

Catalogue No. 34

**HYSLOP  
BICYCLES**  
— AND —  
**Accessories**

Wholesale Only

19 22



**HYSLOP BROTHERS, LIMITED**

**SHUTER AND VICTORIA STREETS**

**TORONTO**

**ONTARIO**

**ESTABLISHED 1889**

# **TO THE TRADE ONLY**

## **Quality and Service to Dealers**

The first aim of this house is to see that its patrons are satisfied.

High quality of merchandise, courteous treatment and honest values at your service.

**HYSLOP BROTHERS, LIMITED**  
SHUTER and VICTORIA STS.  
TORONTO

## Introduction

When a firm engaged in building Bicycles, for 33 years, can withstand the forces of competition and still retain its leadership, then it is safe to assume that the product is worthy, that it has kept abreast of the times, and that it has won public approval. That in short, is the reason for the progress, longevity and favorable reputation enjoyed by Hyslop Brothers, Limited.

The Dominion-wide popularity of Hyslop Bicycles is due mainly to their exceptional quality and dependability. The models illustrated on the following pages, represent the last word in Bicycle manufacture. Only the very latest equipment, coupled with high grade material and expert workmanship enter into the construction of all Hyslop Bicycles, as will be noted by referring to specifications. These features in addition to their superior design are responsible for the strength, handsome appearance, and remarkably easy riding qualities, which have given leadership to Hyslop Bicycles during these 33 years.

The accessories, tires and supplies listed in this catalogue have been selected with a view of supplying the trade with a complete line of such articles as are required by Bicycle Riders. The entire assortment is a quality line and will prove invaluable in creating bigger sales for dealers.

### GUARANTEE

The liberal policy regarding the guarantee on Hyslop Bicycles which has prevailed during the past thirty-three years will be continued.

Material proving defective will be replaced, but no claim for labor or damage will be allowed. All defective parts are to be returned for examination, transportation charges prepaid, but no claim for replacements will be allowed if caused from accident, abuse or neglect.

Dunlop Tires are also guaranteed by us against defective material and workmanship for periods as established by the makers. See pages 82 to 84. Should any defect occur in a Dunlop cover or tube, return it to us, prepaid, with full particulars as to the nature of the complaint, length of service, etc., in order to help us arrive at a prompt and satisfactory adjustment. The guarantee does not cover punctures, or tubes damaged by being improperly fitted in the covers.

All parts or tires on which a claim is made must be forwarded to us prepaid by the dealer and not by the rider, together with the serial number of the Bicycle.

Goodyear Tires are guaranteed by The Goodyear Tire and Rubber Co. of Canada, Limited, and should be returned to their nearest branch for adjustment.

### TERMS

Terms 30 days net. All prices are based on delivery f.o.b. warehouse Toronto, Ontario. Firms with whom we have no account, if not rated in the Commercial Agencies, should furnish names of at least three parties from whom they are buying goods on credit as references. **Delays necessitated by making enquiries regarding the responsibility may be avoided by instructing us to ship C.O.D., by express or freight with Bill of Lading attached to Sight Draft.** Such orders should be accompanied by remittance of not less than 25% of purchase price.

All prices subject to change with or without notice.

### PARCEL POST

Where instructions are given to ship by parcel post, an extra charge of 5c per package will be made for goods having a value of less than \$1.00, and 10c per package for articles valued at \$1.00 and over. These extra charges are in addition to the regular rate of postage and are made to cover insurance of goods against loss in transit.

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## BACK ORDERS

For thirty-three years Hyslop Bicycles have been made in Toronto and shipped to all points of the Dominion. Our present volume of business can largely be attributed to the immediate consideration given to all orders.

Should an occasion arise where an article might be temporarily "out of stock," due to causes beyond our control, the shipment itself will not be delayed as the other goods on order will go forward at once, and we will notify you of the items back ordered, giving approximate shipping date, and unless notified to the contrary by you, goods will go forward on that date. We do not pay transportation charges on back orders.

## HOW SHALL WE SHIP?

Always state on your order how goods are to be shipped, whether by freight, express or parcel post. Unless complete shipping instructions accompany each order we select which, in our judgment, is the most economical route and method.

## RESPONSIBILITY AND CLAIMS

All orders are carefully packed by experienced men and our responsibility ceases when goods have been delivered to the Transportation Company and a clean receipt or bill-of-lading issued to us showing acceptance of the shipment in good order. All claims for damaged or broken shipments should be entered with express or freight agent at destination. We are, however, always ready to render customers every possible assistance in establishing such claims.

All claims for shortages must be made within five days after receipt of goods.

## RETURNED GOODS

When orders have been CORRECTLY FILLED we cannot allow the return of goods unless our consent has been obtained. If permission is granted, and goods are returned, prepaid, within thirty (30) days from the date of shipment in the same condition as when originally shipped by us, they will be credited at price charged less ten per cent (10%) service and re-handling charge.

## HOW TO RETURN GOODS

When articles are returned to us, do not enclose instructions with the goods. Write a letter and mail it separately, giving full information, date of purchase, shipping order, number, etc., as no package is accepted by our Receiving Department until advice is received by mail. Be sure to mark your name and address plainly on the package so we will know who it is from and thus avoid delays and unnecessary correspondence.

## IMPORTANT NOTICE

All prices appearing in this catalogue are subject (with or without notice) to change, or advance, due to any new additional government duties, or taxes levied. Should any of the said duties or taxes be withdrawn thereafter, the advance, if any, made to cover same, shall also be withdrawn.

# Hyslop Brothers, Limited

Shuter and Victoria Sts.

Toronto, Canada

March 15th, 1922

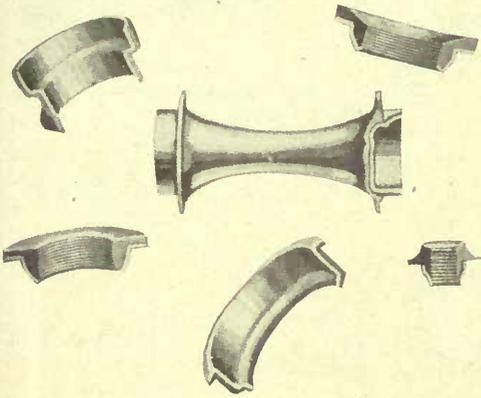
Wholesale Only

## Mechanical Features of Hyslop Bicycles

As a "chain is no stronger than its weakest link," the strength of a bicycle can only be determined after the component parts are assembled in one unit.

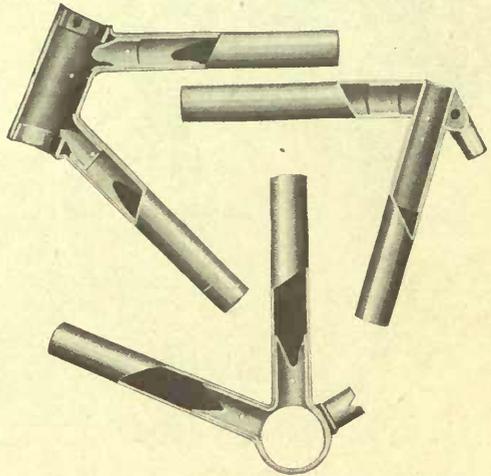
There are no weak points in Hyslop Bicycles. For over 33 years they have been noted for their durability, handsome appearance and remarkably easy riding qualities. The illustrations shown below will give a good idea as to the design and **great strength** of some of the vital parts entering into the manufacture of Hyslop Bicycles, and the same painstaking attention to detail and accuracy is extended throughout the construction of the entire machine.

### Special Hyslop Cups and Cones

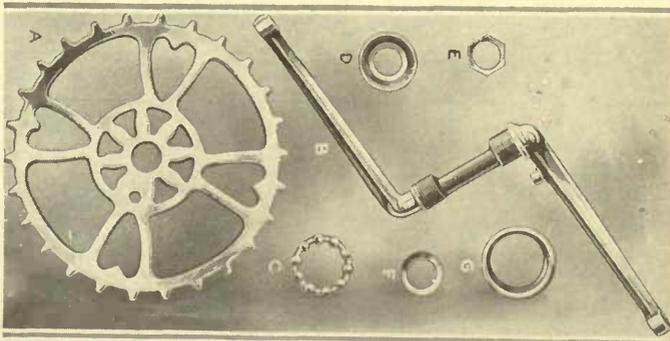


The cups and cones used in the construction of Hyslop Bicycles are specially heat-treated. They are case hardened only on such surfaces as receive the direct wear, to a sufficient depth to hold the load. (See illustration.) This gives the proper wearing surface for the balls, but tends to remove all brittleness from the other parts.

### Hyslop Frame Reinforcements in Sections



This cut shows the great strength of the improved reinforced joint construction of the Hyslop frame. The dip-brazing method makes for perfect amalgamation throughout the joint and entire length of the reinforcement. Every part carefully tested before being assembled.



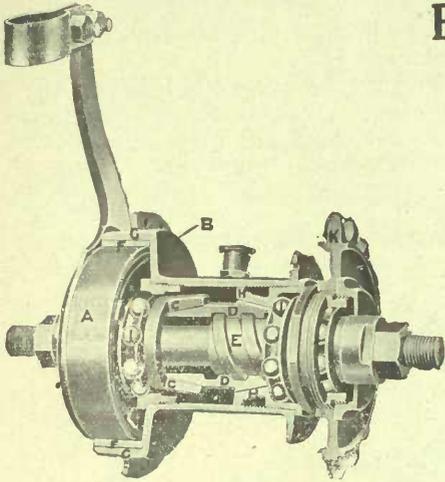
### Hyslop Crank Hanger

The design and construction of the Hyslop Hanger is correct. The cranks are of the one-piece, drop-forged, diamond-faced type, the sprocket is extra strong, the ball bearing surface is large, ball retainers are used, insuring perfect adjustment. The Hyslop Hanger is strong, durable and perfect running. This Hanger is regular equipment on all Hyslop Bicycles.

## Eadie Coaster Brake

The Eadie Coaster Brake is standard equipment on all models of Hyslop Bicycles, except Auto Bike and Juveniles. This brake is fitted with a positive drive (see illustration) and will give utmost satisfaction.

The Eadie links simplicity with security and is an ideal combination of a frictionless free wheel and perfect brake. Its direct action enables the rider to keep control of his bicycle down the steepest hill and is manufactured in such a manner as to make the hub run as freely as an ordinary fixed hub.



Sectional View of Eadie Coaster Brake

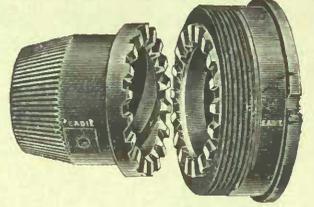
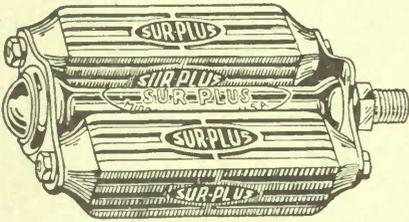


Illustration showing positive drive on Eadie Coaster Brake

## Surplus Solid Rubber Pedal



The new Surplus pedal will be used as standard equipment on all Bicycles during 1922 excepting the Juvenile Models. The constructional design of this pedal is correct; the main barrel is turned from one piece; the axle is correctly made and hardened. The adjusting cone is constructed from the finest steel obtainable and is much larger than the ordinary cone, and in addition is fitted with special retainers, and 3/16 inch steel balls.

## The Hyslop Trade Mark

The Hyslop Trade Mark as illustrated, will be found on the frame seat post tube of every Hyslop Bicycle. It is the hall-mark of quality in material and workmanship; it denotes exacting care in construction and assembly, which is the reason for the strength and easy running qualities which characterize every Hyslop Bicycle.

This Trade Mark is also a protection for dealers and riders against inferior makes and serves as a guarantee against any defects in material and labor. No Hyslop Bicycle is genuine unless it bears this Trade Mark.



# Hyslop Ladies' Model

(Equipment "B")



Price, Hyslop Ladies' Equipment "B"..... \$50.00

## SPECIFICATIONS

**FRAME**—Best Cold-rolled steel tubing, one in, diameter in main tubes.

**HEIGHT**—20 in. only.

**FRONT FORK**—One-piece drop-forged crown, tapered fork sides.

**HANGER**—Hyslop one-piece drop-forged diamond-faced cranks.

**PEDALS**—Solid rubber type, fitted with special retainers and 3/16 in. steel balls.

**CHAIN**—Roller 3/16 in. wide, 1 in. pitch.

**RIMS**—Wood enamelled to match frame.

**HUBS**—High grade front hub, Eadie coaster brake in rear wheel.

**GRIPS**—Leather wound with nickel ferrule.

**MUDGUARDS**—Steel, black enamelled, rear-drilled for dress cord, double rear stay, Single front stay; enamelled steel chain guard.

**TIRES**—Dunlop Imperial Studded. Guaranteed one season.

**SADDLE**—Ladies' 3-coil enamelled springs.

**TOOL BAG**—Leather with two wrenches and oil can.

**PUMP**—Frame type 10 in. long complete with clip.

**FINISH**—Best black enamel, bright parts heavily nickel plated.

# Hyslop Men's Model

(Equipment "B")



## PRICE

Enamelled black (standard color) ..... \$50.00

## SPECIFICATIONS

**FRAME**—Best cold-rolled steel tubing, 1 in. tubing in main tubes, long wheelbase.

**SIZES**—20, 22, 24, and 26 in.

**FRONT FORK**—Single piece drop-forged crown, tapered fork sides.

**HANGER**—Hyslop one-piece, drop-forged, diamond-faced cranks.

**PEDALS**—Solid rubber type, fitted with special retainers and 3/16 in. steel balls.

**CHAINS**—High grade Roller.

**RIMS**—Wood enamelled in standard colors.

**HUBS**—High grade front hub, Eadie coaster brake in rear wheel.

**GRIPS**—Leather wound, with nickel ferrule.

**TIRES**—Dunlop Imperial, guaranteed for one season.

**SADDLE**—Bon Ton Saddle ; option Moto-bike No. 3.

**TOOL BAG**—Leather, with two wrenches and oil can.

**PUMP**—Frame type 10 in. long, complete with clip.

**FINISH**—Standard color, black enamel.

# Hyslop Men's Aviator Model

(Equipment "B")



## PRICE

Enamelled Maroon with striping ..... \$50 00

## SPECIFICATIONS

**FRAME**—Best cold-rolled steel tubing, 1 in. tubing in main tubes, long wheelbase.

**SIZES**—22 in. straight bar, 22 in. drop, 20 in. curved bar.

**FRONT FORK**—Single piece drop-forged crown, tapered fork sides.

**HANGER**—Hyslop one-piece, drop-forged diamond-faced cranks.

**PEDALS**—Solid rubber type, fitted with special retainers and 3/16 in. steel balls.

**CHAINS**—High grade roller.

**RIMS**—Wood enamelled in standard colors.

**HUBS**—High grade front hub, Eadie coaster brake in rear wheel.

**GRIPS**—Leather wound, with nickel ferrule.

**TIRES**—Dunlop Imperial, guaranteed for one season.

**SADDLE**—Bon Ton, option Motobike No. 3.

**TOOL BAG**—Leather, with two wrenches, and oil can.

**PUMP**—Frame type 10 in. long, complete with clip.

**FINISH**—Standard color, maroon with striping.

# Hyslop Men's Model

(Equipment "A")



## PRICE

Enamelled black (Standard color) ..... \$60.00

## SPECIFICATIONS

**FRAME**—Best cold-rolled steel tubing, 1 in. diameter in main tubes, long wheelbase.

**SIZES**—20, 22, 24 and 26 in. frame, 22 in. drop 20 in., 20 in. drop 18 in.

**FRONT FORK**—Single piece, drop-forged crown, tapered fork sides.

**HANGER**—Hyslop, one piece, drop-forged, diamond-faced cranks.

**PEDALS**—Best quality solid rubber type, fitted with special retainers and 3/16 in. steel balls.

**CHAIN**—High Grade Roller.

**HUBS**—New Departure front hub, Eadie coaster brake built in rear wheel.

**RIMS**—Wood enamelled in standard colors.

**GRIPS**—Best quality leather with nickel ferrule.

**TIRES**—Dunlop Traction Cord guaranteed 12 months.

**SADDLE**—Steel girder base, double coil nose springs, heavy rear spiral springs.

**TOOL BAG**—Best grain leather, with two wrenches and oil can.

**PUMP**—Frame type, with self contained connections.

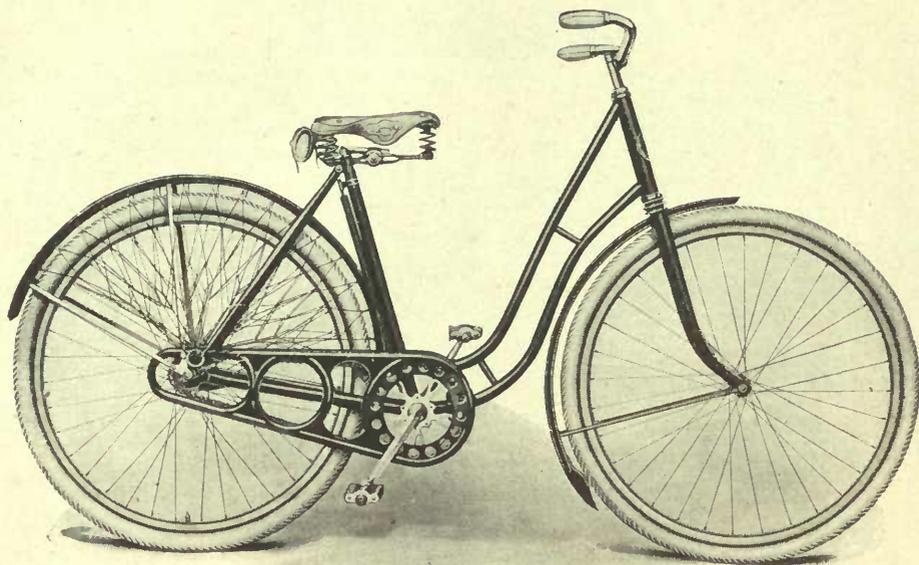
**FINISH**—Standard color, black enamel with gold striping.

## COLOR OPTIONS

No. 6—Maroon with striping, 22 in. and 22 in., drop 20 in. only, rims and mudguards to match, without extra charge.

# Hyslop Ladies' Model

(Equipment "A")

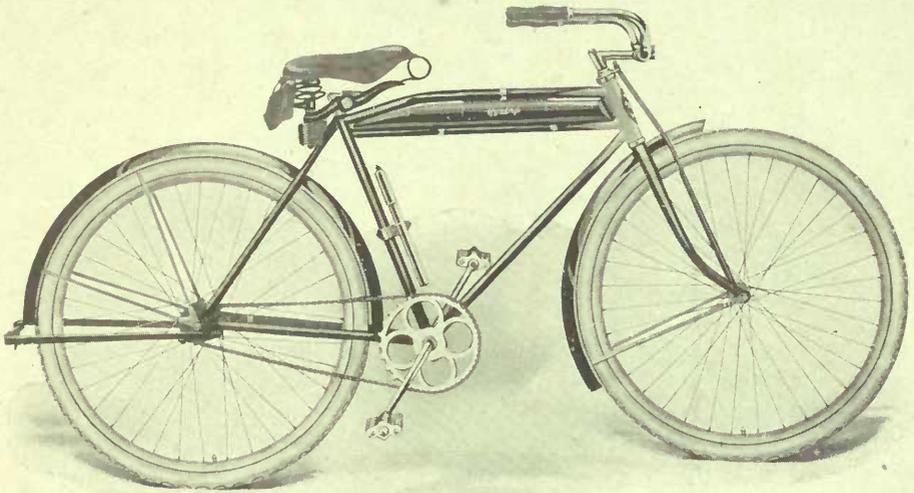


Price, Hyslop Ladies' Equipment A ..... \$60.00

## SPECIFICATIONS

- |  |   |
|--|---|
| <p><b>FRAME</b>—Best cold-rolled steel tubing, 1 in. diameter in main tubes, long wheel base.</p> <p><b>HEIGHT</b>—20 in. frame only.</p> <p><b>FRONT FORK</b>—One-piece drop-forged crown.</p> <p><b>CRANKS</b>—Hyslop one-piece drop-forged, diamond-faced cranks.</p> <p><b>PEDALS</b>—Best quality solid rubber, fitted special retainers and 3/16 in. steel balls.</p> <p><b>CHAIN</b>—High grade roller, 3/16x1 in. pitch.</p> <p><b>SPRINGS</b>—Wood, enamelled in standard colors.</p> <p><b>WHEELS</b>—Frame-type with self-contained connection.</p> | <p><b>HUBS</b>—New Departure front hub, Eadie coaster brake built in rear wheel.</p> <p><b>TIRES</b>—Dunlop Traction Cord, guaranteed 12 months.</p> <p><b>MUDGUARDS</b>—Front and rear, steel black enamelled; fine dress cord, steel chain guard; front has extension and flap.</p> <p><b>GRIPS</b>—Best quality leather, with nickel ferrule.</p> <p><b>SADDLE</b>—Special Ladies; best grade, 3-coil, enamelled springs.</p> <p><b>TOOL BAG</b>—Leather, with two wrenches and oil can.</p> <p><b>FINISH</b>—Standard color, black enamel only.</p> |
|--|---|

# Hyslop Motobike



## PRICES

Hyslop Motobike, without Tank, standard black finish .....	\$62.50
Hyslop Motobike with Tank, standard black finish .....	65.00
Enamelled in colors extra .....	2.50

## SPECIFICATIONS

- FRAME**—Specially constructed with extra bar in diamond of frame, 2 in. drop in top tube, and double-braced forks.
- HEIGHT**—20, 22 and 24 inches.
- FRONT FORK**—Special single-piece drop-forged crown with plate extending forward and meeting reinforcement of fork extending from head to axle hub.
- TANK**—Special torpedo design, enamelled to match frame.
- HANGER**—Hyslop one-piece, drop-forged, diamond-faced cranks.
- PEDALS**—All-rubber Motobike type, fitted with special retainers and 3/16 in. steel balls.
- HANDLEBARS**—Special Motobike braced type, with extension stem.
- HUBS**—Concaved front hub, Eadie coaster brake in rear wheel.
- CHAIN**—Roller, good quality.
- RIMS**—Wood, enamelled in standard colors.
- MUDGUARDS**—Special dropside pattern, double rear stay and single front enamelled to match frame.
- TIRES**—Dunlop Traction Cord, guaranteed 12 months.
- SADDLE**—Motobike type, double compound rear springs, black enamelled.
- GRIPS**—Leather, Bull dog pattern.
- TOOL BAG**—Leather, with two wrenches and oil can.
- PUMP**—Frame type, with self-contained connection.
- FINISH**—Standard color black enamel.

## COLOR OPTIONS

- No. 3—Blue with gold striping, mudguards and rims to match, at extra price as noted above.
- No. 5—Brown with cream sunburst head, mudguards and rims to match, at extra price as noted above.

## Hyslop Auto-Bike Model

(With Sturmey Archer Tri-Coaster)



### PRICE

Hyslop Auto-Bike with handlebars, black enamelled finish . . . . . \$65.00

### SPECIFICATIONS

**FRAME**—Best cold-rolled steel tubing, one inch diameter in main tubes, Seat Post cluster fitted with binder bolt; long wheelbase.

**SIZES**—20, 22, 24 and 26 inch.

**FRONT FORK**—One-piece drop-forged crown, tapered fork sides.

**HANGER**—One-piece drop-forged diamond faced cranks.

**PEDAL**—All rubber type fitted with special retainers and 3/16 in. steel balls.

**CHAIN**—High quality roller.

**SADDLE**—Special suspension type with double front coil, double compound rear springs and steel girder.

**RIMS**—Wood, enamelled in colors to match frame.

**TIRES**—Dunlop Traction Cord guaranteed 12 months.

**HANDLEBARS**—Standard pattern with extension stem, leather grips.

**HUBS**—Concaved front hub, sturmey archer tricoaster built in rear wheel, and change of speed controlled by lever in quadrant attached to top frame tube close to handlebar.

**PUMP**—Frame type with self contained connection.

**FINISH**—Standard color, black enamel; all bright parts heavily nickel plated on copper.

### COLOR OPTION

No. 6—Maroon with striping, size 22 in. and 22 in., drop 20 in. only, rims and mudguards to match, without extra charge.

## Hyslop Special Model

(With Curved Bar)



### PRICES

Hyslop Special Model, equipment A .....	\$62.50
Hyslop Special Model, equipment B .....	52.50

#### EQUIPMENT "A"

**SIZES**—Straight frame 22 and 24 inch, curved bar frame 20 in. drop, 18, and 22 in. drop 20.

**FRONT FORK**—Drop-forged, one-piece crown, tapered fork sides.

**HUBS**—New Departure Front, Eadie Coaster Brake built in rear wheel.

**TIRES**—Dunlop Traction Cord guaranteed 12 months.

**MUDGUARDS**—Drop side type, with double rear and front stays, enamelled to match frame.

**SADDLE**—Steel girder base, double coil steel nose springs, special three-ply twisted Swedish wire rear coil springs.

**PUMP**—Frame type with self-contained connection.

**FINISH**—Military drab enamel and lined in black, all nickel parts well nickel plated on copper.

Either model can be supplied with extra heavy Truss Fork, \$1.50 extra.

#### EQUIPMENT "B"

**SIZES**—Straight frame 22 and 24 inch, curved bar frame 20 in. drop, 18, and 22 in. drop 20.

**FRONT FORK**—Drop-forged, one-piece crown, tapered fork sides.

**HUBS**—New Departure Front, Eadie Coaster Brake built in rear wheel.

**TIRES**—Dunlop Imperial, guaranteed one season.

**MUDGUARDS**—Drop side type with double rear single front stays, enamelled to match frame.

**SADDLE**—Bon Ton made with best grade leather and special suspension type springs. Option Motobike No. 3.

**PUMP**—Frame type 10 in. long with clip.

**FINISH**—Military drab enamel and lined in black, all nickel parts well nickel plated on copper.

### COLOR OPTION

No. 9—Black with gold striping, mudguards and rims to match, made up in curved and straight top bars.

## Hyslop's Boys' and Girls' Models



Price, Hyslop Boys' Juvenile ..... \$42.00  
 Price, Hyslop Girls' Juvenile ..... 42.00

### SPECIFICATIONS BOYS' MODEL

**FRAME**—Best cold-rolled steel tubing.  
**SIZES**—14 and 16 in. straight top bar, 18 in. drop, 16 in. curved bar.  
**HANGER**—Hyslop one-piece, drop-forged, diamond-faced cranks.  
**PEDALS**—Combination rubber and rat-trap.  
**CHAIN**—Roller type.  
**HUBS**—High quality front hub, good coaster brake built in rear wheel.  
**WHEELS**—20-in. for 14-in. frame; 24-in. for 16-in. frame; 26-in. for 18-in. frame.

**RIMS**—Wood, enamelled in standard colors.  
**TIRES**—Dunlop Imperial, double tube tires, guaranteed one season.  
**SADDLE**—Special Juvenile type.  
**TOOL BAG**—Leather, with two wrenches, oil can and hand pump.  
**GRIPS**—Leather wound, with nickel ferrule.  
**FINISH**—Best brilliant black enamel.  
**MUDGUARDS**—Steel, with front extension.

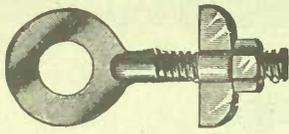
### SPECIFICATIONS GIRLS' MODEL

Same as Boy's Juvenile except:

**SIZES**—17 and 18 in. frames.

**DRESS GUARD**—Fine dress cord; steel chain guard on 18 in. bicycle only.

## Universal Chain Adjusters



No. 2980

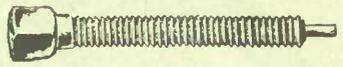
No. 2980—Price, Universal, per pair \$0.20

Price, per dozen pair . . . . . 2.00

## Standard Chain Adjusters

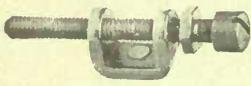
No. 2981—Price, Standard, per pair.. \$0.60

Price, per dozen pair . . . . . 7.00



No. 2981

## Adjusters, Chain



No. 2982—Price, Adjuster less clip per dozen pair . . . . . \$3.00

No. 2983—Price, Clip only, per dozen pair . . . . . 1 92

## Axles, Hub; Front



No. 2984

No. 2984—Price, Front Hub. A superior quality axle made from screw stock with machine cut thread and slabbed as shown in the illustration,  $4\frac{1}{2} \times 5/16$  in., 24 thread, each . . . . . \$0.22

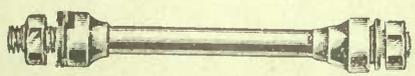
## Hub Axles



No. 2985

No. 2985—Price, front, size $4\frac{1}{2} \times 5/16$ in., 24 thread, each . . . . .	\$0.10
Price, per dozen . . . . .	.72
No. 2986—Price, front, size $4\frac{1}{2} \times 5/16$ in., 26 thread, each . . . . .	.10
Price, per dozen . . . . .	.90
No. 2987—Price, rear, size $5\frac{3}{4} \times 3/8$ in., 24 thread, each . . . . .	.10
Price, per dozen . . . . .	1.00

## Repair Axles

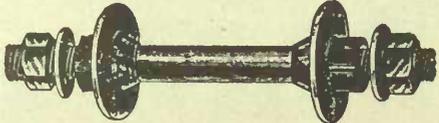


No. 2988

Repair axle for English barrel and concaved front hubs, complete with cones and nuts less steel balls.

No. 2988—Price, Front,  $5/16 \times 26$  thread, each . . . . . \$0.60

## Repair Axles



No. 2989

Fits any type of front or rear wheel. Furnished complete with cones, nuts and washers.

No. 2989—Price, Front,  $5/16 \times 24$  thread, each . . . . . \$0.50

No. 2992—Price, Rear,  $3/8 \times 24$  thread, each . . . . . .50

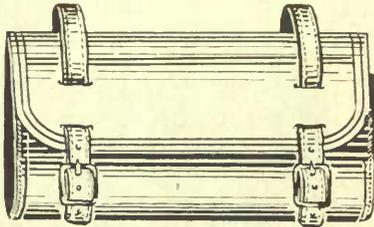
## Hub Axle Assembly



No. 2990

- No. 2990—Price, Hyslop front axle assembly, 5/16x24 thread, each ..... \$1.40  
 No. 2991—Price, Front axle set 5/16" x 24 thread, large cone diameter 31/32" C. C. M. catalogue No. 207 ..... \$0.90

## Tool Bags



No. 2993

Empire leather tool bag, size 7x3 1/4 x 1 1/2 inches.  
 Made from first quality grain leather.

- No. 2993—Price, Empire, 7 inch ..... \$1.00

## Tool Bags Complete with Tools

- No. 2994—Price, 7-inch Empire Tool Bag, including Wrench, Hand Pump and Oiler.  
 each ..... \$2.40

## Steel Balls



Nos. 2998-3005

		Price per gross
No. 2998—Size 1/8-in.	Hoffman Steel Balls.....	\$0 90
No. 2999—Size 5/32-in.	“ “ “ .....	1.10
No. 3000—Size 3/16-in.	“ “ “ .....	1.20
No. 3001—Size 7/32-in.	“ “ “ .....	1.50
No. 3002—Size 1/4-in.	“ “ “ .....	1.70
No. 3003—Size 9/32-in.	“ “ “ .....	2.30
No. 3004—Size 5/16-in.	“ “ “ .....	3.40
No. 3005—Size 3/8-in.	“ “ “ .....	5.20



Nos. 3010-3035

## Ball Retainers

### Less Balls

		Price
No. 3010—Ball Retainers for Special Hyslop frame .....	per dozen	\$2.30
No. 3011—Ball Retainers New Departure Front Hub .....	per dozen	1.20
No. 3011—Ball Retainers, Hyslop Front Hub .....	per dozen	1.20
No. 3013—Ball Retainers, Hyslop 1911 Hanger .....	per dozen	2.30
No. 3014—Ball Retainers, Hyslop 1920 Hanger .....	per dozen	2.30
No. 3014—Ball Retainers, Moto-bike Hanger.....	per dozen	2.30
No. 3016—Ball Retainers, Hyslop Head 1920.....	per dozen	2.30
No. 3017—Ball Retainers, Hyslop Moto-bike 1920 .....	per dozen	2.30
No. 3018—Ball Retainers Surplus Pedals .....	per dozen	1.10
No. 3019—Ball Retainers C.C.M. Hanger .....	per dozen	2.08
No. 3020—Ball Retainers C.C.M. One-piece Hanger .....	per dozen	2.08
No. 3021—Ball Retainers C.C.M. Head .....	per dozen	1.20
No. 3022—Ball Retainers Atherton, Small .....	per dozen	1.40
No. 3023—Ball Retainers Atherton, Large .....	per dozen	2.30
No. 3024—Ball Retainers, Lester, Small .....	per dozen	1.40
No. 3025—Ball Retainers, Lester, Large .....	per dozen	2.00
No. 3026—Ball Retainers, Eadie, Small .....	per dozen	1.40
No. 3027—Ball Retainers, Eadie, Large .....	per dozen	2.00
No. 3028—Ball Retainers, Comfort Front Hub .....	per dozen	1.32
No. 3022—Ball Retainers, New Style, Small Hercules H313 .....	per dozen	1.40
No. 3030—Small, for Hercules brake cone (H-13) .....	per dozen	1.40
No. 3031—Large, for Hercules cone and Drive screw (H-14) .....	per dozen	1.80
No. 3032—For Morrow, large size (B-115) .....	per dozen	2.30
No. 3023—For Morrow, medium size (B-106).....	per dozen	2.30
No. 3030—For Morrow, small size (B-109).....	per dozen	1.40
No. 3035—For New Departure, large (A-16).....	per dozen	2.00
No. 3024—For New Departure, small (A-20).....	per dozen	1.40
No. 3025—For Fauber bracket (F-56) .....	per dozen	2.20

### Information Regarding Ball Retainers

Cat. No.	Quantity of Balls in retainers.	Size of balls	Cat. No.	Quantity of Balls in retainers.	Size of balls
3010	10	5/16"	3023	11	1/4"
3011	5	1/4"	3024	5	5/16"
3013	12	1/4"	3025	9	5/16"
3014	10	5/16"	3026	7	1/4"
3016	15	3/16"	3027	9	1/4"
3017	17	5/32"	3028	6	1/4"
3018	7	3/16"	3030	8	1/4"
3019	7	5/16"	3031	9	1/4"
3020	9	5/16"	3032	12	1/4"
3021	17	5/32"	3035	8	5/16"
3022	7	1/4"			

## Columbia No. 6 Dry Battery

The Columbia Dry Battery is especially adapted for such severe work as ignition on gas and gasoline engines, automobiles, motor boats and motor cycles; also for lighting electric lamps on bicycles, autos and motor boats.



No. 3038

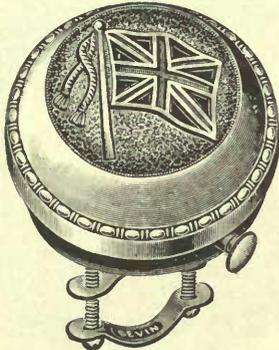
Price  
each

No. 3038—Less than 50 .....	\$0 90
50 or less than 125 .....	.86
Barrel lots of 125 or multiples ...	.78

See Electric Lamps and Parts  
Pages 53-4-5

### Union Jack Bell

Push Button



No. 3039

Union Jack Flag on top, full nickel plate, screw clamp; gong 2 1/4-in.

No. 3039—Price, per dozen ..... \$12.00

### Union Jack Bell

Electric Stroke

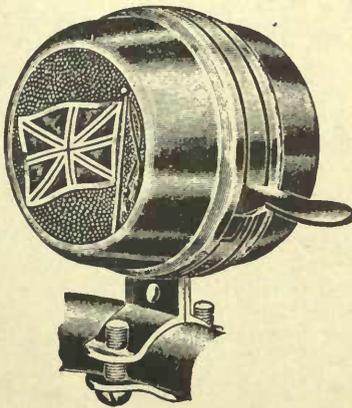


No. 3040

Union Jack Flag on top, full nickel plate, screw clamp; 2-in. gong.

No. 3040—Price, per dozen ..... \$9 00

### Union Jack and Boy Scout



No. 3041

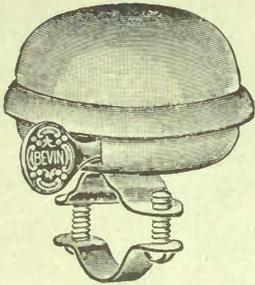


No. 3041

See  
Horns  
on  
page  
50

Patriotic Bells, double dome, electric stroke; Union Jack Flag on one side, Boy Scout on the other; two inch gong, nickel finish.

No. 3041—Price, per dozen ..... \$18.00



Nos. 3042-4

### Electric Stroke Bell

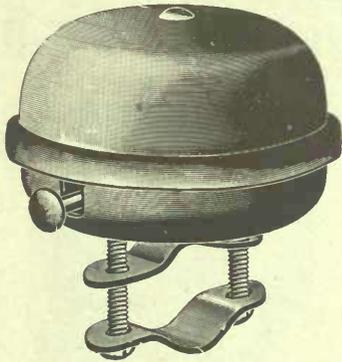
Beaded Gongs, screw clamp, full nickel plate.

No. 3042—1¾-in. screw, per dozen ... \$5.40

No. 3043—2-in. screw, per dozen .... 6.00

No. 3044—2¼-in. screw, per dozen .... 7 20

### Push Button Bell

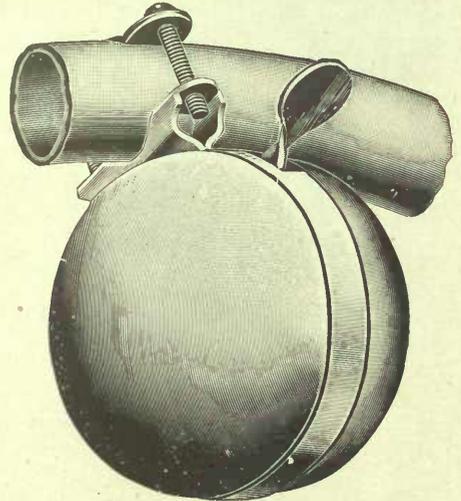


No. 3045

Continuous ring, revolving top, nickel plate, screw clamp.

No. 3045—Price, per dozen ..... \$12 00

### Chime Bell



No. 3046

Steady long distance ring, produced by two separate gongs, heavy nickel plate.

No. 3046—Price, per dozen ..... \$15 40



No. 3047

### Majestic Siren

This popular warning signal is well made, highly nickered, polished and substantially built. Can be attached to any bicycle and operated from handlebar by chain which extends to horn; gives a loud, clear and penetrating warning sound.

No. 3047—Price, each ..... \$2.20

No. 3050—Price, Screech Owl each \$2.20

See Horns on Page 50

# Special Bell Assortments



A



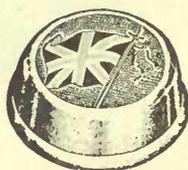
B



C



D



E



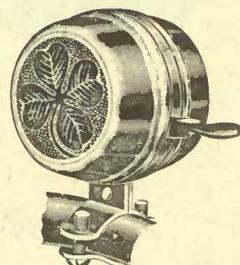
F



G



H



I

No. 3048  
Lever Type

No. 3049  
Double Chime Type

These bells are made of highest grade material and highly finished in nickel. Smooth, easy-running; rotary movement. Stationary gong.

The assortment is made up of one dozen bells, as illustrated above, in Lever or Double Chime Type. The Lever type contains an assortment of two each E.H.I., and one each of A.B.C.D.G.F.

The Double Chime type contains an assortment of three each G.I., three each E.H., two each A.B., three each D.F. and one each D.C.

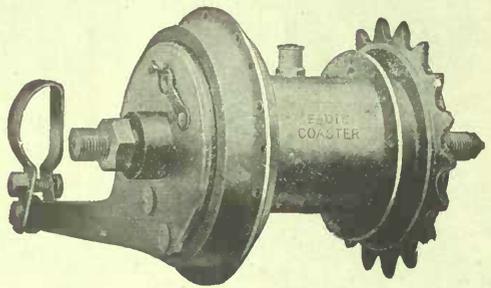
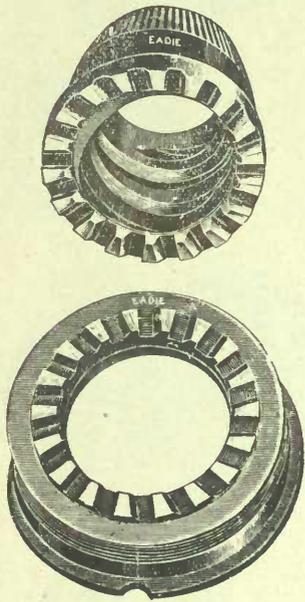
No. 3048—Price, per dozen, Lever Assortment ..... \$ 9 00

No. 3049—Price, per dozen, Double Chime Assortment ..... 18.00

**Note—Orders** for smaller quantities than one dozen of these assortments will be filled from broken lots, regardless of top design.

See Horns on Page 50

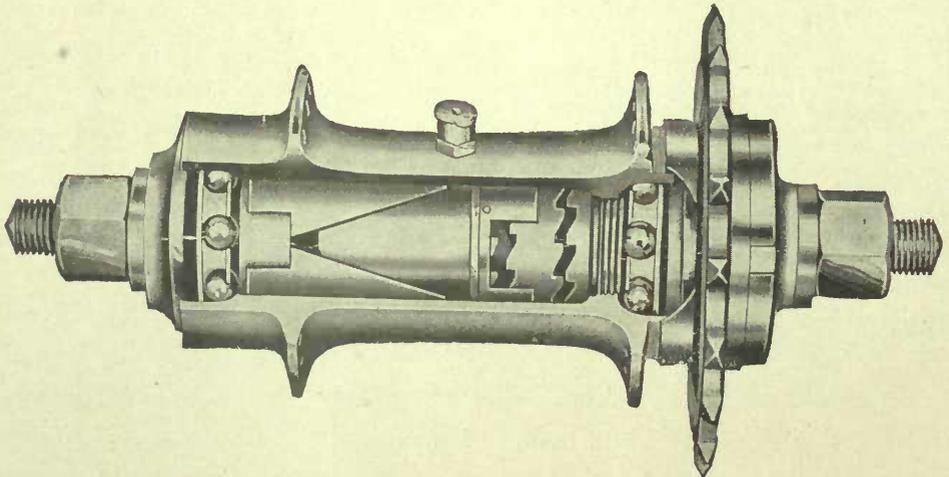
# Eadie Coaster Brake



No. 3054

No. 3054—Price, Eadie Coaster Brake, complete with sprocket, each ..... \$8.50

# New Hercules Coaster Brake

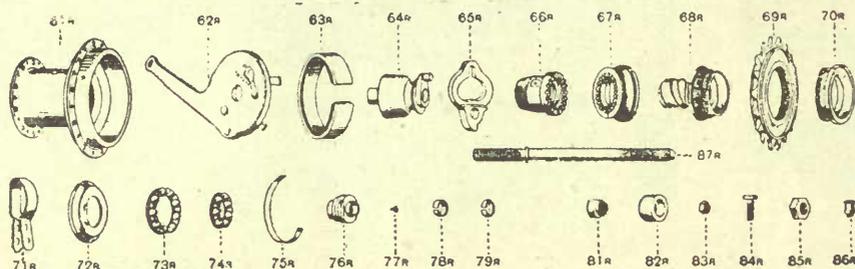


New HERCULES Coaster Brake.

No. 3055

No. 3055—Price, Hercules Coaster Brake, complete with sprocket, each ..... \$8.50

## Parts for Eadie Coaster Brake



No. 3056

	Price
61-R.—Shell, with cups and serrated ring, each .....	\$4 00
62-R.—Friction Plate, each .....	2 00
63-R.—Brake Spring and Phosphor Bronze Ring, each .....	1 50
64-R.—Brake Cone and Lever, each .....	1.10
65-R.—Brake Spring Lever, each .....	.50
66-R.—Clutch Nuts, each .....	1 00
67-R.—R.H. Cups, each .....	1 50
68-R.—Driving Screw, each .....	1 00
69-R.—Sprocket, each .....	.80
70-R.—L.H. Cups, each .....	.30
71-R.—Brake Arm Clips, complete .....	.50
72-R.—Lock Nuts, with oil hole cover, each .....	.28
73-R.—Ball Retainers, with balls, large, each .....	2 00
73-R.W.—Ball Retainers, large, less balls .....	1.40
74-R.W.—Ball Retainers, small, less balls, .....	.24
74-R.—Ball Retainers, with balls, small, each .....	.10
75-R.—Clutch Nut Spring, each .....	.50
76-R.—Adjusting Cone, each .....	.06
77-R.—Clutch Nut Spring Screw, each .....	.10
78-R.—Split Collar, narrow, each .....	.10
79-R.—Split Collar, wide each ..	.30
81-R.—Axle Collar, each .....	.30
82-R.—Packing Piece for Round axle, each .....	.05
83-R.—Brake Arm Clip Nut, each .....	.05
84-R.—Brake Arm Clip Screw, each .....	.10
85-R.—Axle Nuts, each .....	.20
86-R.—Lubricator, each .....	.70
87-R.—Axle only, each .....	1 00
88-R.—Axle with Collar Nos. 81-R. and 87-R. attached .....	

# Parts for New Hercules Coaster Brake

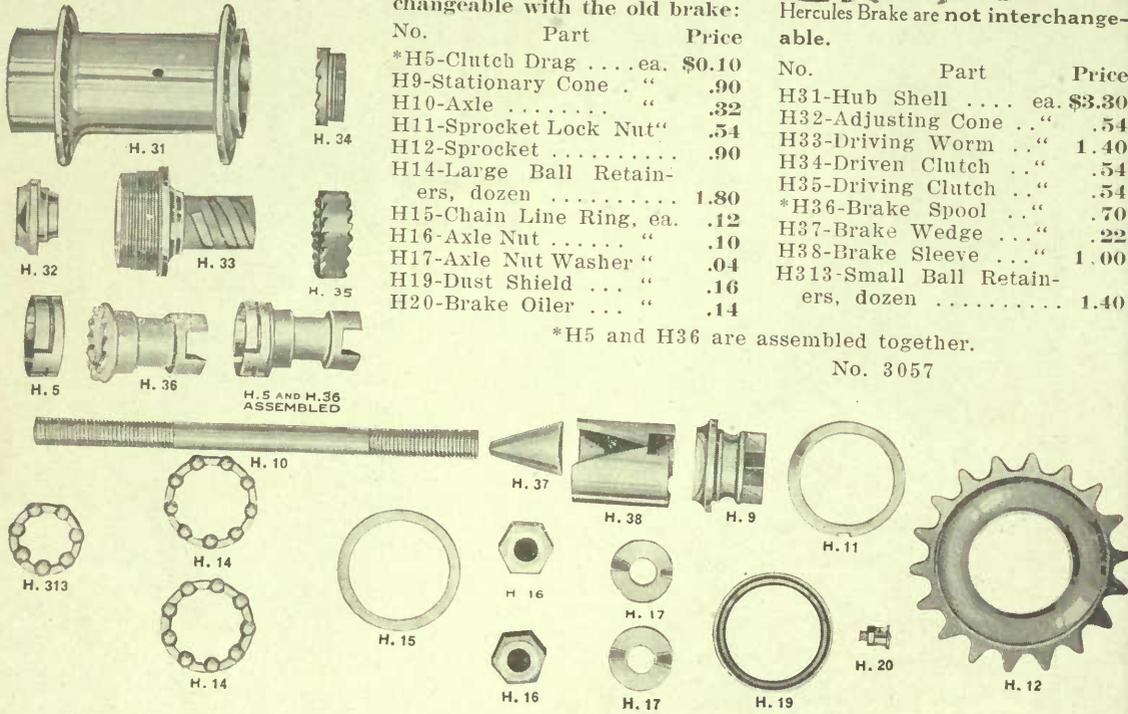
The following parts are interchangeable with the old brake:

No.	Part	Price
*H5	Clutch Drag . . . . ea.	\$0.10
H9	Stationary Cone . . . .	.90
H10	Axle . . . . .	.32
H11	Sprocket Lock Nut . . . .	.54
H12	Sprocket . . . . .	.90
H14	Large Ball Retainers, dozen . . . . .	1.80
H15	Chain Line Ring, ea. . . . .	.12
H16	Axle Nut . . . . .	.10
H17	Axle Nut Washer . . . . .	.04
H19	Dust Shield . . . . .	.16
H20	Brake Oiler . . . . .	.14

The following parts of the New Hercules Brake are not interchangeable.

No.	Part	Price
H31	Hub Shell . . . . ea.	\$3.30
H32	Adjusting Cone . . . .	.54
H33	Driving Worm . . . .	1.40
H34	Driven Clutch . . . .	.54
H35	Driving Clutch . . . .	.54
*H36	Brake Spool . . . .	.70
H37	Brake Wedge . . . .	.22
H38	Brake Sleeve . . . .	1.00
H313	Small Ball Retainers, dozen . . . . .	1.40

\*H5 and H36 are assembled together.  
No. 3057



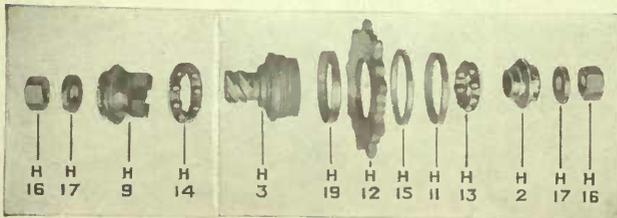
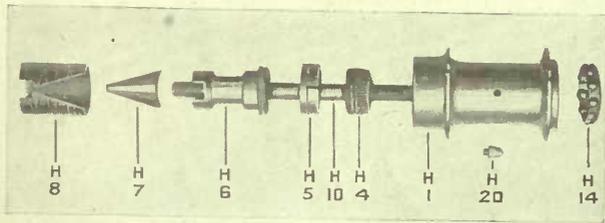
# Parts for Old Hercules Brake

The following parts are interchangeable with those of New Hercules Brake.

No.	Part	Price
*H-5	Clutch Drag, each . . . . .	\$0.10
H-9	Stationary Cone, each . . . . .	.90
H-10	Axle, each . . . . .	.32
H-11	Sprocket Lock Nut, each . . . . .	.54
H-12	Sprocket 1-in. pitch, 3/16-in. wide, 7 to 10 tooth . . . . .	.90
	1/2-in. pitch, 1/8-in. or 3/16-in. wide, 14 to 20 tooth . . . . .	.90
H-14	Large Ball Retainers, dozen . . . . .	1.80
H-15	Chain Line Ring . . . . . each	.12
H-16	Axle Nut . . . . .	.10
H-17	Axle Nut Washer . . . . .	.04
H-19	Dust Shield . . . . .	.16
H-20	Brake Oiler . . . . .	.14

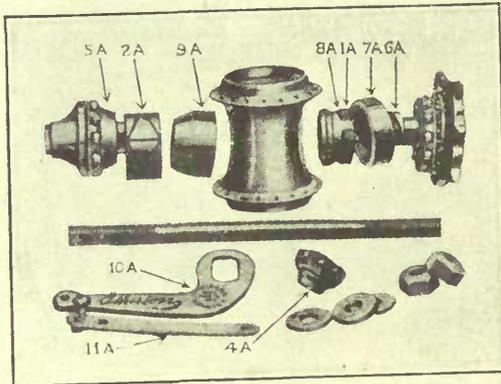
The following parts are not interchangeable with those of New Hercules Brake.

No.	Part	Price
H-1	Hub Shell, each . . . . .	\$3.30
H-2	Adjusting Cone, each . . . . .	.54
H-3	Driving Worm each . . . . .	1.40
H-4	Driving Clutch each . . . . .	.54
H-6	Brake Spool each . . . . .	.70
	5 and 6 assembled together.	
H-7	Brake Wedge each . . . . .	.22
H-7 1/2	Wedge Shim, per dozen . . . . .	.52
H-8	Brake Sleeve, each . . . . .	1.00
H-13	Small Ball Retainers only, doz. . . . .	1.40



No. 3058

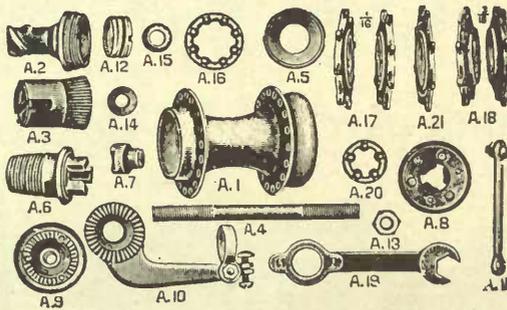
# Atherton Coaster Brake Parts



No. 3060

	Price		Price
Hub Barrel .....	\$3.80	No. 3A, Sprocket-Locknut .....	\$0 60
Sprockets .....	.70	No. 4A, Small Cone .....	.60
Large Retainers, each with balls ...	.30	No. 5A, Large Cone .....	1.40
Large Ball Retainers, less balls, dozen	2 30	No. 6A, Driving Sleeve .....	1.80
Small Retainer, with balls, each ....	.24	No. 7A, Driving Cup .....	.80
Small Ball Retainers, less balls, dozen	1 40	No. 8A, Springs, each .....	.08
Axle .....	.50	No. 9A, Brake Shoe .....	1.00
Axle Nuts, each .....	.10	No. 10A, Side Arm .....	.60
Axle Washers, Flat, each .....	.04	No. 11A, Clip, with bolt and nut ..	.20
Axle Washers Socket, each .....	.06		
No. 2A, Friction Sleeve, Bronze ...	1.00		
No. 1A, Sliding Nut .....	.80		

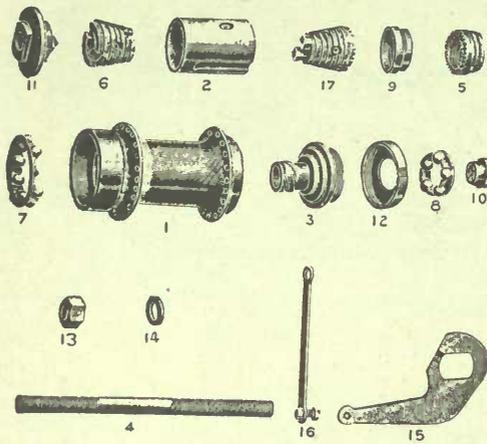
# Parts for New Departure Coaster Brake



No. 3065

No.	Price	No.	Price
A- 1 Hub Shell .....	\$3 60	A-13 Axle Nut .....	\$0 12
A- 2 Driver .....	1.80	A-14 Axle Washer .....	.04
A- 3 Clutch Sleeve .....	.70	A-15 Ratchet Washer .....	.10
A- 4 Axle .....	.50	A-16 Large Ball Retainer .....	.30
A- 5 Sprocket Set Nut .....	.50	A-16 W. Large Ball Retainers, less	
A- 6 Brake Clutch .....	1.00	balls, per dozen .....	2.00
A- 7 Adjusting Cone .....	.50	A-17 Sprocket 1/16 offset .....	.70
A- 8 Brake Box, English .....	1.60	A-18 Sprocket 3/16 offset .....	.70
American .....	1.60	A-20 Small Ball Retainer, each ....	.24
A- 9 Brake Disc .....	.80	A-20 W. Small Ball Retainers, less	
A-10 Brake Arm .....	.80	balls, per dozen .....	1.40
A-11 Clip and Nut .....	.20		
A-12 Transfer Sleeve .....	.30		

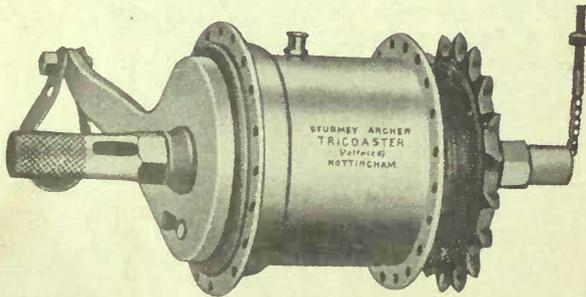
## Lester Coaster Brake Parts



No. 3075

No.	Part	Price	No.	Part	Price
1-L	Hub Shell	\$3.20	10-L	Adjusting Cone	\$0.50
2-L	Clutch Sleeve	.90	11-L	Stationary Cone	.90
3-L	Driver	1.60	12-L	Sprocket Locknut	.50
4-L	Axle	.50	13-L	Axle Nut	.12
5-L	Driving Clutch	.80	14-L	Axle Nut Washer	.08
6-L	Left Brake Clutch	1.10	15-L	Brake Arm	.70
7-L	Large Ball Retainer	.30	16-L	Strap, Bolt and Nut	.24
8-L	Small Ball Retainer	.24	17-L	Right Brake Clutch	1.10
9-L	Retarder	.24	18-L	Sprockets	.70

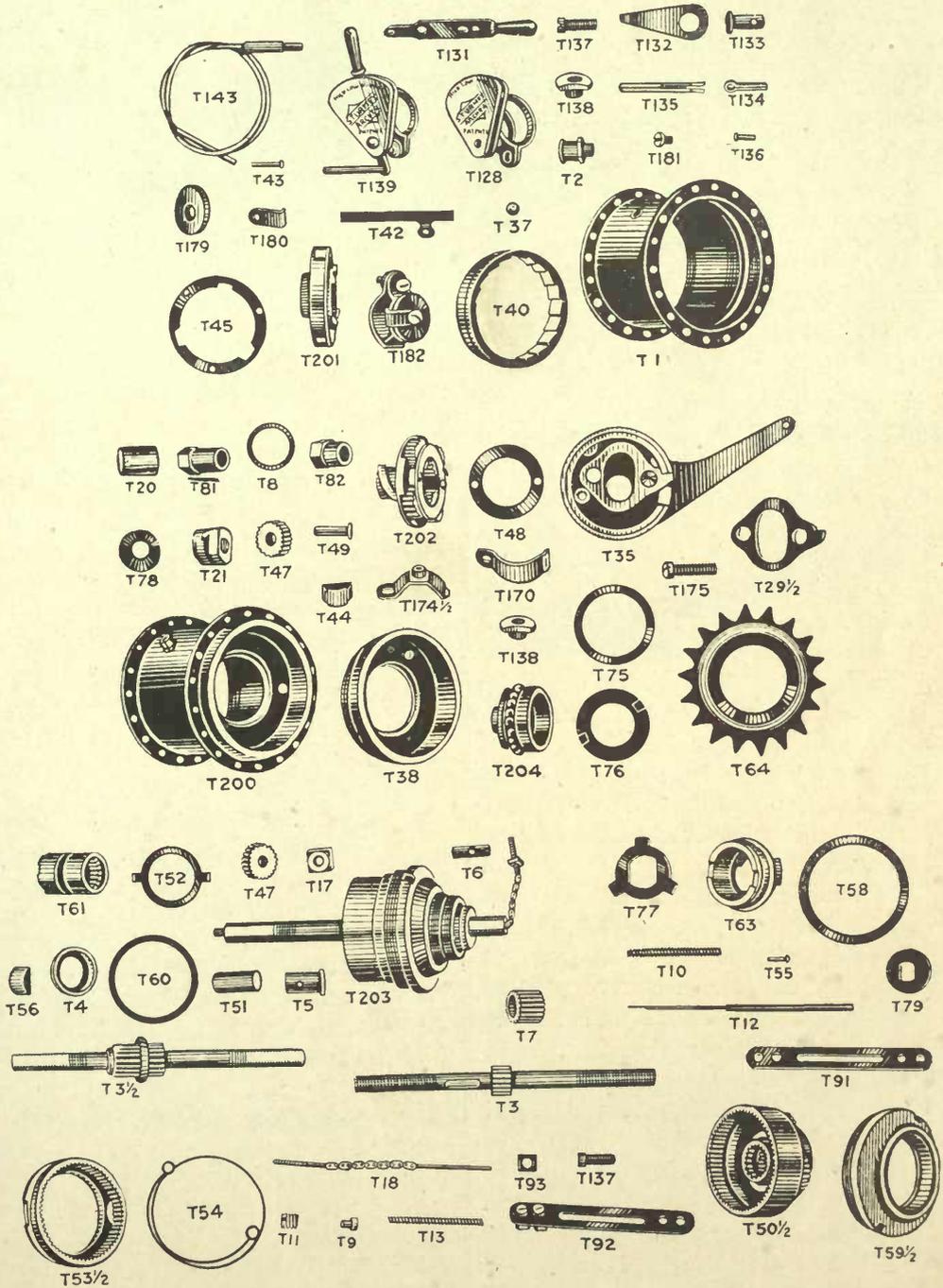
## Sturmey-Archer Tri-Coaster



No. 3080

The Coaster Brake, combined with a three speed gear—low gear 61, intermediate 81, and high 106. Gear operated by lever on upper bar of frame.  
 No. 3038—Price, Sturmey Archer Tri-Coaster, complete, with top tube control, lever and wire ready to assemble into a bicycle, each ..... \$27.50

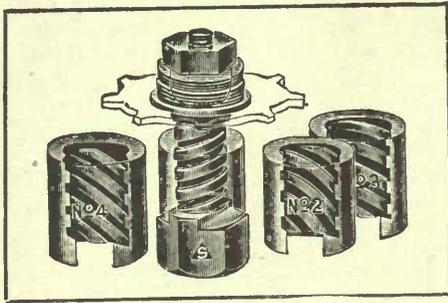
# Sturmey Archer Brake Parts



## Sturmey Archer Brake Parts

Part No.	Price	Part No.	Price
T-1 Shell .....	\$8.00	T-60 R.H. Ball and Retainer .....	\$0.40
T-2 Oil Cup .....	.40	T-61 R.H. Cone .....	2.00
T-3 Axle only .....	4.80	T-63 Clutch Driver .....	2.40
T-3½ Axle .....	6.60	T-64 Sprocket .....	1.20
T-4 Cage Collar .....	.40	T-75 Sprocket Lacing Washer .....	.40
T-5 Pinion Sleeve .....	.40	T-76 Sprocket Lock Nut .....	1.00
T-6 Pinion Sleeve Key .....	.20	T-77 Star Lock Washer .....	.20
T-7 Sliding Pinion .....	.90	T-78 Spacing Washer .....	.30
T-8 Pinion Sleeve Washer .....	.20	T-79 Slotted Lock Washer .....	.20
T-9 Main Spring Collar .....	.20	T-81 Right Hand Nut .....	1.00
T-10 Indicator Spring .....	.40	T-82 Left Hand Nut .....	1.00
T-11 Spring Retainer Nut .....	.20	T-91 Brake Arm Clip .....	.50
T-12 Indicator Screw .....	1.00	T-92 Brake Arm Clip .....	.80
T-13. Main Spring .....	.40	T-93 Brake Arm Clip Nut .....	.20
T-17 Connection Locknut .....	.20	T-128 Quadrant and Clip .....	1.60
T-18 Chain Assembly .....	1.20	T-131 Top Tube Lever .....	.80
T-20 Chain Protector .....	.60	T-132 Quadrant Lever Spring .....	.20
T-21 Adjusting Cone Nut .....	.80	T-133 Quadrant Lever Stud .....	.20
T-29½ Brake Expanding Lever .....	1.20	T-134 Quadrant Split Pin .....	.08
T-35 Brake Arm and Band .....	9.00	T-135 Quadrant Wire Connection .....	.40
T-36 Retainer for Cone Actuator .....	.20	T-136 Quadrant Connection Pin .....	.08
T-38 L.H. Ball Cup and Brake Drum.	2.40	T-137 Brake Arm Clip Screw .....	.20
T-40 L.H. Ratchet Ring .....	2.40	T-137 Quadrant Clip Screw .....	.20
T-42 L.H. Pawl Spring .....	.20	T-137 Screw for Brake Arm Clip or Quadrant Clip .....	.20
T-43 Pawl Retainer Rivet .....	.08	T-138 Quadrant Clip Nut .....	.30
T-44 L.H. Pawl .....	.40	T-139 Top Bar Tube Control .....	2.40
T-45 L.H. Pawl Retainer .....	.40	T-143 Bowden Wire Control .....	1.60
T-47 Planet Pinion (4), each .....	.80	T-170 Pulley Half Clip .....	.40
T-48 Cage Pinion Retainer .....	.40	T-174½ Pulley Half Clip with Stud ..	.66
T-49 Cage Pinion Retainer Rivet .....	.08	T-175 Pulley Clip Screw .....	.20
T-50½ Compound Gear Cage .....	13.00	T-179 Diagonal Pulley .....	.60
T-51 Pinion Pin (4), each .....	.20	T-180 Pulley Arm .....	.20
T-52 Retainer for Planet Pinion .....	.20	T-181 Pulley Arm Screw .....	.20
T-53½ Gear Ring with Spring .....	3.70	T-182 Plain Pulley .....	1.80
T-54 Gear Ring Pawl Spring .....	.30	T-200 Hub Shell, 32-36-28 .....	12.00
T-55 Gear Ring Spring Rivet .....	.08	Order number of holes.	
T-56 Gear Ring Pawl (2), each .....	.40	T-201 Double Clutch Cage .....	8.20
T-58 Pawl Retainer Washer .....	.30	T-202 Planet Cage and Worm .....	9.90
T-59½ R.H. Cup and Ratchet .....	4.00	T-203 Gear Case Driver and Axle ...	21.40
		T-204 Brake Cone Actuator .....	4.90

# Stevens Complete Coaster Clutch Tool



No. 3085

It's hard and risky to remove a rusty coaster brake sprocket without Stevens Coaster Clutch Tool. With this tool, the job is easy.

The tool has 3 bushings, one for the worm of each make of brake. The worm screws into the bushing and is held loosely by the bolt running through like an axle. After the nut is screwed on the bolt, the head of the bolt is fastened in a vise. Then the sprocket can be taken off easily with a wrench or other tool, without danger of damaging worm.

The bushings fit: No. 1-Hercules; No. 3-Corbin and New Departure; No. 4-Morrow.

No. 3085—Price, complete ..... \$5 00

## Brushes



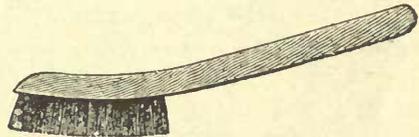
No. 3089

Best Domed Hair Enamel Brushes. Tapered wooden handle.

No. 3089—Price, per card of 1 dozen. \$2 70

No. 3090—Price, Special Brush, Doz. not carded ..... 1 80

## Spoke and Chain Brush



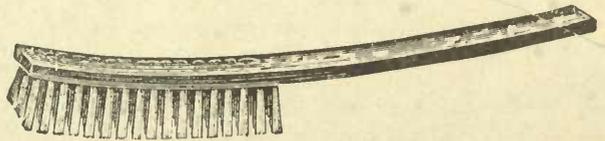
No. 3091

Cleaning Brush, strong bristles, wooden handle.

No. 3091—Price, each ..... \$0.20

Price, per dozen ..... 2.30

## Steel Wire Brush



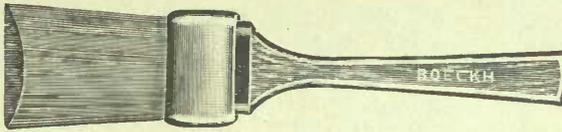
No. 3092

Bristles made of the very best steel wire.

No. 3092—Price, per dozen ..... \$9.30

**Brushes for Painting, Varnishing, Enamelling, Etc.**

Made of best quality black bristles. Com pressed, nickeled ferrules. Polished handles.



No. 3086—Price, 1 in. wide, 2 in. long .. \$0.65

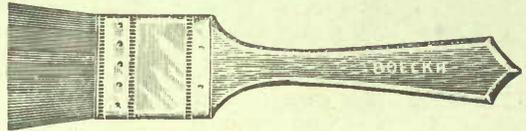
No. 3087—Price, 1½ in. wide, 2½ in long .. .95

**Color and Enamel Brushes, Extra Fine Quality**

Made of soft gray Fitch Hair. Nickeled ferrules, polished handles.

No. 3093—Price, 7/8 in. wide, 1½ in. long ..... \$0.70

No. 3094—Price, 1½ in. wide, 1½ in. long ... .85



**Stand Spring and Clip**

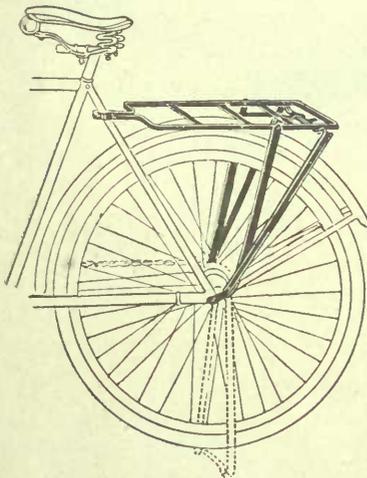


No. 3102

Special attachment for holding stand on combination carrier, supplied complete with clips and bolts.

No. 3102—Price, each ..... \$0.44

**Combination Carrier and Stand**



No. 3095

Strongly constructed, rivetted connections, 3/8-inch flat steel, channel bar stand attachment.

No. 3095—Price, enamel Black, each.. \$2.00

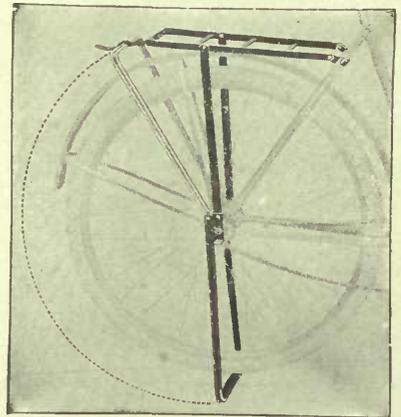
No. 3095A—Price, enamel Maroon, each ..... 2 40

No. 3095B—Price, enamel, Military Drab, each ..... 2.50

No. 3095C—Price, enamel, Green, each 2.50

No. 3095D—Price, enamel, Bronze Green, each ..... 2.50

**Combination Carrier and Stand**



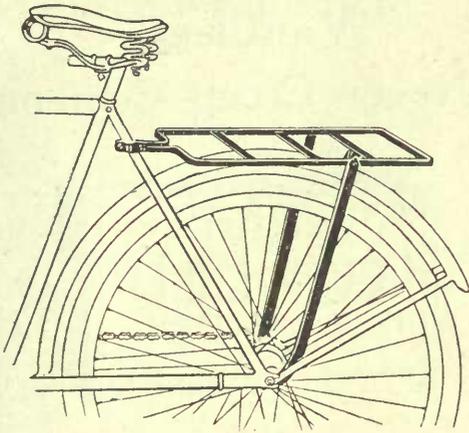
No. 3096

Combination Rear Carrier and cycle stand. Convenient, strong, enamel finish.

No. 3096—Price, Carrier and Stand .. \$1.80

See Pages 76 and 77 for Stands only.

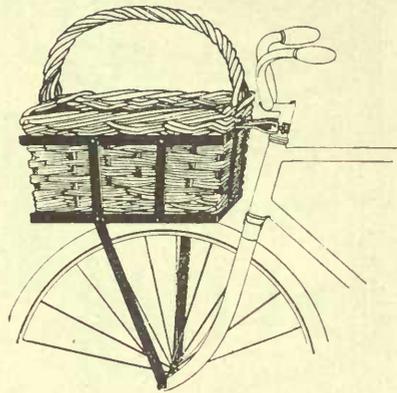
**Rear Carrier**



No. 3097

- No. 3097—Price, enamel Black each ..\$1.20
- No. 3097A—Price, enamel Maroon each 1.40
- No. 3097B—Price enamel Military drab  
each ..... 1.40
- No. 3097C—Price, enamel Green ..each 1.40
- No. 3097D—Price, enamel Bronze Green  
each ..... 1.40

**Tradesman's Front Carrier**

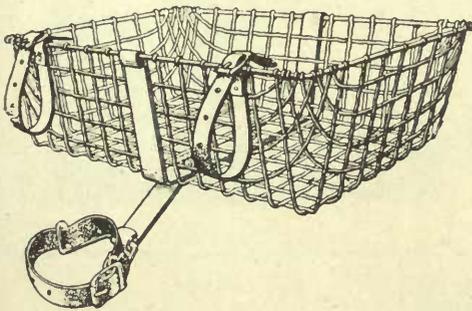


No. 3098

Made to fit 18½x11½ inch oblong basket, black enamelled.

- No. 3098—Price, each ..... \$4.00

**Androck Bicycle Basket**



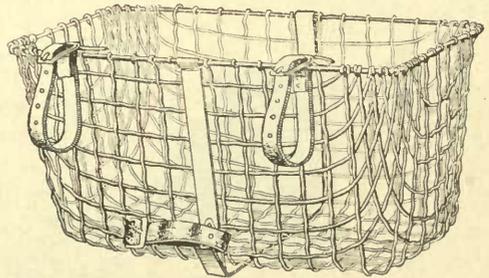
No. 3099

Fastens securely with strong leather straps.

Made in two sizes only.

- No. 3099—Price, each 10x15x4¼ inch \$2 00
- No. 3100—Price, each 18x13x6 inch.. 2 50

**Handle Bar Basket**



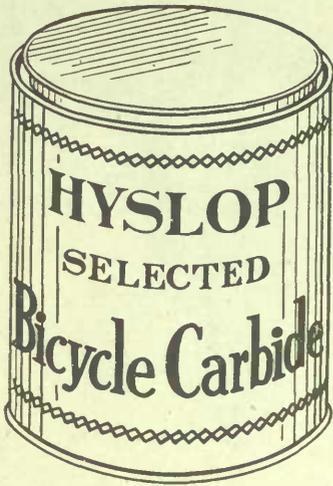
No. 3101

Just the thing for delivering small packages. Size 15"x8"x7½".

Fastens securely to the bicycle with strong leather straps.

- No. 3101—Price ..... each \$2 50

## Bicycle Carbide



Nos. 3105-8

Best grade, specially adapted for use in Cycle Gas Lamps, packed in air tight cans.

- No. 3105—Price, per dozen ..... \$3.50
- No. 3106—Price, 2-lb. Tin per dozen 5.70
- No. 3107—Price, 5-lb. Tin, per dozen. 11 00
- No. 3108—Price, 100 lbs. Drum. .... 11.50

## VanCleaf's Never Creep Cement



No. 3113

Very best hard tire cement. One pound bricks.

- No. 3113—Price, each .....\$0.80

## Cement



## Dunlop XX

- No. 3118—Price, 1-oz. Tubes (2 doz. in carton) per carton ..... \$2.20
- Price, per gross tubes ..... 12.60
- No. 3119—Price, 2-oz. Tubes, per carton of 1 doz. .... 1.70
- Price, per gross tubes ..... 19.20
- No. 3120—Price, ¼ pint Can, per doz. .... 3.70
- No. 3121—Price, ½ pint Can, per doz. .... 4.60
- No. 3122—Price, 1 pint Can, each ..... .70

## VanCleef's Patching Cement



Van Cleef's Bicycle Rubber Cement is indispensable to the user of inner tubes. It sticks patches firmly and securely and is dependable in all respects. No finer bicycle cement can be made—it satisfies every user. All tubes have exclusive, patented Crimp system of Closure preventing leaking and evaporation.

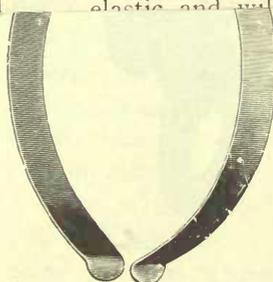
No. 3125—Price, per gross \$12.00

No. 3125

## VanCleef's Wood Rim Shellac Cement



It binds tires and grips quickly and holds them securely. It is hard yet elastic and will not crack.



No. 3127

## C-35 Goodyear Patching Cement

This fine Para Cement has remarkable adhesive properties. It has a bull dog grip. Just the thing for patching a tube or casing.

No. Price  
3127—In tubes, size  $\frac{3}{4} \times 4$  in., doz....\$1.10  
3128—In tubes, size  $1 \times 5$  in., doz..... 1.70

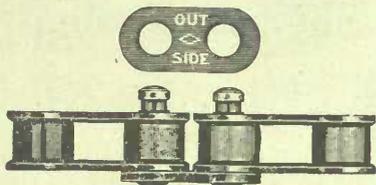
## Roller Chains



No. 3131

No. 3131—Price, Roller,  $\frac{1}{8} \times \frac{1}{2}$ -in. pitch, 116 links, each ..... \$3.00  
No. 3132—Price, Roller,  $\frac{3}{16} \times 1$ -in. pitch, 56 links, each ..... 3.00  
No. 3133—Price, Roller,  $\frac{3}{16} \times \frac{1}{2}$ -in. pitch, 116 links, each ..... 3.00  
No. 3134—Price, Roller,  $\frac{1}{8} \times 1$ -in. pitch, 56 links, each ..... 3.00

## Diamond Repair Links



To add a link or repair a break in diamond roller chains.

No. 3140—Price, 3/16-in. chain, per dozen ..... \$3.60

No. 3141—Price, 1/8-in. chain, per dozen ..... 3.60



Nos. 3105-8

Best grade, specially adapted for use in Cycle Gas Lamps, packed in air tight cans.

No. 3105—Price, per dozen ..... \$3.50

No. 3142-3

For repairing cranks broken at the pedal end. Drop forgings. Threaded 1/2"x20, right and left.

No. 3142—Price, Right ..... Each \$0.40

No. 3143—Price, Left ..... Each .40

## Chain Tools

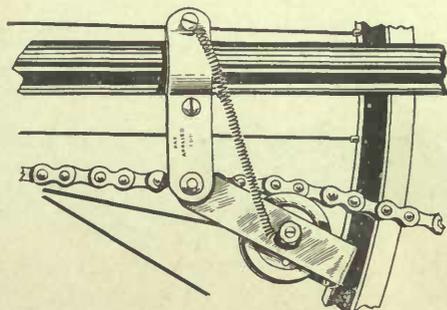


No. 3147.

Bean Chain Tool. Model A-22. Heavy head with long bearing for large threaded punch and re-enforced prongs. Guaranteed against breakage. Has straight handle as shown in illustration. 6" long.

No. 3147—Price, each ..... \$2.10

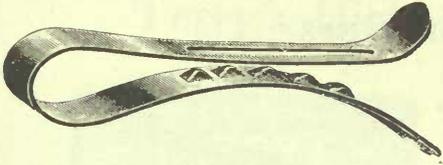
## New Tone Chain Adjuster



The latest improvement for a bicycle. Attached to lower rear stay and keeps the chain tight. The chain cannot jump sprocket when this adjuster is attached. The New Tone Chain Adjuster is fitted with a Special Fibre Roller, which is packed with grease and keeps the chain constantly lubricated.

No. 3148—Price, each ..... \$1.30

Price, dozen ..... 14.40



No. 3150

## Flat Pant Clip

Made of best blue steel.

No. 3150—Price, per dozen pair ..... \$1.00

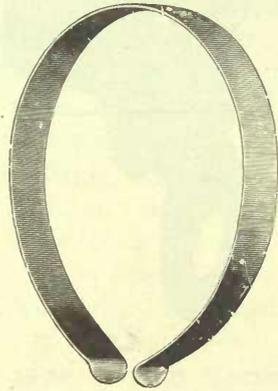
Price, per gross pair ..... 11 00

## Standard Band Trousler Clip

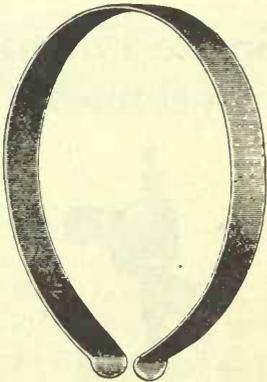
Standard narrow band clips, made of spring steel, black japanned finish.

No. 3151—Price, per dozen pair, ..... \$1.20

Price, per gross pair ..... 14.30



No. 3151



No. 3152

## Wide Perfection Trousler Clips

Wide band clips, spring steel, enamel finish.

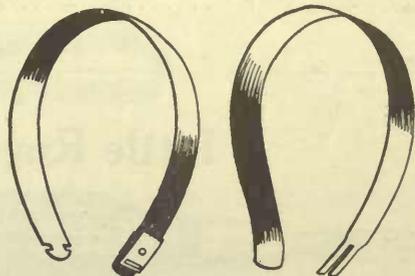
No. 3152—Price, per dozen pair ..... \$1.30

Price, per gross pair ..... 15.40

## Combination Pant Clips and Sprocket Lock

One clip fitted with spring lock. The other acts as a key. Supplied in bronze only.

No. 3153—Price, per dozen pairs .... \$3.00



No. 3153

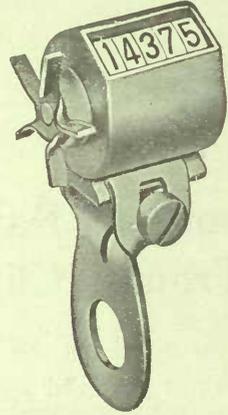
### Veeder Cyclometers



No. 3155

Total mileage recorder same as Veeder Regular Type Cyclometer; additional dial mileage for each trip.

No. 3155—Price, Combination Cyclo- shows mileage for each trip ..... \$6.00

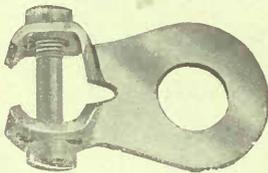


No. 3156

Regular type registers up to 10,000 miles, then returns to zero and repeats; waterproof and dust proof.

No. 3156—Price, Regular Type, complete with spoke pin. .... \$3.80

### Bracket for Veeder Cyclometer



No. 3157

No. 3157—Price, Bracket only for Cyclometer, each ..... \$0.60

### Spoke Pin for Cyclometer

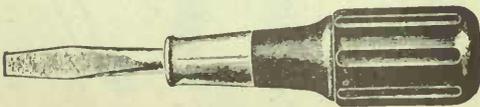


No. 3158

Spoke Pin for Veeder Cyclometer, will fit any bicycle.

No. 3158—Price, each ..... \$0.60

### Little Rugged Screw Driver

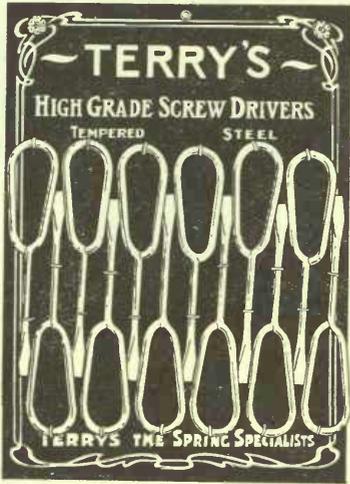


No. 3159

Short, compact, strong, 5-in. long, 1½ in. blade.

No. 3159—Price, per dozen. .... \$2.10

## Terry's High Grade Screw Drivers

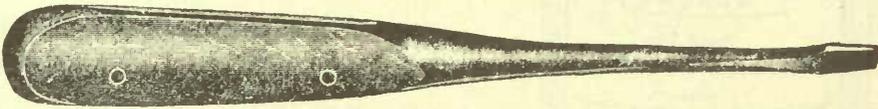


No. 3161

Terry's high grade screw drivers go through a process of scientific hardening and tempering in order to make them measure up to the high standard the manufacturers have set. As a result of this extra care in manufacture these screw drivers possess exceptional strength and durability. Made in two sizes and finished in black and nickel plate.

- |   |        |
|---|--------|
| No. 3160—Price, black per card of 1 dozen 5 in. long .....      | \$2.20 |
| No. 3160-A—Price, nickel plated per card of 1 dozen 5 in. long  | 2.60   |
| No. 3161—Price, black per card of 6, 6¼ in. long. ....          | 2.10   |
| No. 3161—A Price, nickel plated per card of 6, 6¼ in. long .... | 2.70   |

## Perfect Handle Screw Driver



No. 3162-3-4

Hard wood sides are locked in under pressure. Rivetted and waterproof finished. Ideal for all kinds of mechanical work. Best screw driver on the market to-day.

- |   |        |
|---|--------|
| No. 3162—Price, Length 9 inches over all, per dozen .....   | \$7.70 |
| No. 3163—Price, Length 9¾ inches over all, per dozen .....  | 9.20   |
| No. 3164—Price, Length 10¾ inches over all, per dozen ..... | 12.20  |

## Handy Screw Driver



No. 3165

Handy Screw Driver. Hardened blade, ground point, nickel finish. Length 5 inches.

- |                            |        |
|----------------------------|--------|
| No. 3165—Price, each ..... | \$0.14 |
| Price, per dozen .....     | 1.30   |

## Club Enamel

Brilliant black, dries hard and bright very quickly. Air tight stone jars.

No. 3169—Price, small size, per doz. . \$5 20

No. 3170—Price, large size, per doz. . . 10.50



No. 3170



No.3172

## Black Enamel

Highest grade special hard drying brilliant finish.

No. 3171—Price, ¼ pint tin per doz. . . \$5.00

No. 3172—Price, ¼ lb. tin per dozen. 4.00

No. 3173—Price, 1 lb. tin each . . . . . 1 30

## Colored Enamels

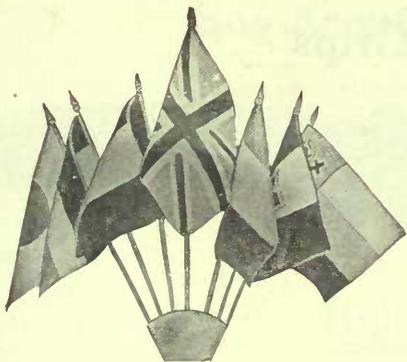
Highest grade, special hard drying enamel. Brilliant and durable finish.

No.	Price
3174—¼ lb. tin, Indian Red, per dozen	\$4.80
3175—¼ lb. tin, Royal Blue, per dozen	4 80
3176—¼ lb. tin, Excelsior Gray, per doz.	4 80
3177—¼ lb. tin, White, per dozen . . .	4.80
3178—¼ lb. tin, Brown, per dozen. . .	4 80
3179—¼ lb. tin, Cream, per dozen. . .	4 80
3180—¼ lb. tin, Military Drab, per doz.	4.80
3181—2 lb. tin, Military Drab, each. .	2.60
Per dozen . . . . .	28 25
3182—¼ lb. tin, Maroon, per dozen . .	4 80



No. 3174

## Flags of the Allies



No. 3185

Consists of seven silk flags with adjustable metal holder for attaching to handlebar.

No. 3185—Price, Flags of the Allies, set 2x3 ..... \$0.90

Price, per dozen sets ..... 10 00

No. 3186—Price, per set 3x5 ..... 1.20

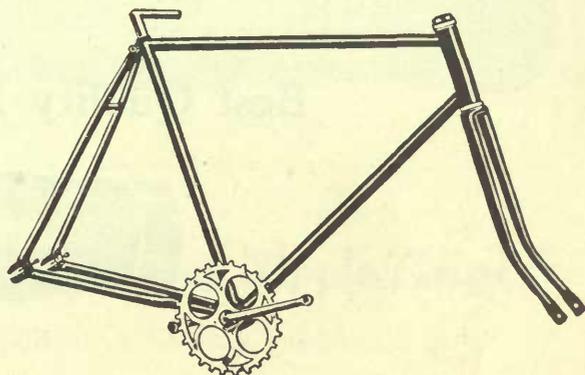
Price, per dozen sets ..... 13 50

## Repair Frames and Forks

Best cold-rolled steel tubing, seat post master fitted with binder bolt, fork crown nickel plated, one-piece crank hanger, 7-in. fenders, nickel sprocket 26 teeth, frame finish in black enamel.

No. 3190—Price, Gentlemen's frame, complete ..... \$35 00

No. 3191—Price, Ladies' frame, complete with mudguards and chain guards ..... 37 00



No. 3190



No. 3187-8

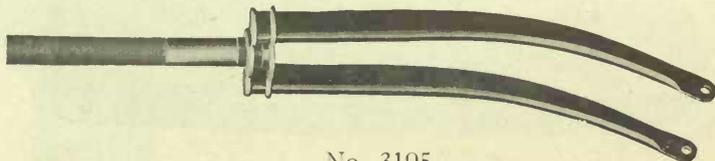
## Fork Repair Parts

Drop forged. Supplied in 7/8" and 1".

No. 3187—Price, 1" ..... Per dozen \$1 40

No. 3188—Price, 7/8" ..... Per dozen 1.40

## Repair Forks



No. 3195

Forged three-plate crown, well made, strong, enamelled.

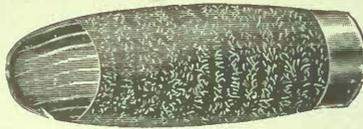
3192—Price, Enamelled, 24 thread, 9-in. stem, each ..... \$5.00

3193—Price, Enamelled, 24 thread, 10-in. stem, each ..... 5.20

3194—Price, Enamelled and plated crown 24 thread, 9-in. stem, each ..... 5.60

3195—Price, Enamelled and plated crown 24 thread, 10-in. stem, each ..... 5.80

## Handle Bar Grips

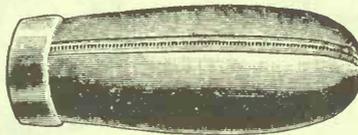


No. 3200

Strong wood core, leather wound. Length  $3\frac{1}{2}$  inches.

No. 3200—Price, with aluminum ferrule, per dozen pairs .....	\$4.00
No. 3201—Price, without ferrule, per dozen pairs .....	3.12

## Best Quality Leather Grips



No. 3203

Stitched, leather covered, with ferrule, length  $3\frac{1}{2}$  inches.

No. 3203—Price, per pair .....	\$0.5
No. 3204—Price, Juvenile size, $\frac{5}{8}$ in., per pair .....	.6

## Leather Wound Grips

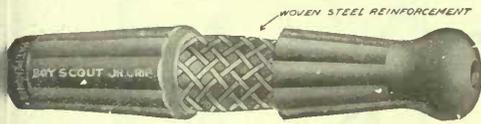


No. 3207

Leather wound, Bull Dog type, strongly made with aluminium ferrule. Length inches.

No. 3027—Price, per pair .....	\$0.
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## Boy Scout Jr. Rubber Grips



No. 3208

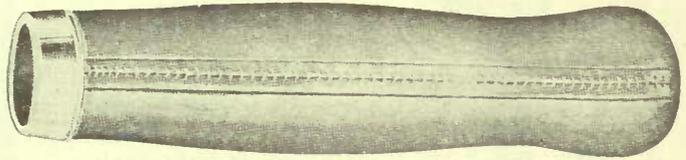
Same design as motorcycle grips, woven steel reinforcement. Length, 6 inches.

No. 3208—Price, per pair . . . . . \$0.90

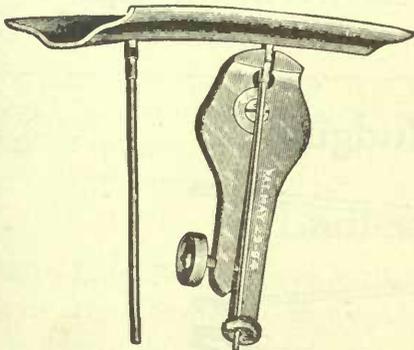
## Bull Dog Grips

Best grade sewn leather, aluminum ferrule. Length 5½ inches.

No. 3209—Price, per pair \$0 80



No. 3209



No. 3212-3

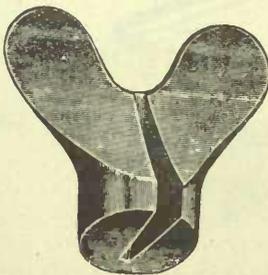
## Perfect Nipple Grips

Made in two sizes, small and large.

No. 3212—Price, small size each, . . . . . \$1.70

No. 3213—Price, large size each . . . . . 1.90

## Clifford Nipple Grip



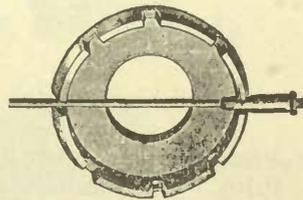
No. 3210

small size. Nickel finish.

No. 3210—Price, each . . . . . \$0 24

Price, per dozen . . . . . 2 80

## Taggart Nipple Grip

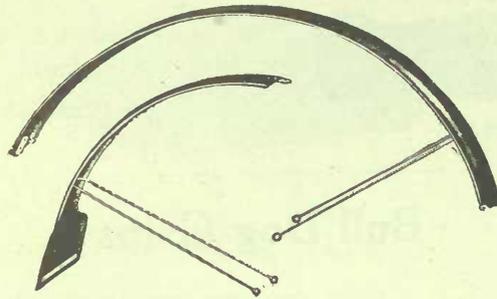


No. 3211

Well made, nickel finish.

No. 3211—Price, per dozen . . . . . \$3.60

## Hyslop Mudguards

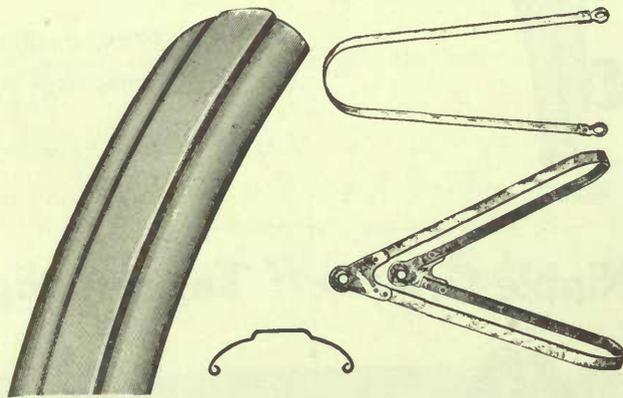


No. 3215

High Grade Steel, black enamelled; extra strong and wide.

No. 3215—Price, Hyslop, complete with flap, per pair .....	\$2.20
No. 3216—Price, Hyslop, front guard only with flap, each .....	1.20
No. 3217—Price, Hyslop rear guard only, each .....	1.00
No. 3218—Price, Hyslop, complete less flap, per pair .....	1.70
No. 3219—Price, Hyslop front only, less flap each .....	.70
No. 3220—Price, Braces for Hyslop Guards, each .....	.30
Price, per dozen .....	3.00

## Raised Centre Mudguards

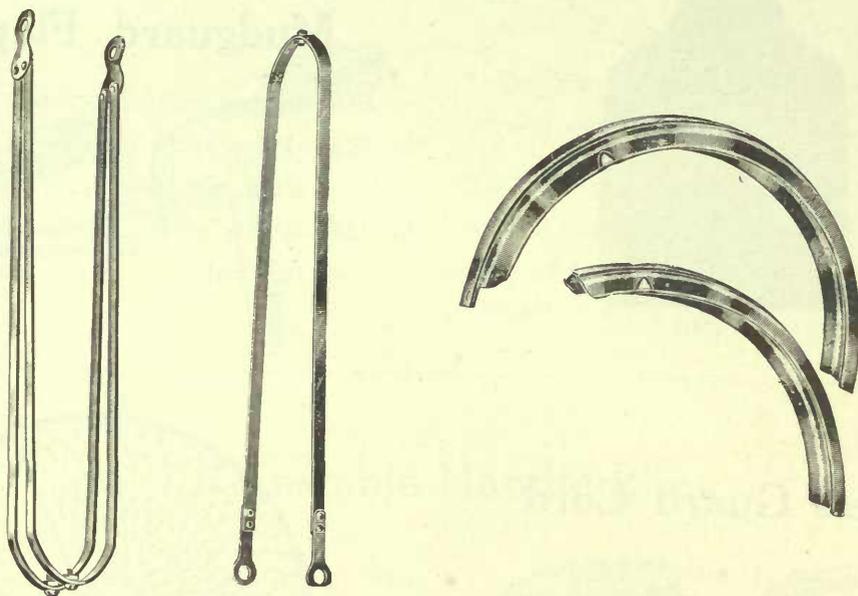


No. 3221

Steel, enamelled black, raised centre, turned edges. Double rear and single front stays.

No. 3221—Price, complete with flap, per pair .....	\$1.00
No. 3222—Price, Front guard only with flap, each .....	1.00
No. 3223—Price, Rear guard only, each .....	1.00
No. 3224—Price, complete, less flap, per pair .....	1.00
No. 3225—Price, Front guard only, less flap, each .....	1.00
No. 3226—Price, Single stays for above, each .....	2.00
Price, per dozen .....	24.00
No. 3227—Price, Double stays for above, each .....	4.00
Price, per dozen .....	48.00

## Drop Side Mud Guards



No. 3230

Drop side Mudguards are the very latest in bicycle equipment. These are supplied as illustrated, and fitted with double rear and single front stays.

No. 3230—Price, per pair ..... \$2 60

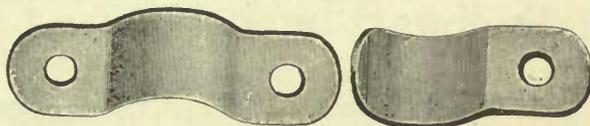
## Ladies' Mudguards

No. 3231—Price, Raised Centre Mudguards, front and rear, double rear stay, single front stay, rear guard eyeletted for dress cord, less flap. Per pair ..... \$2.00

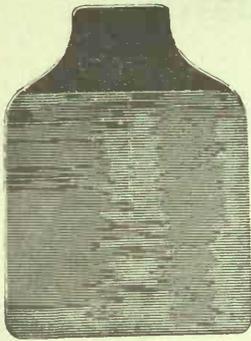
## Mudguards for Juvenile Bicycles

No. 3232—Price, Juvenile Mudguards, 26-in. less flap, per pair ..... \$1.80  
 No. 3233—Price, Juvenile Mudguards, 24-in. less flap, per pair ..... 1.80

## Mudguard Clips, Rivets & Screws



No. 3235—Top Clip for Mudguard, per dozen ..... \$0 80  
 No. 3236—Bottom Clip for Mudguard, per dozen. .... .80  
 No. 3237—Tubular Rivets for Mudguard flaps, per 100 ..... .60  
 No. 3238—Solid Rivets for Mudguard flaps, per 100 ..... 30  
 No. 3239—Mudguard Screw with washer assembled, per doz. .... .70



No. 3240

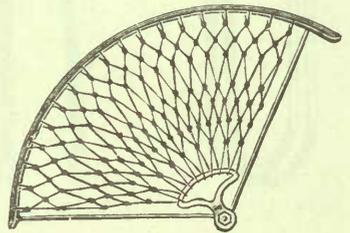
### Mudguard Flap

Plain leather mudguard flap.

No. 3240—Price, each ..... \$0.4  
 Price, per dozen ..... 4 6  
 No. 3241—Price, Rivets for flaps, per  
 hundred ..... .6

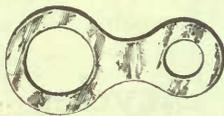
### Dress Guard Cord

No. 3242—Price, Detachable Dress  
 Cord, assorted colors, per pair .... \$1.10



No. 3242

### Lacing Loops



No. 3243

No. 3243—Price, Lacing Loops, per  
 pair ..... \$0.20  
 Price, per dozen pairs ..... 2 20

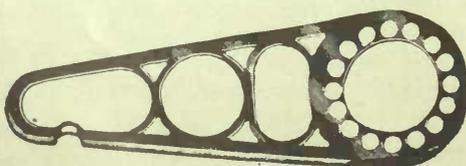
### Dress Guard Cord



No. 3244

Made up in 18 yard lengths, neatly box  
 and packed 12 in one carton.

No. 3244—Price, per dozen ..... \$3



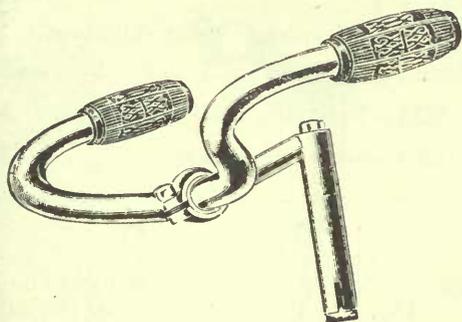
No. 3245

### Metal Chain Guards

Adjustable to different lengths.

No. 3245—Price, each ..... \$3

## Adjustable Handle Bars

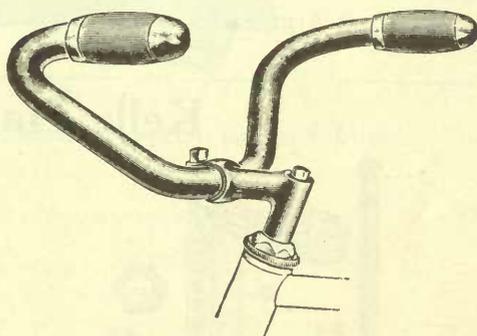


No. 3248

3½-inch drop, 2½-inch forward bend, extension stem, 7⁄8-inch tubing, 1-inch ferrule.

No.	Price
3248—Complete, less grips, each . . . .	\$2.90
3249—Top only, each . . . . .	1 60
3266—Extension stem only, each . . . .	1.30

## Adjustable Handle Bars



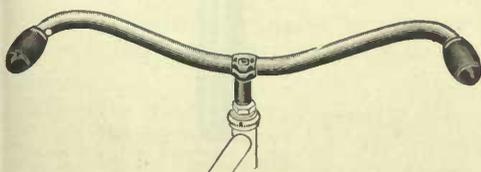
No. 3251

	Price
o. 3251—Adjustable handlebars, drop 4½ in., forward bend 2½ in., width 20 in., extension stem, complete less grips . . . . .	\$3.50
o. 3252—Top only . . . . .	2 20
o. 3254—Complete, less grips, each. \$2.80	

## Adjustable Handle Bars Extra Wide

No. 3250—Adjustable handlebars, 24 in. top with straight stem, complete less grips	\$3.70
No. 3253—Top only 24 inches wide, . . . . .	2 60
No. 3267—Stem only . . . . .	1 20

## Forward Bend Handle Bars

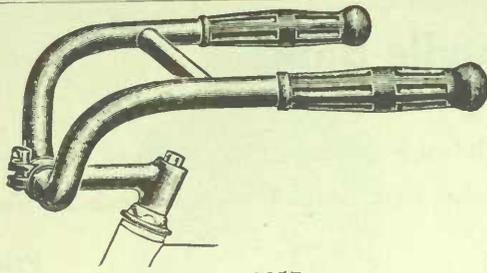


No. 3254

Standard style, adjustable, 2-inch drop, 2½-inch forward bend, 20 inches wide, 7⁄8-inch tubing, 1 inch ferrule.

	Price
No. 3254—Complete, less grips, each.	\$2 80
No. 3255—Top only, each . . . . .	1.60
No. 3267—Stem only, each . . . . .	1 20

(All handlebar heavily nickel-plated on copper)



No. 3257

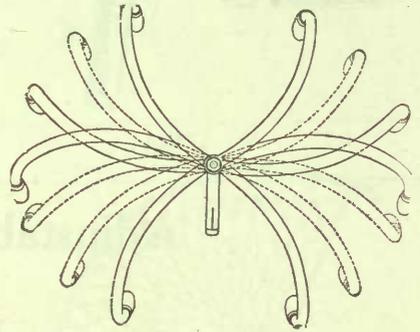
## Braced Motor Bike Bars

	Price
No. 3257—Complete, with extension stem, less grips .....	\$5.30
No. 3258—Top only, each .....	3 50
No. 3259—Stem only, each .....	2 00

## Kelly Handle Bars

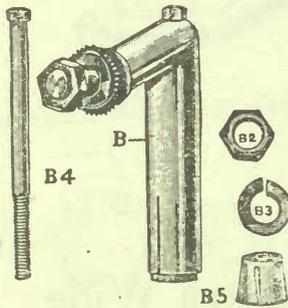
Kelly Divided, extension, adjustable bars. Normal 20 inches. 7/8-inch stem.

	Price
No. 3260—Complete, less grips, each.	\$4 50
No. 3261—Right Arm, each .....	2 00
No. 3262—Left Arm, each .....	2.00



No. 3260

## Kelly Handlebar Stem



No. 3264

	Price
No. 3264—Kelly Extension Stem, 2 1/2 inches, each .....	\$2 2
No. 3265—Kelly Stem Parts—	
B2—Extension stem nut .....	.2
B3—Extension stem washer .....	2
B4—Expander Screw .....	2
B5—Expander plug .....	2

## Extension Handlebar Stem



No. 3266

4 1/2 x 7/8, 3 inch forward throw, with bolt and expander.  
 No. 3266—Price, each .....

\$1.30

## Straight Handlebar Stem



No. 3267

Complete with bolt and expander.  
 No. 3267—Price, 4 1/2 x 7/8, each .....

\$1

No. 3268—Price, 5 1/2 x 7/8, each .....

1

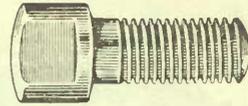
### Goose Neck Handlebar Stem



No. 3269

Three-inch forward throw for upturned bar, 5½x7/8.  
 No. 3269—Price, each ..... \$1.30

### Extension Bolt



No. 3277

Bolt for holding handlebar in extension stem, made from high grade steel.  
 No. 3277—Price, each ..... \$0.20

### Handlebar Bolt and Expander



No. 3272

Made from high-grade steel, accurately finished, hexagon nicked heads. Size, 6 inches.

No. 3272—Price, Bolt and Expander, each ..... \$0.24  
 Price, per dozen ..... 2.60  
 No. 3273—Price, Expander Plug only, each ..... .12  
 Price, per dozen ..... 1.20

### Handle Fix

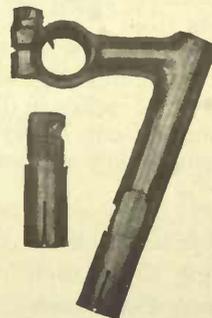


No. 3274

For cementing grips to handle bars. Put up in collapsible tubes and in tins.

No.	Price
3274—Per tube .....	\$0.08
Per dozen tubes .....	.90
3275—½ lb. Tin, each .....	.60
Per dozen Tins .....	6.80
3276—1 lb. Tin, each .....	1.10
Per dozen Tins .....	12.80

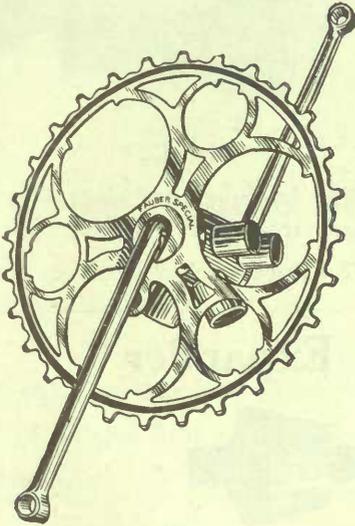
### Handlebar Stem Repair Plug



No. 3270

Special plug for repairing broken handlebar stems, can be attached in five minutes. This article is necessary in every repair shop.  
 No. 3270—Price, per dozen ..... \$3.60

## Fauber Special Hanger and Parts



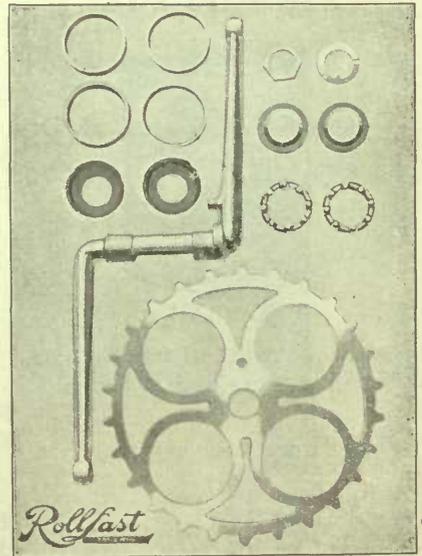
Complete Hanger with 7 inch cranks 26 tooth sprocket, one  $\frac{5}{8}$  inch chain line.

No.	Price
3280—Complete crank, each .....	\$8.80
3281—Crank only, each .....	4.40
3282—Sprocket only, each .....	2.70
3283—Cup right, each .....	.90
3284—Cup left, each .....	.90
3285—Cone right, stationary each ....	.60
3286—Cone left, adjusting each .....	.60
3287—Lock Nut, each .....	.40
3288—Lock nut washer, each .....	10
3289—Ball retainers, less balls, per doz.	2.20

## Rollfast Crank Hanger Repair Set

The Rollfast Crank Hanger is a high Grade and well designed repair set. It is of the one piece crank type with removable 26 tooth sprocket; crank shaft is  $3\frac{1}{4}$  inches long from inside of sprocket to adjusting lock nut, and will fit brackets from  $2\frac{1}{2}$  to  $3\frac{1}{4}$  inches wide; has cups  $\frac{25}{32}$  of an inch in diameter also two sets of extra bushings to make cups  $1\frac{15}{16}$  and  $2\frac{1}{32}$  inches in diameter, allowing a wide range of cup sizes; complete with balls, ball retainers, key washer and lock nut.

No.	Price
3291—Complete set, each .....	\$10.00
3292—Adjusting Cone, each .....	.70
3293—Stationary Cone, each .....	.70
3294—Crank only .....	4.50
3295—Ball retainers with balls .....	.30
3296—Bracket Cup, each .....	.70
3297—Lock Nut, each .....	.40
3298—Lock Washer, each .....	.20
3299—Bushing, each .....	.30



No. 3291

# STEVENS UNIVERSAL REPAIR HANGER

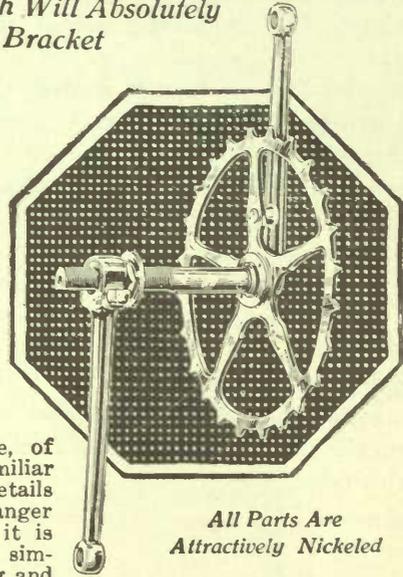
*The Only Repair Hanger Which Will Absolutely Fit Every Size Bicycle Bracket*

**S**TEVENS Universal Repair Hanger is the easiest to apply — there are no tedious nor lengthy operations involved. This Hanger, with the proper cup and cone sizes, will exactly fit any bicycle bracket.

## IMPROVEMENTS

The Stevens Hangers which we supply have the two new improvements:

1. *The new cotter pin* has a broader bearing surface which holds the crank firmly to the shaft because it cannot "chew" the shaft;
2. *A tougher alloy* is used, heat-treated to resist a great twisting strain.



*All Parts Are Attractively Nicked*

You are, of course, familiar with the details of this hanger and know it is the most simple, strong and practical. Anyone can apply it quickly—no expert skill required.

## CUP AND CONE INFORMATION

In ordering Stevens Repair Hanger, be sure to get cup and cone sizes right. Measure the inside diameter of the bicycle bracket and then get the same size cups, ordering by our number from the table at the left.

For Stevens Repair Hanger the cups are arranged in 5 groups, each group having the same inside diameter. So all cups in one group are fitted by the same size pair of cones. Since there are 5 groups of cups, only 5 sizes of cones are necessary.

## REGULAR EQUIPMENT

Stevens Hanger is supplied with cups, cones, sprocket also a "D" washer and lock nut to secure left cone.

## PRICES

CUPS		
Cup Number	Outside Diameter	Size of Balls
<b>Group No. 1</b>	501 1 1/2 inches	1/4
	502 1 1/2 "	1/4
	503 1 5/16 "	1/4
	504 1 19/32 "	3/16
<b>Group No. 2</b>	505 1 5/8 "	3/16
	506 1 21/32 "	3/16
	507 1 11/16 "	3/16
	508 1 23/32 "	3/16
	509 1 3/4 "	3/8
<b>Group No. 3</b>	510 1 25/32 "	3/8
	511 1 13/16 "	3/8
	512 1 27/32 "	3/8
	513 1 7/8 "	3/8
	514 1 29/32 "	3/8
<b>Group No. 4</b>	515 1 15/16 "	3/8
	516 1 31/32 "	3/8
	517 2 "	3/8
	518 2 1/32 "	3/8
<b>Group No. 5</b>	519 2 1/16 "	3/8
	520 2 3/32 "	3/8
	521 2 1/8 "	3/8

CONES		
Cone Number	Outside Diam.	Inside Size
<b>Group No. 1</b>	551 1 3/8	1 1/16x24 L. H.
	552 1 3/8	3/4x24 R. H.
<b>Group No. 2</b>	553 1 1/2	1 1/16x24 L. H.
	554 1 1/2	3/4x24 R. H.
<b>Group No. 3</b>	555 1 5/8	1 1/16x24 L. H.
	556 1 5/8	3/4x24 R. H.
<b>Group No. 4</b>	557 1 3/4	1 1/16x24 L. H.
	558 1 3/4	3/4x24 R. H.
<b>Group No. 5</b>	559 1 13/16	1 1/16x24 L. H.
	560 1 13/16	3/4x24 R. H.

No. 3303—Price, Adjusting cone for Steven's Hanger .....	66
No. 3304—Price, Stationary cone for Steven's Hanger .....	66
No. 3305—Price, Steven's right crank .....	3.20
No. 3306—Price, Steven's left crank .....	2 10
No. 3307—Price, Cotter Pin, New Type .....	40
No. 3308—Price, Cotter Pin, Old Type .....	20
No. 3309—Price, Lock Nut .....	40

When ordering, specify cone and cup numbers as shown on above schedule.

# Stevens One-Piece Universal Repair Hanger

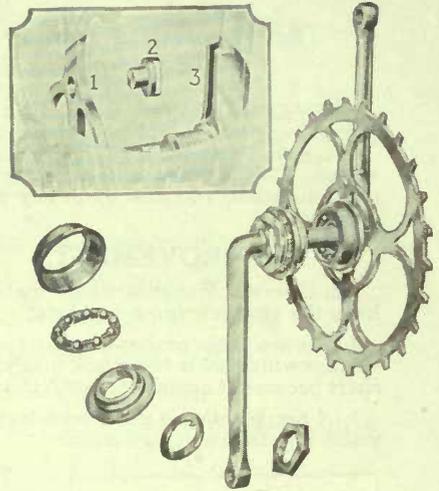
The Adjustable Driving Stud (2) and the Grooved Crank (3) permit the use of any Sprocket (1).

This patented Stevens feature enables the repairman to use the old sprocket again or any sprocket in stock.

The Stevens ONE-PIECE Hanger is easy and quick to fit because the cups and cones are furnished in exact sizes.

With 5 different CUP sizes, requiring only 2 different CONE sizes, this hanger fits all standard brackets.

It is simple to order the correct sizes. You specify the **inside diameter** of the bracket and we will send the correct cup and cone sizes as shown in this table:



No. 3310

Inside Diameter of Bracket

1 3/4 in.	Cup No. 109	} <u>Cones</u> 151 Left Adjusting 152 Right Stationary	} <u>Retainers</u> No. 99 with 11 1/4-in. balls
1 13/16 in.	Cup No. 111		
1 15/16 in.	Cup No. 115	} <u>Cones</u> 155 Left Adjusting 156 Right Stationary	} <u>Retainers</u> No. 66 with 9 5/16-in. balls
1 31/32 in.	Cup No. 116		
2 1/32 in.	Cup No. 118		

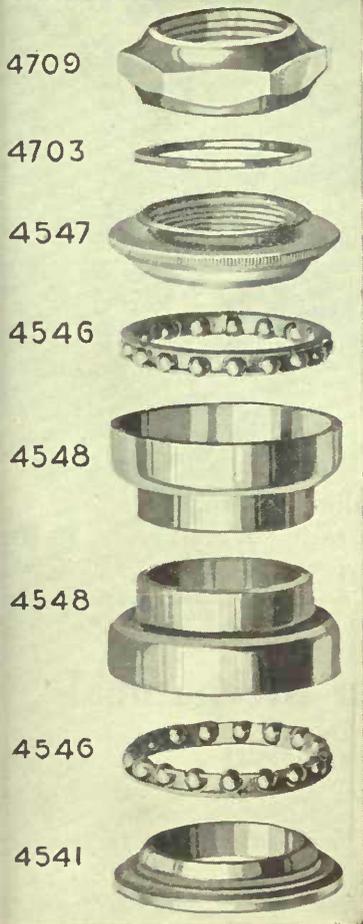
Cones are threaded standard 7/8 in. x 24, Left adjusting; 15/16 in. x 24, Right Stationary. The bearing surface is two-point self-aligning, polished.

The sprocket is made from tough sheet steel; the teeth are accurately machined (not punched).

For greater satisfaction we urge you to use complete Stevens Equipment with the hanger, including one-piece crank, cups, cones, driving stud, "key" washer, lock nut sprocket.

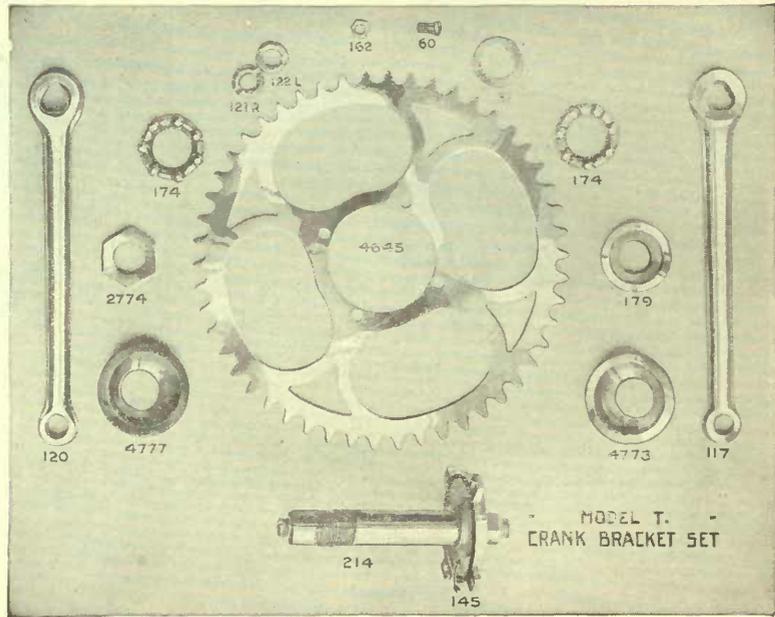
No. 3310—Price,	Stevens One-Piece Crank, Crank complete .....	\$11 00
No. 3311—Price,	Stevens One-Piece Crank, less Sprocket .....	8 00
No. 3312—Price,	Stevens One-Piece Crank, only .....	5.00
No. 3313—Price,	Stevens One-Piece Sprocket, only .....	3 80
No. 3314—Price,	Stevens Cups, per pair .....	1.50
No. 3315—Price,	Stevens Cones, per pair .....	1.50
No. 3316—Price,	Stevens Lock Nut, each .....	.34
No. 3317—Price,	Stevens Lock Nut Washer, each .....	06
No. 3318—Price,	Stevens Ball Retainers, small, less balls, per Doz. ....	2.30
No. 3319—Price,	Retainers, large, less balls, per Doz. ....	2 30
No. 3320—Price,	Stevens Piece for holding Sprocket, each .....	22

Head Fittings



No.		Price
4708	The following parts made up complete, per set	\$2.10
4709	Adjusting Cone Lock Nut, each	.40
4703	Adjusting Cone Lock Washer, each	.06
4547	Upper Adjusting Cone, each	.54
4546	Ball Cage (5/32 balls used) upper or lower (less balls), each	.10
4548	Upper or lower cup, each	.50
4541	Stationary Cone, each	.32

Parts for Crank Hanger



No.	1916 to 1920 Models	Price
214	Axle, fitted with stationary Cone, used 1916, 17, 18, 19, 20, each	\$2.70
145	Stationary Cone used 1916, 17, 18, 19, 20, each (Stationary Cone assembled on axle. See cut.)	.40
179	Adjusting Cone used 1916, 17, 18, 19, 20, each	.66
174	Ball Cages (322) less balls (5/16 ball used), used 1916, 17, 18, 19, 20, dozen	2.08
2774	Lock Nut used 1916, 17, 18, 19, 20, each	.32
151	Lock Nut Washer, used 1916, 17, 18, 19, 20, each	.04
117R	Right-hand Crank, used 1916, 17, 18, 19, 20, each	1.70
120L	Left-hand Crank, used 1916, 17, 18, 19, 20, each	1.70
121R	Right-hand Crank Jamb Nut, used 1916, 17, 18, 19, 20, each	.18
122L	Left-hand Crank Jamb Nut, used 1916, 17, 18, 19, 20, each	.18
4645	Sprocket, 50 tooth, 1/2" pitch, 3/8" wide, used 1916, 17, 18, 19, 20, each	2.80
60	Sprocket Bolt, used 1916, 17, 18, 19, 20, dozen	.72
162	Sprocket Bolt Nut, used 1916, 17, 18, 19, 20, dozen	.24
162	Steel Balls—5/16, used 1916, 17, 18, 19, 20, per 100	2.10
145	Coupler and Ball Cases (ball bearing sleeve), used 1916 only (not shown in plate), each	3.30
	Ball Case Collar—(Ball Retainer washer), used 1916 only (not shown in plate), each	.06
4777	Right Cup outside diameter, 1 13/16" (black finish), used 1917, 18, 19, 20 only, Model T, each	.76
4773	Left Cup outside diameter 1 13/16" (nickel plated finish), used 1917, 18, 19, 20 only, Model T, each	.76

Extra Parts for Hercules One-Piece Crank Hanger

For replacement on Model "F" bicycles.

No.	Price	No.	Price		
630	Crank and Axle (one piece), each	\$5.50	321	Ball Cages, less balls, per dozen	2.08
4432	Stationary Cone, each	.54		Balls, 5/16", per 100	2.10
3077	Adjusting Cone, each	.54	4753	Dust Shield, each	.14
4734	Lock Nut, each	.36	4480	Sprocket, 50"x 1/2"x 3/8", each	2.80
4733	Lock Nut Washer, each	.04	5000	Hanger complete with sprocket and cups, each	12.00
4409	Ball Cups, outside diameter 1-61/64", each	.90			

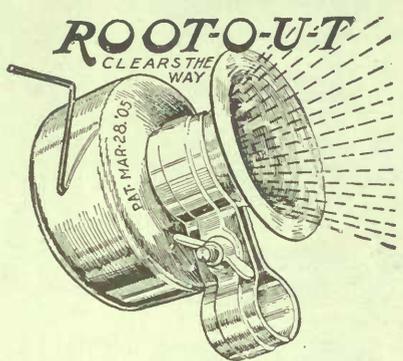
### Clear-Out Mechanical Horn



No. 3324

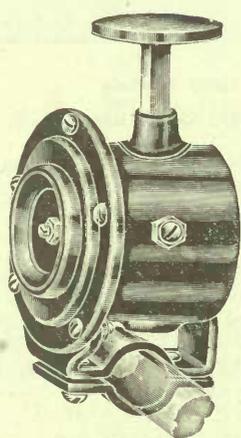
Loud sound, crank type, adjustable clamp.  
No. 3324—Price, each ..... \$1.50

### Root-Out Mechanical Horn



No. 3325

Crank type, adjustable clamp.  
No. 3325—Price, each ..... \$0.50  
Price, per dozen ..... 5 70

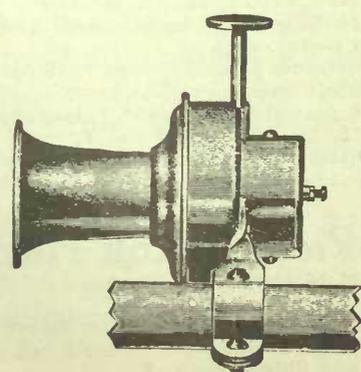


No. 3326

### Rollfast Mechanical Horn

Plunger type, long distance signal, special clamp.

No. 3326—Price, each ..... \$2 80  
No. 3326A—Price Star two way horn  
each ..... 2 00



### Bevin's Long Distance Horn

Hand operated horn, substantially made, loud, penetrating tone. Black enamel with nickel plated bracket

No. 3327—With projector, each ..... \$4.00

## Barrel Front Hub

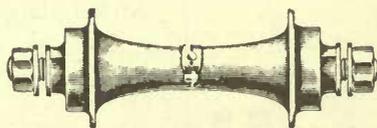


No. 3328

Good quality steel barrel front hub, full nickel plated, ball retainers, and 3/16 in. steel balls, drilled 36 holes.

No. 3328—Price, 36 Hole, each .....	\$1.40
No. 3328A—Price, 32 Hole, each .....	1.40

## New Departure Hubs

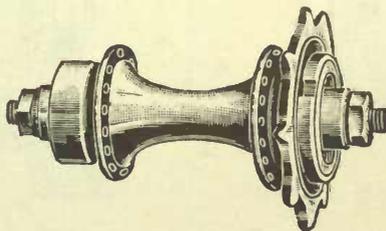


No. 3329

New Departure front hub fitted with special oiler, ball retainers and dust caps.

No. 3329—Price, 32 holes .....	\$2.00
No. 3330—Price, 36 holes .....	2.00

## Rear Hub

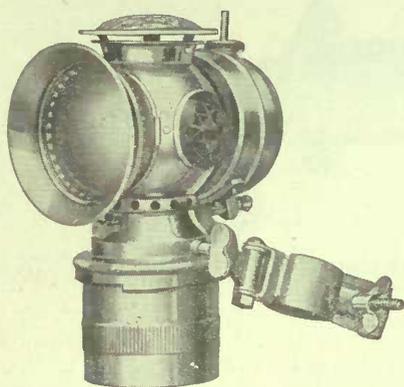


No. 3331

This fine drop centre or concave hub is exceptionally well made, easy running, full nickel plated. Drilled 36 holes, with 3/16x1 in. pitch, 9 tooth sprocket.

No. 3331—Price, each .....	\$3.00
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## Solar Gas Lamps

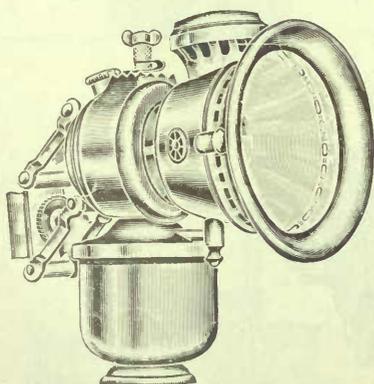


No. 3332

Made of heavy brass, nickel-plated, 7 inches high, 2 5/8 in. double convex front lens, 1 1/2 in. ruby and green side light, aluminium reflector.

No. 3332—Price, complete with Bicycle bracket. . . . . \$8.00

## Revenge Improved Gas Lamp

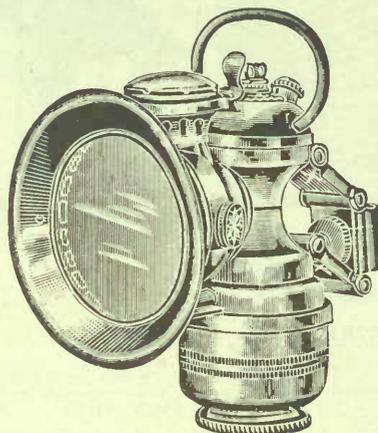


No. 3333

Brass nickel-plated, 6 1/2 inches high, 3 inch front lens.

No. 3333—Price, complete with bracket \$4 80

## P. & H. No. 75 Gas Lamp

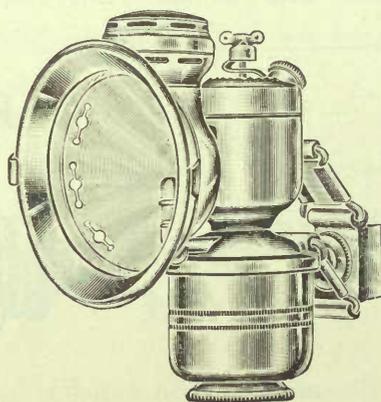


No. 3334

Nickel-plated, burnished reflector, 7 1/2 inches high, 3 1/4 in. front lens, ruby side glasses.

No. 3334—Price, complete with bracket \$7 00

## Panther Gas Lamp

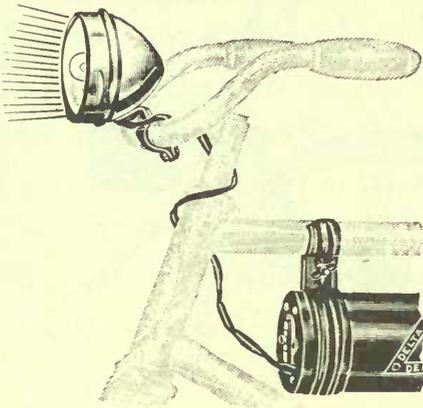


No. 3335

English Gas lamp, brass nickel-plated, height 6 inches.

No. 3335—Price, complete with bracket \$3 40

## Delta Electric Lamp Model 27 One Cell



Throws a strong white light. Delta quality throughout.

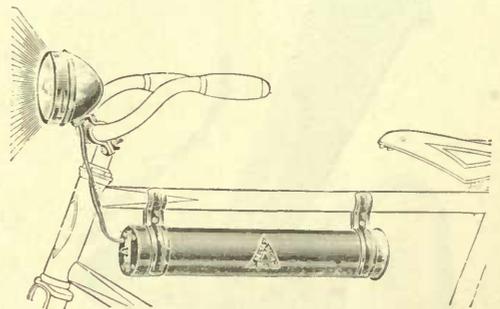
The low price puts this lamp within reach of every rider. Carries Mazda bulb 1.5 volt, .8 ampere.

No. 3336—Price, Delta Lamp complete without batteries ..... \$4 50

## Delta Electric Lamp Model 28a Two Cell

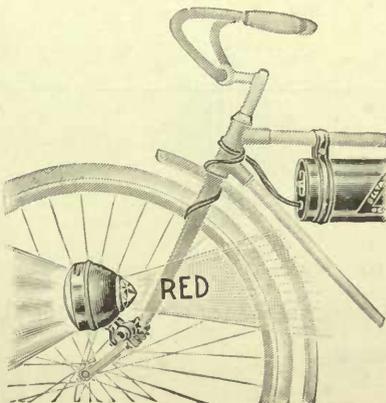
3¼-inch powerful parabolic reflectors, fitted with improved lamp sockets; snap "on" and "off" switches; wires best quality saturated weather proofed.

No. 3338—Price, Complete Delta Bicycle Lamp, without batteries ..... \$5.00



No. 3337

## Delta Electric Lamp Model 38 One Cell



No. 3338

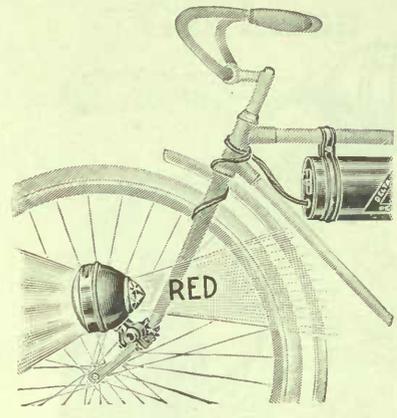
Combination head and tail light. Extra clamp attaches to any fork. Red light shines through perforated reflector.

No. 3338—Price, Delta Lamp complete without batteries ..... \$5.00

### Delta Electric Lamp Model 39 Two Cell

Combination head and tail lights. Same as No. 38 except battery case twice as long and 2.8 volt bulb No. 460 throws bigger light. Best bicycle lamp known regardless of price.

No. 3339—Price, Delta lamp complete without batteries ..... \$5 50



### Presto Electric Canoe and Carriage Lamp

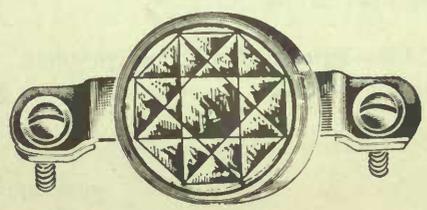


No. 3340

3-inch bull's eye lens and highly polished reflector, carriage lamp, red jewel light to side and rear, canoe lamp, red and green jewel lights to side and-rear, tungsten bulb, bayonet type switch, heavy adjustable bracket.

- No. 3340—Carriage lamp, less battery, each ..... \$3.30
- No. 3341—Canoe lamp, less battery, each ..... 3.30

### Reflex Rear Light



No. 3357

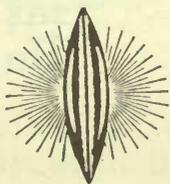
Made to attach on rear mudguard. Will give a warning signal for several hundred feet. Nickel plated.

- No. 3357—Price, per dozen ..... \$4 60

## Electric Lamp Parts

No. 3342—Price, Switch only for Solar Lamp .....	\$0 70
No. 3343—Price, Switch only for Presto Lamp .....	.70
No. 3344—Price, Wire for Delta Lamp or Presto Lamp .....	.70
No. 3345—Price, Glass only for Solar Lamp .....	.50
No. 3346—Price, Glass only for Delta Lamp .....	.50
No. 3347—Price, Battery Box with straps for Solar Lamp .....	2.00
No. 3348—Price, Battery Box with straps for Delta Lamp .....	2.00
No. 3349—Price, Bulb as supplied with Solar or Presto Lamp, each .....	.48
Price, 10 in standard package .....	4.50
No. 3350—Price, Bulb as supplied with Delta Lamp, each .....	.48
Price, 10 in standard package .....	4.50
No. 3351—Price, Bulb for Delta 2 cell, each .....	.48
No. 3352—Price, Standard package of 10 .....	4.50
No. 3353—Price, Head complete for Delta Lamp .....	3.00
No. 3354—Price, Head complete with Jewel for Delta Lamp .....	3.50
No. 3355—Price, Bulb for canoe lamp, each .....	.48
Price, 10 in standard package .....	4 50
No. 3356—Price, Bulb for carriage lamp, each .....	.48
Price, 10 in standard package .....	4 50

### Lamp Lenses



No. 3360

No. 3360—Price, Double Convex Lens, for Solar Gas Lamp. Size  $2\frac{5}{8}$  in., each ..... \$0 50

### Flat Lamp Glasses

Suitable for all makes of lamps.  
 Sizes  $2\frac{3}{4}$ ,  $2\frac{7}{8}$ ,  $3\frac{1}{16}$ ,  $3\frac{1}{8}$ ,  $3\frac{1}{4}$ ,  $3\frac{1}{2}$ ,  $3\frac{3}{4}$  inches.

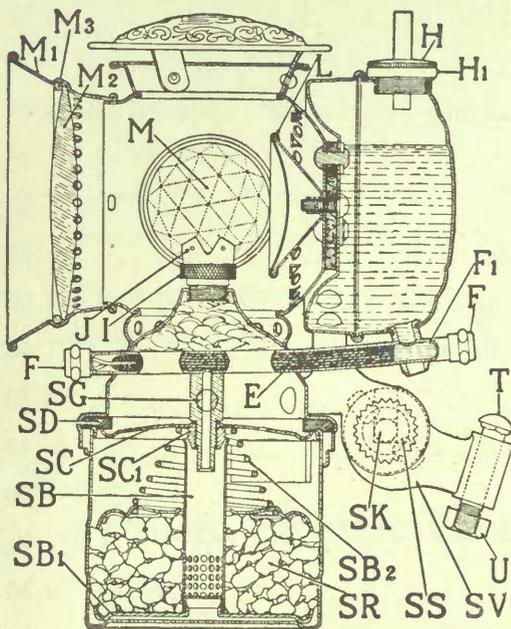
No. 3363—Price, each ..... \$0.20  
 Price, per dozen ..... 2 30

### Concaved Lamp Glasses

Suitable for all makes of lamps. Sizes  $3\frac{1}{16}$ ,  $3\frac{3}{16}$ ,  $3\frac{1}{2}$  inches.

No. 3365—Price, each ..... \$0.30  
 Price, per dozen ..... 3 40

# Solar Gas Lamp Parts



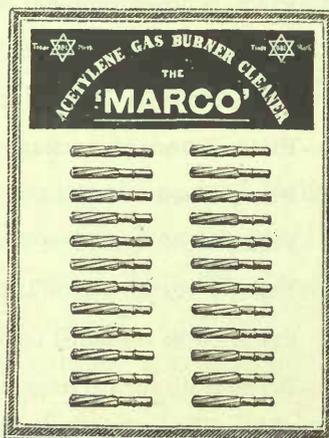
No. 3370—Solar Lamp Parts

Key Letter	Price
S-B	Screen Tube ..... \$0 40
S-B1	Screen Tube Plate ..... 30
S-B2	Carbide Spring ..... 40
S-D	Rubber Washer ..... 20
S-C	Washer Plate ..... 20
S-C1	Washer Plate Nut ..... 20
E	Fibre Wick ..... 20
F	Wick Tube Cap ..... 20
F1	Wick Tube ..... 40
S-G	Water Valve ..... 1.00
S-G1	Water Valve Washer and Nut ... 20
H	Filler Cap ..... 30
H1	Filler Cap Washer ..... 10
I	Tip Holder ..... 16
J	Tip ..... 16
S-K	Ratchet Screw Bolt ..... 40
L	Reflector ..... 50
M	Jewel (Red or Green) ..... 40
M1	Lens Door ..... 60
M2	Lens ..... 50
M3	Lens Wire ..... 10
S-N	Bracket Complete ..... \$1 20

# Solar Gas Lamp Parts—Continued

Key Letter	Price
S-O	Bracket Slide R.H. .... 40
S-O1	Bracket Slide L.H. .... 40
SP	Clamp Screw Bolt ..... 40
SQ	Clamp Screw Thumb Nut ..... 20
SR	Carbide Tank ..... 1.00
SS	Ratchet Screw Thumb Nut ... 15
T	Pivot Bolt ..... 30
U	Pivot Bolt Nnt ..... 14
SV	Ratchet Arm ..... 40
W	Bracket Lining ..... 14

# Gas Burner Cleaner



No. 3371

No. 3371—Burner Cleaner, each	Price
.....	\$0.16
Per Card (2 doz.)	2.50



No. 3372

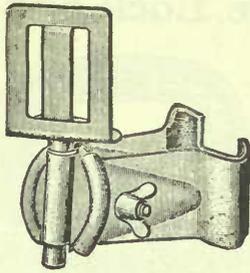
# Gas Lamp Burners

No. 3373—Push-in Type, per dozen	Price
.....	\$2 00

No. 3372—Push-in Type, per dozen	Price
.....	\$2 00



No. 3373



No. 3375

**Combination Cycle and Dash Lamp Bracket**

Universal adjustable swivel, felt lined.

No. 3375—Price, each ..... \$0 26

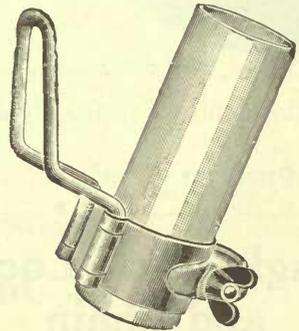
Price, per dozen ..... 3.00

**Cycle Lamp Bracket**

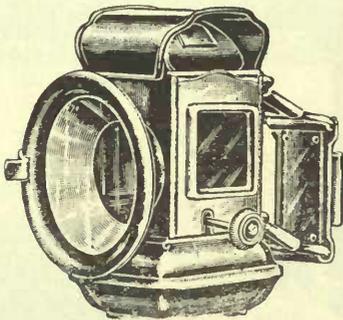
High grade steel, nickel plated, strong, felt lined, adjustable, will fit any Gas Lamp.

No. 3376—Price, each ..... \$0 26

Price, per dozen ..... 3.00



No. 3376



No. 3377

**Oil Lamp**

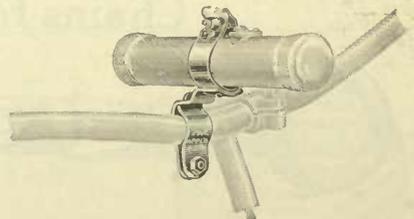
Ventilating, detachable top, 4½ inches high. 2-inch lens, green and ruby side jewels, black finish.

No. 3377—Price, complete with adjustable bracket, each ..... \$1.60

**Wald Flashlight Bracket**

Special flashlight bracket, made from high grade steel and will fit on handlebar or stem.

No. 3378—Price, each ..... \$0.60



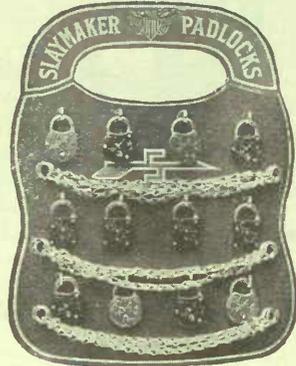
### Yale Lock



No. 3380

Durable lock, nickel plated shackle. Size 1 3/4 in.  
No. 3380—Price, per dozen ..... \$6.00

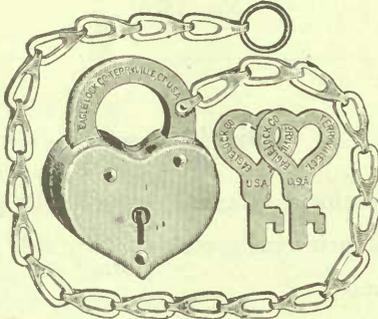
### Bicycle Lock and Chain



No. 3383

One dozen assorted Bicycle locks and chains on display card.  
No. 3383—Price, per card ..... \$8.50

### Eagle Cycle Lock and Chain



No. 3381

Strong lock, black case. Size 1 5/8 inch.  
No. 3381—Price, per dozen ..... \$8.00

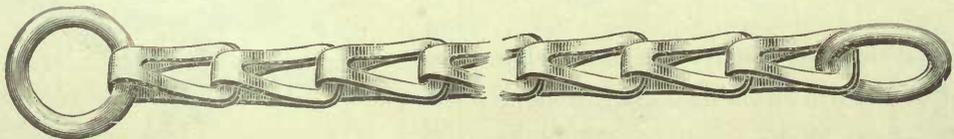
### Yale Long Shackle Lock



No. 3386

Long, hardened steel, nickel plated shackle, spring lock, black janned case.  
No. 3386—Price, per dozen ..... \$20.00

### Chains for Bicycle Locks



No. 3384

No. 3384—Price, chain only, per dozen ..... \$2.50



Nos. 3389-90

## Adjustable Long Shackle Bicycle Lock

Cast brass case, highly polished; brass bolts and tumblers; formed brass key center; nickel steel rod shackle, with milled ratchets. Size across case is  $1\frac{5}{8}$  inches. Inside dimension open to greatest distance, is  $5\frac{1}{2} \times 15/16$  inches, adjustable to  $1 \times 15/16$  inches. Packs one half-dozen to a box and one dozen on cards.

No. 3389—Price, per dozen (not carded) ..... \$20 00  
 No. 3390—Price, per card (12 on a card) ..... 20.60

## Chain Lubricant



No. 3391

Highest grade material supplied in sticks and tins.

No. 3391—Price,  $\frac{7}{8} \times 3$  in. Sticks, per dozen ..... \$0 90  
 Price, per gross ..... 10.00



## Ball Bearing Compound

Finest lubricant on the market for coaster brakes and other ball-bearing mechanisms. Unaffected by weather conditions. Packed in one ounce, two ounce round boxes.

No. 3392—Price, one oz. size, per doz. .... \$1 80  
 No. 3393—Price, two oz. size, per doz. .... 2 60

## Chain Lubricant

This preparation is especially made up for use on Chains. Will stop all noise and loosen rollers on any Chain. Packed in small tins holding approximately 2 oz.

No. 3394—Price, per dozen ..... \$2.00



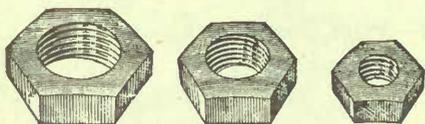
## Metal Name Plates



No. 3395

No. 3395—Price, design as illustrated, complete with screws, each .....	\$0.60
No. 3396—Price, Name plate taps, each	\$0.50
No. 3397—Price, Name plate drills, each	.24
No. 3397A—Price, Name plate screws, Hundred .....	.70

## Hex Nuts

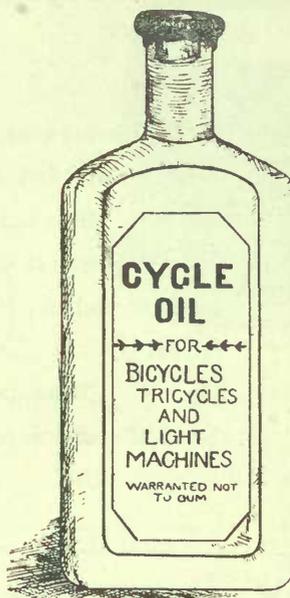


No. 3398

Accurately made, properly hardened, nickel-plated. Packed 100 in a box.

No.	Price
3398— $\frac{1}{4}$ inch, 22, 24, 26, 28, 30, 32 thread or blank, per dozen ..	\$0.80
Per hundred .....	6.00
3399— $\frac{9}{32}$ inch, 24, 26, 28, 30, 32 thread or blank, per dozen ..	.80
Per hundred .....	6.00
3400— $\frac{5}{16}$ inch, 20, 22, 24, 26, 28, 30, 32 thread or blank, per dozen ..	.80
Per hundred .....	6.00
3401— $\frac{3}{8}$ inch, 20, 22, 24, 26, 28, 30, 32 thread or blank, per dozen ....	.80
Per hundred .....	6.00

## Bicycle Oil



No. 3406

This high-grade Oil is specially compounded for use on Bicycles, Sewing Machines, Lawn Mowers, etc. It will not gum or corrode and can be used on any machinery no matter how delicate. Approximately 2 ozs. of oil in each bottle.

No. 3406—Price, per dozen bottles .....

\$1.30

## Standard Oiler



No. 3407

Standard size oiler, detachable spout, nickel-plated.

No. 3407—Price, per dozen .....

\$3.00

## Lubricating Oil



No. 3409  
"3 in 1" bottle.

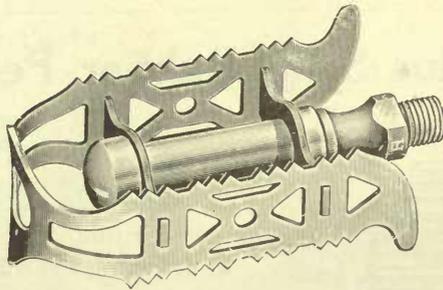


No. 3411  
"3 in 1" Handy Can.  
3½ oz. (Reduced Size).

"3-in-1" Lubricating Oil, for lubricating, cleaning and polishing. Highest grade oil for chain bearings, etc.

No. 3409—Price, per dozen, 1 oz. bottles .....	\$2.40
No. 3410—Price, per dozen, 3 oz. bottles .....	4.90
No. 3411—Price, per dozen, special can .....	4.90
No. 3412—Price, Factory Size Bottle, per dozen .....	9.60

## Pirate Rat Trap Pedals

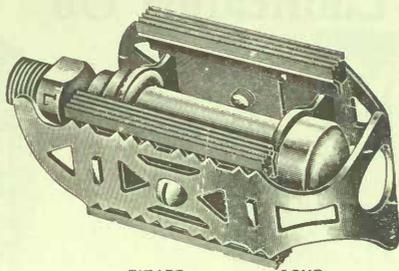


PIRATE R.T. PEDAL  
No. 3415

Strongly made, rat trap design.

No. 3415—Price, ½ in. x 20 thread, per pair .....	\$1.80
No. 3416—Price, 9/16 in. x 20 thread, per pair .....	1.80

## Combination Rubber Rat Trap Pedals



PIRATE COMB.

No. 3417

Best grade detachable rubber treads.

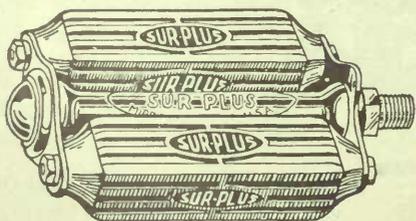
No. 3417—Price, 1/2 in. x 20 thread, per pair.....	\$2.20
No. 3418—Price, 9/16 in. x 20 thread, per pair .....	2.20

## Pedal Parts

(For Combination Rat Trap Pedal)

No. 3419—Price, Rubbers, per set .....	\$0.50
No. 3420—Price, Plates, each .....	.16
No. 3421—Price, Right Axle, each .....	.60
No. 3422—Price, Left Axle, each .....	.60
No. 3423—Price, Bolt, each .....	.06
No. 3424—Price, Dust Cap, each .....	.30
No. 3425—Price, Cone, each.....	.20
No. 3426—Price, Lock Nut, each .....	.08
No. 3427—Price, Lock Washer, each.....	.08

## Surplus Solid Rubber Pedals

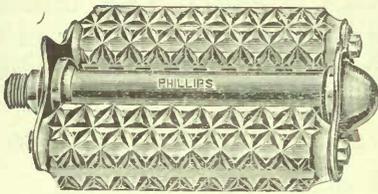


No. 3430

Well made and the latest in correct pedal construction. It is a quality pedal throughout, having the wide rubber tread, special ball retainers and 3/16 inch steel balls. This pedal is also dust proof and will give satisfaction in every respect.

No. 3430—Price, Gentlemen's type, 3 3/4-in. wide x 20 tread, per pair .....	\$3.20
No. 3431—Price, Ladies' type 3 1/4-in. wide x 20 tread, per pair .....	3.20

**Phillips Solid Rubber Pedals**



No. 3441

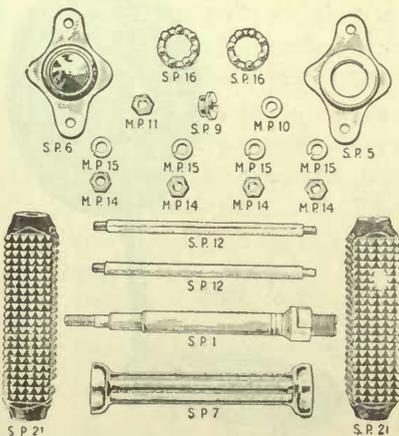
Phillips English made Solid Rubber Pedals, mens 4 in. wide made in 1/2 and 9/16 sizes.  
 No. 3441—Price, mens 1/2 x 20, per pair \$2.80  
 No. 3442—Price, mens 9/16x20, per pair 2 80  
 No. 3443—Price, ladies 1/2x20, per pair 2.80

**Pedal Parts**

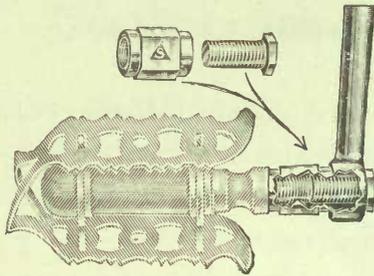
For Standard and Torrington Solid Rubber Pedals.

No.	Price
3432—Rubbers, per set .....	\$0.50
3433—Right Axle, each .....	.60
3434—Left Axle, each .....	.60
3435—Bolt for Rubber, each .....	.30
3436—Nuts for Rubber Bolts, each .....	.08
3437—Dust Cap, each .....	.40
3438—Cone, each .....	.20
3439—Lock Nut, each .....	.08
3440—Lock Washer, each .....	.08

**Surplus Pedal Parts**



No.	Price
3445—S.P. 1—Right Axle, ea.....	\$0.60
3446—S.P. 2—Left Axle, ea.....	.60
3447—S.P. 5—End Plate Inner, ea....	.30
3448—S.P. 6—End Plate Outer, ea....	.30
3449—S.P. 7—Sleeve, ea. ....	.90
3450—S.P. 9—Adjusting Cone, ea. ....	.20
3451—M.P. 10—Locknut Washer, ea.	.08
3452—M.P. 11—Lock Nut, ea. ....	.08
3453—S.P. 12—Tie Rods, ea. ....	.30
3454—M.P. 14—Tie Rod Nuts, ea. ....	.08
3455—M.P. 15—Tie Rod Washer, ea. ...	.04
3456—S.P. 16—Retainers with Balls, ea.	.20
3457—S.P. 17—Retainers Less Balls, doz. ....	1 10
3458—S.P. 21—Rubbers per set of 4 .	.60



No. 3460

### Stevens J. G. Pedal Coupling

The Stevens J. G. Pedal Coupling is strongly made for hard service—it will outlast the Bicycle. Turned from bar steel, hardened and neatly nickeled.

No. 3460—each, right ..... \$0 44  
 each, left ..... 44

### Pedal Wrench

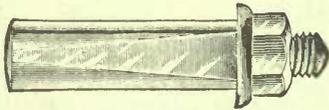
Special size for Bicycle Pedals,  $\frac{5}{8}$  inch.

No. 3463—Price, each ..... \$0.30  
 Price, per dozen ..... 3.40



No. 3463

### Crank Cotter Pin



No. 3465

Best material, nickeled. Size  $\frac{3}{8}$ -in. only. Complete with nut.

No. 3465—Price, each ..... \$0 20  
 Price, per dozen ..... 2.00

### English Bracket Pin



No. 3466

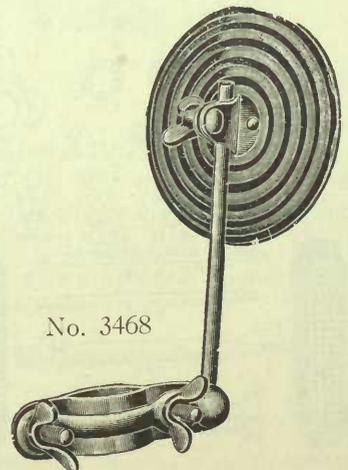
Pin for holding bracket up in English type frames.

No. 3466—Price, each ..... \$0.14  
 Price, per dozen .... 1.50

### Mirrorscope

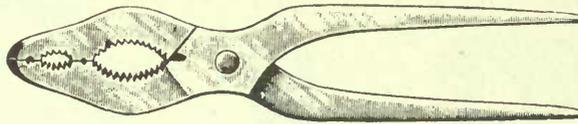
This Mirrorscope is made with a round semi-oval shape mirror of the best quality showing clearly and distinctly every object within its range. Suitable for any motorcycle or bicycle and is adjustable and heavily nickelled and highly polished.

No. 3468—Price, each ..... \$1 90



No. 3468

**Cone Pliers**

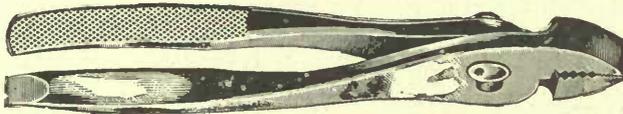


No. 3469

Drop-forged, steel, long jaws, strong. Length, 7½ inches.

No. 3469—Price, each ..... \$1.44

**Combination Pliers**



No. 3471

Drop-forged, hardened steel. Length 6½ inches.

No. 3470—Price, nickel plated, each ..... \$1.08

Price, per dozen ..... 11.50

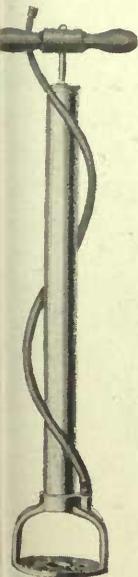
No. 3471—Price, black, per dozen ..... 7.20

**Bridgeport  
No. 8  
Foot Pump**

A well made single action pump, for store or shop use. Extra heavy seamless brass cylinder, nickel plated, 20 in. long and 1½ in. in diameter. Has six screw holes so that pump can be fastened to the floor if desired. A heavy coil spring on plunger prevents any violent upward strokes.

No. 3473—Price, each \$4.00

No. 3474—Price, Connection for above, each .50

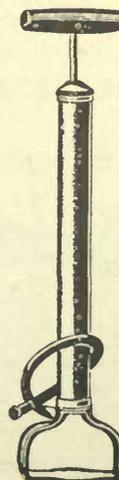


No. 3473

**Foot Pump**

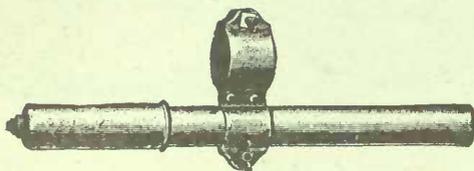
Seamless barrel, nickel-ed, size 12x1¼ inches.

No. 3475—Price, per dozen ..... \$14.40



No. 3475

## Frame Pump



No. 3476

Special frame pump, nickel plated, with frame clip. Size 10x7/8 inches.

No. 3476—Price, with clip, per dozen .....	\$14.40
No. 3477—Price, without clip, per dozen .....	13.00
No. 3478—Price, Frame clip only, per dozen .....	2.00
No. 3472—Price, with clip 12x7/8 inches, per dozen .....	16.80
No. 3872A—Price, less clip, 12x7/8 inches, perdozen .....	15.60

## Hand Pump



No. 3479

Standard tool bag size, 6 inches long, nickel plated.

No. 3479—Price, complete, per dozen.. \$2.40

## Swivel Screw-on Connection



No. 3481

Standard size, brass, fibre washers.

No. 3481—Price, each .....

Price, per dozen .....

## Acorn Pump Connection



No. 3480

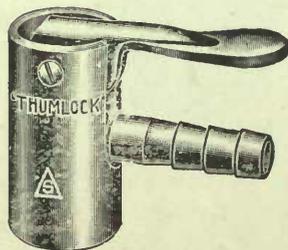
Fits any pump tubing.

No. 3480—Price, per dozen .....

No. 3482—Price, Rubbers for above

Per dozen .....

## Thumlock Pump Connection

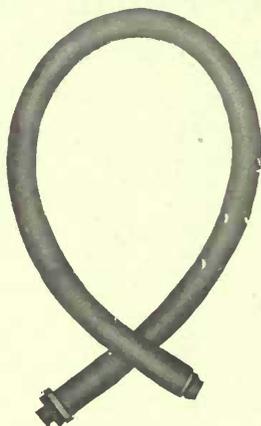


No. 3483

Easily attached to air hose of any ti pump, whether hand, foot or engine-drive

No. 3483—Price, per dozen..... \$9.

## Foot Pump Connection



No. 3484

It is carefully manufactured, and supplied with nipples in 12-inch lengths for foot pumps. Used on pump No. 3475.

No. 3484—Price, per dozen ..... \$3.50

## Pump Washers



Nos. 3486-92

Best quality leather, for use on hand, foot and floor pumps.

No.	Price
3486— $\frac{5}{8}$ inch, per 100 .....	\$1.40
3487— $\frac{3}{4}$ inch, per 100 .....	1.40
3488— $\frac{7}{8}$ inch, per 100 .....	1.40
3489—1 inch, per 100 .....	1.60
3490— $1\frac{1}{4}$ inch, per 100 .....	2.00
3491— $1\frac{1}{2}$ inch, per 100 .....	3.00
3492— $1\frac{3}{4}$ inch, per 100 .....	4.50

## Pump Hose Bands

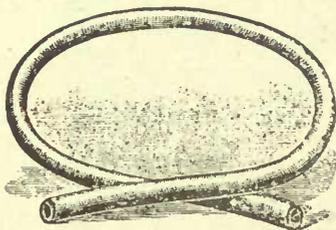


No. 3485

Brass, diameter  $\frac{1}{2}$  inch.

No. 3485—Price, each ..... \$0.08  
 Price, per dozen ..... .90

## Red Pump Tubing



No. 3493

3493— $\frac{1}{8}$ inch, 2 ply, per ft. ....	\$0.12
3494— $\frac{3}{16}$ inch, 3 ply, per ft. ....	.18
3495— $\frac{1}{4}$ inch, 3 ply, per ft. ....	.23

## Pump Connection



No. 3496

No. 3496—Price, Pump connection with thread to fit English pump and Schrader valves, per dozen .....	\$4.00
No. 3497—Price, Pump connection with thread to fit American pump and Schrader valves. Fits Nos. 3476-77 .....	3.00
No. 3498—Price, Pump connection for standard hand pump. Fit our No. 3479, per dozen .....	1.80
No. 3499—Price, Pump connection with thread to fit English pump and English valves, per dozen .....	4.00



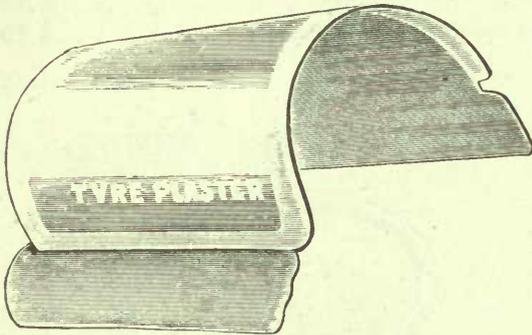
No. 3503

## Dunlop Repair Outfit

Dunlop Special Repair Outfit consists of one roll patching rubber, one roll of fabric, four round patches ready to use, one tube of cement, one box of soap stone, and one piece of sand paper.

No. 3503—Price, Per Dozen . . . . . \$3.50

## Tire Plaster



No. 3505

The only reliable method of repairing blow-outs in bicycle covers.

No. 3505—Price, per dozen . . . . . \$2.20

## Round Rubber Patches



No. 3506

Round patches, assorted sizes. 100 in box.

No. 3506—Price, per box . . . . . \$0.50

## Outside Repair Bands

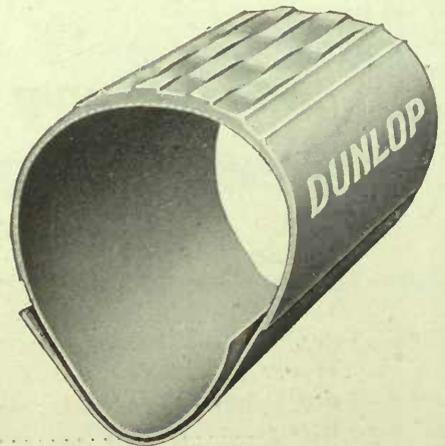
For repairing cuts, blowouts, etc., in outer tires with two flaps. Sizes 2 and 4 inches.

No. 3507—Price, 2-inch . . . . . \$0.12

Price, per dozen . . . . . 1.40

No. 3508—Price, 4-inch . . . . . .18

Price, per dozen . . . . . 2.00



No. 3507

## Locktite Patching Material



No. 3509

A simple and easy preparation for making quick and permanent repairs on any size tires and tubes. Supplied in two sizes consisting of material container, tube cleaner, Locktite patching material and cement.

- No. 3509—Price, Bicycle and Motorcycle size, per dozen ..... \$8.00
- No. 3510—Price, Bicycle or Household size for repairing tires, tubes or anything made of rubber or leather, per dozen ..... 4.00

## Goodyear Bicycle Repair Kit

Makes quick "first aid" repairs to bicycle tires easy.

It consists of a roll of patching rubber made from Pure Para Rubber; one sheet of strong fabric for repairing casings; a tube of C-35 cement; and a Buffer for "roughing" the bicycle tube.

Conveniently packed in a container as illustrated and ready for instant use.

- No. 3511—Price, per dozen ..... \$3.60



No. 3511

## No Cement Patching Material

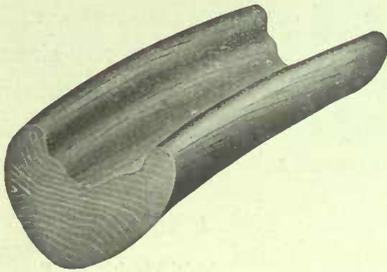


No. 3514-5

Special tins of patching material, each tin containing approximately 53 inches x 1½ inches of material. Made up in two styles, fabric back and pure gum rubber.

- No. 3514—Price, pure gum, per dozen \$6.00
- No. 3515—Price, fabric back, per dozen 6.00

## Wood Rims



No. 3520

These Bicycle Rims are made from the best quality hard maple, air-dried and seasoned under special process, which prepares the material in the most efficient manner for the uses to which it is put. The finish is baked on, giving the rims a hard, durable finish.

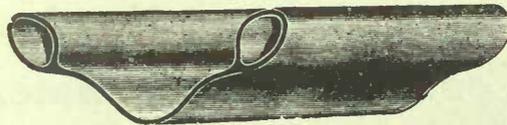
All rims supplied in natural wood finish are drilled 32-36 holes unless otherwise specified.

No.	Price
3520—Wood Rim, 28 in. Dunlop type, natural finish, per pair .....	\$5.00
3521—Wood Rim, 26 in. Dunlop type, natural finish, per pair .....	5.00
3522—Wood Rim, 24 in. Dunlop type, natural finish, per pair .....	5.50
3523—Wood Rim, 20 in., Dunlop type, natural finish, per pair .....	5.50
3524—Wood Rim, 28 in. Cement on type, natural finish, per pair .....	5.00
3525—Wood Rim, 26 in., Cement on type, per pair .....	5.00
3526—Wood Rim, 24-in., Cement on type, natural finish, per pair .....	5.50
3527—Wood Rim, 20-in., Cement on type, natural finish, per pair .....	5.50

## Wood Rims with Washers

3528—Wood Rim, 28-in., Dunlop type, natural finish with washers, per pair .....	5.20
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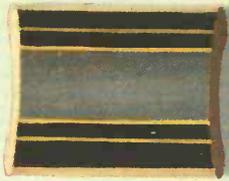
## Steel Rims



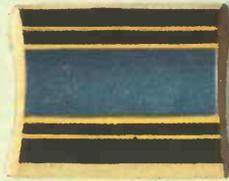
No. 3530

Steel rims are made in two qualities, American grade and English welded all steel rim, drilled 32 and 36 holes.

No. 3530—Price, American type, 36 hole only, enamelled black with gold striping, per pair .....	\$4.00
No. 3531—Price, English type, 32-36 hole, enamelled black, per pair .....	5.20
No. 3532—Price, English type, 32-36 hole, enamelled black with gold striping, per pair .....	5.50
No. 3532A—Price, English type, 32-36 hole, plated, per pair .....	5.80



H1



H 6



H10



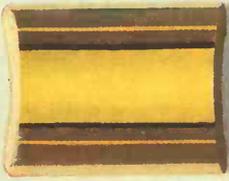
H2



H11



H3



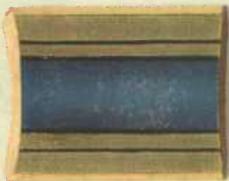
H7



H12



H4



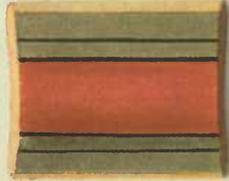
H8



H13



H5



H9



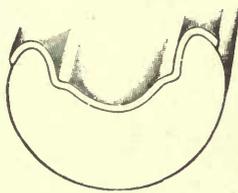
H14



## Rims Colored

No.		Price
3533—H1	Wood, Dunlop type, 28 in. only, drilled 36 holes, per pair .....	\$5.40
3534—H2	Wood, Dunlop type, 28 in. only, drilled 32-36 holes, per pair .....	5.40
3535—H3	Wood, Dunlop type, 26-28 in. only, drilled 36 holes, per pair .....	5.40
3535A—H3	Wood, Dunlop type, 24 in. only, drilled 36 holes, per pair .....	5.90
3536—H4	Wood, Dunlop type, 28 in. only, drilled 36 holes, per pair .....	5.40
3537—H5	Wood, Dunlop type, 26-28 in. only, drilled 36 holes, per pair .....	5.40
3537A—H5	Wood, Dunlop type, 24 in. only, drilled 36 holes, per pair .....	5.90
3538—H6	Wood, Dunlop type, 28 in. only, drilled 36 holes, per pair .....	5.40
3539—H7	Wood, Dunlop type, 28 in. only, drilled 36 holes, per pair .....	5.40
3540—H8	Wood, Dunlop type, 28 in. only, drilled 36 holes, per pair .....	5.40
3541—H9	Wood, Dunlop type, 28 in. only, drilled 36 holes, per pair .....	5.40
3542—H10	Wood, Dunlop type, 28 in. only, drilled 36 holes, per pair .....	5.40
3543—H11	Wood, Dunlop type, 28 in. only, drilled 36 holes, per pair .....	5.40
3544—H12	Wood, Dunlop type, 28 in. only, drilled 36 holes, per pair .....	5.40
3545—H13	Wood, Dunlop type, 28 in. only, drilled 32-36 holes, per pair .....	5.40
3546—H14	Wood, Dunlop type, 28 in. only, drilled 32-36 holes, per pair .....	5.40

## Rims Steel Lined Wood



Steel lined wood rims are made up from the best grade maple, and in addition have a light steel liner running round the inner surface. Guaranteed not to break, made up in standard colors.

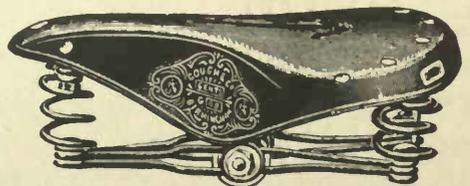
No.		Price
3547—H4	Steel lined wood rims, Dunlop type, 28 in. only, drilled 36 holes, per pair ..	\$6.90
3548—H6	Steel lined wood rims, Dunlop type, 28 in. only, drilled 36 holes, per pair ..	6.90
3549—H7	Steel lined wood rims, Dunlop type, 28 in. only, drilled 36 holes, per pair ..	6.90
3550—H8	Steel lined wood rims, Dunlop type, 28 in. only, drilled 36 holes, per pair ..	6.90
3550A—H9	Steel lined wood rims, Dunlop type, 28 in. only, drilled 36 holes, per pair ..	6.90
3550B—H11	Steel lined wood rims, Dunlop type, 28 in. only, drilled 36 holes, per pair	6.90
3550C—H12	Steel lined wood rims, Dunlop type, 28 in. only, drilled 36 holes, per pair	6.90

## Gents' 3-Coil Saddle

Gents' 3-coil 10½ in. long, 8½ in. wide, double stay, black enamelled springs.

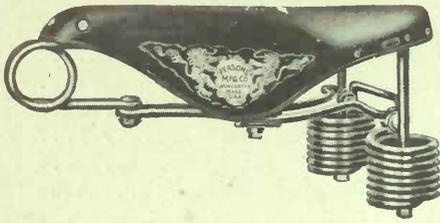
No. 3551—Price, black enamelled .... \$4.00

No. 3552—Price, Ladies' Saddle same as 3551, enamelled springs ..... 4.40



No. 3551

## Bon Ton Saddle



No. 3553

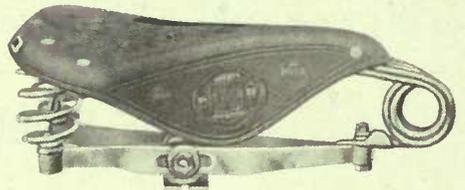
Special suspension type, best grade leather, 2 rear coils and scroll front,  $9\frac{3}{4} \times 7\frac{1}{2}$  in. enamelled springs.

No. 3553—Price, each ..... \$5.00

## Lycett's Roadster Saddle

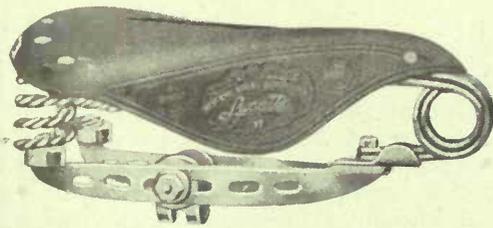
Full roadster type, two rear springs, double scroll front, steel lower girder. Size  $10 \times 8\frac{1}{2}$  inches, nickel plated.

No. 3554—Price, each ..... \$5.00



No. 3554

## Lycett's La-Grande Saddle



No. 3555

Special roadster type, steel girder base, double coil nose springs: extra heavy three ply twisted wire rear springs, nickel plated. Leather top extra heavy and blocked to shape. Size  $10\frac{1}{2} \times 8\frac{1}{2}$  inches.

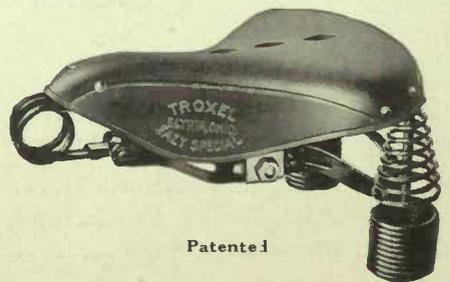
No. 3555—Price, each ..... \$7.00

## Troxel Eazy Saddle

Single front coil, girder truss double compound rear springs.

Length  $10\frac{1}{2}$  inches, width  $8\frac{1}{2}$  inches, weight 4 pounds 6 ounces.

No. 3556—Price, each ..... \$6.50



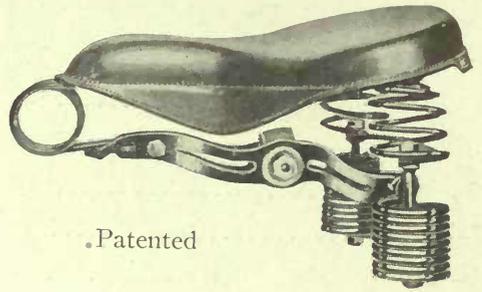
Patented

No. 3556

### Motobike Saddle

Double front coil, 3-point connection, Girder trusses, compound springs. Embossed leather padded top.

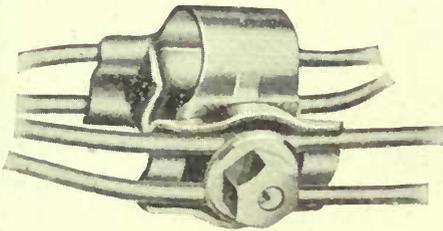
No. 3557—Price, each ..... \$6.00



Patented

No. 3557

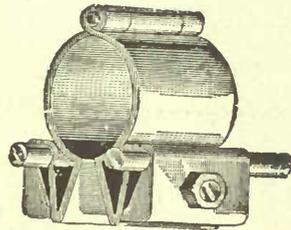
### Saddle Clamp



No. 3566

No. 3566—Price, each ..... \$0 70

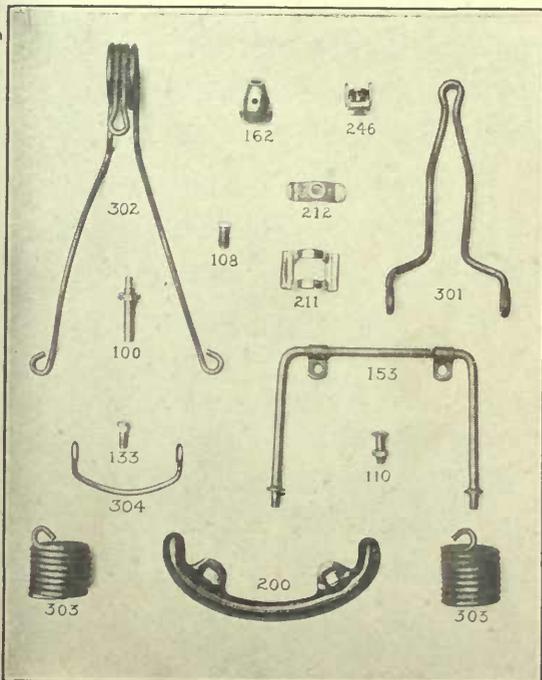
### Chalfant Saddle Clamp



No. 3567

No. 3567—Price, each ..... \$1 00

A Clamp for attaching to top bar of frame for purpose of lowering saddle by bringing it closer to the frame than the seat post would allow. No seat post is necessary when this clamp is used.



No. 3562

### Bon-Ton Saddle Parts

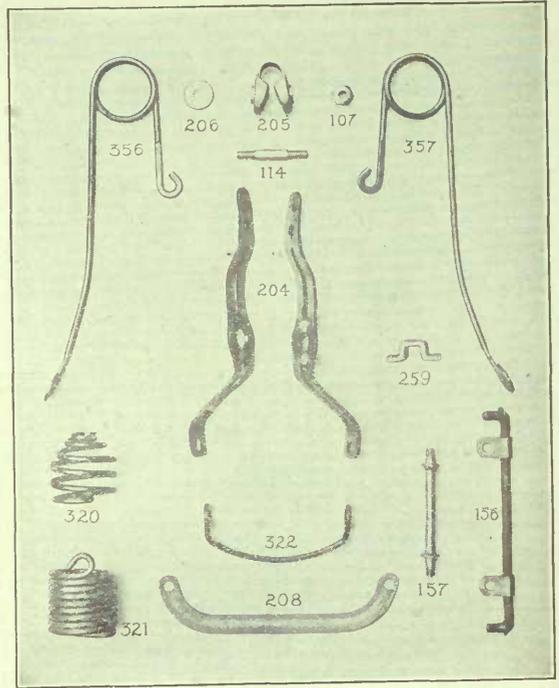
No.	Price each
100—Tension Screw and Nut	\$0.40
108—Clamp Screw	.20
110—Bolt and Nut	.20
133—Bolt and Nut	.20
153—Bridge	.40
162—Pommel	.20
200—Cantle	.60
211—Clamp Jacket	.20
212—Clamp Yoke	.20
246—Tension Clip	.30
301—Base Spring	.35
302—Front and Tension Spring	.35
303—Rear Spring	.60
304—Brace	.20

On New Type Bon Ton Saddles Nos. 246 and 302 are discontinued and Nos. 308 and 312 are substituted; see Saxon Saddle Parts for illustration and prices.

When ordering Specify Type of Saddle and Number of Part required.

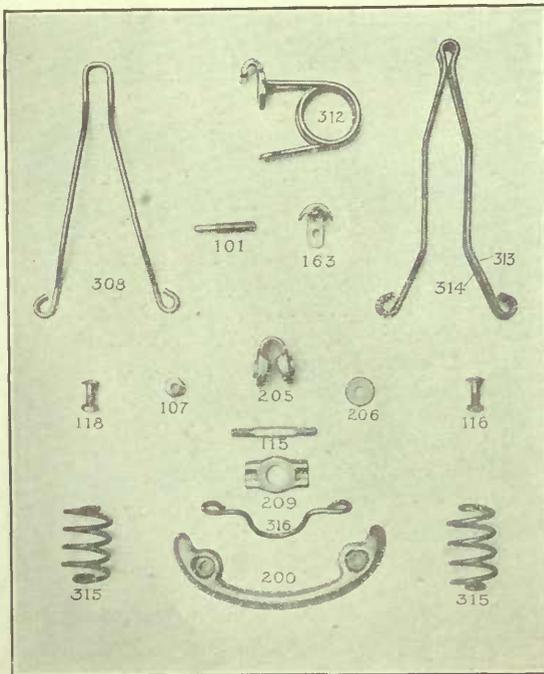
**Moto-Bike Saddle  
Parts**

No.	Price
107—Clamp Nut .....	\$0.10
114—Clamp Bolt .....	.22
156—Bridge .....	.35
157—Post .....	.20
204—Truss (right or left) .....	.40
205—Clamp Centre Piece .....	.50
206—Clamp Washer .....	.10
208—Crescent Yoke .....	.20
259—Spring Stop .....	.10
320—Compression Spring .....	.30
321—Extension Spring .....	.60
322—Brace .....	.20
356—Left Front Spring .....	.40
357—Right Front Spring .....	.40



No. 3563

**Saxon Saddle Parts**



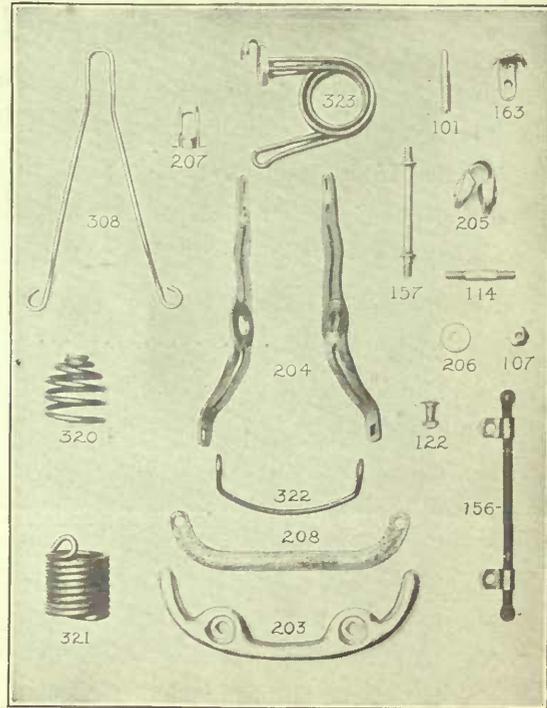
No. 3564

No.	Price
101—Tension Screw .....	\$0.20
107—Clamp Nut .....	.10
115—Clamp Bolt .....	.22
116—Bolt and Nut .....	.20
118—Bolt and Nut .....	.20
163—Pommel .....	.20
200—Cantle .....	.60
205—Clamp Centre Piece .....	.50
206—Clamp Washer .....	.10
209—Clamp and Side Plate .....	.20
308—Tension Springs .....	.30
312—Front Springs .....	.50
313—Upper Truss .....	.30
314—Lower Truss .....	.30
315—Rear Spring .....	.30
316—Brace .....	.20

When Ordering Specify Type of Saddle and Number of Part Required

**Zenith Saddle Parts**

No.	Price
101—Tension Screw .....	\$0 20
107—Clamp Nut .....	.10
114—Clamp Bolt .....	.22
122—Bolt and Nut .....	.20
156—Bridge .....	.30
157—Post .....	.20
163—Pommel .....	.20
203—Cantle .....	.60
204—Truss (right and left) .....	.40
205—Clamp Centre Piece .....	.50
206—Clamp Washer .....	.10
207—Spring Stop .....	.10
208—Crescent Yoke .....	.20
308—Tension Spring .....	.30
320—Compression Spring .....	.30
321—Extension Spring .....	.60
322—Brace .....	.20
323—Front Spring .....	.50



No. 3565

When ordering Specify Type of Saddle and Number of Part required.

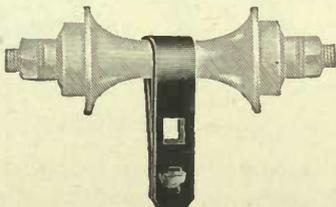
**Soap Stone**

Manufactured from best selected pure French mineral. In tins with sifter top.

No. 3570—Price, ¼ lb. Tin .....	\$0.14
Price, per dozen .....	1.60
No. 3571—Price, 1 lb. Tin .....	.30
Price, per dozen .....	3.50



No. 3570



No. 3574

**Hub Shiners**

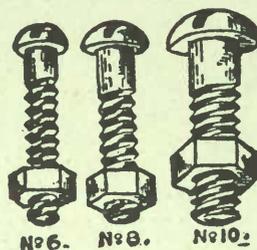
Made of leather.

No. 3574—Price, per card .....	\$0.80
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## Screws and Nuts

Special gross box of assorted screws with hexagon nuts; sizes include Nos. 6, 8 and 10, lengths from  $\frac{3}{8}$ -in. to  $1\frac{1}{2}$ -in.; 32 thread, nickel plated, suitable for pedals, mudguards, toe clips, bells, etc.

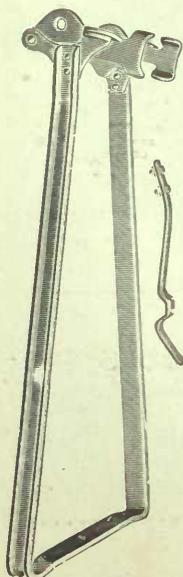
No. 3572—Price, complete, one gross screws and nuts ..... \$2.50



No. 3572

The following screws are boxed one gross in a box and nickel plated. Nuts are boxed one gross in box, but not plated.

No. 6	Screws only, $\frac{3}{8}$ inch, $\frac{1}{2}$ inch, and $\frac{5}{8}$ inch long, 32 thread, per gross	.... \$0.64
No. 6	Screws only, $\frac{3}{4}$ inch, and 1 inch long, 32 thread, per gross	..... .80
No. 8	Screws only, $\frac{3}{8}$ inch, and $\frac{1}{2}$ inch long, 32 thread, per gross	..... .70
No. 8	Screws only, $\frac{5}{8}$ inch, and $\frac{3}{4}$ inch long, 32 thread, per gross	..... .80
No. 8	Screws only, 1 inch, and $1\frac{1}{4}$ inch long, 32 thread, per gross	..... .96
No. 10	Screws only, $\frac{3}{8}$ inch and $\frac{1}{2}$ inch long, 32 thread, per gross	..... .96
No. 10	Screws only, $\frac{5}{8}$ inch and $\frac{3}{4}$ inch long, 32 thread, per gross	..... 1.10
No. 10	Screws only, 1 inch and $1\frac{1}{4}$ inch long, 32 thread, per gross	..... 1.30
No. 10	Screws only, $1\frac{1}{2}$ inches long, 32 thread, per gross	..... 1.60
No. 6	Nuts 32 thread for above, per gross	..... 1.80
No. 8	Nuts 32 thread for above, per gross	..... 1.80
No. 10	Nuts 32 threads for above, per gross	..... 1.80



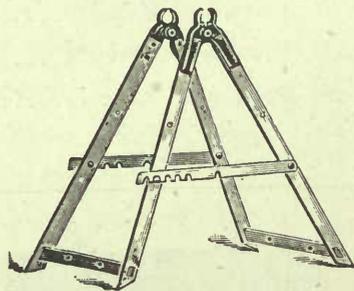
### Cycle Stand

Motor Cycle type, made of channel iron, folds against rear guard. Locking device also provided.

No. 3575—Price, complete, less lock ..... \$0.90

No. 3575

### Meyer's Floor Stand



No. 3576

High grade floor stand for store use, etc. Adjustable, Aluminium bronze finish.

No. 3576—Price, each ..... \$ 3 00

MANKEY BICYCLE RACKS



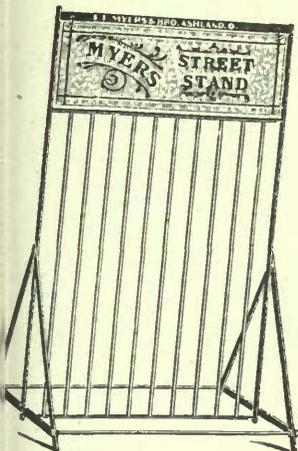
For display and storage, hanging them the long way. 1-inch piping is used. Height over all 6 ft. 9 in., which gives 4 in. clearance from floor. Bicycle lifts straight up and down.  
 No. 3578—Price for 6. ft. wide section, holding 6 bicycles. \$45.00.

Additional sections in same row \$37.00  
 No. 3579—Ceiling Rack, 6 ft., with 10-in. drop, holding 6 bicycles, ca., \$29.00  
 No. 3579A—Hangers only. \$15.60 per doz.

**Meyer's Street Stand**

Hold eight bicycles.  
 Plain sign ready for lettering.

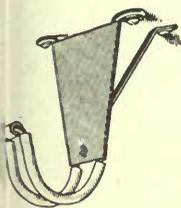
No. 3577—Price, each ..... 12.00



No. 3577

**Bicycle Wall Holder**

Plain Holder, leather covered.  
 No. 3278—Price, per dozen ..... \$6.00



No. 3278

**Spokes and Nipples**



No. 3580

Made of very best grade material. Threaded, heavily nicked. Swaged and unswaged.

- No. 3580—Boxed 100 and 150 in a box, any size, per hundred ..... \$2.60
- No. 3589—Spokes only, boxed, per hundred ..... 1.40
- No. 3590—Nipples only in envelope, per hundred ..... 1.20

Sizes of Spokes carried in stock.

8 in., 9 $\frac{3}{4}$  in., 9 $\frac{7}{8}$  in., 10 in., 10 $\frac{5}{8}$  in., 10 $\frac{3}{4}$  in., 10 $\frac{7}{8}$  in., 11 $\frac{1}{2}$  in., 11 $\frac{5}{8}$  in., 11 $\frac{3}{4}$  in., 11 $\frac{7}{8}$  in., and 12 in.

**Crank Repair Taps**

For tapping cranks in standard sizes.



No. 3593

No 3593—Price, 1/2x20 thread,  
per pair ..... \$3.00

No. 3594—Price, 9/16 thread,  
per pair ..... 3.20

Set contains: One pair taps 5/8x24; six 1/2x20-in. R.H. Bushings; six 1/2x20-in. L.H. Bushings.

**Crank Tap and Reamer Set**

Very satisfactory outfit for re-tapping crank.



No.	Price
3595—Set complete .....	6.00
3596—Extra R.H. Bushing .....	.20
3597—Extra L. H. Bushing .....	.20

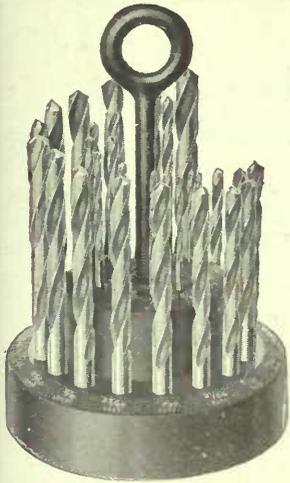
No. 3595

**Straight Shank Twist Drills Carbon Steel**



Diam. Inches	Length Inches	Decimal	Price per doz.	Price each	Diam. Inches	Length Inches	Decimal	Price per doz.	Price each
1/16	2 1/2	.0625	\$1.74	\$0.20	19/64	4 3/8	.296	\$4.26	\$0.48
5/64	2 5/8	.078	1.80	.20	5/16	4 1/2	.3125	4.66	.53
3/32	2 3/4	.093	1.80	.20	21/64	4 5/8	.328	5.00	.56
7/64	2 7/8	.109	1.86	.21	11/32	4 3/4	.343	5.40	.60
1/8	3	.125	1.94	.21	23/32	4 7/8	.359	5.86	.66
9/64	3 1/8	.140	2.00	.23	3/8	5	.375	6.40	.72
5/32	3 3/8	.155	2.00	.23	25/64	5 1/8	.390	6.94	.78
11/64	3 5/8	.171	2.14	.24	13/32	5 1/4	.406	7.46	.84
3/16	3 1/2	.1875	2.40	.27	27/64	5 3/8	.421	8.26	.93
13/64	3 5/8	.203	2.66	.30	7/16	5 1/2	.4375	9.06	1.02
7/32	3 3/4	.218	2.94	.33	29/64	5 5/8	.453	9.86	1.11
15/64	3 7/8	.234	3.20	.36	15/32	5 3/4	.468	10.66	1.20
1/4	4	.25	3.56	.39	31/64	5 7/8	.418	11.74	1.32
17/64	4 1/8	.265	3.74	.42	1/2	6	.50	12.80	1.44
9/32	4 1/4	.281	4.06	.45					

## Metal Drill Stand



These blocks are practically indestructible and have many special features in the saving of time. Each hole is stamped with size of drill, also the decimal equivalent and tap drill sizes.

- No. 18 Stand, With Set of Jobbers' Drills, 1/16 to 1/2 by 64ths. . . . . \$19.80
- No. 19 Stand, With Set of Wire Gauge size Drills, No. 1 to No. 60 . . . . . 17.40
- No. 20 Metal Drill Stand only . . . . . 3.38

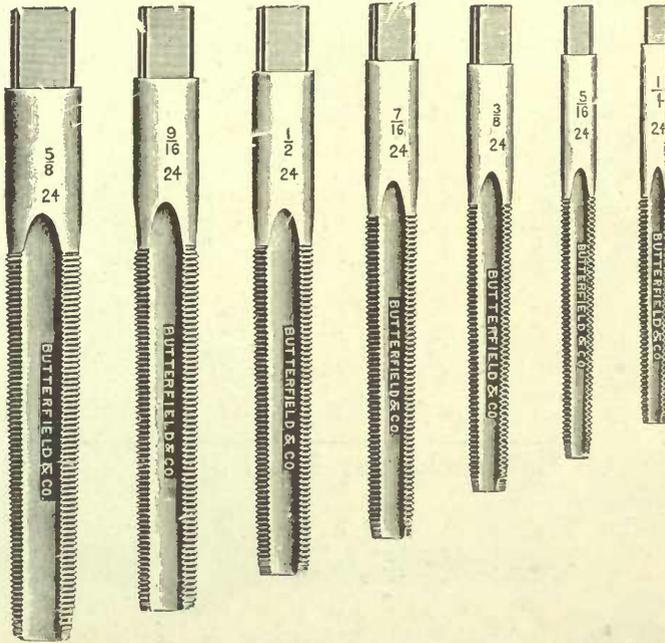
## Adjustable Tap and Reamer Wrenches



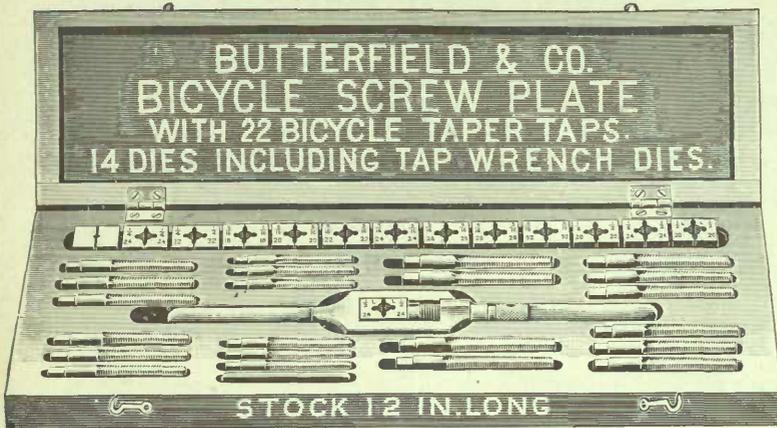
These adjustable tap and reamer wrenches are very good value. The jaws are made of best tool steel and fully warranted.

- No. 9—Price, Length 10 in. holds taps 3/16 to 1/2 in. each, . . . . . \$5.60
- No. 10—Price, Length 16 in. holds taps 1/4 to 3/4 in. each, . . . . . 6.74
- No. 11—Price, Length 20 in. holds taps 3/8 to 1 in. each, . . . . . 9.00

## Special Taper Taps for Bicycles



Diameter.	Number of Threads to Inch	Price, each
1/4	18, 20, 22, 24, 26, 28, 30 . . . . .	\$1.00
5/16	18, 20, 22, 24, 26, 28, 30, 32 . . . . .	1.10
3/8	16, 18, 20, 22, 24, 26, 28, 30, 32. . . . .	1.20
7/16	24 . . . . .	1.30
1/2	20, 24 . . . . .	1.50
9/16	20, 24 . . . . .	1.70
5/8	24 . . . . .	1.90

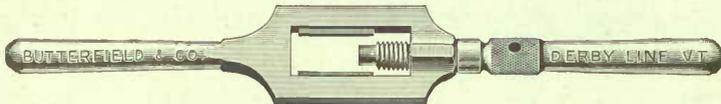


**Taps and Dies**

14 pairs Machinist Style Dies cutting 1/4x24, 1/4x30, 1/4x32, 5/16, 5/16x18, 5/16x22, 5/16x24, 5/16x26, 5/16x28, 5/16x32, 1/2x20, Right Hand, 1/2x20, Left Hand, and one pair Tap Wrench Dies: Stock No. 50, 12 in. long; 23 Bicycle Taper Taps, cutting 1/4x20, 1/4x22, 1/4x24, 1/4x26, 1/4x28, 1/4x30, 1/4x32, 5/16x18, 5/16x20, 5/16x22, 5/16x24, 5/16x28, 5/16x32, 3/8x16, 3/8x18, 3/8x20, 3/8x22, 3/8x24, 3/8x26, 3/8x28, 3/8x30, Right Hand, 1/2x20, Left Hand.

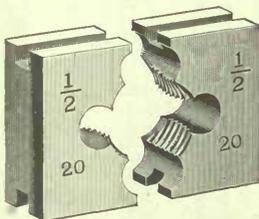
No. 99—Price, Set complete, each, ..... \$44.00

**Stock for Square Dies**



No. 50—Price, Stock complete, each, ..... \$4.00

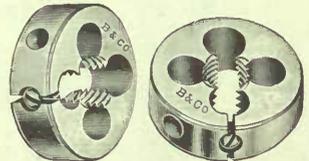
**Square Dies**



Square dies made in two pieces, will cut 1/16 over or under size. State size and number of threads required.

Price, each, ..... \$1.80

**Fork Stem Dies**

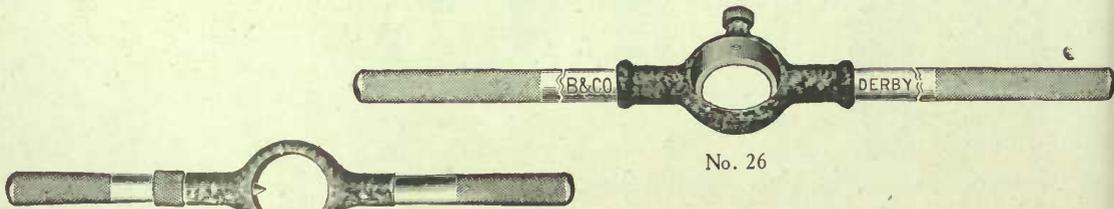


Sizes 1 inch-24-26-28 and 30 thread.

State size of thread required.

Price, each, ..... \$6.50

**Stocks for Dies.**



No. 14

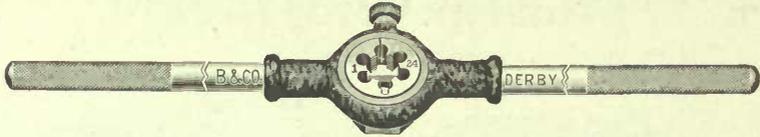
No. 26

Stocks complete, 14 inches long to hold dies 1-5/16 in diameter and collets 1-5/8 inches in diameter. 26 inch holds 2 inch and 2 1/4 inch dies, and 2 3/4 inch collets.

No. 14—Price, 14 inch, stock only, each ..... \$3.50

No. 26—Price, 26 inch, stock only, each ..... 4.50

## Derby Fork Stem Set



No. 33100

Die and guide, 2 3/4 inches diameter, cutting 1, 24; with 26 inch stock, complete. Above can also be furnished with dies cutting 1 inch 26, 28 and 30 threads to the inch, at same prices.

No. 33100—Price, complete .....	\$11.50
Price, Dies only for same, each .....	6 50



This Cut is Reduced.  
No. 3598

## Repair Tags

For the repair shop.

Tags are numbered consecutively; detachable coupon for customer.

No. 3598—Price, per 1,000 .....	\$7.50
---------------------------------	--------

## Dunlop Reliance Electric Tape



No. 3599

No.	Price
3599—1 oz. roll (16 in 1 lb. carton) per lb. ....	\$1.20
3600—2 oz. roll (8 in 1 lb. carton) per lb. ....	1.14
3601—1/4-lb. roll, per lb. ....	1.10
3602—1/2-lb. roll, per lb. ....	1.02

## Dutch Brand Tire Tape



No. 3584-7

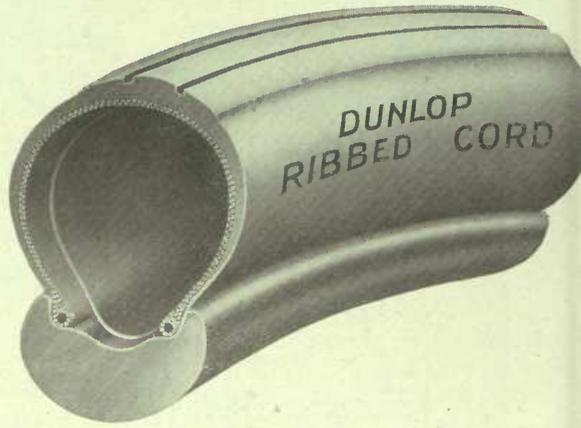
No. 3584—Price, 1 oz. roll (16 in 1 lb. carton) per lb. ....	\$1.10
No. 3585—Price, 2 oz. roll (8 in 1 lb. carton) per lb. ....	1.10
No. 3586—Price, 1/4 lb. rolls, per lb. ...	1.06
No. 3587—Price, 1/2 lb rolls, per lb ...	1.00

## Dunlop Cord Tires

(Wire Edge Type)



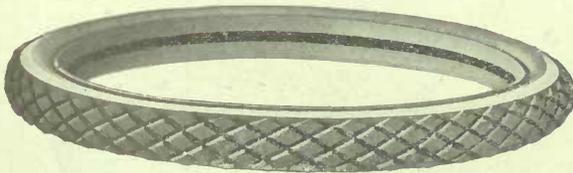
No. 3605



No. 3607

	Complete pair tires	Covers each	Tubes each
No. 3605—Price, Dunlop Traction Cord, 28x1½ inches only. ....	\$14 00	\$5.00	\$2 00
No. 3606—Price, Dunlop Traction Cord, 28x1⅝ inches only.....	14 00	5.00	2 00
No. 3607—Price, Dunlop Ribbed Cord, 28x1½ inches only .....	14 00	5.00	2 00

## Goodyear Motor Cycle Tires



Casing



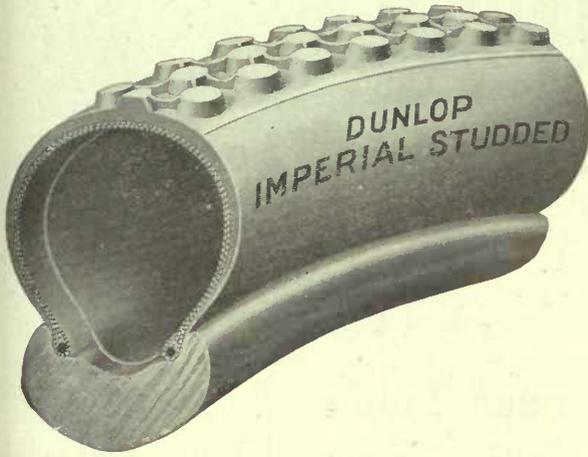
Tube

	Casing.	Tube.
No. 3630—Price, 26 x 2¼-2½ All Weather Tread for D2 Rim, each ....	\$15.92	\$3 00
No. 3631—Price, 26 x 2½ All Weather Tread for B B Rim, each .....	14.80	3 00
No. 3632—Price, 28 x 2½ All Weather Tread for B B Rim, each .....	16.80	3 00
No. 3633—Price, 26 x 3 All Weather Tread for C C Rim each .....	21.00	3 08
No. 3634—Price, 28 x 3 All Weather Tread for C C Rim, each .....	22 80	3 22
No. 3635—Price, 27 x 3½ All Weather Tread for C C Rim, each .....	34 72	3 60
No. 3636—Price, 29 x 3½ All Weather Tread for C C Rim, each .....	28.08	3 75

27 x 3½ Casings made in Akron, balance of Tires made in Canada.

## Dunlop Covers and Tubes

(Wire Edge Type)



No. 3608-11



No. 3612

	Complete Pair Tires	Covers each	Tubes each
No. 3608—Price, New Imperial, Round Button, 28x1½	\$10.60	\$3.60	\$1.70
No. 3609—Price, New Imperial, Round Button, 26x1½	10.60	3.60	1.70
No. 3610—Price, New Imperial, Round Button, 24x1½	10.00	3.40	1.60
No. 3611—Price, New Imperial, Round Button, 20x1½	10.60	3.60	1.70
Guaranteed for one season			
No. 3612—Price, Dunlop Clipper, Oval Button, (Canadian size) 28x1½, only	8.60	2.80	1.50
No. 3613—Price, Dunlop Clipper, (English size) 28x1½, only	8.60	2.80	1.50

Guaranteed for 3 months.

## Goodyear White Diamond Tires



No. 3628

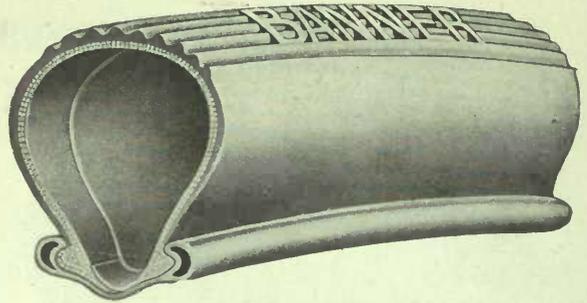


No. 3629

	Complete Pair Tires	Covers each	Tubes each
No. 3628—Price, Goodyear White Diamond Tire, 28-in.	\$10.60	\$3.60	\$1.70
No. 3629—Price, Continuous Tube, one grade only 28-in., each			\$1.70

# Dunlop Banner Clipper Tires

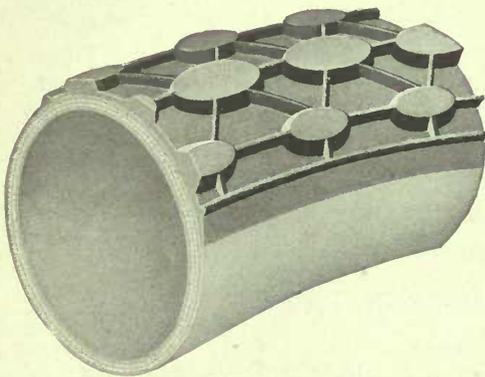
(Clincher Type)



No. 3614

No. 3614—Price, Dunlop Banner Clipper, 28 in. x 1½ in. only . . .	Complete	Covers	Tubes
	pair tires	each	each
	\$12.20	\$4.60	\$1 50

# Kokomo Pioneer Tubes

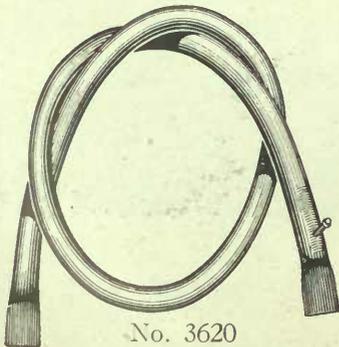


No. 3615

The Red Tread, grey sidewall, and heavy stout non-skid cover in the Kokomo design has made it a great favorite with riders and established it as a tire for safety and endurance. Two plies of fabric in foundation. A tire that always repays its original outlay.

No. 3615—Price, Kokomo Pioneer, 28 x 1½, pair . . . . .	\$9 50
No. 3616—Price, Kokomo Pioneer, 26 x 1½, pair . . . . .	9.50
No. 3617—Price, Dunlop Record, 24x 1½, pair . . . . .	8.00
No. 3618—Price, Kokomo Pioneer, 20 x 1½, pair . . . . .	9.00

# Butt-End Tube

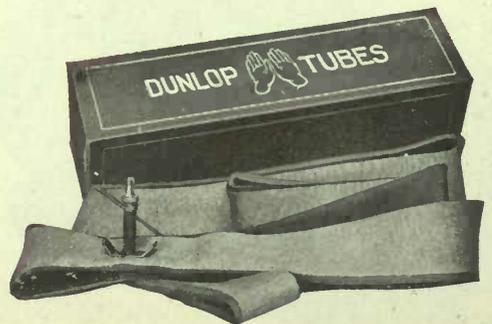


No. 3620

Made from material same as supplied in Imperial continuous tube, for use in single tube tires after same becomes porous. One size and grade only carried in stock.

No. 3620—Price, Imperial 28 in. . . . \$1.70

# Dunlop Tubes



No. 3621

No.	CONTINUOUS TUBE	Price
3621—Dunlop Special, 28 in. . . . .		\$2 00
3623—Dunlop Imperial, 28 in. . . . .		1 70
3624—Dunlop Clipper, 28 in. . . . .		1.50

**Schrader Tire Air Gauge**

A most useful article for ascertaining the amount of air in a tire. The Schrader gauge has no equal for accuracy, convenience and general appearance. Registers with absolute accuracy. Size 2 inch long, 1/2 inch diameter.

No. 3642—Price, each \$2.16



No. 3642

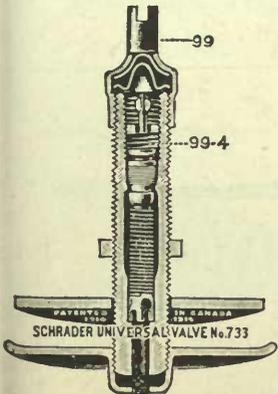
**4-in-1 Valve Tool**



No. 3643

Best tool steel. Combination tap, die, valve-inside remover, and reamer.

No. 3643—Price, each ..... \$0.52

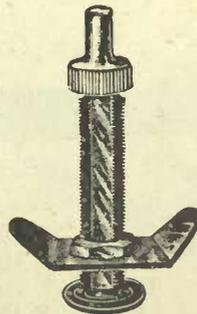


No. 3644

No. 3644—Price, per hundred ..... \$50 00

**Schrader Oval Base**

**Absolutely Air Tight**



No. 3647

**Dunlop Metal Base**

Regular Equipment on all Dunlop Tires.

No. 3647—Price,  
per dozen ..... \$4 56  
Price, per hundred . 36 00

**Schrader Valve Parts**



No. 3645

Should always be in your kit, being very delicate, they are liable to get out of order.

Five in a tin box.

No. 3645—Price, per box ..... \$0.50

Price, per 100 ..... 9.20

**Schrader Rubber Base**

High grade rubber base valve.

No. 3646—Price,  
per dozen ..... \$3.50



No. 3646

Schrader Valve Cap and Rubber



No. 3648

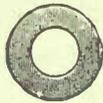
Valve caps supplied five in a tin box, 10 in a carton. Rubbers supplied 100 in a box.

No. 3648—Price, per dozen ..... \$1.00

Price, per 100 ..... 7.00

No. 3649—Price, Rubbers only, per 100 1.00

Axle Washers



No. 3648

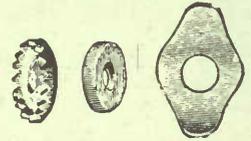
Plain round nickeled steel washers. Size 1/4, 5/16, 3/8 in. 100 in a package.

No. 3655—Price, 1/4-in. per 100 ..... \$0.80

No. 3656—Price, 5/16-in. per 100 ..... .80

No. 3657—Price, 3/8-in. per 100 ..... .80

Rim Spoke Nipple Washers



Nos. 3659, 3658, 3660

Put up 1,000 in a box.

No. 3658—Price, plain, per 1,000 .... \$1.00

No. 3659—Price, Saw Tooth, per 1,000 1.20

No. 3660—Price, per 1,000 ..... 1.60

Hack Saws and Blades



Made from extra wide heavy stock, adjustable from eight to twelve inches.

No. 3832—Price, with blade, each .... \$1.50

No. 3833—Price, 8 inch blades only, per dozen ..... 1.60

No. 3834—Price, 10 inch blades only, per dozen ..... 2.10

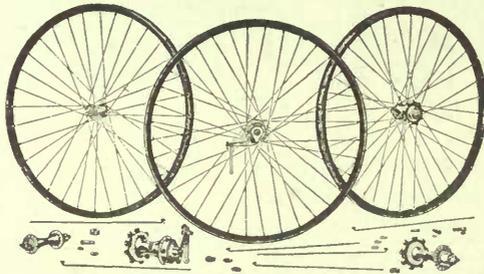
No. 3835—Price, 12 inch blades only, per dozen ..... 2.40

High Grade Files



No.	Type	Length	Price Doz.	No.	Type	Length	Price Doz.
3836	Flat Mill Bastard	8 in.	\$4 50	3842	Round Bastard	8 in.	\$4.50
3837	Flat Mill Bastard	10 in.	5 80	3843	Round Bastard	10 in.	5.80
3838	Flat Mill Bastard	12 in.	7 70	3844	Round Bastard	12 in.	7.70
3839	Flat Bastard	8 in.	5.40	3845	Half Round Bastard	8 in.	7.70
3840	Flat Bastard	10 in.	7.30	3846	Half Round Bastard	10 in.	9.40
3841	Flat Bastard	12 in.	10 10	3847	Half Round Bastard	12 in.	12 20

**Built-up Wheels**

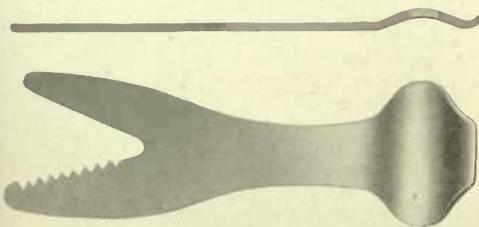


No. 3665

These built-up wheels supplied with Standard Canadian 28-inch rims unless otherwise specified; fitted with best quality spokes, highest grade hubs and rims. Prices shown are for natural wood finish rims. Extra charge for enamelled rims in standard colors.

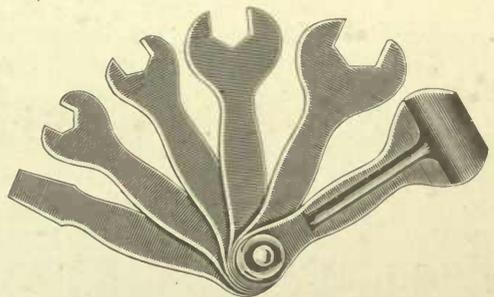
No. 3663—Price, Front Wheel, wood rim, barrel hub .....	\$5 70
No. 3664—Price, Front Wheel, wood rim, best concaved hub .....	6 20
No. 3665—Price, Front Wheel, steel lined wood rim, best concaved hub .....	6 90
No. 3666—Price, Front Wheel, all steel rim, best concaved hub .....	6.60
No. 3667—Price, Rear Wheel, wood rim, best hub, without coaster brake .....	7.30
No. 3668—Price, Rear Wheel, steel lined wood rim, best hub, without coaster brake .....	8.00
No. 3669—Price, Rear Wheel, all steel rim, best hub without coaster brake ....	7.70
No. 3670—Price, Rear Wheel, wood rim, fitted with coaster brake .....	12.70
No. 3671—Price, Rear Wheel, steel lined wood rim, fitted with coaster brake .....	13.40
No. 3672—Price, Rear Wheel, all steel rim fitted with coaster brake .....	13.10
No. 3673—Price, Rear Wheel, wood rim, fitted with Sturmey-Archer Tri-coaster .....	32.60
No. 3674—Price, Rear Wheel, steel lined wood rim, fitted with Sturmey-Archer Tri-coaster .....	33.30
No. 3675—Price, Rear Wheel, all steel rim, fitted with Sturmey-Archer Tri-coaster .....	33.30

**Combination Tire and Cone Wrench**



No. 3676

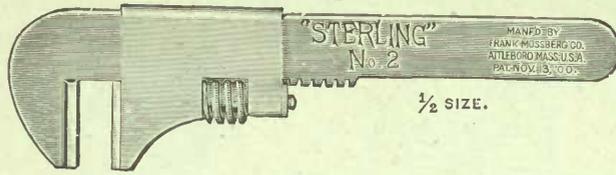
**Combination Wrench Set**



No. 3677

No. 3676—Price, dozen .....	\$2.40	No. 3677—Price, dozen .....	\$5.30
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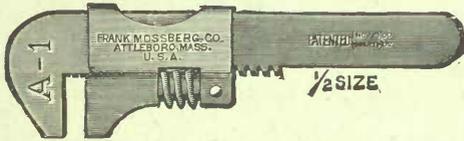
## Adjustable Sterling No. 2 Wrench



No. 3678

Very strong, thoroughly hardened, guaranteed, opens  $1\frac{3}{8}$  in. Length  $6\frac{1}{2}$  in.  
 No. 3678—Price, Nickel plated, per dozen ..... \$13.20  
 No. 3679—Price, Mottled finish, per dozen ..... 11.00

## Adjustable Wrench No. A1

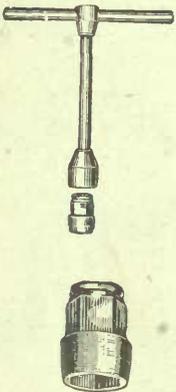


No. 3681

For bicycle adjusting and assembling, highest grade, guaranteed. Length 5 inches.

No. 3681—Price, A-1, Dull nickel finish per dozen ..... \$5.00  
 No. 3682—Price, A-1, Nickel plated, polished finish, per dozen ..... 6.00

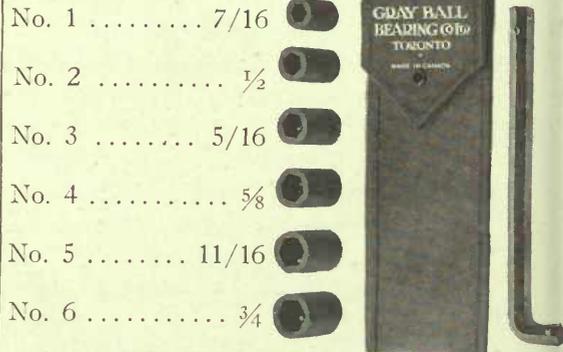
### Billmont Wrench Set



T Socket Wrench, complete with five Sockets, will fit all standard size nuts.  $\frac{1}{2}$  inch Socket fits Hyslop C. C. M. Front Axle Nuts and Handle-bar bolts.  
 $\frac{9}{16}$  inch Socket fits Eadie nuts.  
 $\frac{5}{8}$  inch Socket fits Seat Post nuts.  
 $\frac{11}{16}$  inch Socket fits Atherton, Hercules and Lester nuts.  
 $\frac{3}{4}$  inch Socket fits C.C.M. Crank Jamb nut.

No. 3820—Price, Set complete with five Sockets, each ..... \$6.90  
 No. 3821—Price,  $\frac{1}{2}$  inch Socket, each .90  
 No. 3822—Price,  $\frac{9}{16}$  inch Socket, each .90  
 No. 3823—Price,  $\frac{5}{8}$  inch Socket, each .90  
 No. 3823—Price,  $\frac{11}{16}$  inch Socket, each 1.10  
 No. 3823—Price,  $\frac{3}{4}$  inch Socket, each 1.10

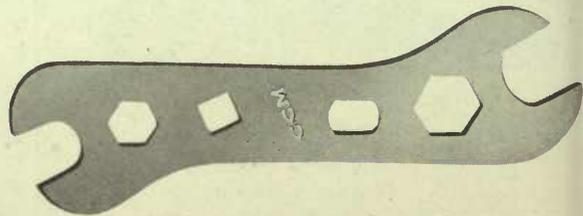
### Special Socket Wrench Set



No. 1 .....  $\frac{7}{16}$   
 No. 2 .....  $\frac{1}{2}$   
 No. 3 .....  $\frac{5}{16}$   
 No. 4 .....  $\frac{5}{8}$   
 No. 5 .....  $\frac{11}{16}$   
 No. 6 .....  $\frac{3}{4}$   
 No. 3824—Price, Set complete with six Sockets each ..... \$3.20  
 No. 3825—Price Sockets only, state size required, each ..... .50  
 No. 3826—Price, handle only, each .. .60

## "6-in-1" Wrench

No. 3827—Price, per dozen ..... \$3.60



No. 3827

**Machinist's Hammer**



No. 3828-9

- No. 3828—Price, 1 lb. each .....\$2.26
- No. 3829—Price, 1½ lb. each ..... 2.56

**Hand Hammer**



No. 3830

Nickel Plated and polished all over. Measures 7 inches long and weighs 10 oz.

- No. 3830—Price, Complete outfit, (hammer and three screw drivers) ...\$3.00

**Four-in-one Screw Driver**

Consists of 4 High-grade screw-drivers nested together in one compact outfit. The over-all length is 5¾ inches. All blades are of highest grade carbon steel and entire screw-driver is highly nickel-plated and polished.



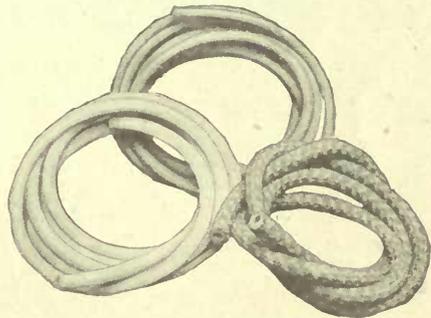
No. 3831

- No. 3831—Price, complete, ..... \$1.70

**Lamp Tubing**

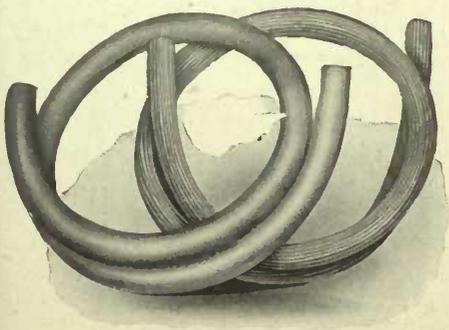
Rubber Lamp Tubing for connecting up motorcycle and bicycle lamps with generator. Made in red only.

- No. 3680—Price, 3/16 in., per ft. ....\$0.12
- Price, 3/16 in., 100 ft. lots. 10.00



No. 3680

**Baby Carriage Rubber Tiring**



Nos. 3683-7

Manufactured from superior quality rubber very resilient. Will stand a lot of hard service. This tire will make up a smooth easy running wheel and is exceptionally good value at a reasonable price.

- | No.                                       | Price  |
|---|--------|
| No. 3882—Price, Wire for tiring, per lb.  | \$0.22 |
| No. 3883—Price, 3/8-in. per foot          | .06    |
| No. 3884—Price, 7/16-in. per foot         | .08    |
| No. 3885—Price, 1/2-in. per foot          | .10    |
| No. 3886—Price, 5/8-in. per foot          | .16    |
| No. 3887—Price, 3/4-in. per foot          | .24    |
| Price, all sizes, per lb.                 | .60    |
| Price, all sizes per lb. in 100 lb. lots. | .58    |



## Parts for Hyslop Bicycles

### Frame Parts

Frame stripped less cranks and fittings, fork and fittings, seat post and chain adjusters for Hyslop 1916-17-18 men's models.	
No. 3688—Price, .....	\$21.50
Frame stripped less cranks and fittings, fork and fittings, seat post and chain adjusters for Hyslop 1911-12-13-14-15 men's models.	
No. 3689—Price, .....	21.50
Frame stripped less cranks and fittings, fork and fittings, seat post and chain adjusters for Hyslop Motobike.	
No. 3690—Price .....	23.00
Frame less fork and fittings with seat post, chain adjusters, crank and crank fittings for Hyslop 1916-17-18 men's models.	
No. 3691—Price .....	.30.00
Frame less fork and fittings with seat post, chain adjusters, crank and crank fittings for Hyslop 1911-12-13-14-15 men's models.	
No. 3692—Price .....	.30.00
Frame less fork and fittings, with seat post chain adjusters, cranks and crank fittings for Hyslop Motobike.	
No. 3693—Price .....	31.50
Frame complete with cranks and fittings, fork and fittings, seat post and chain adjusters, for Hyslop 1916-17-18 men's models.	
No. 3694—Price .....	37.00
Frame complete with cranks and fittings, fork and fittings, seat post and chain adjusters, for Hyslop 1911-12-13-14-15 men's models.	
No. 3695—Price .....	37.00
Frame complete with cranks and fittings, fork and fittings, seat post and chain adjusters for Hyslop Motobike.	
No. 3696—Price .....	43.50

State size of frame required.

Above prices are for black enamelled frames; if colors are desired this will be charged for extra.

### Chain Adjusters

No. 3698—Price, Chain Adjusters for Hyslop 1916-17-18, each .....	\$0.30
No. 3699—Price, Chain Adjusters for Hyslop 1911-12-13-14-15, each .....	.30
No. 3700—Price, Chain Adjusters for Hyslop Motobike, each .....	.30

### Forks and Fittings

(See Frame Head Parts.)

### Front Hub Parts

No. 3702—Price, Shell for Hyslop concaved front hub, each .....	\$1.00
No. 3703—Price, Axle for Hyslop concaved front hub, each .....	.30
No. 3704—Price, Axle cones for Hyslop concaved front hub, each .....	.44
No. 3705—Price, Axle concaved washer for Hyslop concaved front hub, each....	.06

**NOTE.**—To avoid mistakes please give number and model of bicycle when ordering parts; if number and model is not given, parts will be supplied for latest model.

## Parts for Hyslop Bicycles

### Front Hub Parts—Continued

No.	Price
3706—Axle flat washer for Hyslop concaved front hub, each .....	\$0.02
3707—Ball Retainer less balls, for Hyslop concavevd front hub, each .....	.14
3708—Ball Retainer with balls, for Hyslop concaved front hub, each .....	.20
3709—Axle nuts for Hyslop concaved front hub, each .....	.12
3710—Axle complete less balls and retainers for Hyslop concaved front hub, each .....	1.40
3711—Shell for New Departure front hub, each .....	1.00
3712—Axle for New Departure front hub, each .....	.30
3713—Axle cones for New Departure front hub, each .....	.40
3714—Axle cone concaved washer for New Departure front hub, each .....	.06
3715—Axle flat washer for New Departure front hub, each .....	.02
3716—Ball Retainer less balls, for New Departure front hub, each .....	.14
3717—Ball Retainer with balls for New Departure front hub, each .....	.20
3718—Axle nuts for New Departure front hub, each .....	.10
3719—Axle complete less balls and retainers for New Departure front hub, each...	1.40
3720—Shell (English) concaved or barrel front hub, each .....	1.00
3721—Axle (English) concaved or barrel front hub, each .....	.30
3722—Cones (English) concaved or barrel front hub, each .....	.30
3723—Washers, flat (English) concaved or barrel front hub, each .....	.02
3724—Nuts (English) concaved or barrel front hub, each .....	.06
3725—Complete less balls, concaved or barrel front hub, each .....	.60
3726—Balls 18 to a set (No retainers size 3/16 in.), per set .....	.18

### Rear Hub Parts

(See Coaster Brake Parts, pages 19 to 24)

### Seat Post and Fittings

No.	Price
3728—Seat Post, all models, each .....	\$1.50
3729—Seat Post Bolt and Nut, 1916-17-18, each .....	.30
3730—Seat Post Bolt ond Nut, 1911-12-13-14-15, each .....	.30
3731—Seat-Post Bolt and Nut, Motobike, each .....	.30
3732—Seat Post Ferrule for any model, each . . . . .	.20

### Frame Head and Fork Parts

No.	Price
3735—Frame Head, Upper and Lower Cup, 1916-17-18, each .....	.60
3736—Frame Head, Upper Cup, 1911-12-13-14-15, each .....	.60
3737—Frame Head, Upper Cup, Motobike, each .....	.60
3738—Frame Head, Lower Cup, 1911-12-13-14-15, each .....	.60
3739—Frame Head, Lower Cup, Motobike, each .....	.60
3740—Frame Head, Adjusting Cone, 1916-17-18, each .....	.80
3741—Frame Head, Adjusting Cone, 1911-12-13-14-15, each .....	.70

NOTE.—To avoid mistakes please give number and model of bicycle when ordering parts; if number and model is not given, parts will be supplied for latest model.

## Parts for Hyslop Bicycles

### Frame Heads and Fork Parts---Continued

No.	Price
3742—Frame Head, Adjusting Cone, Motobike, each .....	\$0 70
3743—Frame Head, Lock Nut, 1916-17-18, each .....	.60
3744—Frame Head, Lock Nut, 1911-12-13-14-15, each .....	.70
3745—Frame Head, Lock Nut, Motobike, each .....	.70
3746—Frame Head, Lock Nut Washer, 1916-17-18, each .....	.20
3747—Frame Head, Lock Nut Washer, 1911-12-13-14-15, each .....	.20
3748—Frame Head, Lock Nut Washer, Motobike, each .....	.20
3749—Frame Head, Stationary Cone, 1916-17-18, each .....	.40
3750—Frame Head, Stationary Cone, 1911-12-13-14-15, each .....	.40
3751—Frame Head, Stationary Cone, Motobike, each .....	.50
3752—Frame Head, Ball Retainer, less balls, 1916-17-18, each .....	.14
3753—Frame Head, 1911-12-13-14-15, no retainers required, use 21 3/16 balls, per hundred .....	.90
3754—Frame Head, Ball Retainer, less balls, Motobike, each .....	.14
3755—Frame Head, Ball Retainer, with balls, 1916-17-18, each .....	.20
3756—Frame Head, Ball Retainer, with balls, Motobike, each .....	.20
3757—Frame Head Fittings, complete, less fork, 1916-17-18, each .....	3 30
3758—Frame Head Fittings, complete, less fork, 1911-12-13-14-15, each .....	3 30
3759—Frame Head Fittings, complete, less fork, Motobike, each .....	3 40
3760—Frame Head Fittings, complete, with fork, 1916-17-18, each .....	9 40
3761—Frame Head Fittings, complete, with fork, 1911-12-13-14-15, each .....	9 40
3762—Frame Head Fittings, complete, with fork, Motobike, each .....	13 40
3763—Fork only with stationary cone less all other fittings, for 1916-17-18 frames, each .....	6 40
3764—Fork only with stationary cone less all other fittings, for 1911-12-13-14-15 frames, each .....	6 40
3765—Fork only with stationary cone less all other fittings, for Motobike, each....	10 40

### Chain Parts

No.	Price
3768—Connecting Link consisting of one complete link with snap on outside plate for 1 in. x 3/16 in. Diamond Roller Chain, per dozen .....	\$3 80
3769—Chain Bolts and Nuts for Rollfast or Perry, 3/16-in. Chain, per dozen .....	.50
3770—Chain Bolts and Nuts for Rollfast 1/8 in. Chain, per dozen .....	.50
3771—Chain Bolts and Nuts for Lyon or Peugeot 3/16-in. Chain, per dozen .....	.50
3772—Chain Bolts and Nuts for Lyon or Peugeot 1/8-in. Chain, per dozen .....	.50
3773—Chain Bolts and Nuts for Brampton or E.T.O. 3/16-in. Chain, per dozen ..	.50
3774—Chain Bolts and Nuts for Brampton or E.T.O. 1/8-in. Chain, per dozen .....	.50
3775—Rivets only for Rollfast or Perry Chains, 3/16-in., per dozen .....	.30
3776—Outside or Short Plate for Rollfast or Perry, 1 in. x 3/16-in. Chain, per doz.	.30

**NOTE.**—To avoid mistakes please give number and model of bicycle when ordering parts; if number and model is not given, parts will be supplied for latest model.

## Parts for Hyslop Bicycles

### Chain Parts—Continued

No.	Price
3777—Inside Link, complete, consisting of two inside plates, two rollers and two bushings for Rollfast or Perry, 1 in. x 3/16 in. Chains, each .....	\$0 20
3778—Rivets only for 1/8 in. Rollfast or Perry Chain, per dozen .....	.20
3779—Complete Link for Rollfast or Perry, 1 in. x 3/16 in., Chain with Rivet Attachment, each .....	.20
3780—Complete Link for Rollfast or Perry, 1/2 in. x 1/8 in., Chain with Rivet Attachment, each .....	.20
3781—Complete Link for Brampton and E.T.O., 1 in. x 3/16 in., Chain with Rivet Attachment, each .....	.20
3782—Complete Link for Brampton and E.T.O., 1/2 in. x 1/8 in. Chain with Rivet Attachment, each .....	.20
3783—Complete Link for Lyon, 1 in. x 3/16 in., Chain with Rivet Attachment, each .....	.20
3784—Complete Link for Lyon, 1/2 in. x 1/8 in., Chain with Rivet Attachment, each .....	.20
3785—Complete Link for Diamond, 1 in. x 3/16 in., Chain with Rivet Attachment, each .....	.20

### Crank Bracket Fittings

3788—One-piece Crank, 1915-16-17-18 Model, each .....	4.50
3789—One-piece Crank, Motobike, 1916-17-18 Model, each .....	4 50
3790—One-piece Crank, 1911-12-12-14-15 Model, each .....	4 50
3791—Crank Bracket Cup, either side (not threaded) 1916-17-18, each .....	.70
3792—Crank Bracket Cup, either side (not threaded) 1911-12-13-14-15, each .....	.80
3793—Crank bracket Cup, either side, for Motobike, 1916-17-18, each .....	.80
3794—Crank Bracket Adjusting Cone, 1916-17-18, each .....	.80
3795—Crank Bracket Adjusting Cone, 1911-12-13-14-15, each .....	.80
3796—Crank Bracket Adjusting Cone, Motobike, 1916-17-18, each .....	.80
3797—Crank Bracket Stationary Cone, 1916-17-18, each .....	.80
3798—Crank Bracket Stationary Cone, 1911-12-13-14-15, each .....	.80
3799—Crank Bracket Stationary Cone, Motobike, 1916-17-18, each .....	.80
3800—Crank Bracket Lock Nut, 1916-17-18, each .....	.40
3801—Crank Bracket Lock Nut, 1911-12-13-14-15, each .....	.40
3802—Crank Bracket Lock Nut, Motobike, each .....	.40
3803—Crank Bracket Lock Nut Washer, 1916-17-18, each .....	.20
3804—Crank Bracket Lock Nut Washer, 1911-12-13-14-15, each .....	.20
3805—Crank Bracket Lock Nut Washer, Motobike, 1916-17-18, each .....	.20
3806—Stationary Cone Spacing Washer, 1916-17-18, each .....	.20
3807—Stationary Cone Spacing Washer, 1911-12-13-14-15 .....	.20
3808—Crank Sprocket (state size and number of teeth required), each .....	3 90
3809—Crank Bracket Ball Retainer, less Balls, 1916-17-18 .....	.26
3810—Crank Bracket Ball Retainer, with Balls, 1916-17-18, 10—5/16 in. balls. ....	.36
3811—Crank Bracket Ball Retainer, less Balls, 1911-12-13-14-15 .....	.26
3812—Crank Bracket Ball Retainer with Balls, 1911-12-13-14-15, 12—1/4 in. balls ..	.36
3813—Crank Bracket complete with Cups all Models .....	11.00
3814—Crank Bracket less Cups all Models .....	10.40

**NOTE.**—To avoid mistakes please give number and model of bicycle when ordering parts; if number and model is not given, parts will be supplied for latest model.

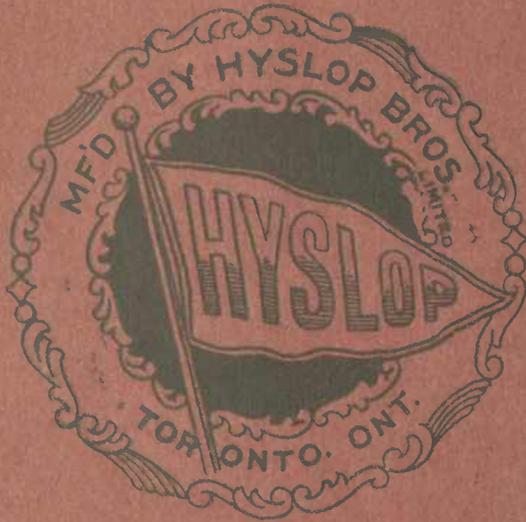


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