trap. Per pair, \$0.90 No. 224, " Combination. " 1.10

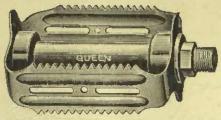


No. 225. Ladies' Combination. Per pair, \$1.10

NIAGARA

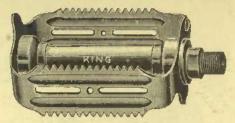
PEDALS

PEDALS



lueen—Gents' Rat-trap, wide continuous Band Frame, large Barrel, dust-proof Bearing with 10 36" Balls in each end, casily adjustedPer pair \$1.60

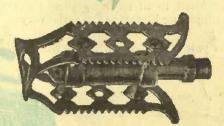
Queen—Gents' Combination, with Interchangeable Rubber................Per pair 1.85

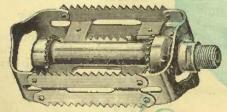


King—Gents' Rat-trap, same construction as Queen, only narrower Frame Band, Smaller Barrel, and 15 \frac{1}{6}" Balls... Per pair \$1.50

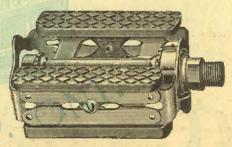
King—Gents' Combination, with Interchangeable RubberPer pair 1.75



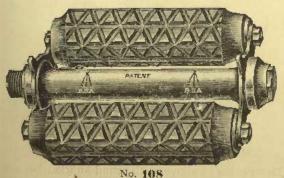




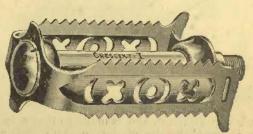
3anner—Gents' Rat-trap Per pair \$1.10
" Combination " 1,85



Banner-Ladies' CombinationPer pair 1.85



B.S.A.—Ladies' or Gents' Rubber ...Per pair \$4.00 Pattern, Gents' Rat-trap...... " 1.00



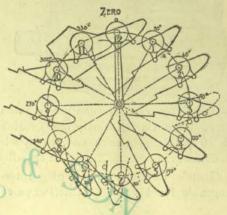
PEDALS



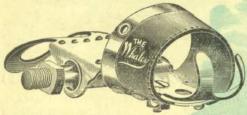
S and G Combined Pedal and Toe Clip.

Has full, flat bearing for the foot, the leather top can be adjusted to fit any size shoe, the rear projecting lip makes the pedal very easy to catch.

Per pair\$2.50



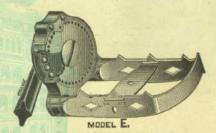
Clock Diagram, showing under swing, with perfect ankle motion obtained by use of Ramsey Swinging Pedals.



Whaley Adjustable Stirrup Pedal

Pedal and base of clip in one piece; the leather top, which is held in shape by metal spring on face of clip, is adjustable to fit any size shoe; fitted with tripper, which enables pedal to be caught instantly.

Per pair\$2.50



No. E Ramsey Swinging Pedal

Has a forward or under swing (as per motion above).

This is caused by the pivotal point being above the tread. The ordinary pedal has a backward or over swing. This is caused by the pivotal point being below the tread.

Per pair\$4.50

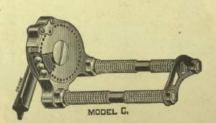
Toe Clips for same, per pair 0.50



The "Professional" Pedal

Has toe clip attached, and is made so that only one side is used, thereby giving an extra clearing above the ground of nearly one inch more than ordinary pedals.

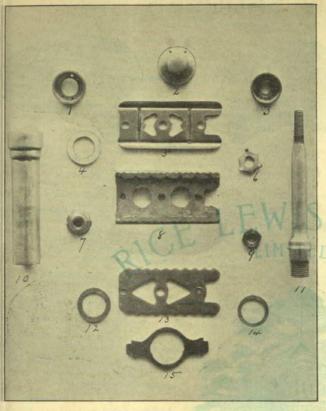
Per pair\$1.75



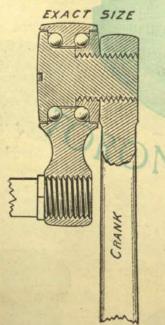
No. C Ramsey Swinging Pedal

Description as above, with round knurled bars.

Per pair	 	\$4.50
Toe Clips for		0.50



Jointed Attachment for Cranks



The best and most useful invention on bicycles ever ade. Fits any bicycle. Weighs only 8 ounces. Far tter than any swinging pedal. Much lighter. Do not ok clumsy. Less cost. Strong, durable, well nickeled.

Price.....per pair, \$1 20

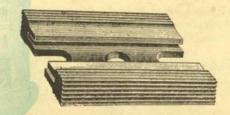
Pedal Parts

No	. 1.	Large cupeach, \$0	12
66		Dust cap "	18
66		Small cup "	8
66	4.	Centre washer, leatherper doz.	24
66		Inside plate each,	7
6.6	6.	Lock washer for cone per doz.	44
66		Coneeach,	14
66		Rubbers per set,	30
44	9.	Axle washersper doz.	20
44	10.	Barrel and cross-bareach,	42
6,6	11.	Axle "	40
6.6		Outside dust washers	9
	13.	Steel side plates "	7
44	14.	Inside dust washers "	9
44	15.	Front Stretcher "	17
64	16.	Frames "	43
66	17.	Small bolts for rubber per doz.	14
66	18.	Small bolt for nuts "	10
		Large check nuts each,	9

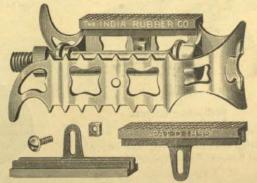


No. 20. Interchangeable Rubber Combination, to fit "King" and "Queen" pedals.

Sizes for ladies' and gents' pedals, per set. \$0 25



No. 21. Universal Combination Rubbers.
Snaps on; no bolts or screws; wi!l
fit almost any pedal.
Sizes for ladies' and gents' pedals, per set, \$0 25



No. 22. "India" Combination Rubbers, 8 pieces to set, with N.P. bolts. Per set, \$0.25.

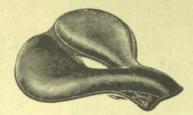
AMERICAN SADDLES



No. 56

Wheeler Special

Gents' Roadster, Wood base, Padded. Each, \$2.00.



No. 76

Hunt

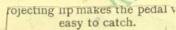
Gents', Wood base, Padded, best quality Leather top and bottom. Coil Spring. Each, \$1.60.



No. 77

Hunt

Ladies', same material as No. 76. Each, \$1.60.





No. 86

Wheeler Extra

Gents', Wood base, Padded with curled hair, best quality Leather top and bottom, Coil Spring.

Each, \$2.30.

With Spiral Spring, each, \$2.50.



No 46

Gents', Metal base, Padded, selected Leather top and bottom. Coil Spring. Each, \$1.20.



No. 47

Ladies', same material as No. 46. Each, \$1,20.



No. 108

Gents', Metal base, Padded, good Leather top and bottom. Truss Spring.

Each, \$1.00.



No. 107

Ladies', same material as No. 108. Each, \$1.00.



Wheeler Extra

Ladies', Wood base, Padded with curled hair, best quality leather top and bottom, Spiral Spring.

Each, \$2.50.



No. 98

Gents', Metal base, Padded, Truss Spring Each, 80c.



No. 97

Ladies', same material as No. 98. Each, 80c.

BROOKS' SADDLES



No. B 10 L

Ladies'.....each, \$2.80



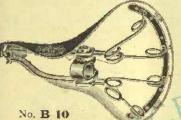
No. B 17

Track Racing......each, \$2.40



No. B 24 L

Ladies'each, \$2.40



Road Racingeach, \$2.80



Gents' Roadster.....each, \$3.25



No. B 28 L

Ladies'.....each, \$3.25



No. B 11



No. B 91

Track Racing......each, \$2.80 Hammock Roadster, each, \$4.25



No. B 93

Ladies' or Gents, patent double action spring, each, \$4.00



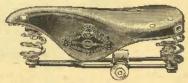
No. B 24-1

Light Roadster ..each, \$2.40



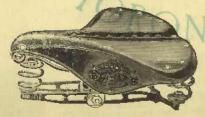
No. B 90

Hammock Roadster.....each, \$5.00 Ladies', with 3 coil springs,



No. B 302 L

each, \$2.80



No. B 40

Each..... \$5.00



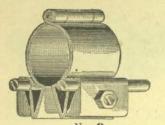
No. B 45

Each \$5.00

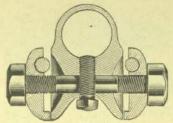
Nos. B 40 and B 45 are broad saddles with patent tensioned leather under-seat by which the body is supported and the peak left soft and unrestrained.

Springs for Brooks' Saddles, each, \$1.00; Spiral Springs for Brooks' Saddles, each, 40c.

SADDLE CLAMPS

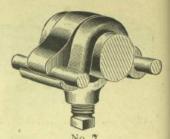


No. 9 Saddle Frame Clamp Each, 50c.



No. 5

For Upright T or L Posts, all wire springs. Per doz., \$4.00; Each, 40c.



Per doz	\$2.50
Fach	95



No. 6

For $\frac{7}{8}$ Flat Spring and $\frac{5}{8}$ Seat Post.

No. 572, size 1. " 572, " 2.

672,

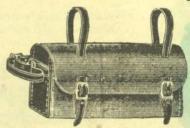


No. 1

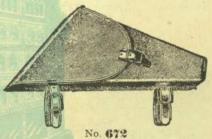


No. 3

TOOL BAGS



No. 572



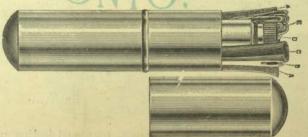
REPAIR KITS



4.

No. 218

Dunlop Repair Kit. Per doz., \$1.35.



No. 217

Midget. Per doz., \$1.35.



No. 216

Morgan & Wright single or double tube tire, quick repair outfit Each, 10c.

PARCEL AND BUNDLE CARRIERS

PARCEL CARRIERS

SCHOOL BAG CARRIER



No. I, per doz.....\$6.00





POCKET CARRIERS

PAT.
APPLIED
FOR

DEXTER Nº 3.

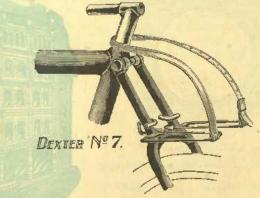
No. 3 clamps around the handle bars and holds the strap in place. Can be used on almost any part of bicycle. Springs are adjustable.

No. 3, per doz. paîr, \$3.60 " per pair35 This carrier is supplied with our spring clamp, same as on our No. 3 Carrier. The clamps prevent the bag from sliding together at the top, or slipping from side to-side on bar. Leather straps with nickel-plated trimmings.

Per doz. Each.

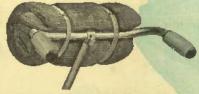
No. 5. heavy colored duck, size, 9x10x3 in... \$5.00 50c.

REAR LUGGAGE CARRIER



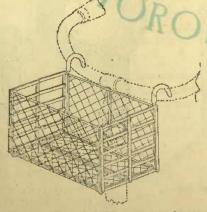
This carrier adjusts itself and will fit in rear forks of all bicycles. It is supplied with proper length straps and nickeled buckle. Just the carrier for cameras or any package or coat. No. 7, heavily nickel-plated, per doz., \$4.00; each, 40c.

ELASTIC CARRIERS



No. 162, per doz. pair, \$1.25; per pair, 15c.

Folding Wire Parcel Carrier



No. 161, Size, 6x6x10"....each, \$1.33
" 160, " 6x8x14"...." 1.65

Canvas Waterproof
Luggage Bag



No. 159, Size, 8 x 10". each, \$3.00 " 158, " 10 x 14". " 65, 4.00

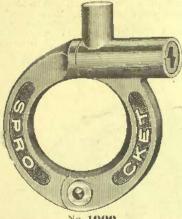
"Kozy" Child's Seat

No. 163. Each, \$2.25

No. 391

Aluminum Bronze, extra strong spring shackle, self-lockling, I key, nickel-plated steel chain, solid steel ring.

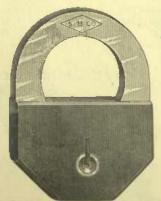
Per doz.....



No. 1000

Bronze Metal, 200 changes, self-locking, one key.

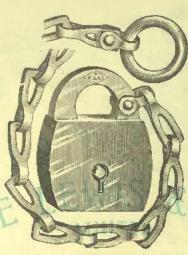
..... \$3.80 Per doz....



No. 135

Pressed Metal, brass interior works,

LOCKS



Bronze Mctal, self-locking, one key, nickel-plated chain.

Per doz.....\$2.90



No. 206

Security Lock, brass, nickel-plated, key fastens in lock when not in use.

Per doz.....\$3.20



No. 1300

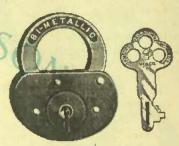
Bronze Metal, twelve changes, selflocking, one key.

Per doz......\$2.90



No. 8013 B

Yale, Bronze Metal, self-locking, two keys, all different, brass chain. Per doz\$16.00



No. 100

Yale Steel, self-locking, one key.

No. 100. Ivory Black Finish. Per doz.....\$1.75

No. 105. Nickel-Plated Finish. Per doz.....\$2.50

No. 104. Same as No. 100, with chain.

Per doz.....\$3.20

No. 106. Same as No. 105, with chain.

Per doz.....\$4.00



No. 102

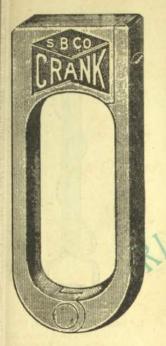
Yale Steel, self-locking, two keys,

No. 102. Ivory Black Finish.

Per doz......\$2.60

No. 103. Bronze Finish. Per doz...... \$2.60

LOCKS



No. 1200

Bronze metal, plated, 200 changes, self-locking, one key.

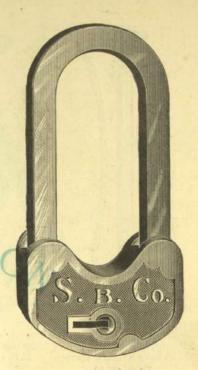
Per dozen, \$4.00



No. 37

Aluminum, spring shackle, self-locking, flat key, all different, weight \$\frac{1}{8}\$ oz.

Per doz., \$8.00



No. 1400

Acme Crank Lock, bronze metal, self-locking, one key. Per dozen, \$2.80

MUD GUARDS

No. 182

Rubber band mud guard for front and rear wheel. Per pair, \$0.50

CYCLIST'S KNIFE

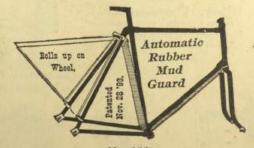


No. 95800

3½" Aluminum handle, large spear blade, turn screw and tire detacher.

Per doz., \$10.00; Each, \$1.00

MUD GUARDS

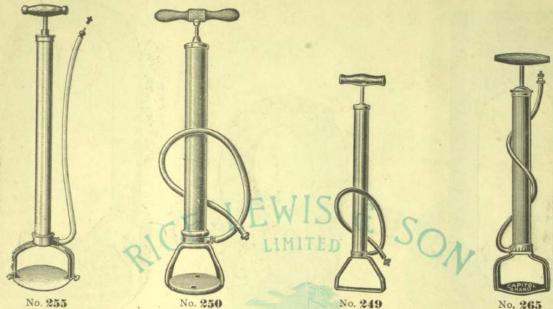


No. 187 Each, \$1.00



No. 184 Ladies' Gem Strip Each, \$0.40

PUMPS



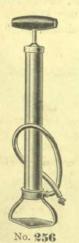
22" long, 1 1/2" diameter, Brass N.P. cylinder, cast stirrup. Each, \$2.10.

20" long, 2" diameter, Brass N.P. cylinder, cast stirrup. Each, \$4.40.

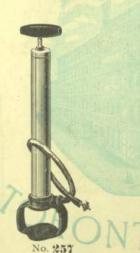
12" long, 11/4" diameter, Brass N.P. cylinder, wrought stirrup.

Per doz., \$5.20; each, 45c.

12" long, 11/4" diameter, Brass N.P. cylinder, cast base, patented expander plunger. Per doz., \$6.40; each, 55c.



12" long, 11/2" diameter, drawn steel, N.P. cylinder, cast base Per doz., \$8.40; each, 75c.

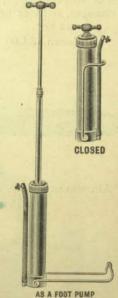


12" long, 1½" diameter, Brass N.P. cylinder, cast base. Each, 90c.

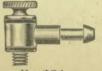
No. 264



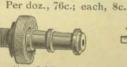
12" long, 11/4" diameter, N.P. Brass cylinder, cast base. Place spout over valve, press down with foot and connection is made. Each, 60c.



No. 266 Giant Folding Pocket, Foot or Hand Pump. Each, 65c.



No. 264 Right Angle Pump Connection. Per doz., 90c.; ea., 10c.



No. 263 Swivel Nipple A and K combined. Per doz., 60c.; ea., 8c.



No. 260 A-Swivel.

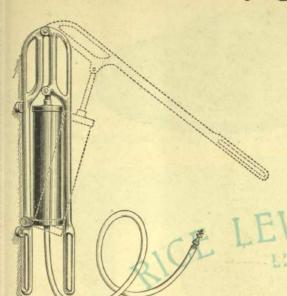


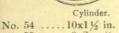
K-Nipple Per doz., 60c.; ea., 10c. Per doz., 30c.; ea., 5c.



No. 262 Hand Pump Nipples. Per doz., 30c.; ea., 5c.

PUMPS

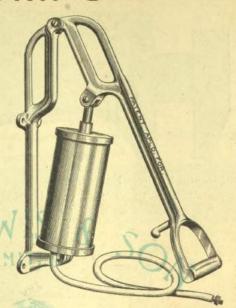




" 55..... 8x2

Capacity.

17 cubic in... each, \$2.40



Cylinder. Capacity.



No. 258. Hand Pump. Per doz. \$1.65 Each 0.16



Rubber Pump Tubing.



Pump Suckers. Hand pumps, per doz ..12c. Foot pumps. 11/4 11/2 2" Per foot......8c. Per doz.... 30c. 35c. \$1.00



Steel Pump Clips. Per pair10c,

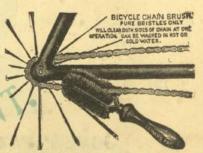


Automatic Cut-off Valve. Each, 60c.

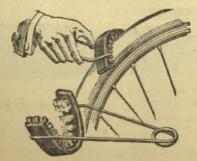
CHAIN CLEANING BRUSHES



No. 140. Single row 2.50 " 141. Double row...



No. 142. Per doz., \$2.00; each, 20c.



No. 143. Per doz., \$3.00; each, 30c.

TIRE CLEANING BRUSHES

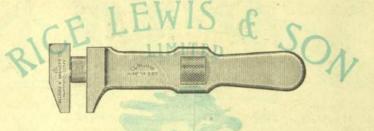


No. 144. Per doz., \$4.00; each 40c.

WRENCHES



					-		Per Doz.	Each.
No.	94.	44-inch,	B. and S.	Drop	Forged,	black	\$10.10	\$1.00
" 4	91.	41 "	16	66	66	nickel-plated	11 95	1 15
		3					11.20	1.10

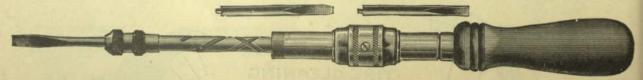


							black		
66	196.	6	66		- 11	46	***	13.50	1.35
**	591.	5	**	**		10	nickel-plated	11.25	1.15
4.6	691.	6	4.6	14					1.65



		Drop Forged,	black	\$10.10	
" 791.	5 " "	2" "	nickel-plated	11.25	1.15

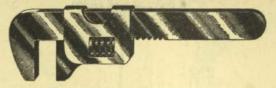
JONES' PATENT REVERSIBLE SCREW DRIVER



No.	1.	Length,	closed,	11- 10	inch;	open,	17-	inch,	with	three forged steel bitseach, two plain bits and one slotted bit	\$2.60
				HE ST			TO			two plain bits and one slotted bit	2.30

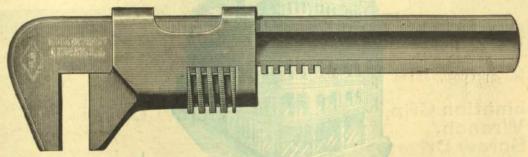
The No. 2 is suitable for use on the Spoke Nipples of bicycles.

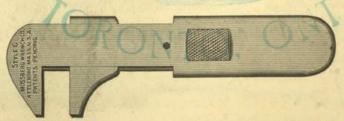
WRENCHES

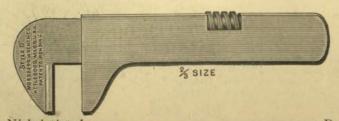


Drop Forged from a high grade of Steel, carefully tempered and highly finished.





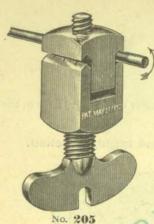




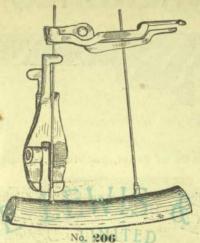
No. 199. Mossberg D, Nickel-plated..... Per doz., \$3.50; each, 35c.

Spoke Grips

Nipple Grips



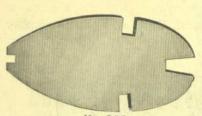
Double..... each, 80c.



Combination Spoke and Nipple Grip, blued...per doz., \$3.50; each, 35c.



"Perfect," blued.... each, 70c.



No. 203 "Pony," N.P., per doz., 75c.; ea., 10c.



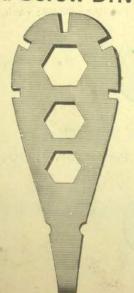
No. 202 Plated.....each, 15c.



The "Gem"

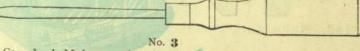
No. 201 Blued.....each, 35c.

Combination Grip, Wrench, and Screw Driver



Plated, per doz., \$1.80; ea., 20c.

Screw Driver



Standard, Mahogany handle, 2" blade.....per doz., \$1.00

Nipple Screw Driver

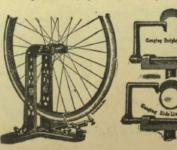


No. 200 5" over all.....per doz., \$2.50; each, 25c.

Wheel Truing Stand

Just what you need to repair and true up bicycle wheels.

Each, \$6.75.

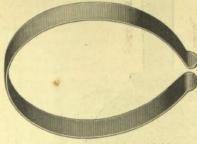




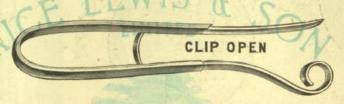
BELLS RDS

CORRUGATED

New DEPARTURE CYCLE GUARD



No. 229. Japanned.....per gross, \$2.60; per doz., 25c. o. 228. Japanned.....per gross, \$2.60; per doz., 25c.



lo. 230. Soliel, or French Clip, blued......per gross, \$6.50; per doz., \$0.70 8.00: " nickel-plated " 231.

CYCLOMETERS



The "Jockey"

Geared throughout. Action positive. No springs nor eccentric parts. The registering is absolute. It cannot be re-set.

What is the good of a cyclometer whose mileage can be changed at will? You want one whose record you can bank on.

Made and warranted by the New England Watch Co.

No. 167, each............\$0.80



EXACT SIZE

The New Departure

Non-corrosive, dust-proof, water-proof, simple, strong mechanism, giving direct and positive motion; without springs, ratchets, pawls or other cumbersome and intricate parts, thus forming the smallest, lightest, and at the same time the most durable Cyclometer in existence. No soft metals employed in its construction, every part being made either from hard brass or best nickel silver, which insures durability with lightness. Records 10,000 miles and repeats. Guaranteed by the New Departure Bell Company.

No. 166, each, 80c.; per doz., \$9.00

U.S. Trip

Registers 100 miles by tenths, and can easily be set to '0" at any time to record any journey.

The total registers up to 10,000 miles, and keeps a per-ect record of the season's nileage.

The new spoke stud will not move on the spoke, but will always remain in its place.

OUR GUARANTEE.-Should the meter be damaged send to maker, with stamps, and he will return it in good order.

THE U.S. MFG. CO.,



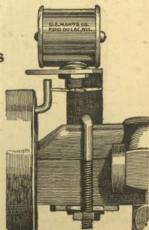
Trip Feature, with Improved Set-Back.

No. 169, each.... \$1.00

U.S. Odometer for Carriages

Registers 10,000 miles by tenths. The U.S. Odometer registers the distance traveled by a horse. Everyone who has a horse and carriage will be interested in this instrument. Liverymen, physicians, "speeders," etc., will find the "U.S." of great practical value. No one can guess with accuracy how far a horse has traveled. The "U.S." does no guessing. It tells the truth. In ordering state size of wheel.

No. 170, each, \$2.50



As it looks when Attached



No. 224

Perfect. Corrugated. Per doz. \$0.70 Each 0.10



Nip

No. 223

Zenith. With stand, plated. Per doz.\$1.10 Each..... 0.10



No. 221

Star. Plated. Per doz \$0.70 Each



No. 225 Safety. Extension Spout, plated. Per doz. \$2.00 Each 0.20

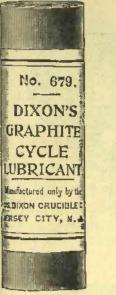


No. 219 Standard. Plated, small or large. Per doz......\$2.40 Each..... 0.25



No. 220 Magic. Plated. Per doz.\$1.00 Each...... 0.10

BELLS



No. **679** Per gross, \$10.00 " doz., 1.00



Per gross, \$5.00 " doz. 0.50



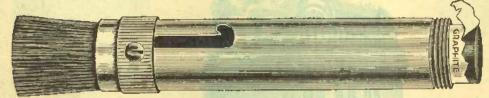
No. **692** Pergross, \$10.00 "doz ... 1.00



No. 267 Per gross, \$4.00 doz. 0.40



No. **254** Per gross, \$9.00 doz. 0.80





Brush and Graphite.....each, 20c.
Brush and Repair Kit " 30c.



No. 3 3-oz. bottles. Per doz.....\$2.40 bottle.... 0.25



No 265

Gross lots only		\$4.80
Per doz		
16		1 00



No 4

Per doz.....\$2.20 Each 0.25

ECLIPSE CHAIN LUBRICANT



No. 160. Graphite, 2-oz. sticks in tin foil.

Per gross, \$2.75; per doz., 25c.

No. 161. Glase Mica, 2-oz, sticks in tin foil.

Per gross, \$3.20; per doz., 35c.



Metal Polish. Per doz., 50c.; each, 5c.

Nipi



Electric Stroke

Per Doz. No. E 91/2. 13/4" Gong\$5.00 6.00 " E 71/2. 2" " E 51/2. 21/2



Electric Stroke

Per Doz. No. E 3½, 2¾" Gong\$12.00



Electric Stroke

Per Doz No. E 6½. 2¾" Gong\$9.50



Electric Stroke

No.	E	9. 7.	134" Gong 2" " Double Stroke	. \$5.60 . 6.50
44	D	8.	1¾" Gong	470
			2" "	5.35



Double Stroke

		Per Doz.
No. D 814.	134" Gong	\$4.25
" D 61/2		5.10



Fleur De Lis

No. 1126. Electric Stroke, 2" Per Doz. Gong..... \$ 8.00 " 1125. Push button, continuous ring 2" Gong 15.00

CONTINUOUS RING



Push Button

							. 3	ter	Dog.
No. 4	115.	2" Gong	* 1					\$1	1.00
		214" "							1.00



Push Button

								Per Doz.
No.	425.	2" Gong		20	×		×	\$12.00
		214","						



Push Button

(Rotary Movement Non-Revolving Gong) No. 150. Screw Clamp, 134" Per Doz.

BELLS



Electric Stroke

				Per Duz.
No.	211.	13"	Gong	\$2.40
1.1	212.	2"		3.00
	•	ouk	le Stroke	
4.6	111.	$1\frac{3}{4}$ "	Gong	2.50
46	110	On	41	9.70



Electric Stroke

	7 7 10	rer Doz.
No. 311.	14" Gong	\$3.00
" 312.	21" "	3.60



Electric Stroke

						Per Doz.
No.	311	В.	$1\frac{3}{4}$	Gong	g	\$3.20
64	312	В.	21"	46		3.80



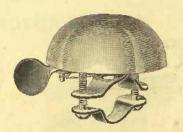
Electric Stroke

				Per Doz.
No.	321.	13"	Gong	\$3.50
6.6	322.	21"	46	4.00



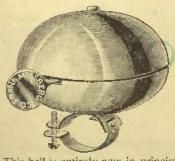
Electric Stroke

			Per Doz.
No.	321 B.	13" Gong	\$3.70
61	322 B.	21" "	4.20



Single Stroke

				Per Doz.
No.	S	4	 ,	 \$1.60



This bell is entirely new in principle and design and has less number of parts than any chime bell made. Action is reversible for either right

or left hand.

Each stroke produces two clear and distinct tones.

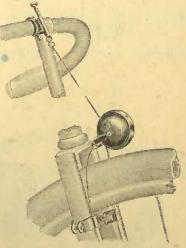
No. 10. Double stroke, 2½" Gong \$6.50 " 12. Electric stroke 21" Gong 11,50



Single Stroke

Per Doz.

No. 141, 21 and 23 Gong \$1.20



Tire Bell, Continuous Ring

No. T 9. 2" Double Gong with spring push \$6.00

BELLS

DECORATED



Electric Stroke

No. 223. 2" Gong.



Continuous Ring

No. 514. 2" Gong. \$12.50.



Continuous Ring

No. 524. 2" Gong. Per doz\$13.00.

AUTOMOBILE BELLS



Rotary

No. F-63. 8½" Bell Metal Gong, nickel trimmings, enameled case.

Each ... \$3.75.



Double Stroke Chime

No. F-95. 3½" Bell Metal Double Gong of different tone, all nickel plated.

...... \$9.00.

TIRE WHISTLE



Cycle Whistle

No. 228. Double action, whistling at each end. Can be attached to any bicycle. 11" diameter, 21" long. Each \$1.33.

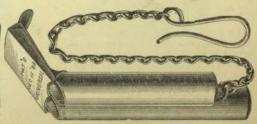
WHISTLES



No. 225. Echo Call. Per doz., \$2.20.



No. 216. The Develine Whistle. Per doz., \$1.50.



No. 227. Universal Whistle. Per doz, \$2.40.

TOE CLIPS



THE WHALEY ADJUSTABLE BICYCLE STIRRUP

No. 417. Is adjustable to all sizes of shoes without losing shape or strength. Will not may the shoe or bruise the foot. Made of water-proof strap leather, Russet finish. The metal parts are spring steel polished nickel-plated finish.

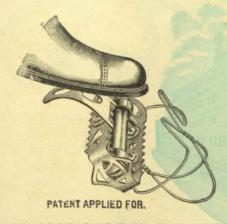
Per doz. pairs, \$4.80. Per pair, 50c.



THE S. & G. ADJUSTABLE TOE CLIP

No. 406. The S. & G. Adjustable has a onepiece cover, and can be quickly changed to fit a large or small foot. The cover spring is the strongest form that can be made, and will stand without injury any ordinary usage. Will not injure the finest shoes.

Per doz. pairs, \$4.80. Per pair, 45c.



HANDY FOOT GUIDE OR CLIP TRIPPER

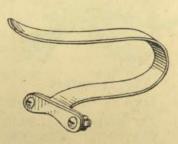
Makes it doubly easy to insert the feet into any toe clip. Made of spring steel, nickel-plated.

Per doz. pairs, \$1.65. Per pair, 15c.



No. 419. Nickel-plated, polished, hardened steel, round edge. Attaches to centre-bar of pedal.

Per doz. pairs, \$2.00. Per pair, 25c.



No.¶ 410. Nickel-plated, polished, two bolts.

Per doz. pairs, 80c. Per pair, 10c.

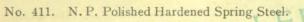


No. 413. Nickel-plated, polished. Per doz. pairs, \$1.50. Per pair, 15c.

TOE CLIPS



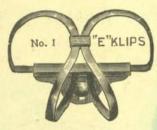
Holdfast





John Bull

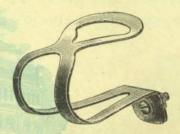
No. 412. N. P. Hardened Steel, Round Edge, two bolts.



"E" Klips

No. 408. N. P. Polished, Smooth Edge, adjustable in width to fit any shoe, will not mar shoe. Extension over pedal plate keeps clip from turning sideways.

Per doz. pair.....\$3.00 Per pair.....\$3.00



Scorcher

No. 415. N. P. Polished, Hardened Steel, Round Edge. Fits any shoe.

Per doz. pair..... \$1.75 Per pair 20



Pacer

No. 418. N. P. Polished, Hardened Steel. Top piece curved to conform with shape of shoe.

> Per doz. pair..... \$2.00 Per pair25

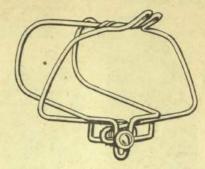


Kumfurt

No. 404. Same as "Pacer," with two bolts.

Per doz. pairs......\$2.50

TOE CLIPS

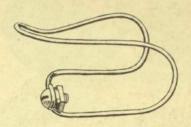


Design Registered

Adjustable Wire Basket Clip

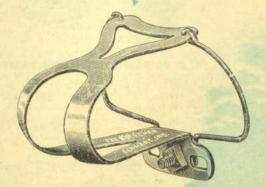
This Clip presents a flat surface for the foot, and bolted on the inside of the pedal, does not roll.

No. 201. N. P., per doz. pair, \$1.80; per pair, 20c.



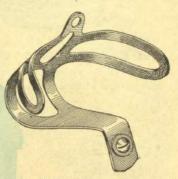
Single Bolt

No. 205. N. P., Wire Clip, per dozen pair, \$1.00; per pair, 12c.



No. 407. N. P., Polished Hardened Steel, with wire side guard.

Per doz. pair... \$1.86 Per pair 20



No. 416. N. P., Polished, per dozen pair, \$2.80; per pair, 30c.



No. 414. N. P., Polished, $2\frac{1}{2}$ or 3" wide, per doz, pair, \$2.50; per pair, 25c.



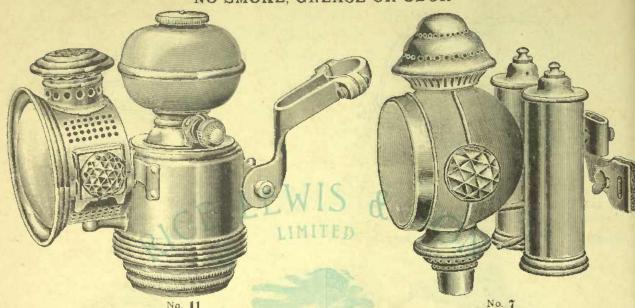
No. 409, A, for ladies, 2½", B, small men's, 3",

C, medium men's, 34",

D, large men's, 3½".

ACETYLENE GAS LAMPS

NO SMOKE, GREASE OR ODOR



"M. & W. IMPROVED" GAS LAMP

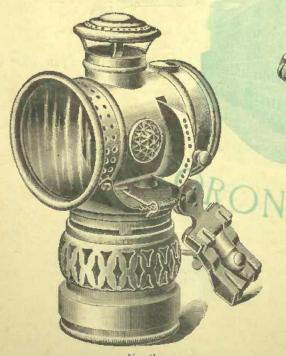
IMPROVED AND BROUGHT UP-TO-DATE. New in everything but design. And with our new "Duplex Bracket" it has few equals as a medium priced lamp.

Price, each, \$3.00.

M. & W. "LOCOMO" GAS LAMP

FOR CARRIAGES AND MOTOR VEHICLES. Built like our famous "Duplex," but of larger capacity, with half-foot burner. It works precisely the same as the "Duplex," and is the most satisfactory gaslamp for vehicles ever introduced.

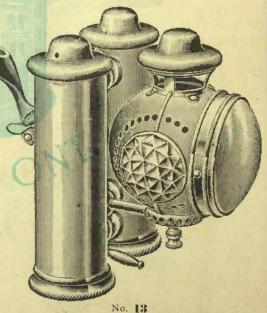
Price, each, \$10.00.



No. 8

Has rocker bottom carbide holder which makes it easy to remove same. Perfectly focused lens and reflector. Use loose carbide.

Price, each, \$3.50.

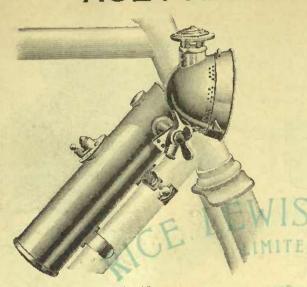


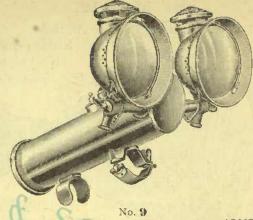
M. & W. "DUPLEX" GAS LAMP

IT'S DIFFERENT—New and Novel. Made on gas lines. Candle power, 175. Turns up or down, on or off. Automatic and mechanical. A cool lamp but a hot seller, in fact the very best gas lamp on the market at any price.

Price, each, \$3.75.

ACETYLENE GAS LAMPS





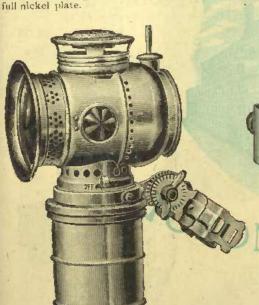
NEW DEPARTURE TWIN HEAD LIGHT

Has two burners, giving the most powerful light obtainable by any means. Each lamp is adjustable independently, so that any area or angle of light may be obtained.

Each......\$5,40

No. 10 NEW DEPARTURE Each

New Departure Lamps have automatic generator feed. Use loose carbide. No special form of charge required. Flame may be regulated while riding. Lamp may be adjusted to throw light at any desired angle. Lamp and generator separate, thus making a small lamp and insuring against explosions. Lamp finished in

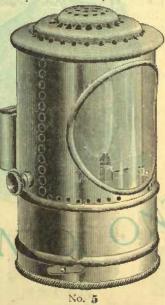


No. 6

BRECKENRIDGE

(New Model)

Special design. Non-carbonizing burner. Use loose carbide. Water, which is supplied at bottom of lamp, causes gas to ascend through the dry carbide, thus taking all moisture from gas. Has 21/2-inch double convex lens, perfectly focused.



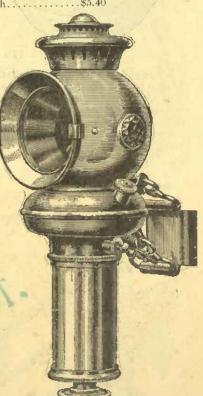
M. & W. " RAINBOW"

Without exception the best lowpriced gas lamp. It is our leader. Turn valve on full, the lamp runs itself—enough said.

Retail price, each\$1.60

CARBIDE IN SEALED TINS

1 14 lb. tins.. each, 20c. Price on application for cases of 2 dozen tins or bulk,



No. 12. Acetylene Lamp. THE SCHUMACHER

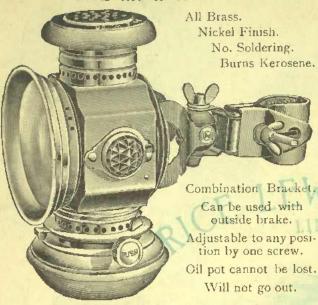
Is loaded with a cartridge like a breech-loading gun. Every cartridge guaranteed to burn with a clear, even flame. Safest, cleanest and quickest lamp to operate on the market. A combination of simplicity and perfect

action. No. 12. Lamps, with 3 cartridges.

Cartridges for No. 12 Lamp. No. 14.

OIL LAMPS

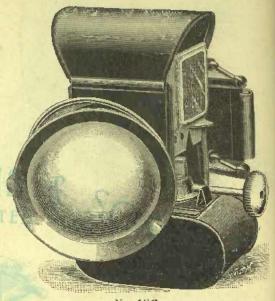
THE M. & W.



No. 178

The M. & W. Patent Reflector is the only reflector which can be removed complete, for cleaning or polishing, through the lens opening. Simple construction, air-tight and secure. No springs or wires. The double convex lens is large and powerful, throwing a white, bright, steady light over 100 feet.

Each \$2.25



No. 186

Has $2\frac{1}{8}$ Double Convex Lens, Plated Cone Front and Reflector, Detachable Oil Reservoir, Nickel-plated Wind-up Burner, etc.

Japanned, each \$1.00

LIGHT WEIGHT



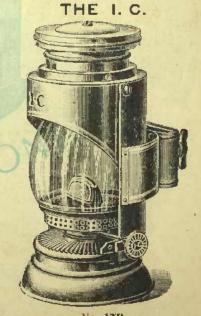
No. 177

Spring Back, Improved Design, Side Per doz \$1.70 Lights, Burns Kerosene Oil only, Nickel-plated.

Each ... \$1.20



Standard Lamp Oil.

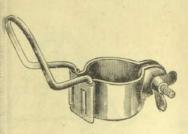


No. 179 (One-Half Actual Size).

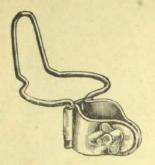
All Brass, Nickel-plated, no Soldering, all parts riveted, won't blow

or jar out.

LAMP BRACKETS



No. 179
Standard
Bracket for Head, lined and N.P
Per doz., \$1.85; each, 15c.

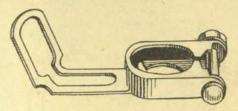


No. 185

Brake Bracket

For Head, lined and N. P.

Per doz., \$1.50; each, 20c.



No. 76

Head Lamp Bracket and Bolt
N. P.

Per doz., \$1.00; each, 10c.



No. 177

Nickel-plated sheet steel Bracket
for Axle,
Per doz., 40c.; each, 5c.

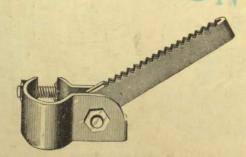


Fork Bracket
Reversible. Fits any Fork, N.P.
Per doz., \$1.80; each, 20c.



No. 180
U. S. Detachable Bracket, for Axle, N. P.
Per doz., \$1.00; each, 10c.

COASTERS



No. 318

Folding Coaster, N. P., per doz. pair, \$3.00;
per pair, 25c.

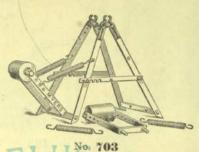


No. 319
Hercules Coaster, N.P., per doz. pair, \$1.80;
per pair, 20c.

BICYCLE STANDS

MYERS'-THE ONLY PRACTICAL EXHIBITION STANDS ON THE MARKET. ALLOWS THE PURCHASER TO MOUNT THE WHEEL



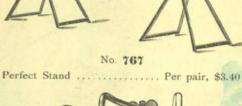




Home Trainers, complete, each, \$1.70

Standseach, 85c.

Wheel Truing Attachment for Myers' Stands, each, 60c.



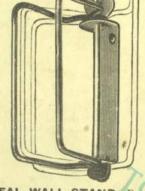




No. 740

One-half size Cut of Bicycle Locking Stand.

Each

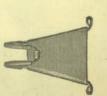


IDEAL WALL STAND Patented.

Adjusts at any angle by using thumb screw Each, 25c.



FLOOR.



Gem Top, Plain.



Gem Top, with Brace.



Gem Bottom.

	Covered v	vith rubber.	Covered wit	h leather.
GEM Tops, plain	Per Doz. . \$1.00	Each. \$0.13	Per Doz. \$1.20	Each. \$0.13
" with Brace		.16	1.46	.16
" Wire bottom, per	doz., 33c.; e	each, 6c.		

No. 274

Simplex Stand. Screws on wall. Drops down when not in use. Each 20c.

RUBBER SOL TIRES



RUBBER PATCHING SOLUTION

0 1 21/2 x 1/2" 4 x 3/4"

r doz., 20c.

ub

2	3 TI	4	5
1/4 pt.	½ pt.	pint.	qrt.
12c.	20c.	35c.	60c.

HEAVY CANVAS SOLUTION

No	10	11	12	13
	¼ pint.	½ pint.	pint.	quart.
Each	25c.	40c.	70c.	\$1.00

NOTE-Our Solution is done up in IMPERIAL MEASURE TINS

WOOD RIM CEMENT (for Cementing Tires to Rims)

D	14	20	21	22	23	24	25	28
	Bottles with	—TUB	ES-	2	United States	Wine	Measure-TINS-	_
	Swab.	21/2×1/2"	4x¾"	¼ pint.	½ pint.	pint.	quart.	gal.
er doz	\$1.00	0.30	0.50	1.00	1.80	3.00		
ach		.05	.05	.10	.18	.30	.60	2.00

NOTE-Our Wood Rim Cement is American make and is done up in Tins of U.S. Standard Wine Measure

JIFIOD PLUGGING CEMENT

	7	8
nes	2½ x ½"	4 x ¾"
doz	\$0,60	1.00

PURE GUM SHEET RUBBER



.. Per lb., \$3.00 2nd Squares, 4 x 4"

HARD TIRE CEMENT

BEST RED



1 lb. packagesper lb., \$0.40 No. 0, Telescope boxes, per doz. 1.35

EMERGENCY BANDS



Made of good quality rubber. Can be placed around tires and rim, secure y binding and holding air in the tires until repairs are effected. Per doz., \$1.50. Each, 15c.

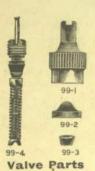


B YCLE STA

EDS! THE ONLY

N STANDS ON THE MARKET. AL

SCHRADER UNIVERSAL



No.	1, Caps per doz., \$6	0.53
66	2, Cap Washers, per 100,	.75
44	3, Plunger " "	.40
66	4. Inside Parts per doz.	.67
"	5, Plungers "	.35
66	6, Plugs "	.15
66	8, Springs "	.10



Valv	e1.1.1	per 100,	\$9.00
44	***********	per doz.,	1.13
**		each,	0.13





Dunlop Metal Base.

		0000	T			
Per do	Z		 	 	 	\$ 1.67
Fach				 -	 	 0.17

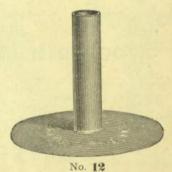


 Valve and Stem complete.

 Per 100
 \$15.00

 Per doz.
 1.67

 Each
 0.20



.....per foot, 8c.

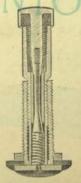
WOODS BROS.

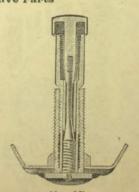
Valve Tubing.....

All Metal. No Rubber or Leather used in Construction of Valve Parts



Valve.
Per 100 \$9.00
Per 1doz 1.18
Each 0.18





No. 15

Metal Base.

Per doz..........\$2.00

Each............0.17

TIRES

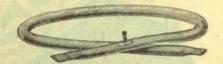




C. R. CO. Double or Single Tube

DUNLOP DETACHABLE

INNER TUBES



MADE OF BEST STOCK

Butt End or Continuous Pattern, X Quality p	er doz.,	\$10.50	each,	\$1.00
" XXX Quality	66	18.85	***	1.33
Vulcanized Butted Ends for repairing Inner Tubes	**	2.20	66	.25

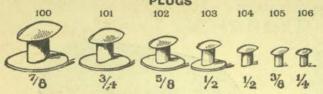
TREAD BANDS

Corrugated Protection Strips, for 28" wheels......each, 90c.

BICYCLE GEAR TABLE

Fo	r 28-in	ch Wheel	S		Foi	30-inc	h Wheel	S	
Teeth on ront chain wheel.		Teeth on back	chain wheel		Teeth on front	Т	eeth on back	chain wheel.	
	7	, 8	9	10	1 Trimming Knife.	7	8	9	10
16	64	56	497	444	1, 30c.	681	60	531	48
17	68	591	52%	478	************	73	634	564	51
18	72	63	56	50%	18	77	67士	60	54
19	76	661	591	531	19	811	711	631	57
20	80	70	62%	56	20	85%	75	664	60
21	84	731	651	58#	21	90	781	70	63
22	88	77	68#	618	22	941	821	731	66
23	92	801	718	642	23	981	861	762	69
24	96	84	74%	671	24	103	90	80	72
26	104	91	80%	72‡	26	1111	971	864	78
28	112	98	871	78%	28	120	105	93	84
30	120	105	933	84	30	128	112	100	90
32	128	112	95‡	891	32	137	120	106	96
Market Street Co. Co.								-	

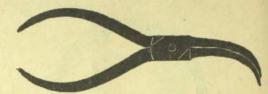
TIRE REPAIRS



These plugs have oval stems and conform more easily to ordinary cuts.

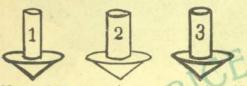
Assorted per doz. 25c.

PLUGGING PLIERS



No. 87. Curved nosePer pair, 60c.

UMBRELLA PLUGS



Nos. 1, 2, 8, assortedper doz. 15c.

LATEST INVENTION IN PLUGS

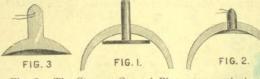
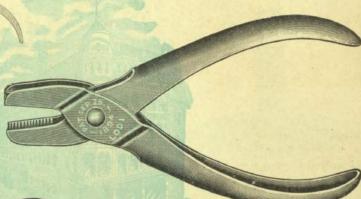


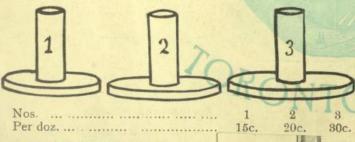
Fig. 3. The Strauss Curved Plugs are made in three sizes: ¼", 1", 1¼", and come in strips of one dozen each. The special feature of this plug is that it conforms to the shape of the tire and is bound to adhere to it. They are provided with a string, and are inserted in the usual way. These plugs will supersede all plugs at present on the market, and are the only plugs that will repair a cheap tire. Figure 1 shows the old style, and Figure 2 our Curved Plug with the natural position in the tire.

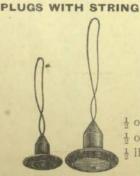
Assorted.....per doz., 30c.

No. 88. Flat nose.....per doz., \$1.00; each, 12c.



FLAT PLUGS





½ oz. rollsper doz., \$0.25

1 oz. " per gross, 2.50 1 lb. " per lb., 0.60

No. 89. Valve Pliers (as cut) each, 25c. " 90. forged " 50c.

TIRE LACING



Waxed Linen



Hemp

C	ard	s, wa	xed lin	en .		 . per	doz.,	\$1.20
1	lb.	balls	waxed	line	n .	 	each,	.5
1	lb.	41	hemp			 	4.6	.20

Small, 10c., Large, 20c. doz.



No. 6621

Bent Handle Trimmers, Saw Tooth for Canvas work...... Each, 85c.



Pointed Trimmer for Patch work... Each, 80c.



No. 5

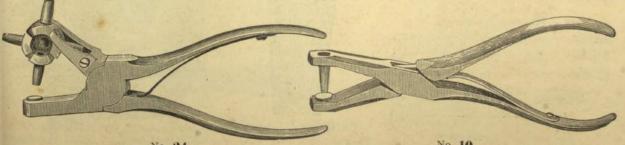
Pointed Trimming Knife. Each, 80c.

No. 15

Round Pointed Trimming Knife. Each, 30c.

No. 25

Straight Pointed Trimming Knife. Each, 15c.



No. 24

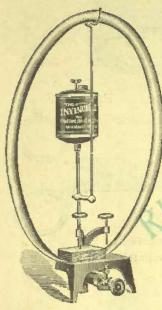
· Revolving Tire Punch... Each, \$1.20.

No. 10

Single Tube Tire Punch... Each, 45c.

VULCANIZERS

The Invincible Vulcanizer



This Vulcanizer is the least complicated, easiest operated, and most effective on the market. It takes only a few minutes to heat up, and the burner is so adjusted that it cannot be heated too hot. Common stove gasoline is the fuel used.

Each Vulcanizer carefully tested.

Full directions for operating and instructions for vulcanizing are sent with

Invincible Vulcanizer, including material for twenty-five or more repairs.

High Pressure Unvulcanized Patches with Strings



-	Sec. 11	6.2	
One-	TRUE.	E'C 3	17 E
. Care	3040		,

Small size, per	doz.						ì					,				+	,	,		,	30c.
Medium	4.6	-		ï		,		,	,	,	,	,		_					,		, 40c.
Large	4.1					,	-					7	Þ	ŀ					,		.50e.
Extra large	6.6		,		-						,	,		-		_		,	,	,	,60c.

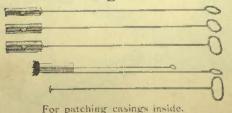
Vulcanizer Supplies

Single Tubes	PIDIS
Stuff No. A. For first coat 10c.	\$0,30
" B. " second coat 30c,	1,50
Per sq. foot 1	sq. yard
Stuff No. C. Canvas to apply inside 30c.	\$1.85
	Per Ib.
apply outside	\$1.35
	Hach
Hardwood Pegs	10c.
Rubber Forms	10c.
Sheet Metal Forms	I0c.
Soft Metal Forms	10c.
Hardwood Forms	10c.

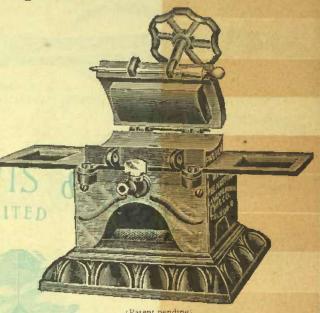
Soapstone

Powdered, per	lb,			10c.
---------------	-----	--	--	------

Casing Tools



High Pressure Hot Water Vulcanizer



(Patent pending

No Extra Valve Stem Core

This Vulcanizer is constructed with a hot water jacket lying underneath the Thermal or Heating Plate, and acts as a sheet of water through which the heat passes before reaching tire, obviating the danger of unequal vulcanization. The lower plate is extended for the purpose of protecting the tire from any heat that may possibly come from below. On either end of this plate is provided indentations to hold water, keeping the ends of the plate and tire cool. The tire is held carefully in place by the upper plate and pressure screw.

The Barner is located in the base of the Vulcanizer. The Improved '99 Burner for this Vulcanizer is raised free from the base and burns freely with an even heat. This burner is supplied with a specified quantity of alcohol sufficient to generate the amount of heat necessary to properly vulcanize a tire.

The Vulcanizer is automatic, as the vulcanization is complete when the alcohol is consumed. It is economical, and by following directions carefully we can assure the operator ultimate

Full directions for operating, and a small amount of supplies accompany each Vulcanizer.

No. 2 Hot Water Vulcanizer, complete, each\$9.00

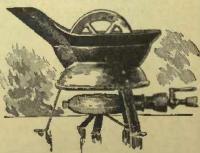
Tube Horn



For Directing Tubes into Casings.

Each 12c.

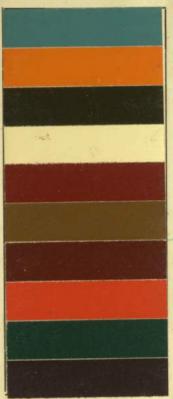
Cement Kettle



Kettle complete with burner and Gas Tube \$3.20 Kettle only, each

66

CYCLE ENAMEL



CYCLE BLUE

ENAMEL OVEN THERMOMETER

ORANGE

BRONZE GREEN

WHITE

ROSE

SNUFF

WINE

VERMILION

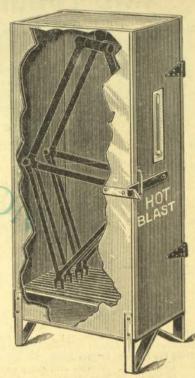
DEEP GREEN

ROYAL PURPLE



Each, \$2.50

ENAMELING OVEN



This is the Torch included with Oven



Holds I gallon; will burn 8 hours.

Also used for burning enamel off frames.

Each, \$5.00

No. 1.—Perfection Hot Blast, made of heavy galvanized iron, double walls, 16 inches wide, 28 inches deep, 4 feet 9 inches high. Holds 2 frames, including forks.

With Thermometer and Burner, each, \$24.00

No. 2.—34½ inches wide, 28 inches deep, 4 feet 9 inches high. Holds 5 single frames and forks, weight 150 lbs.

With Thermometer and Burner, each, \$36.00

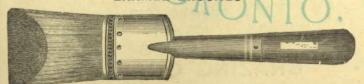
No. 9.—Electric Hot Blast, galvanized iron, single walls, 15 inches wide, 28 inches deep, 3 feet 9 inches high.

With Thermometer and Burner, each, \$18.00 Above also supplied for gas.

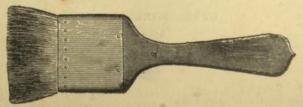
AIR DRYING

	Gals.	Qts.	Pts.	½ pts.	Large Tins.	Small Tins.
Black	\$1.50	0.45	0.25	0.20	0.18	0.15 each.
				2.00	1.60	1.35 doz.
Colors	ree.				.30	.20 each.
**				***	3.20	2.00 doz.
		I	BAKING	,		
Black	\$1.50	0.50	0.30	0.20	****	each.
Colors	5.50	1.40	0.75	0.40		"
Varnish	5.50	1.50	0.80	0.45		66

ENAMEL BRUSHES



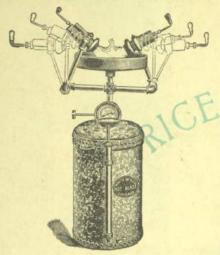
Ox Hair, 1-inch, Tin Handles and Caps.....per doz., \$4.50



GASOLINE BRAZER AND FORGE

Tanks Tested to 200 lbs. Pressure to the Square Inch.

SWIVEL BURNER-Mammoth



Burners adjustable to any angle. Powerful hot blast, blue flame, devoid of smoke, capable of quickly brazing the heaviest bicycle Joint. Flame easily regulated to any size. Works efficiently with air pressure of 35 to 75 lbs. It is safe, portable, easily operated.

Complete, with gauge and pump, each, \$30.00

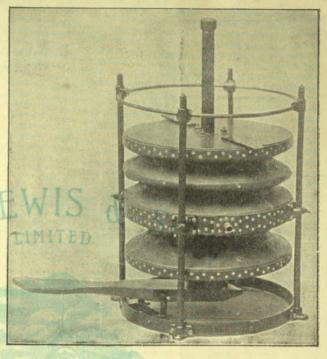
COMBINATION HOT BLAST



Works with pressure of 35 to 75 lbs. Indicator registers 100 lbs. pressure. Generators of special bronze. Burners can be operated independently. Flame easily regulated to any size blast.

Complete with gauge, no pump, each, \$25.00] }

BRAZING BELLOWS



No. 278. Brazing Bellows.....each, \$24.00

BLOWPIPE



No. 276. Fitted with self-acting and regulating valves and continuous lighting jet. By releasing lever gas valve closes. Quantity of gas consumed can be regulated to suit description of work to be brazed. Each, \$7.50.

BRAZING SPELTER

We keep only the very highest grade procurable.

Grain......per lb., 40c. Stripper lb., 40c.

BORAX

Lump per lb., 11c. Powdered per lb., 13c.

BORACIC ACID

DIXON'S BRAZING GRAPHITE

Is the best anti-flux known. It prevents the spelter or brass from sticking to the work, and saves time and money. No filing is necessary where this is used. Send for sample. Per lb., 50c.

STEEL WIRE BRUSH



 No. 1. Round, as per cut
 each, 50c.

 2. Square, 5" wire, 4 row
 50c.

 3. Oblong, 3 row, with long bent handle
 40c.

WILEY & RUSSELL BICYCLE SCREW PLATES







															Per Case
No.	150,	Case	contain	ing 5 s	izes,	with Stock,	Tap W	rench (fit	ting in st	ock), No	o. 0 I	ies.	Guides	and Tap	s \$8.25
	152,	11	61	7	44	44	16	`	44	44	0	64	2.2	44"	10.50
	154,	4.6		10	41	46	14		4.6	66	0	h 4	+6	44	14.65
44	158.	1.1	41	15	15	4.6	4.6		44	14	0	46	11	4.6	20.65
4.5	143,	4.6	44	21	4.6	with 2 Stoc	ks, "	C	- "	44	0	4.6	64	- 11	
		COL	nsisting	of 10	wir	e gauge siz	es and	fractiona	sizes. 2	40 5 3	6, 3	32,	7 28 1	24 5 24	
		8.3	1 17 24	424 3	28	228, outside	diamete	er of Dies	and and	over. 2.	3 "				40.15
41	133,	Case	contai	ning S	tock	10" long an	d 7 size	s of Taps	s. Dies an	nd Gui	des.	24	5 24 . 1	28 320	
		32	4, 7,20	7 24	outs	ide diamete	r of Die	$5, 1^{5}$ ".							17.25
44	350,	Case	contai	ning 5	size	s, with Stoc	k, Tap	Wrench	(fitting i	n stock	d. N	x .c	Dies a	nd Taps.	
		out	tside di	ameter	of	Dies §"								*	. 6.60
4.5	352,	Case	contai	ning 7	size	s, with Sto	ck, Tap	Wrench	fitting i	n stock	d. N	5. X	Dies a	nd Tans	
		ou	tside di	ameter	of .	Dies, 5"					,, -			Taps	8,90
4.4	354,	Case	contai	ning 1	0 siz	es, with Sto	ck. Tap	Wrench	(fitting i	n stock	1. N	X .c	Dies a	nd Tans	
		ou	tside di	ameter	of i	Dies, §"			/		,,			Impo	11.65
				REI	3 UL	AR SIZES O	F DIES	AND IA	PS CARE	RIED IN	STO	JCK			

Machine Screw sizes Nos. 266, 348, 436, 632, 832, 1024, 1224, 1420, 1616, 1620









W. R. No. D DIES AND GUIDE

Patent Elastic Stocks, 6" long	each,	\$1.15
Dies, 1" diameter	41	.90
Guides		.25
Taps		.40
Cases, 5 sizes, each, 55c.; 7 and 10 sizes	64	.65

Explanation of Dies and Guides supplied in No. 0 Bicycle Screw Plates-The cut shows a Die and Guide complete; also a Die taken apart to show the mechanism. The cup-headed screw on the right holds the halves together as a hinge, while the size is regulated by the wedge-shaped screw on the left, the Die being clamped in the Elastic Stock. It is readily adjusted without danger of breakage common to Dies open only on one side and solid on the other.







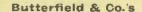
No. X PARTS



PRICES OF SINGLE PARTS

Stock, 51/4 long	each.	\$0.60
Dies, 5" diameter		.60
Taps	61	.40
Tap Wrench	14	.60
Cases, 5 sizes, 55c; 7 and 10 sizes		.65-

BICYCLE TAPER TAPS FOR REPAIRERS



The Wiley & Russell Mfg. Co.'s

The state of the s	2 20 18 inches long,
Diameter ¼, Threads 20 to 32, each	inches long,
0 3% " 20 to 32 " 0 55	
" 18 " 20 to 32 " 0,60 INSIDE AND OUTSIDE O	CHASERS
10 1/2 10 10 32 11 0.70 1.80 1.80 1.80 1.80 1.80 1.80 1.80 1.8	
" 18 " 20 to 32 " 0.80	
" 5% " 20 to 32 " 0,90	

B. & CO. BICYCLE SCREW PLATES



Standard Pitched, 3 to 8, each\$1.15 Standard Pitched, 9 to 30, each80



No. 99. Case containing stock 12 inches long, with 14 pairs Dies, $\frac{1}{4} \times 24$, 32; $\frac{1}{6} \times 18$, 20, 22, 24, 26, 28, 32; $\frac{1}{2} \times 20$, 24, Right Hand. $\frac{1}{2} \times 20$, 24, Left Hand. 22 Bicycle Taper Taps $\frac{1}{4} \times 20$, 22, 24, 26, 28, 32; $\frac{1}{6} \times 20$, 22, 24, 26, 28, 32; $\frac{1}{6} \times 20$, 22, 24, 26, 28, 32; $\frac{1}{2} \times 20$, 24, Right 11and; $\frac{1}{2} \times 20$, 24, Left Hand. Including one pair of Tap Wrench Dies, per case\$20.00

No. 151. Case containing 5 sizes Taps, Dies and Guide, with Adjustable Tap Wrench, per case. \$6.30 No. 153. Case containing 6 sizes Taps, Dies and Guide, with Adjustable Tap Wrench, per case. 7.10

No. 157. Case containing 10 sizes Taps, Dies and Guide, with Adjustable Tap Wrench, per case. 10.20

Prices of Single Parts for Sets Nos. 151, 153 and 157

 Stock, 6 inches long, each
 \$1.00
 Taps, each
 \$0.35

 Dies, 56 diameter, each
 0.40
 Tap Wrench No. 0, each
 1.50

 Guides for Dies, each
 0.20
 Cases, each
 0.40



Sectional View of Die and Guide.

FILES



BASTARD.



SECOND CUT.



SMOOTH.



MILL FILE

JOWITT'S FILE LIST

Size in inches		4½ 1.25	5 1.40	6 1.70	7 2.10	8 2.60	9 3.00	10 3,60	11 4.35	12 5.20
Flat and half-round, second-cut and second-cut mill saw Flat and half-round, round and square-smooth, cabinet		1.45	-1.60	2,00	2.40	2.90	3.25	4.10	4.80	5.75
files and rasps	1.65 2.50	$\frac{1.80}{2.70}$	2.00	2.30 3.50	2.80 4.20	3.30 4.80	3.75 5.70	4.60 6.85	5.55 8.40	6,40 9,60
	1.25 1.80	1,40	1.50 2.15	2.10° 2.75	2.55 3.25	2.90	3.60 4.60	4.35	5.20 6.40	6,00 7,20
Knife files, bastard	2.00	2.30	2.55							
Half-round wood rasps Round wood rasps						2.60	3.00 3.25	3.60	4.30	5,20
Size in inches	3 1/2	4	41/2	5	51/2	6	7	8	9	10
	0.95	$\frac{1.10}{1.80}$	1.20 2.05	1.35	1.55 2.55		2.30	2.90	3.75	4.70
Pit or frame saw files			1.40	1.55	1.80		2.55	3.25	3.85	4.80

EMERY WHEELS



Hard, medium or soft grades. 6x1 8x1 8x1½ 10x1½ inches, \$1.15 2.30 2.85 4.50 each

EMERY CLOTH

Nes00 0 1/2 1 11/2 2 21/2 Per quire .. \$1.00 1.10 1.30 1.40

EMERY POWDER

Corn, Nos. 54 to 120per lb., 10c. Flour.....

STEEL WOOL

For polishing frames. Polishing Rubbing Scouring Nos 0 . 4 -5 Per lb. . . 80c. GGc. 53c.

40c.

No. 283.

Diam.	. 3	1	1	1 ± 1	n. face
3	\$0.80	0.95	1.10	1.40	each
4	1.10	1.35	-1.60	2.10	+4
6	1.75	2.40	3.00	4.35	1.4
8	2.60	3.60	4.60	6.60	41
10	3.60	5.10	6.60	9.50	64
12	4:00	5.75	7.35	10.70	+6

THOMPSON'S HACK SAWS

N.P. extension (8-12 ins.) frame, with one blade each, 1.50 Extra blades, 8", 96c.; 9", \$1; 10", \$1.07 per doz.

EMERY WHEEL DRESSERS



FILE CLEANERS



No. 1. Mounted Cards, 4 x 11/2 inches . . . each, 20c.

WE ALSO CARRY A STOCK OF BLACK DIAMOND, GLOBE, STUBBS' and "GROBET'S SWISS" MAKES OF FILES.

TWIST DRILLS



No. 105-STRAIGHT SHANK

Diameter 1	5 64	3 2	7	1 8	704	3 2	11	3	13	7 39	15	1	17	9 inc	h
Length 21/2	25	23	$2\frac{7}{8}$	3	81	31	33	31/2	35	83	37	4	41	41 "	
Price, per doz\$1 00	1.10	1.20	1.30	1.45	1.60	1.80	2.00	2.20	2.40	2.65	2.90	3.15	3.40	3.65	
Price, each\$0.09	0.10	0.11	0.12	0.13	0.15	0.16	0.18	0.20	0.21	0.23	0.26	0.28	0.30	0.32	

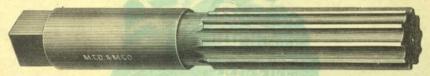
Diameter	1 9 6 4	10	21 64	$\frac{11}{32}$	23 64	38	25	13	27 64	7 16	29	15	31	10	inch
Length	48	$4\frac{1}{2}$	45	43	478	5	5長	51	53	51	5喜	$5\frac{3}{4}$	57	6	**
Price, per doz	\$3.90	4.20	4.50	4.80	5.10	5.40	5.70	6.00	6.40	6.80	7.20	7.50	7.75	8.00	
Price, each	\$0.35	0.37	0.40	0.42	0.45	0.48	0.50	0.53	0.55	0.59	0.63	0 65	0.67	0.70	



No. 109-BIT STOCK

Diameter..... 16 13 $\frac{5}{32}$ 10 1 9 5 32 10 32 $\frac{11}{32}$ & inch Price, per doz..\$1.50 1.65 2.10 2.60 3.10 3.60 4.10 4.70 5.40 6.30 7.20 8.00 8.80 9.60 10.30 16.20 Price, each.... .14 .16 .20 .24 .29 .33 .38 .43 .48 .54 .62 .68 .75 .82 1.35

SOLID REAMERS



No. 116

Diameter..... 1 16 16 7 10 13 15 11 inch 1 Flute, length. 23 21 23 27 2,2 25 23 33 11 23 3 35 31 3,7 35 Price, each .. \$1.95 2.10 2.25 2.40 2.55 2.70 2.85 3.10 3.30 8.50 3.75 4.05 4.35 4.65

Lightning Taper Reamers



The sizes are arranged to follow each other from the smallest to the largest, so that with a set of these useful tools any size from $\frac{3}{16}$ to $\frac{11}{16}$ inch may be accurately made. Each Reamer leaves a round, true cut hole.

Sizes ... $\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$ $\frac{9}{16}$ $\frac{5}{8}$ $\frac{11}{16}$ Each ... \$0.68 0.75 0.78 0.90 1.05 1.20 1.35 1.58 Sizes ... $\frac{3}{4}$ $\frac{13}{16}$ $\frac{7}{8}$ $\frac{15}{16}$ 1 $\frac{1}{8}$ $\frac{1}{4}$ Each ... \$1.80 2.10 2.40 2.75 3.00 3.38 3.90

Centre Punches



No. 14. 8 32, 32, 32, 32, assorted, per dozen..... \$1.85

Lightning Countersinks

Round Shanks, ½ and ‡¼ inch in diameter.



60 or 80 Degrees for Bolt or Screw Heads.

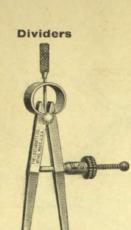
No. 500. Regular size, §" diam., §" cut\$0.75 No. 510. Large size, ¾" diam., ¾" cut 1.18 Give style of shank and degrees wanted.

New Centre Reamer



Accurately made of the best steel, and of the most approved form.

No.	530.	1"	Shank,	cuts	3,	each	\$0.38				
			**				0.45				
66	589	1"	44	66	5	46	0.90				



No. 77.

1.55

1.55

1.90

3"... \$1.25

Solid Nut. Spring Nut.

1.45

1.75

1.75

2.20

CALIPERS

Outside

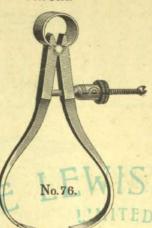
No.75.

1.90

1.40

1.70

Thread



Spring.

1.55

1.55

1.45

5	1
D	1
19	Solid.
	\$1.25 1.40

	R	
	No. 74.	
oring.		Spring
.55	1.40	1.55 1.55

1.70

1.90

Inside

Firm-J	oint	(Outside	or Inside)	L

Solid.

\$1.25

1.40

1.40

Improved Firm-Joint (Outside or Inside).

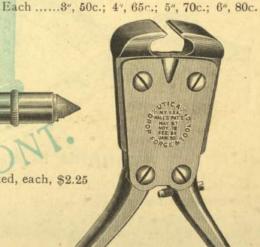




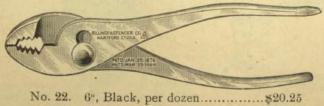
SPEED INDICATOR







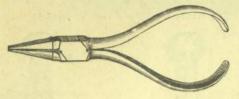
IMPROVED COMBINATION PLIERS



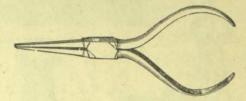
" 23. 6", per dozen 22.50

SPOKE CUTTING **NIPPERS** COMPOUND LEVER

Each\$1.60



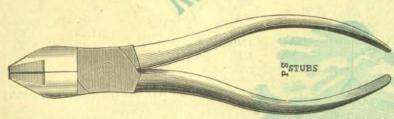
No. 160 Flat Nose Pliers, 6" each, \$1.00

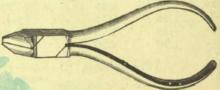


No. 156. Long Nose Patch Pliers, 53", each, 85c.



No. 154. Face Cutting Pliers, 6" each, \$1.45 No. 162. Round Nose Pliers, 6".....each, \$1.00



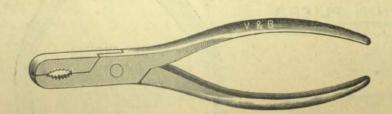


No. 153. Side Cutting Pliers, 6" ... each, \$1.20 No. 149. Bevelled Face Cutting Pliers, 6", each, \$1.45



BARNARD PLIERS

No.	100	Flat Nose,	51"	ead	ch. \$1.20
	200.	Round "	51"		1 20
4.1	300.	Side Cuttin	g. 5		1.80

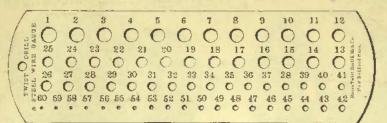




No. 2. Boss Hand Vice, Hardened Steel Jaws, 14" wide, each, \$1.15

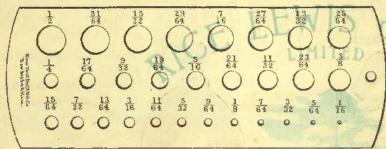
GAUGES

DRILL GAUGES



No. 774

Gauge numbers from 1 to 60 each, \$2.25 This gauge is used for measuring Twist Drills and Stub's Steel Rods.



No. 775

WIRE GAUGES

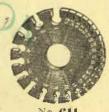


No. **III0**

.....\$3.00 Each



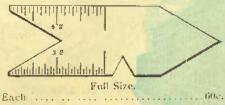
....,\$3.50 Each.



No. 611

Each\$3.00

GRADUATED CENTRE GAUGE



STEEL RULES



No. 300 D. Graduated on one side...per doz., \$3.20

No. 326 D. both sides.

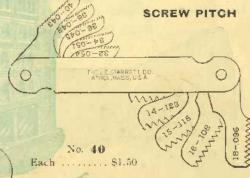
E 6	DB.&S. Irov.R.I.	PAT. OCT, 18, 87.					
8	1 1 1	11111	-				

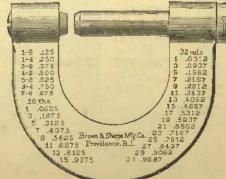
With End Graduations.

12" \$0.55 0.70 1,00 1.50 1.90

In this Rule the ends are graduated on one side to 48ths and 100ths, and on the other side. as shown in cut, to 32nds and 56ths of an inch. The 32nds extend entirely across the rule.

The 3-in. Rules are graduated to 40ths instead of 100ths on the end.





3.60

5.60

4.80

(5.00)

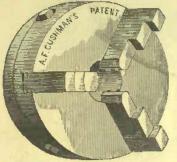
8.00

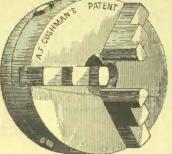
MICROMETER

. No 15

Measures by Thousandths or an inch up to I inch. Each\$7.50

GEARED SCROLL CHUCK





No. 290. With No. 1 Jaws.	No. 291. With No 2 Jaws,					
With I set Jawseach, 3", \$12.50;						
" 2 sets " " 3", 15.00;						

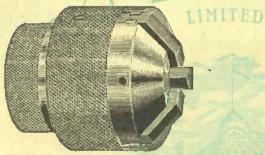
THE HARTFORD DRILL CHUCK



No. 2. Diameter, 234".

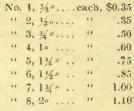
No. 0.	Holds from	0	to	1/4	each,	\$7.50
** 1.	66	-0	to	1/2"	. 66	8.75
0 2,				34"		

THE ACME DRILL CHUCK



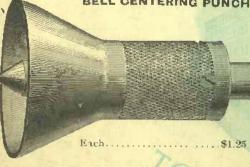
Holds from 0 to 1/2" self-tightening, three jawseach, \$5.00

IMPROVED STEEL LATHE DOG



Small set of 8 Dogs, from 3/8 to 2" 5.50

BELL CENTERING PUNCH





STEEL MARKING LETTERS FIGURES



No. 285

No. 284. Letters	?", \$4.40	1/8", \$4.40	+k", \$5.40	14", \$6.75
" 265. Figures	1,6, 1.50	1/8", 1.50	3", 1.80	14", 2.25
Name Stamps, per letter,	10", .20	1/8", .20	3", .30	14", .35

No. 284



METAL SHEARS

No. 8, Straight cut, 31/2", each. \$2.20 No. 9, Straight cut, 3", each, \$1.65

OIL CAN

No. 13

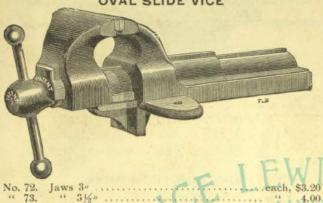
Copper-plated, 33/8"
dia., 3" spout.

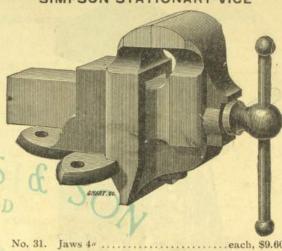
No. 14 Copper-plated, 33/8" dia., 9" spout.



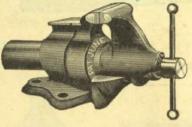


SIMPSON STATIONARY VICE





MECHANICS' BENCH VICE

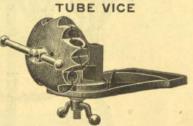


No. 24. Jaws 3"....each, \$4.65

... 29. ... 3½".......... ... 7.30

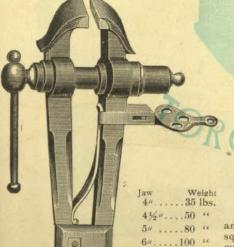
BREAST DRILL

.....each, \$9.60



Holds Tubing at any angle. Each\$7.67

WROUGHT IRON LEG VICE



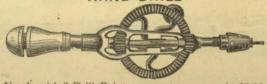
SMANT, BARFOOT BEA EDMONTO:

Per lb., 18c.

No. 10

BALL BEARING, nickel-plated Stock and Chuck, will hold both round and square Shank Drills. The Gears are cut, and are changeable from even to 3 to 1. Each, \$4.95.

HAND DRILL



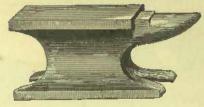
No. 1, with 6 Drill Pointseach, \$2.10 ... 2, " 6 " large size " 4.15

POST DRILL



No. 731 x 1 Each..... \$9.50





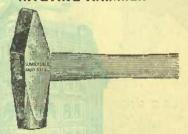
Face Measure.	Weight.	Price per ib.
8½ x 3"	41 lbs.	15½c.
10° x 3"	55 "	15½c.
10 x 3½"	78 "	15½c.
13 x 4°	136 "	13½c.



1 lb., each \$1.15; 1\(\frac{1}{2}\) lbs. ea., \$1.35; 2 lbs. ea., \$1.65.

RIVETING HAMMER









No. 7. Forge, hearth, 18"; height, 30" Weight, 75 lbs. Half hood.

Each, \$23.00.

FORGING TONGS

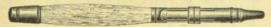


 Heller Bros., Forging Tongs (see cut), 12 to 17"
 Per dozen, \$ 5.00

 No. 1 Stearns, Straight, Swivel Jaw Blacksmith Tongs 16"
 " 15.00

 No. 2
 " " " " 18"
 " 15.00

FISHING RODS



STEEL RODS

No. 4. " 4A. " 8. " 17.	$\begin{array}{llllllllllllllllllllllllllllllllllll$										
BAMBOO RODS											
No. D12. " D15. " N12. " N15. " 12. " 15.	Fly Rod, Six Strip Rod, Nickel Mountings, Solid Reel Seat, Cork Grip, 9½ to 10 feet. each, \$4.65 Bait " " " " 4.65 Fly " " " " 9½ "10 " " 4.65 Bait " " " " 9½ "10 " " 2.75 Bait " " " " 9½ "10 " " 1.75 Bait " " " " 1.75										

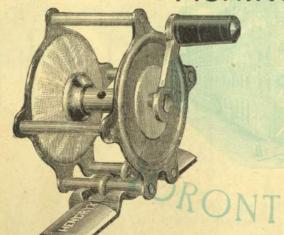
GREENHEART RODS

No. 36 4. Fly Rod, Solid Reel Seat, Improved Shouldered Ferrules, Silk Wrappings, Scored Wood Grip, 10 feet, each, \$3.50 " 46 4. Bait " " " " " " " " " 3.50

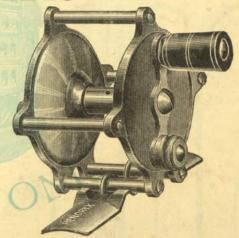
LANCEWOOD RODS

No.	X85.	Fly Rod, Full Nickel Mou	inted, Raised Ferru	es, Silk Whippings	Scored Grip,	10 feetea	ach, \$2.05
**	X95.	Bait "	1 11 11	66 66	11 11	10 "	" 2.05
"	495.	Combination Rod, 3-Joint	t Heavy Bait Rod,	101/2 feet, weight	15 ounces, or	a 2-Joint Trolling Rod,	

FISHING REELS



No. 102P.



No. 00304

Single	Action,	Raised	Pillar,	Rivet	Brass	Reel.
102P. 106P.	Capacity		s			doz., \$1.70 2.25

Single Action, Raised Pillar, Riveted Brass Reel, with Click, Nickel-Plated.

No. 204PN. Capacity, 40 ydsper doz., \$3.40 " 206PN. " 60 " " 3.70 Single Action, Raised Pillar, Screwed Brass Reels, with Flush Balance Handle and Back Sliding Click, Nickel-plated.

Double Multiplying, Raised Pillar, Balance Handle, Screwed Brass Reel, with Patent Adjustable Slide Drag, and Back Sliding Click.

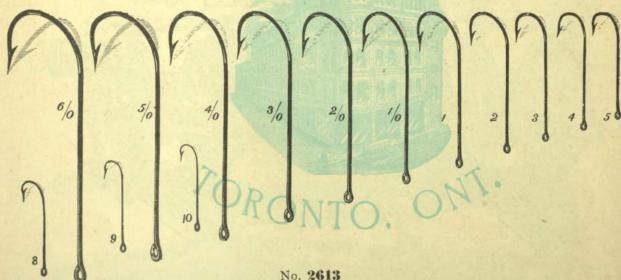
No.	2904PN.	40	vds	N.I	Per d	89.60 N	io.	002904PN.	40	yds.,	N.P.,	with	Rubber	Cap.	\$12.00
								002906PN.	60	44	66	"	44 10	66	13.00
46	2907PN.	80	44	66		11.40	16	002907PN.	80		44	46	66		14.00
							6.6	002908PN.	100	. 66	44	.66	44		15.50

If you deal in above, write for our Sporting Goods Catalogue.

1	1	1	1	1	1	1	
5/	4/0	3/	2/0	1/0		2	
		cf I	EWI.	Sofe	~		
	F12 F11	70	8 7	ED Y	5 4	3	
Size Nos			No. 2544	. 12 to 1	1-0 1.45	2-0 1.65	3-0 1.90

1.65 1.45

CARLISLE FISH HOOKS



9 ,							
Size Nos	12 to 1	10	20	30	4-0	5.0	6-0
No. 2613 —Ringedper 1000	\$1.00	1.25			1.95	2.15	2.25
" 26141_Marked "		1 95	1 45	1.70			

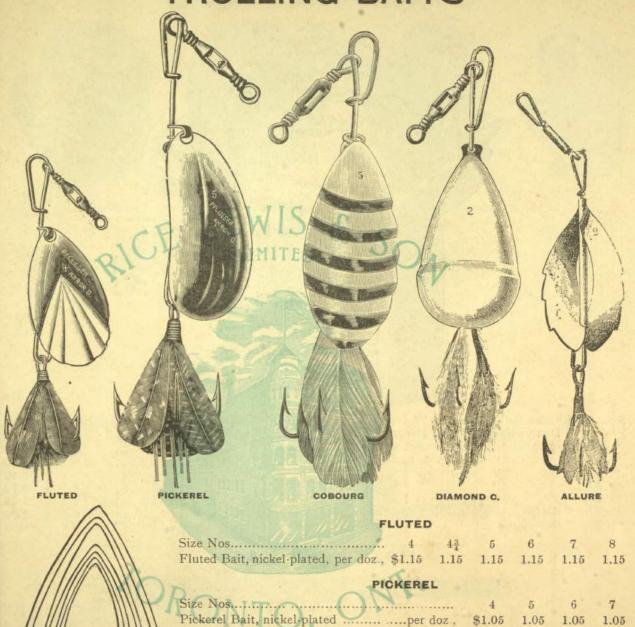
KIRBY AND LIMERICK FISH HOOKS, RINGED

Size Nos	12 to 1	1.0	20	3-0	4-0	5-0	6-0	70	8-0	9-0	10.0
No. 1939—Kirby bendper 1000	\$0.63	0.80	1.00	1.15	1.30	1.50	1.90	2.45	3.20	4.15	5.00
" 1937—Limerick "	0.68	0.80	1.00	1.15	1.30	1.50	1.90	*****			
	-	Inc burn	dund :	n a ba	-						

One hundred in a box.

If you deal in above, write for our Sporting Goods Catalogue.

TROLLING BAITS



2 3 4 5 6	

Scale for sizes of Spoons

Size Nos	4	43	5	6	7	8
Fluted Bait, nickel-plated, per doz.,	\$1.15	1.15	1.15	1.15	1.15	1.15
	C					
PI	CKERE	L				
Size Nos			4	5	6	7
Pickerel Bait, nickel-plated	per	doz.,	\$1.05	1.05	1.05	1.05
C	DBOUR	G				
Size Nos	3	4 .	5	6	7	8
Cobourg Bait, nickel-plated, per do	z., \$1.2	1.25	1.25	1.25	1.25	1.25
		-				
DIA	MOND	C.				
Size Nos			3	2	1	1.0
Diamond C., nickel-plated, gold end	1	per doz	., \$4.0	0 4.00	4.00	4.70
A	LLURE	AM L				
Size Nos		8	2	1	1-0	2-0
Allure Bait, nickel and brasspe	er doz.,	\$7.40	7.40	7.40	8.10	8.10

If you deal in above write for our Sporting Goods Catalogue.

BASE BALLS



No	1.	League Ba	ll ade	opted by W	Testerr	Association per	dozei	n. \$20	.60
							**		.60
46	20.	Regulation	Size	and Weig	ht, a fi	rst-class ball		資艦 10	
66	30.	6.6	66	Horsehide	Cover		16		.10
6.6	40.	***	4.6		66	and well made	44	5	.40
46	50.			**			66	b 2	.70
66	60.	66	66	good Boys	s' ball		16	1	.65
- 44	70.	"Rattler,"	Boy	s' ball			66	1	.05
								0	.60

BASEBALL BATS

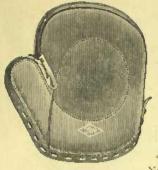


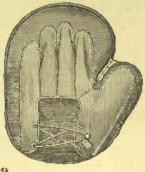
LOUISVILLE SLUGGER

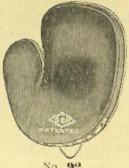
L	ouisville	Slugger, best selected Ash, well balanced and finishedper	dozen,	\$14.00
N	0. 3-0.	Highest grade Ash, thoroughly seasoned, well balanced and finished	16	12.85
15	· 1A.	Extra quality Ash, Antique Finish, highly polished	44	7.00
4	· 1C.	Finest selected English Willow, highly finished	44	7.00
+	2A.	Excellent quality Ash, carefully selected, highly polished	46	3.85
	8A.	Extra " " Antique Finish, best Boys' bat made	44	3.85
4	. 7	Ash, highly polished, red end, length 30 inch	**	1.50
14	. 9.	" 26 "	***	0.80

If you deal in above, write for our Sporting Goods Catalogue.

BASEBALL MITTS









		No. 99	No. 92	No. 32X
No.	99,	Professional Catchers' Mitts, with patent rubber fi	inger guard, padded with best asbest	os padding, patent
		lacing, hest collskin		
4.4	98.	Same as No. 99, but a little smaller		6.00
4.4	91.	Same as No. 99, but a little smaller	· (F C	
4.6	100.	" 98, with reinforced patch in palm, wit	hout the patent buger protector	2.70
6.6	92.	Mouse color coltskin, with patent lacing 14.1 T.F. without lacing 14.1 T.F.	D	2.00
44	93.	" without lacing		*1 L60
1.6	80.	Gold tan leather back, "Youths' large size"		
4.4	101.	" canvas back, "Boys' large size"		40
1.4	45.	Baseman's Mitts, drab colored coltskin, very flexib	le,	2.70
4.4	43.	" palm, red l	eather back	2.00
- 11	42.	" Craven tanned leather		1.00
4.6	41.	" yellow leather	, , , , , , , , , , , , , , , , , , , ,	
6.6	32X.	" Gloves, mouse colored buckskin, nadde	d palm	4.00
4.5	7X.	" drab colored coltskin	11	
4.6	29.	ti (1 - 11	***************************************	160
6.6	3X.	" drab chrome tanned leather		9 1.00
		INFLATED BOD	YPROTECTOR	
No.	1.	League Catchers' Protector	***********	each, \$15.15
11	IA.			
4.6	1B.			8.20

CRICKET BATS



Patent Double-spliced, Spring-Handle Bat, thoroughly seasoned, hand hammered, edges and face hardened in such a manner that the wood is still in possession of its natural elasticity, accurate in balance, 2A. 4. s. 3. Youths' ** selected

VALITURE BALLSHED BATS

TOOTHS FOLISHED	מאמ				
Nos	01	04	05	66	07
Each	\$0,50	0.85	1.00	1.15	1.30

CRICKET BALLS

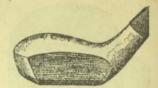
No. 1A. "Specially Selected," Treble-Sewn, Match Balls, warranted hand-made, regulation size and weight, as used in all matches played by the Earl of Sheffield's team in Australia, also the great matches in England, including England and Australia. Highly recommended by Dr. W. G. Grace and the leading English 1,90 10. 1.40 05. Composition, regulation size, good practice ball

If you deal in above write for our Sporting Goods Catalogue

GOLF STICKS

SIMPSON'S

WOOD CLUBS Bulger Drivers each, \$2.40 Cleeks each, \$2.75 Bulger Driver Brassies " 3.00 Putting Cleeks " 2.75 Drivers " 2.20 Irons " 2.75 Mid Spoons " 2.20 Mashies " 2.75 Brassie Niblics " 2.75 Gun Metal Putters " 3.00 Brassie Spoons " 2.75



EXTRA HEADS AND SHAFTS

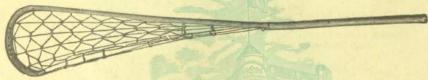
Heads for Bulger	Drivers.		 		 	 	111	34.0	222	1202	119	474		eac	h, \$1.45
heads for burger	Braceine					200	200				SO		91006	. 16	2.00
	Diassics	4.4.4.	 	3.0										4.6	1.75
Heads for Cleeks.			 		 	 								* * * * * * * * * * * * * * * * * * * *	
Shafts for any style	e of Head		 		 	 				414	22			124	1.00



We also keep in stock a nice assortment of Clubs, made specially for Ladies' use, at same prices as above.

GOLF BALLS

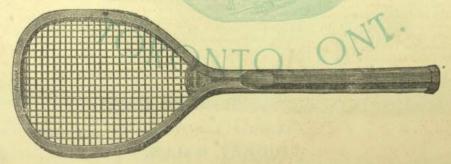
LACROSSE STICKS



Nos. 4 to 7

No. 1. 3 ft. 10 in. in length, Best White Hickory and Finest Line Strings per doz., \$8.45 No. 2. 4 ft., same as No. 1
No. 2. 4 ft., same as No. 1 No. 4. 4 ft. 6 in., Practice Stick, l6ths to the dozen, made of the Best White Hickory and Fine Line Strings No. 6. 4 ft. 4 in., Home Stick, same in every way as No. 4. 16.90 15.50
No. 4. 4 ft. 6 in., Practice Stick, 16ths to the dozen, made of the Best white Fickofy and Fine Line Strings No. 6. 4 ft. 4 in., Home Stick, same in every way as No. 4. 15.50 15.50
No. 6. 4 ft. 4 in., Home Stick, same in every way as No. 4.
a a to a land dead
No. on Same as Selected Hickory and strung with Best Syor Strings
Ma 19 A ft fin Professional Stick, Dest Selected thekoly, and strang
and the total last bland
to at CIC Stigle Chainget White Hickory, Strung With Syot Strings, with Clock Cold in
TIT Donto
No. 15. Same as No. 14, only Left Halla

LAWN TENNIS RACKETS

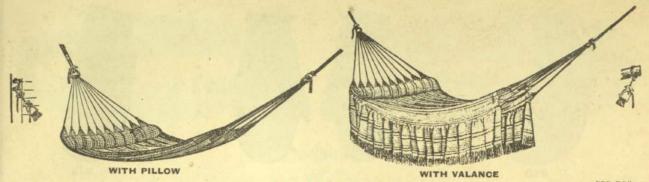


Assorted Weights, 101 to 15 ounces.

Deletal White Ash Ream	ac etemper with	Oriental	Gut	each, 1.85	8
Bristoi, White Asia Fram	es, strung with	Oriental	14	2.45	ĸ
Cleveland, "	11		-	" 3.25	
Standard, "	111	44	6.6	Full Size, High Grade	
Eclipse, Best "	4.6	- 66	66	** ** ** *** **************************	
Ecupse, Dest	11	44	144	Tournament Strung, Scored Handle " 5.00	
Horseman, Best "				1 to 1 Cut Seared Handla " 5.00	1
Ladies' Special, Best Whi	te Ash Frames	s, strung v	vith	Oriental Gut, Scored Handle	50
LAWN TENNIS BALLS	S. No. 1, Col	lege Chan	npion	ship, Regulation Sizeper doz., 4.25	

If you deal in above, write for our Sporting Goods Catalogue

HAMMOCKS



							- 7	730			PER DOZ.
1	No.	A1.	Quarter	Color,	34	x 70",	Open Weave				\$11.70
	4.6	B2.	**	4.6	36	x 76",	66	one Pa	tent Woo	od Spreader	14 50
	46	B4.	66	44	36	x 76",	- 44	Spread	er and Pi	llow	18.00
	66		Full	< 3 \	36	x 76",	"	1 1 100	,	' and Valance	30.00
	44	E4.		11.2	36	x 76",	Combination	Weave	Spreader	and Pillow	25.00
		E5.	44	12	36	x 76",	**	44	44	Pillow and Valance	37.00
	44	G5.	6.6	-66	40	x 78".		-0	66	**	
	1.6	K4.	44	- 66	41	x 78",	Open	4		and Pillow	
	44	NE4.	4.6				Corded	- 11		Stretcher and Pillow	
	44	NE5.		44	36	x 76",	**	- 11		" Pillow and Valance	
	44	P5.	44	16	40	x 78",	**	16		Pillow and Valance	

QUOITS



London Pattern, Superior Wrought Steel, Hardened and Polished.

Weight per pair	4	5	6	7	8	10	12	14	16 lbs
Per pair	\$1.90	2.85	2.75	3.20	3.60	4.90	7.00	8.50	10.20

MALLEABLE IRON QUOITS

DUMB-BELLS



IRON

WOOD

Made of Selected Maple, Oiled, Lathe Polished. Weights ... $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{2}$ 2 $2\frac{1}{2}$ 3 lbs. Per pair ...\$0.20 0.28 0.30 0.40 0.50 0.60 0.70

PITCHING SHOT



Weights, 10 to 50 lbs.....per lb., \$0.08

INDIAN CLUBS

Made of Selected Maple, Oiled, Lathe Polished, well shaped and balanced.

Weights... $\frac{3}{4}$ 1 $1\frac{1}{2}$ 2 3 4 5 6 lbs. Per pair \$0.25 0.35 0.40 0.50 0.60 0.90 1.00 1.15

If you deal in above, write for our Sporting Goods Catalogue.

BOXING GLOVES







No. 032

No. 024

	P	er set.	t. A Per	set
N	o. 02 - Boys' Boxing Gloves, made of Gold Tan	1	No. 013X-Men's Boxing Gloves, made of Benton Tan	
	Kid, Elastic Wrist, and filled with Curled	-	Kidy Laced, and filled with superior quality	
		81 75 1	0 1 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.00
	Hair. Style as 024	01.11		
4	07 Boys' Boxing Gloves, made of White Kid,		" 020 —Men's Boxing Gloves, made of fine imported	
	Elastic Wrist, filled with Curled Hair Style		Colored Kid, fac-simile in style of the	
	as 024	1.90	gloves used at the Corbett-Mitchell contest	
	02X-Boys' Boxing Gloves, made of Gold Tan Kid,		at Jacksonville. Laced, and filled with the	
	Elastic Wrist, and filled with Curled Hair.		finest quality of Curled Hair 8.	.00
		o an		
	Style as 020	A. T.	" 024 —Men's Boxing Gloves, made of Benton Tan	
4	03 Boys' Boxing Gloves, made of Wine Colored		Kid, Gold Tan Palm, California Thumb,	
	Kid, Elastic Wrist, and filled with good		Padded Wrist, Laced, and filled with a	12.0
	quality Curled Hair. Style as 024	2.40	0 superior quality Curled Hair 5.	.35
	03X- Boys' Boxing Gloves, made of Wine Colored		" 026 -Men's Boxing Gloves, made of White Kid,	
	Kid, Elastic Wrist, and filled with good		Elastic Wrist, and filled with good quality	
		2.70	Contract of the Contract of th	.35
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		PORTUGUE & CORNEL SECTION OF THE SEC	
- 4	04 - Men's Boxing Gloves, made of Wine Colored		" 027 - Men's Boxing Gloves, made of White Kid,	
	Kid, Elastic Wrist, and filled with good		Elastic Wrist, and filled with good quality	40
	quality Curled Hair. Style as 020	4.00	0 Curled Hair. Style as 024	.40
4	07X-Boys' Boxing Gloves, made of White Kid,		" 030 -Men's Boxing Gloves, Made of Gold Tan	
	Elastic Wrist, and filled with Curled Hair.		Kid, Elastic Wrist, and filled with Curled	
		2.40		.40
			" 030X-Men's Boxing Gloves, made of Gold Tan	
	013 -Men's Boxing Gloves, made of Benton Tan			
	Kid, Laced, and filled with superior quality	- 0.0	Kid, Elastic Wrist, and filled with Curled	00
	Curled Hair. Style as 024	5.35	5 Hair. Style as 020 3.	.00

The better quality of Gloves are stocked in 6 and 8 ounces. 8 ounces will be sent unless weight is specified.

STRIKING BAG GLOVES

STRIKING BAGS



	Complete with Bladders. Double Loop and Kubber Cord.			
No.	81XB-Oil Tan Yellow Bag, 27 inch	each,	\$2.30	
6.6.	81X — " " 30 "		2.50	
6.6	81 —Lined Oil Tan Yellow Bag, 30 inch	1.4	2.90	
4.6	84 — " " 30 " Double Seamed	1.6	3.10	
5.5	65 -Lined Craven Tan Dark Bag, 30 " Welt "	4.1	3.75	
14	82X — " " 30 " Double "		4.40	
	86 -Lined Green Tan " 32 " Welt "	5.4	5.15	
4.5	C -Best Grained Leather Bag, 30 " Hand Sewed	14	3.40	
4.5	C = " " " 32 " " ""	**	4,40	
	Single Loop, for using with Platform.			
No.	81 -Lined Oiled Tan Yellow Bag, 30 inch	each,	\$2.25	
+ 4	25. " Crayen Tan Dark " 30 " with Seam	**	0.10	
4.5	86 " Green Tan " " 32 " "	44	4.50	
4.6	83 " " " " " Double Seam	5 E	-6.20	
	C Best Grained Leather " 30 " Hand Sewed	4.6	2.75	

DOUBLE LOOP

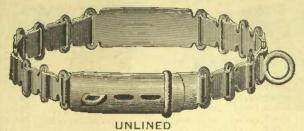
If you deal in above write for our Sporting Goods Catalogue

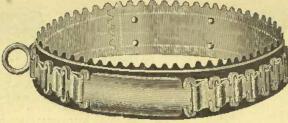
" " 39 " " 3.75



SINGLE LOOP

DOG COLLARS





LINED

UNLINED

No. 260.	1/2 inch wide,	lengths assor	orted 9 to	13 inches,	Brass,	Nickel-plated	ner dozen, \$2.00
" 261.	34 "	44 44	13 to	2.17 -4	44	A	per dozen, \$2.00

WITH HARD LEATHER LININGS

No.	250S.	1/2 inch	wide, length	s assorted	9 to 13 inches,	Brass.	Polished	-/1	7	13	er dozen	\$2.70
	2015.	34 11	ii ii	6.6	13 to 17 "	6.6	4.6				(i	3.55
	260S.	1/2 41			9 to 13 "	11	Nickel-plated		* * * * * * * * * * *		44	3.05
	261S.	3/4 "	1.6	""	13 to 17	11					16	3.75
**	282S.	1 "	16	**	17 to 21 "	21		,			6.6	-5.20

WITH CHAMOIS LINED LININGS

No.	250C.	1/2 inch	wide, lengths	assorted	9 to 13	inches	Brass,	Polishedper dozen, \$4.50	
	251C.	3/4 "	ii .	44	13 to 17	66 8	66		
1.6	260C.	1/2 "		4.6	9 to 13	**	14	Nickel-plated. 4.65	
	261C.	34 "	44	- 44	13 to 17	41		" 5.40	

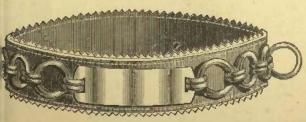


No. 427

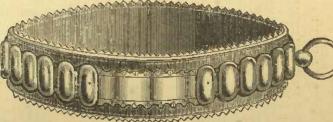


Nos. 915 and 925

No.	427,	Leng	ths as	sorted 13 to	17 inc	hes, Black	Leat	her, Nick	eled T	rimmings a	nd Stud	S		er doz.	\$18.00
1.4	406.	34 in	ch wid	le, lengths a	ssorte	d 13 to 17 is	nches	s, Russet	Leathe	er, Nickeled	Trimu	nings and	Studs	64	8.65
4.6	407.	1	16	14	120	16 to 20	6.6	14	11	10	Ger			14	10.00
6.6	415.	11/4	4.6	12	Phillips .	18 to 22	44	Black	18	1 150	44		44	6.6	13.00
6.6	465.	2	14		14	25 to 29	16	Russet	18	1 1 1 1	6.6			64	16.60
1.6	605.	1/2	6.6	4.6		9 to 13	- 64	"	44	Chamois	Lined,	Nickeled	Trimmings	44	5.75
64	915.	3/8	14	1.6	4.6	9 to 13	C.E.	At. a	- ((41	44	1.6	4.4	6.50
	925.	3/4	6.6	4.6	64	11 to 15	6.6	6.6	6.6	4.6	44	**	4.6	9.6	7.25
4.6	935.	11/4	14	44	64	14 to 20	4.1	1.1	14	44	4.6	4.6	4.6	4.6	10.00



No. 945



No. 954

No. 945. % inch wide, lengths assorted 13 to 17 inches, Russet Leather, Chamois Lined, Nickeled Trimmings, per doz., \$8.65 (954. % " 15 to 19 " " 13.90

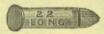
CARTRIDGES

RIM FIRE













Blank Cartridges same list as Ball Cartridges, except .22 and .32.

		Per 1000		Per 1000
B	.B. Caps	\$4.00	.38 Short	\$16.00
	.B. "		.38 Long	18.00
.5	2 Short, 50 in a box	5.00	.38 Extra Long	25.00
.5	2 " 100 "		.41 Short	15.00
.5	2 " Mushroom, 50 in a box	5.50	.41 Long	17.50
5	2 " " 100 "	5.50	.42 Calibre, No. 64, Forehand & W	30.00
.5	2 Long, 50 in a box	6.00	.44 Short	23.00
.5	2 " 100 "	6.00	.44 Long	25.00
145	2 Colt's M.R. Short, 50 in a box	5.00	44 Henry, Flat	24.00
.5	2 " " 100 "	5.00	.44 " Pointed	25.00
.5	2 " Long, 50 "	6.00	.44 C. & W.	25.00
.5	2 " " "100 "	6.00	.44 Howard Long	27.00
.5	2 Long Rifle, 50 in a box	6.00	.44 Extra Long	36.00
-5	22 " " 100 "	6.00	.46 Short Pistol	25.00
1.5	2 Extra Long	9.00	.46 Long Rifle	33.00
.5	2 Winchester	9.00	.46 Extra Long	46.00
.5	25 Short	8.50	.56-46 Spencer Sporting	40.00
.5	25 Stevens	14.00	.56-50 " Carbine	40.00
	00 Short	9.00	.56-52 " Rifle	40.00
	00 Long	10.50	.56.56 " Carbine	40.00
	2 Extra Short			** **
	22 Short		SHOT CARTRIDGES, .22 Long	11.00
	12 Long		" 32 "	22.00
	2 Long Rifle		BLANKS, .22 Short	5.00
-	2 Extra Long	16.50	" ,32 "	

CENTRAL FIRE PISTOL SIZES



Primer





Blank Cartridges same List as Ball Cartridges.

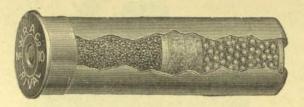
Per 1000 | Primer.

\$13.00 | No. 1 - .38.40 Marlin ...

* ******		Let 1000	Primer.	Per 1000
No.	122 Extra Long	\$13.00	No. 1 —.38-40 Marlin	\$19.00
14-	1 —.22 Winchester	15.00	" 1 —.38 Extra Long	23.00
66	125-20 Grs. Stevens' and Winchester Single		" 041 Short, Colt's Single Action	15.00
	Shot	18,00	" 041 " " Double "	15.00
66	1125-20 Marlin and Winchester	16.00	" 141 Long " " " "	17.50
66	1 —.300 Rook	15.00	" 0 — 44 S. & W. No. 3 American	10.00
66	1 —.32 Protector	9.00	" 244 " " 3 Russian	19.00
66	1 —.32 Ideal	20.00	o Russian	20.00
66	0 —.32 Short Colt's		2 44 Russian Gallery, Round Ball.	22,00
66	0 - 29 Long	11.00		25.00
44	0 — 32 Long	12,00	" 1 — 44 Merwin, Hulbert & Co	20.00
16	1 —.32 " Colt's Inside Lubricant /	12.00	" 244 Colt's	20.00
	1 — 32 " Rifle		" 144 Long Ballard	22.00
16	032 Smith & Wesson Gallery, Round Ball .	10.00	" 144 Extra Long Wesson	30.00
66	032 " "	11.00	" 1 —.44 " Ballard	30.00
	0 — 32 H. & R. or M. H. & Co.	14.00	" 1 —.44 Winchester	19.00
	1 —.32 Winchester	16.00	" 144 Colt's M. R. for Colt's Lightning Rifle.	19.00
44	132 Colt's M.R. for Colt's Lightning Rifle	16.00	" 1 —.44-40 Marlin	19.00
	1 —.32-20 Marlin	16.00	" 2144 Evans' New Model	26.00
**	11-32-30 Remington Grooved	25.00	" 1"44 " Old "	22.00
**	15 32 Extra Long Ballard	18.00	" 1 —.44 Webley	16.50
**	1532 " Smith & Wesson Rifle	20.00	" 1 —.44 Bull Dog	14.50
46	132-44 S. & W. Gallery, Round Ball	18.00	" 1 —.45 Smith & Wesson	25.00
66	132-44 " Target, Grooved	19.00	" 1 —.45 Webley	20.00
66	038 "Gallery, Round Ball	12.50	" 2 —.45 Colt's U.S.A.	22.00
4.6	0 —.38 "		" 2 —.45 " " 28 Grs	22.00
44	138-44 " Target, Grooved	23.00	" 245 " Round Ball	22.00
66	1 = .38-44 " Gallery, Round Ball	19.00	" 1 —.450 Revolver	15.00
66	0 — 38 Merwin, Hulbert & Co.	13.50	1 — 450 Revolver	10.00
66:	0 —.38 Short	13.50	" A —.50 Pistol	28.00
66	138 Long, for Colt's D.A. Pistols, etc.	14.50	SHOT CARTRIDGES, .38 W.C.F and .44 W.C.F	20.00
46	1 —.38 Winchester			
6.6	138 Colt's M.R. for Colt's Lightning Rifle	19.00	BLANKS, .32 Smith & Wesson	
	to constitution constigning kine	19.00	" .38 "	13.50

LOADED SHOT SHELLS

AMERICAN



	12 G	AUGE		
Load No.	Weight of Powder.	Weight of Shot.	Size of Shot.	Price per 1600.
100 106 96 98 122 123 124 125 126 127 128 134 135 136	3 Drs. 3 " 3 " 3 " 3 " 3 " 3 " 3 " 3 " 3 " 3 "	1 Oz. 1 1/2	10 6 6 8 2 3 4 5 6 7 8 4 5 6 8 8 8	\$25.00 25.00 26.00 26.50 26.50 26.50 26.50 26.50 26.50 26.50 27.00 27.00 27.00 29.50

10 GAUGE											
Load No.	Weight of Powder.	Weight of Shot.	Size of Shot.	Price per 1000.							
240	4 Drs. 4 " 4 " 4 " 4 " 4 " 4 " 4 " 4 " 4 " 4 "	1% Oz. 1% " 1% " 1% " 14 " 14 " 14 " 14 " 15 " 16 "	10 4 6 7 6 8 4 5 6 7 8 2 3 6 8	\$29.00 29.00 29.00 29.00 30.00 30.50 30.50 30.50 30.50 30.50 30.50 31.50							

DOMINION TRAP, 12 GAUGE											
Load No.	Weight of Powder.	Weight of Shot.	Size of Shot.	Price per 1000.							
D	3 Drs. 3 " 3 " 3 " 3 " 3 " 3 " 3 " 3 " 3 " 3	1%Oz 1%" 1%" 1%" 1%" 1%" 1%" 1%" 1%" 1%"	4 5 6 7 8 10 3 4 5 6	\$20.50 20.50 20.50 20.50 20.50 20.50 21.00 21.00 21.00 21.00							
G	31/4 " 31/4 " 31/4 " 31/2 " 31/2 " 31/2 "	11/8 " 11/8 " 11/8 " 11/8 " 11/8 " 11/8 " 11/8 " 11/8 "	7 8 10 3 4 5 6 8 10	21.00 21.00 21.00 21.50 21.50 21.50 21.50 21.50 21.50							

DOMIN	AION II	TAP, TO	GAUGE	10 10 10 10
Load No.	Weight of Powder.	Weight of Shot.	Size of Shot.	Price per 1000.
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 Drs. 4 "4 "4 "4 "4 "4 "4 "4 "4 "4 "4 "4 "4 "	1¼ Oz. 1¼ " 1¼ " 1¼ " 1¼ " 1¼ " 1¼ "	3 4 5 6 8 10 3 4 5	\$23.50 23.50 23.50 23.50 23.50 23.50 24.00 24.00 24.00 24.00
U	414 "	拉 "	8 10	24.00 24.00

DOMINION TRAP TO GALIGE

HAND LOADED SMOKELESS SHOT SHELLS

Loaded with C. & H. Amberite Powder.

	12 G	AUGE		· 10 GAUGE					
Weight of Powder.	Weight of Shot.	Size of Shot.	Price per 1000.	Weight of Powder,	Weight of Shot,	Size of Shot.	Price per 1000.		
3 Drs.	1½ Oz.	Any number 1 to 10	\$47.75	3½ Drs.	1¼ Oz.	Any number 1 to 10	\$52.50		

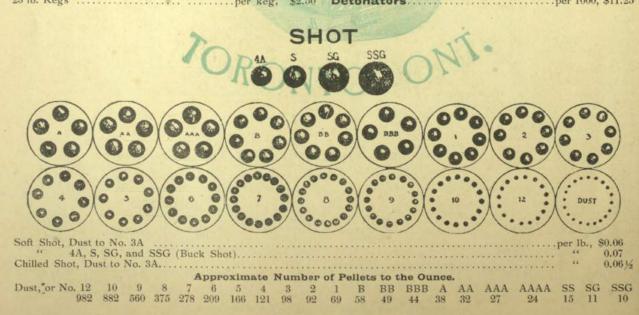
Price on application of any Special Loads.

POWDER

SOLE AGENTS FOR CURTIS'S & HARVEY'S BLACK AND NITRO POWDERS

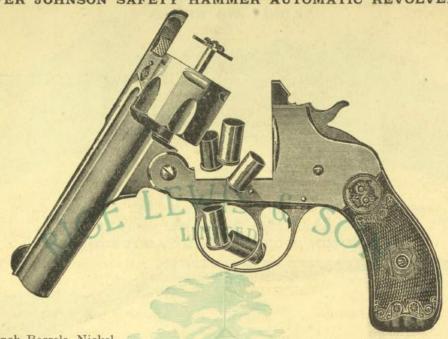


C. & H. Black Powder	C. & H. Amberite Smokeless Powder
25 b. Kegsper keg, \$5.30 5.65 5.95 9.40	
C. & H. "Honker" Ducking Powder Coarse or Medium Grain. Pounds. 25 12½ 6¼ 1 Per Tin \$12.50 6.50 3.30 0.55	Amberite Smokeless Powder contains no Nitro-Glycerine, gives a high muzzle velocity with low pressure, and is quick in ignition. It is a hard, clean grain, and practically unaffected by cold, heat or moisture. It is a safe and pleasant powder to shoot with, and loads measure for measure with Black Powder.
C. & H. Celebrated "Diamond Grain"	Savage Smokeless Powder
Nos. 4 6 25 lb. Kegs. per keg, \$18.75 18.75 12½ " 10.16 1 lb. Tins per doz., 11.22 ½ " 6.25	No. 1
Hamilton Blasting Powder	30% 40% 50% 60% 75% Price on application.
25 lb. Kegs per keg \$9.56	



REVOLVERS

IVER JOHNSON SAFETY HAMMER AUTOMATIC REVOLVERS



.32	Calibre,	3-inch	Barrels.	Nickel	 ach,	\$5.50
.32	46	3			6.6	6 15
.32	44	6	44	Nickel	 6.6	7.85
.38	44	31			 64	5.50
.38	46	31	44		6.6	6.15
.38	44	6	66	Nickel	 66	7.35

IVER JOHNSON SAFETY HAMMERLESS AUTOMATIC REVOLVERS



.32	Calibre.	3-inch	Barrels.	Nickel	each,	\$6.75
.32	66	3 .		Blued		7.35
.32	66	6 "		Nickel	4.4	8.60
.38	Li	31 "		Nickel		6.75
.38	- 66	31 .		Blued		7.35
.38	**	6 .		Nickel	44	8.60

We have a large assortment of Revolvers.

RIFLES

"KING" AIR RIFLES



"King" Repeater, Varnished Wood Stock; holds 150 BB Shot Single Shot, " " shoots BB Shot...

.....per doz., \$14.30

REMINGTON SPORTING AND TARGET RIFLES



WINCHESTER REPEATING RIFLES



SPORTING RIFLE, MODEL 1894

SPORTING RIFLE, MODEL 1886

SAVAGE HAMMERLESS SPORTING RIFLES



 26-inch Round Barrel, holds 6 Cartridges, Weight 7½ lbs.
 each, \$25.00

 26 "Half Octagon Barrel, holds 6 Cartridges, Weight, 7½ lbs.
 " 26.50

 26 "Full" "6 "7¾" "26.50

Can also supply Carbine same make as this Rifle.

We can supply any Style or Make of Rifle

DOUBLE BARREL BREECH LOADING CUNS



GENUINE BAR LOCKS, EXTENSION RIBS

No.	C-Fine Imitation Twist, Rebounding Locks, Pistol Grip, Checkered Butt, 12 Bore et	ach, S	\$12.75
5.5	C— " " " " " 10 "	6.6	13.25
	THE PARTY OF THE PROPERTY OF THE PARTY OF TH		
44	D-Imitation Boston Damascus, Rebounding Locks, Pistol Grip, Checkered Butt, Double		
	Bolt, Matted Rib, 12 Bore	6.6	14 25
			11.20
14	D-Imitation Boston Damascus, Rebounding Locks, Pistol Grip, Checkered Butt, Double		
			1 1 1 1 1 1
	Bolt, Matted Rib, 10 Bore		15.00
	I Comming Twint Rehaunding Locks Duckey & Edge Fore End Matted Rib Fine		
	J-Genuine Twist, Rebounding Locks, Deeley & Edge Fore End, Matted Rib, Fine		
	Engraving, Full Pistol Grip with Plate, Extra Fine Polished Barrels, Left Barrel		
			17.05
	Choked, 12 and 16 Bore		17.25
44	[—The same, 10 Bore	44	18.00
-	- THE Same, TO Dote		10.00



No.	. E-Imitation Fine Damascus, Full Pistol Grip with Shield, Greener Bolt, Deeley & Edge		
	Fore End, Matted Rib, 12 Boreea	ach,	\$17.75
64	L-Boston Damascus Barrels, Best Quality Bar Lock, Rubber Butt, Rebounding Lock,		
	Pistol Grip, Greener Bolt, 12 Bore	46	25.25
4.6	L—The same, 10 Bore	64	26.00

We have in stock a number of high-grade Guns.

BREECH LOADING GUNS



REMINGTON SINGLE BREECH LOADING GUNS



No. 3—Top Lever, Blued Steel Barrel, Rebounding Lock, Side-Cocking Lever, Pistol Grip, Choke
Bore, 12 or 16 Bore......each, \$13.25

BREECH LOADING DOUBLE BARREL GUNS



No. A—Fine Imitation Twist, Rebounding Locks, Pistol Grip, Checkered, 12 Bore.....each, \$11.00

"B— " " Matted Rib, Engraved, 12 and 16 Bore, " 11.50

We keep all kinds of Guns and Rifles

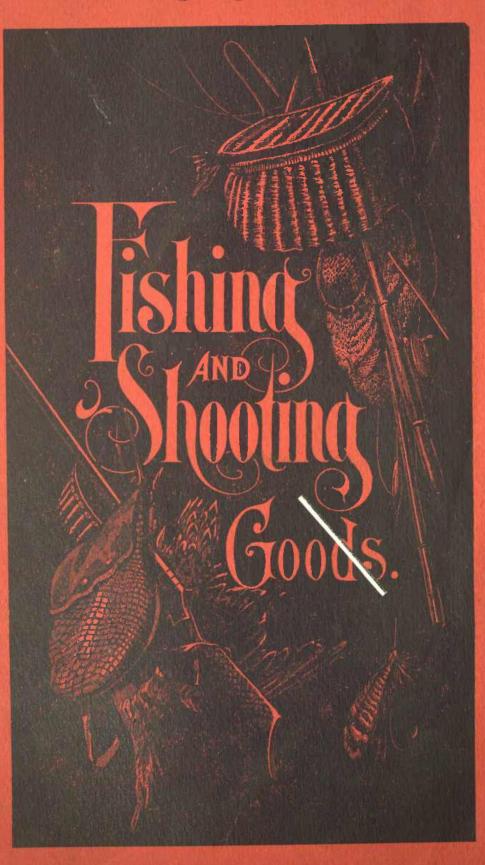
INDEX

A PAGE	PAGE
Adjusters, Chain	Dies, Screw Cutting69, 70
Adjustable Handle Bars 20	Dog Collars 87
Air Compressor Valve	Drills
Anvils	Dynamite
R	F
Baby Carriers	Emergency Bands 61
Bags, School	Emery Powder and Cloth 71
" Tool 38	Emery Wheels
Ball Heads	Emery Wheel Dresser 71
Balls, Cricket 83	Enamel Brushes 67
" Steel 24	Enameling Oven
Base Balls	Enamel
Bats	E E
Bells	= Figures Steel Marking
Bellows 68	Figures, Steel Marking
Bent Bars	File Cleaners 71
Bicycle Stands	Fishing Tackle
Rlow Pines 68 M	T Fittings, Ball Head 3
Bolts	Machined
Bicyclene 61 Blow Pipes 68I M Bolts 3, 10, 13, 26, 35 Boracic Acid 68	" Pressed Steel 4, 5, 6, 10, 11, 12, 13, 14, 15
Вогах 08	" Sets 3, 4, 5, 6 Forges
Braces, Mud and Chain Guard	Forgings
Brackets	Foot Pumps 42, 43
Brakes	Fork Crowns
Brazers 68	Crown Tips
Brazing Graphite	" Ends, Rear
Brushes	" End Tips
Buffers, Handle Bar	Forks 11, 18
B. S. A. Sundries	G
0	Gasoline Brazer 68
Calipers 73	Gas Lamps
Canvas, Repair	Gauges 75
	Property Communication of the
Carbide 57	Gear and Gear Table
Carbide	Gloves, Boxing and Striking Bags 86
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89	Gloves, Boxing and Striking Bags. 86 Golf Sticks and Balls 84 Graphite 49, 68
Carbide	Gloves, Boxing and Striking Bags 86 Golf Sticks and Balls 84 Graphite 49, 68 Grips, Cork, Leather or Rubber 22
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 " Kettles 66	Gloves, Boxing and Striking Bags.
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 " Kettles 66 Centre Gauges 75	Gloves, Boxing and Striking Bags 86 Golf Sticks and Balls 84 Graphite 49, 68 Grips, Cork, Leather or Rubber 22
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 " Kettles 66 Centre Gauges 75 " Punches 76	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 " Kettles 66 Centre Gauges 75 " Punches 76 " Reamers 72	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 " Kettles 66 Centre Gauges 75 " Punches 76 " Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 " Kettles 66 Centre Gauges 75 " Punches 76 " Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 " Brushes 43	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 32	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 32	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 " Kettles 66 Centre Gauges 75 " Punches 76 " Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 " Brushes 43 " Guard Irons 23, 24 " Guard Irons 25 Chasers 70 Chucks 76	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 " Kettles 66 Centre Gauges 75 " Punches 76 " Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 " Brushes 43 " Guards 23, 24 " Guard Irons 25 Chasers 70 Chucks 76 Clamps, Ball Head 3, 10, 10	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Chucks 76 Clamps, Ball Head 3, 10, 10 "Saddle 38	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Chucks 76 Clamps, Ball Head 3, 10, 10 "Saddle 38 Clubs, Indian 85	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 25 Chasers 70 Chucks 76 Clamps, Ball Head 3, 10, 10 "Saddle 38 Clubs, Indian 85 Clusters 13	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Chucks 76 Clamps, Ball Head 3, 10, 10 "Saddle 38 Clusters 13 Coasters 27, 59 Cones 3, 7, 10, 15, 35	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Chucks 76 Clamps, Ball Head 3, 10, 10 "Saddle 38 Clubs, Indian 85 Clusters 13 Cones 27, 59 Cones 3, 7, 10, 15, 35 Connections, Pump 42	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Chucks 76 Clamps, Ball Head 3, 10, 10 "Saddle 38 Clubs, Indian 85 Clusters 13 Coasters 27, 59 Cones 3, 7, 10, 15, 35 Connections, Pump 42 Cotter Pins 3, 16	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Chucks 76 Clamps, Ball Head 3, 70, 10 "Saddle 38 Clubs, Indian 85 Clusters 13 Coasters 27, 59 Cones 3, 7, 10, 15, 35 Connections, Pump 42 Cotter Pins 3, 16 Countersinks 72	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Clucks 70 Cluskers 70 Clusters 13 Coasters 27, 59 Cones 3, 7, 10, 15, 35 Connections, Pump 42 Cotter Pins 3, 16 Countersinks 72 Crank Axle Fittings 3	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Chucks 76 Clamps, Ball Head 3, 10, 10 "Saddle 38 Clubs, Indian 85 Clusters 13 Coasters 27, 59 Cones 3, 7, 10, 15, 35 Connections, Pump 42 Cotter Pins 3, 16 Countersinks 72 Crank Axle Fittings 3 "Hangers 2 or 3 Cranks 3, 9, 16, 19, 35	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Chucks 76 Clamps, Ball Head 3, 10, 10 "Saddle 38 Clubs, Indian 85 Clusters 13 Coasters 27, 59 Cones 3, 7, 10, 15, 35 Connections, Pump 42 Cotter Pins 3, 16 Countersinks 72 Crank Axle Fittings 3 "Hangers 2 or 3 Cranks 3, 9, 16, 19, 35 Cricket Bats 3, 9, 16, 19, 35	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Chucks 76 Clamps, Ball Head 3, 10, 10 "Saddle 38 Clusters 13 Coasters 27, 59 Cones 3, 7, 10, 15, 35 Connections, Pump 42 Cotter Pins 3, 16 Countersinks 72 Crank Axle Fittings 3 "Hangers 2 or 3 Cranks 3, 9, 16, 19, 35 Cricket Bats 83 Crown Tips 11	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Chucks 76 Clamps, Ball Head 3, 10, 10 "Saddle 38 Clubs, Indian 85 Clusters 13 Coasters 27, 59 Cone 3, 7, 10, 15, 35 Connections, Pump 42 Cotter Pins 3, 16 Countersinks 72 Crank Axle Fittings 3 "Hangers 2 or 3 Cranks 3, 9, 16, 19, 35 Cricket Bats 83 Crown Tips 11, 10	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Chucks 70 Clamps, Ball Head 3, 70, 70 "Saddle 38 Clubs, Indian 85 Clusters 13 Coasters 27, 59 Cones 3, 7, 10, 15, 35 Connections, Pump 42 Cotter Pins 3, 16 Countersinks 72 Crank Axle Fittings 3 "Hangers 20 or 3 Crank Extensions 3, 9, 16, 19, 35 Cricket Bats 3, 7, 10, 15, 35 Crown 11, 19 Cups 3, 7, 10, 15,	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Clucks 70 Clukes 70 Clusters 13 Coasters 27, 59 Cones 3, 7, 10, 15, 35 Connections, Pump 42 Cotter Pins 3, 16 Countersinks 72 Crank Axle Fittings 3 "Hangers 2 or 3 Cranks 3, 9, 16, 19, 35 Cricket Bats 83 Crowns 11, 19 Cups 3, 7, 10, 15, 35 Cycle Enamel	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Chucks 70 Clamps, Ball Head 3, 70, 70 "Saddle 38 Clubs, Indian 85 Clusters 13 Coasters 27, 59 Cones 3, 7, 10, 15, 35 Connections, Pump 42 Cotter Pins 3, 16 Countersinks 72 Crank Axle Fittings 3 "Hangers 20 or 3 Crank Extensions 3, 9, 16, 19, 35 Cricket Bats 3, 7, 10, 15, 35 Crown 11, 19 Cups 3, 7, 10, 15,	Gloves, Boxing and Striking Bags 86 Golf Sticks and Balls 84 Graphite 49, 68 Grips, Cork, Leather or Rubber 22 Spoke 46 Guards, Mud 23, 41 " Dress 25 " Trouser 47 Guns 93, 94 H Hack Saws 71 Hammers 78 Hammocks 85 Hand Drills 77 " Pumps 42, 43 Handle Bars 20, 21 " Bar Clamps 3 " Expanders 20 " Stems 12 " Stems 12 " Tees 12 Hangers 2, 7, 8, 9, 10 Hard Tire Cement 61 Heads 2, 6, 10 Holders, Bicycle 60 Hooks, Fish 80 Hub Sprockets 3 "Steps 3 Hubs 2, 27, 28, 29, 30 Inner Tubes 63
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Chucks 70 Clamps, Ball Head 3, 70, 10 "Saddle 38 Clubs, Indian 85 Clusters 13 Coasters 27, 59 Cones 3, 7, 10, 15, 35 Connections, Pump 42 Cotter Pins 3, 16 Countersinks 72 Crank Axle Fittings 3 "Hangers 20 or 3 Cricket Bats 3, 9, 16, 19, 35 Cricket Bats 3, 7, 10, 15, 35 Cycle Enamel 67 Cyclist's Knife 41<	Gloves, Boxing and Striking Bags
Carbide 57 Carriers, Parcel 39 Cartridges 88, 89 Casing Tools 66 Cement 61 "Kettles 66 Centre Gauges 75 "Punches 76 "Reamers 72 Chains and Parts 26 Chain Adjusters 3, 12 "Brushes 43 "Guards 23, 24 "Guard Irons 25 Chasers 70 Clucks 70 Clukes 70 Clusters 13 Coasters 27, 59 Cones 3, 7, 10, 15, 35 Connections, Pump 42 Cotter Pins 3, 16 Countersinks 72 Crank Axle Fittings 3 "Hangers 2 or 3 Cranks 3, 9, 16, 19, 35 Cricket Bats 83 Crowns 11, 19 Cups 3, 7, 10, 15, 35 Cycle Enamel	Gloves, Boxing and Striking Bags 86 Golf Sticks and Balls 84 Graphite 49, 68 Grips, Cork, Leather or Rubber 22 Spoke 46 Guards, Mud 23, 41 " Dress 25 " Trouser 47 Guns 93, 94 H Hack Saws 71 Hammers 78 Hammocks 85 Hand Drills 77 " Pumps 42, 43 Handle Bars 20, 21 " Bar Clamps 3 " Expanders 20 " Stems 12 " Tees 12 Hangers 2, 7, 8, 9, 10 Hard Tire Cement 61 Head Fittings 3, 10 " Stems 19 " Lugs 3, 12 " Stems 9 Holders, Bicycle 60 Hooks, Fish 80 Hub Sprockets 3 " Steps 3 Hubs 2, 27, 28, 29, 30 Inner Tubes

L DAGE		Carrier .
Lacing 25	Rubber, Repair	GE
" Loops 25	" Solution	61
Lacrosse Sticks 84	Rules, Steel	75
Lamps and Oil	Rust, Remove	49
Lamp Brackets 3, 59 Lathe Dogs 76	S	
Lawn Tennis Balls 84	Saddles	37
" Rackets 84	Saddle Clamps Saws, Hack	38
Leather Grips 22	Screw Plates	60
Lever Pumps 43	" Driver44,	46
Letters, Steel Marking 76	Screws, Crank End 3.	15
Liquid Tire Cement	" Pitch Gauges	75
Locking Pins 3	Seat Post Lugs	17
Lock Nuts	" Tees." Posts	12
Lubricant	Sets Fittings	. 6
Luggage Carriers	Shot	90
Lugs	Sides, Chain	26
Machine Screws	Solution	66
Machined Fittings	Solution Speed Indicator	61
Metal Polish	Spelter	73 68
" Shears	Spiders	17
Micrometer Gauge	Spokes	26
Mud Guards	T Spoke Grips	46
N	Sprocket Guards	24
Nipple Washers	Stands, Bicycle	60
ir Screwdriver 44, 46	Stay Tips	
" Wrenches 46	Stays, Rear	18
Nipples	Steel Balls	24
" Pump	" Wire Brushes Wool	68
0	Steering Tubes	19
Odometer 47	Stems, Valve	62
Oil Cups	Striking Bags	86
" Cycle	Strats	12
" Hole Covers	Sulky Hubs	43
Oilers48, 76	" Rims	23
Ovens, Enameling 67	TEN PROPERTY T	
D.d.	Tandem Rims	23
Pads	" Hangers	9
Parcel Carrier 39	Taps and Dies	67
Patch Rubber 61	Thimbles	14
Patches, Vulcanizing	Tire Brushes	43
Pedals and Parts	" Tape	64
Pitching Shot	" Tape	64
Plugs 64	Toe Clips and Trippers	55
Plugging Cement 61	Tool Bags	
Pliers	Tongs, Blacksmith	78
Pressed Steel Fittings 3	Torch, Enameling Oven	
Protector, Inflated Body 83	Trolling Baits	81
Pump Clips 43	Trouser Guards	47
" Tubing	Truing Stand	46
Punches	Tread Bands	63
Q	Tube Horn	66
Quoits	Tubing	19
Pagazara	V	
Reamers	Varnish	67
" Forks 18	Valve, Tubing	62
" Stay Tips 2		64
" Stays 18	Vises74,	
Reels		66
Repair Kits	W	
Revolvers 91	Washers	1
Rim Countersink and Drill 24		52
Rims, Wood	Wire Gauges	75 21
Rifles	" Mud Guards	
Rods, Fishing 79	" Rims	23
Rubber Mud Guards 41	" Rim Washers	
" Pedals, 2, 35	Wrenches 44, 45, 46,	10



FURNISHINGS HOUSE



CUTLERY

BUILDERS HARDWARE