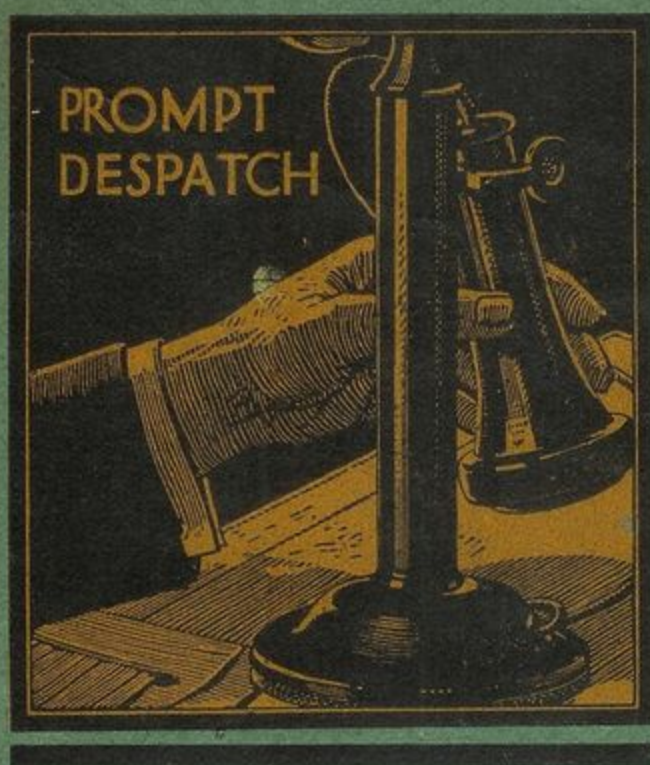


ACCESSORIES

FOR
BICYCLES
MOTOR CYCLES
MOTOR CARS



40-950
AUCKLAND

SKATES & WHITE LTD.
· BICYCLE AND MOTOR IMPORTERS ·

48 FORT STREET, AUCKLAND

LIST No. 19

**BICYCLE
MOTOR CYCLE
and CAR**

REPAIRS

Bicycle Repairs . . Full particulars and prices of these will be found on pages 79 and 80 of this Catalogue. All usual Repairs needed in connection with Bicycles are quoted for, but we are always pleased to quote for special or unusual jobs.

Motor Cycle

..

Repairs We regret we cannot quote for, owing to the wide diversity of the different adjustments and repairs needed by the various makes and models of Motor Cycles. If we give a definite quote for Motor Cycle repairs, we have to quote either a very high price to cover items that we cannot know of until the work is actually in progress, or else we have to leave things alone that really should be attended to. It is therefore safer to trust to our expert knowledge as to requirements, and our sense of fairness and reasonable charges for actual time and materials used. We, of course, specialise in Repairs to INDIAN and B.S.A. Motor Cycles, although we undertake work on any make of Motor Cycle.

..

Car Repairs The above remarks also apply to Car Repairs, except that our Car Repair Department specialises entirely on repairs and attention to OAKLAND and PONTIAC Cars.

To Country Clients

We specialise on Country Repair Jobs and return them promptly

SKATES & WHITE LTD.
BICYCLE AND MOTOR IMPORTERS

48 Fort St.
AUCKLAND

TERMS OF BUSINESS

WE PAY FREIGHT OR POSTAGE

on all

CASH ORDERS FOR ACCESSORIES

Except on the following lines:—

CARBIDE	BENZINE	MOTOR CAR TYRES	ACCUMULATORS
OIL	MUDGUARDS	MOTOR CYCLE TYRES	

Note. FREIGHT is paid to your nearest port or station.
POSTAGE is paid to any address in New Zealand.

Cash with Order

Cash must be sent with all Mail Orders unless you have an account with us, or have made arrangements to open an account. If you are not certain of the exact cost of the goods you order, please remit a little extra and we will refund anything over. This is better than sending too little, thereby causing delay through insufficient money being received for the goods required, and our having to write you for the balance.

Repair Job Accounts

In reference to repair jobs, you cannot of course send cash with order, as the cost of the work is not usually known until the job is completed. We therefore advise you the cost of the job as soon as completed, or before if possible, and upon receipt of remittance despatch same promptly.

Credit Accounts

If you desire to obtain goods on credit, please send references with your FIRST order, otherwise we cannot execute same. Owing to heavy cost of collecting small accounts, we cannot open new accounts for trifling amounts. We often receive orders for goods amounting to a few shillings without the cash. The cost of booking these small orders and collecting the amount is more than the profit received on these small transactions.

It may happen that old customers send an order without remittance, and feel annoyed at our asking for a reference before sending on the goods. To avoid this annoyance, will you please when writing mention that you have had a Credit Account with us, as we cannot remember the names of the thousands of customers we have had during our 37 years of business. Of course, if you are a regular customer there is no chance of the above happening, but it does sometimes happen in cases where perhaps your last dealings with us were twelve months ago or longer. We mention this because customers are sometimes unnecessarily annoyed at our asking for Cash or Reference when they have previously had a Credit Account. On the other hand, if you are not known to us, we do require either Cash or Reference before sending on the goods.

Money Refunded

All money paid will be refunded if you are not satisfied with the goods, providing same are immediately returned in good order.

Remittance

Money may be forwarded by cheque, money order, postal notes, stamps, or bank-notes. (It is not advisable to send the latter, except in registered letters.) We accept 1d. stamps for any amount up to £1.

Prices

All prices in this catalogue are **nett cash**, and in all cases where fitting is required this is charged for extra. The prices quoted have been carefully checked, and represent a fair and reasonable charge, at the same time allowing us to supply goods of quality and reliability.

Important

Kindly always advise us by mail when forwarding Machines or parts for Repairs, etc. Otherwise, there may be delay in our receiving them. Also please write your name and address, and enclose with anything you are sending us, as we often receive parts and have no idea from whom they come.

Telephones—Communicates with Departments as under:

40-950 { Shop—Accessories, New Machines
Indian Parts
Office and Accounts
Motor Cycle Repairs
Bicycle Repairs

44-280 { Oakland and Pontiac Parts
Car Repairs

HOW TO FIND WHAT YOU REQUIRE

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IN ADDITION TO THIS CATALOGUE

We also issue the following

ILLUSTRATED CATALOGUES dealing with

OAKLAND CARS
PONTIAC CARS
SKEATES BICYCLES
B.S.A. MOTOR CYCLES
INDIAN MOTOR CYCLES
CHILDREN'S TRICYCLES

Each giving full details and specifications, also latest cash prices and all particulars of our terms for obtaining any of them (with the exception of Children's Tricycles) by the payment of a small Deposit and the Balance by monthly payments.

All Free on Request.

WRITE NOW for the Catalogue that interests you.

Sole Agents in Auckland District for B.S.A. Motor Cycles.

Barnstormers Co. Nz

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Quality SCOOTERS

£1-3-6

This SCOOTER is EXCEPTIONALLY ATTRACTIVE, WELL MADE and EASY-RUNNING.

SPECIFICATION.

It has Bicycle spoked wheels with Plain Bearings and 1" solid Rubber tyres wired on with special non-rusting wire (10" wheels). The Head (the curved part connecting the Handle with the Running Board) is unusually strong. It is so shaped that it serves also as a Front Mudguard. The other metal parts are of high-grade cold rolled steel, and

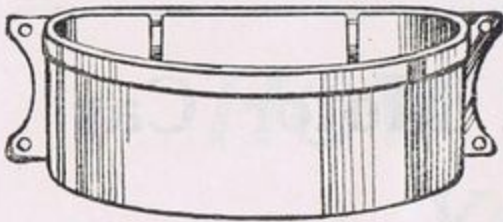
with enamel baked on. Lock nuts on bolts and washers prevent them shaking loose.

The nicely shaped handle is of hardwood. The Running Board is painted a brilliant durable red, appealing to the children.

Fitted with stand. Fork and Stem are satin Nickel Finish.

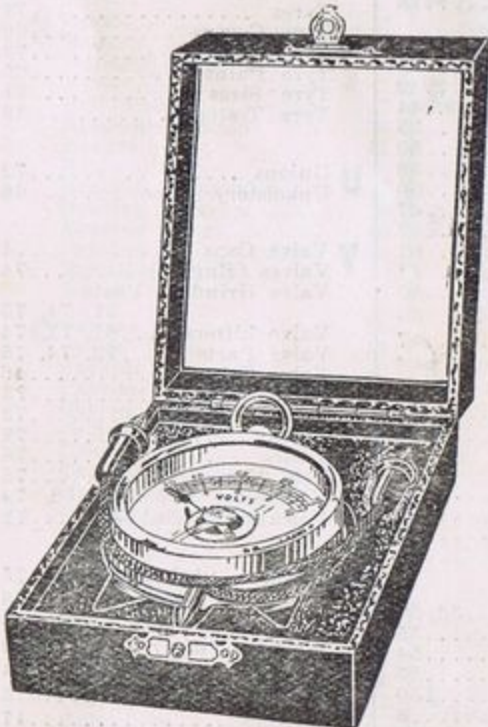


Tricycles and Scooters especially suitable as Birthday and Christmas Gifts.



14/20—ASH TRAY—Made of heavy electroplated nickel silver. Length 4", width 1 1/4", depth 1 1/2". Highly polished, finished with detachable interior, fitted with springs to withstand vibration. Match striker is situated handily at the bottom of the tray. Gilt interior. 10/- each.

We Pay the Postage.



10/20—VOLT AND AMPMETERS—
Ammeters — Dashboard fitting, showing charge and discharge. French make. 20/- each.
Volt and Ampmeter combined, reading 25 amps, 16 volts. 12/6 ea.



84/20.

VALVE ADAPTER AND VALVE CAP—Converts Schrader valve so that any English Cycle or Motor Cycle pump may be used with it. Valve Cap is supplied in addition to Adapter illustrated. 6d. each.

CHAIN ADJUSTER PARTS.



CAPS.

For Chain Adjusters. Open ends. 2d. each.



CAPS.

For Chain Adjusters. Closed ends. 2d. each.



NUTS.

For Chain Adjusters. 2d. each.



22/15—FOOTBALL ADAPTER.

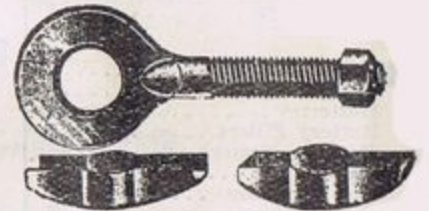
Fits any Cycle Pump. 6d. each.



80/20.

SIMPLEX CHAIN ADJUSTERS.

For slotted Fork-ends. Strong, well made. 1/3 pair.



76/20.

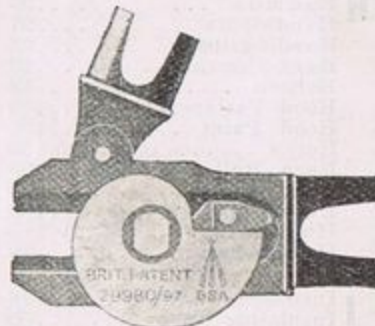
CHAIN ADJUSTERS.

Complete with Cap and Nut, 6d. each.



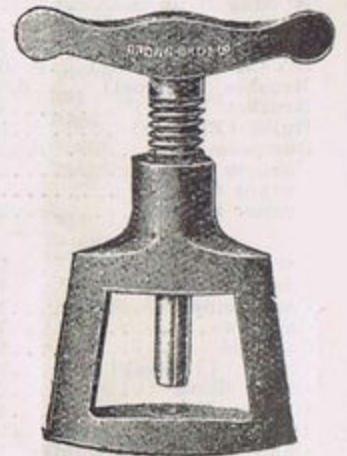
70/14 — TERRY SPRING BELTING.

For Dynamos, Motors, etc. 3/8 in. diameter. 1/3 per ft.



B.S.A. CHAIN ADJUSTERS, 49/19—Showing Cam Chain adjustment.

Cams Complete .. 2/6 each.
Cams only .. 1/6 "
Cam Blocks .. 9d. "
Cam Block Screws 4d. "



13/80.

DUCO BELT PUNCHES. 1 in., 1 1/8 in., 3/6 each.



75/14. SPRING BELT COUPLINGS.

3d. each.

BATTERY LAMP.
— FOR BICYCLES —
Consists of 3-cell Battery in Metal Case with straps for attaching to top tube of bicycle and head lamp. Ideal for short rides and town use.
Small Size 15/- ea.
Large Size 20/- ea.



63/20.

TRICYCLE BELL.

Specially designed for tricycles, with 1/2" or 3/4" clip. 1/6 each.



22/99.

GENUINE STANLEY BELT CLIPS.

3/4 in., 5/8 in., 7/8 in., 1/6 each.



BOTTOM BRACKET AXLES.

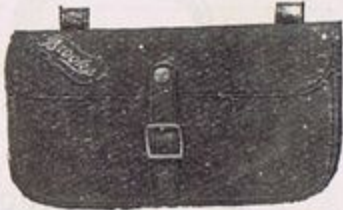
Genuine B.S.A.—For B.S.A. and Standard English Machines, 4/6 ea. Pattern B.S.A., 2/6 each.

We Pay Postage on all CASH Orders for Accessories.

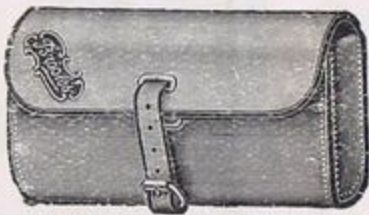
TOOL BAG CLIPS.

For fastening tool bags to Motor Cycle Carriers.

Consists of two plates with screws and clip for stays. 1/- ea.



51/8—BROOKS BICYCLE TOOL BAG (No. 2501)—An inexpensive but serviceable Bag. 6½ x 3½ x 1½. Gusset ends, 4/- each.



60/8—BROOKS BICYCLE TOOL BAG—Gusseted Ends. Straps passed round contents inside Bag. 5/6 each.



No 1538.

62/8—MOTOR CYCLE SIZE TOOL ROLLS—For use in Motor Cycle tool bags. The quality of material is the best and very hard wearing. Fastens with continuous strap.

Good Waterproof Canvas 3/9 each
Leather 6/- "

Size 17 x 7



63/8—BROOKS BICYCLE TOOL BAG—A capacious Bag with deep flap and address pocket (not illustrated). 6 x 1½ x 3¼. 6/6 each.



84/13—BORON COMPO—A vast improvement on borax for Brazing, making a more tenacious joint. Leaves the work surprisingly clean and protects the tube from the weakening effects of the flame. 4/- per tin.



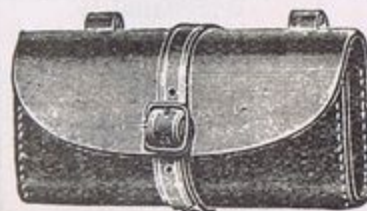
64/20—SPARE TUBE CASE — With strong clip for fitting to frame or carrier.

Genuine Leather 7/6 each
Imitation Leather 5/- "

So seldom does the need for a wayside adjustment occur, that we are tempted to leave at home the few tools we need—and alas! we leave the repair outfit also.

Take those few odd spanners, a screwdriver and oilcan, all well wrapped to prevent jingling—and pack together with a good tyre outfit in an equally good bag. Choose a bag of stout leather with good straps and sturdy-looking stitching—

BROOKS.



136/19 — NATIONAL BICYCLE TOOL BAG — Solid oval ends. 5½" long. 2/6 each.

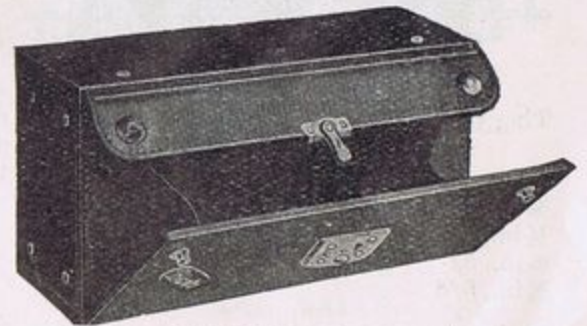
We can always offer you Exceptional Value in

Second-hand Bicycles, Motor Cycles or Cars.

Write for latest List, stating your requirements.



13/20—TRIANGULAR BAG—Specially designed to fit in angle of cycle frame. Best Leather, strongly sewn. Stout attachment straps, good ring lock and steel stay in bag top, giving greater strength and retaining shape. Size 6¼ x 6½ x 1¼. 4/6 each.



47/8—ARMOUR-PLATED MOTOR CYCLE TOOL BAG — Complete with Clips for attaching to Carrier.

7½ x 4 x 3 13/6
10 x 4½ x 3¼ 15/-



No 569. No 570.

67/9 — COLD CHISELS — Special quality Steel.

7in. x ¼in. 2/6 each
8½in. x ⅝in. 3/6 each

Always carry a Repair Outfit. You never know when it may be required.



52/6—DUNLOP BELTS.

5/8-inch	per foot	2/6
3/4-inch	"	3/-
7/8-inch	"	3/6
1-inch	"	4/-
1 1/8-inch	"	4/6

We pay Postage on all Cash Orders



49/13—WIRE BRUSHES.
Small, 2/- each. Medium, 3/- each. Large, 4/- each.



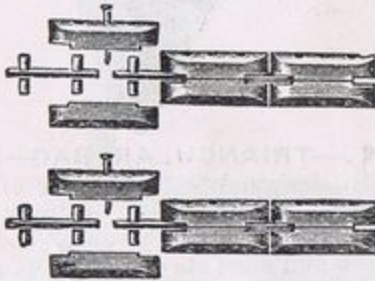
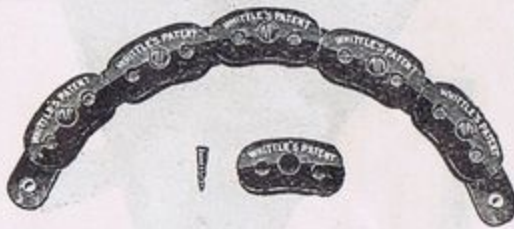
55/6. ROUND TWISTED LEATHER BELTING.

5/16-inch ..	2/3 per foot (Chrome)
3/8-inch ..	1/6 per foot
1/2-inch ..	2/- per foot



For Round Belts 6/58.

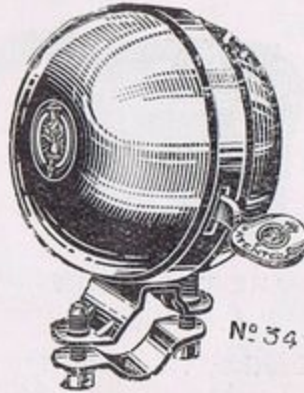
ROUND BELT HOOKS.
Specially hardened steel. 6d. each.



46/19—WHITTLE BELTING.

The Genuine Whittle Leather-link Belt. The best-wearing Belt on the market.

3/8 in., 4/- per foot.	7/8 in., 5/6 per foot.
1/2 in., 4/6 "	1 in., 7/- "
5/8 in., 5/- "	
3/4 in., 5/6 "	



101/14.

LUCAS DOUBLE CHIME BELL.

This Lucas revolving dome bell is designed and constructed on entirely new lines to ensure durability as well as clearness and loudness of tone. A light touch of the lever produces a clear, penetrating tone, musical and effective. 10/- each.

Children's Scooters

Back Page of Cover.



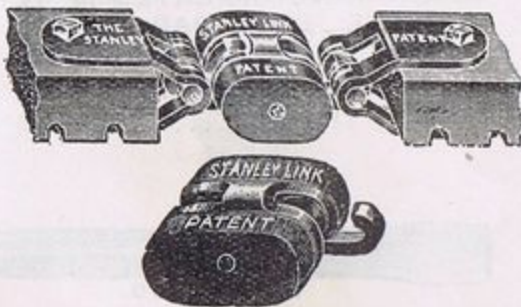
54/6.

SOLID ROUND BELTING.
3/8 in. diam., 1/6 foot.



98/8.

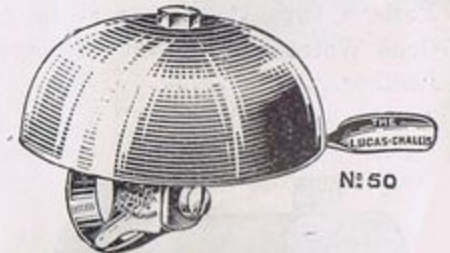
98/8. LUCAS BELL.
A recent production of Lucas, fully up to their high standard. A great improvement on hitherto cheap bell. No. 216, 2 1/16 in. dome, 2/- each.



39/19—STANLEY SPARE LINKS.

For lengthening Belts.
7/8 in., 1 in., 1 1/8 in., 2/- each.

Enamel Brushes
Best Quality,
4d., 6d., 9d., 1/- ea.
—
Extra Special Quality,
1-inch, 2/3 each.



No 50

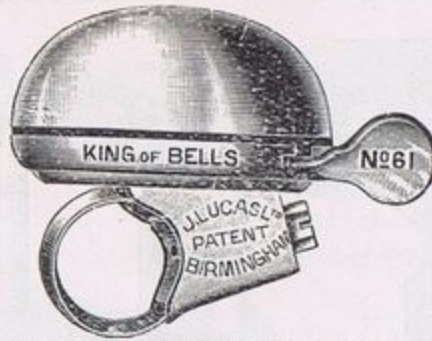
97/14—LUCAS CHALLIS BELL.
The Challis Bell works on a clever principle causing the hammer to move rapidly from side to side of the bell, producing very hard blows and giving forth a loud and effective ring. 5/- each.



133/7—LUCAS BAND CLIP—
For most Lucas Bells. 1/- each

LUCAS BELL PARTS.

We have a large stock of Lucas Bell parts, but except in the case of the more expensive bells it does not pay to repair them.



65/8—THE KING OF BELLS.
The careful mechanical construction eliminates all rattle, and gives the pure tone full scope. 7/6 each.

TRICYCLE BELL.

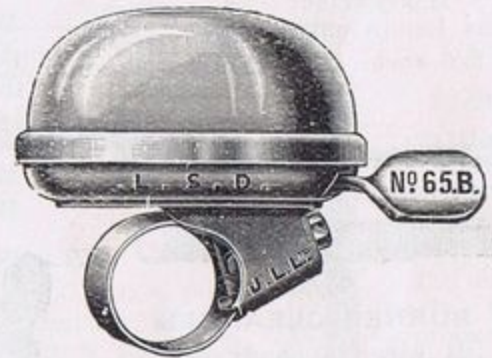
Specially made with clip to fit any tricycle handle. Very easy action.
1/6 each.



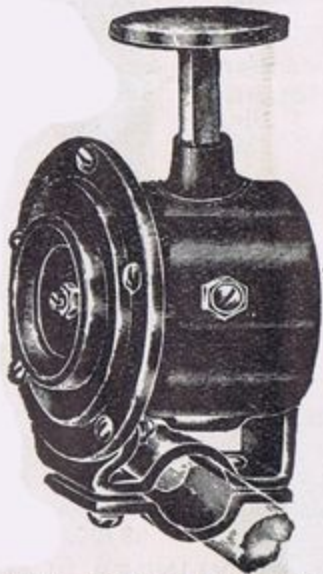
70/8.
LUCAS BABY BELL.
An exact replica of the larger Bell, No. 65/8. Fits all Bicycles. 5/6 each.



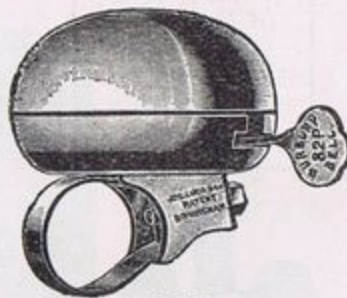
99/8—LUCAS STEEL DOME BELL (No. 256)—This bell has special alloy Steel dome and improved pattern rotary Hammer. Remarkably clear penetrating ring. Dome heavily plated, base finished in grey. 2/6 each



66/8.
LUCAS SPRING DOME BELL.
Fitted with the patent Spring Dome, improving its tone, making it ring louder and clearer, and reducing the liability to breakage. 10/- each.



80/8—BICYCLE KLAXON.
A sure road-clearer. Strongly made, easily worked. 8/- each.



67/8.
LUCAS BURBURY BELL.
With the Lucas rotary movement. 4/6 each.



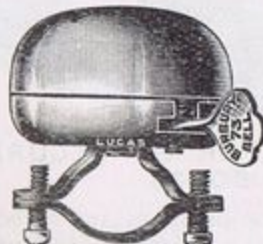
68/13—STEEL BALLS.

Very best quality. True to size.

Size.	Per dozen.		
1/8 in.	.. 3d.	See page 56 for Quantities and Sizes of Balls for Motor Cycles and Bicycles	
5-32 in.	.. 4d.		
3-16 in.	.. 4d.		
7-32 in.	.. 6d.		
1/4 in.	.. 6d.		
9-32 in.	.. 9d.		
5-16 in.	.. 1/-		
3/8 in.	.. 1/3		
7-16 in.	.. 2/3		
1/2 in.	.. 3/6		
9-16 in.	.. 4/6		Over 1 dozen.
5/8 in.	.. 5/-		.. 4/6
3/4 in.	.. 7/6		.. 6/6
7/8 in.	.. 10/-	.. 8/6	
1 in.	.. 12/6	.. 10/-	



70/20.
THE ROYAL CONTINUOUS RINGING BELL — The loudest and best Continuous bell made. Has coppered works to prevent rusting. 4/6 each



71/8—LUCAS SMALL BURBURY BELL.
Supplied in plated finish only, and is fitted with a 2-screw Clip. 3/6 each.

If not sure of size Ball required, please send sample Ball.

Acetylene Gas Burners.



100/12. LUCAS MOTOR CYCLE.
For Heavyweight Lucas Lamps only.
2/6 each.



124/12. ALCO BURNER.
Of small capacity. Suitable for several types of American rear lamps.
1/- each.



99/12. BRAY'S RONI.
For all P. & H. and the smaller sizes of Lucas Motor Cycle Lamps. Each.
Motor Cycle 1/6
Bicycle 1/3



6/27. 16/27. 6/27-ATMOSPHERIC HEAD-LIGHT BURNER.

For Lucas Car Lamps.
3s. each.

16/27-"RONI" HEADLIGHT BURNER.

Standard Inside Screw.
2/6 each.



103/12. LUCAS BICYCLE PUSH-IN. 1/- each.
For Lucas Calcia King Bicycle Lamps, use Burner No. 53. 2/- each.
All other Lucas Bicycle Lamps, use above Burner No. 103/12.



102/12. BICYCLE PUSH-IN
For P. & H. and Millar Lamps.
Single .. 6d. each
Double .. 1/- each



PATENT APPLIED FOR & REGISTERED



96/25. BURNER CLEANERS.
24 wires in handy case.
6d. each.



12/27-REAR LIGHT BURNER.
For Lucas Rear Lamps.
9d. each.



13/27-REAR LIGHT BURNER.
For P. & H. and Millar Rear Lamps. 6d. each.



125/12. FISH TAIL SCREW-IN BURNER.

This Burner is also suitable for all except Lucas Lamps, and of course gives more light than the single burner.
1/- each.

BURNERS.

When ordering Burners, please give name and number of Lamp if possible, and specify particular style of Burner required. We have Burners for all makes of Lamps.



126/12. SCREW-IN BICYCLE LAMP BURNER.
For all Bicycle Acetylene Lamps except Lucas.
6d. each.

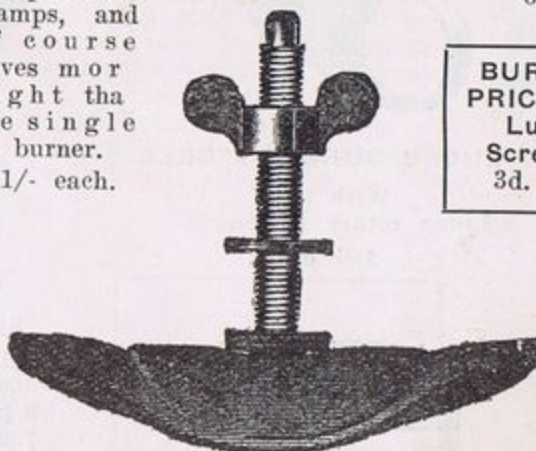


68/20. CYLINDER BLACK.
A first class heat resisting, dull finished enamel for exhausts, silencers and air cooled cylinders.
3/- per tin.

BURNER PRICKERS, Lucas Screw-in, 3d. each.



5/27. "LUTA" ATMOSPHERIC BURNER.
With Tapered Outside Screw.
1/6 each.



83/19-CREEPER OR SECURITY BOLTS.

These bolts have an improved Smooth Rubber-cushioned Head, which effectually prevents frictional damage to the tube.

Motor Cycle Sizes .. 1/6 each.
Motor Car Sizes .. 2/- each.



127/14. ADHESIVE TAPE.
1oz. Roll .. 6d.
2oz. " .. 9d.
4oz. " .. 1/6

The Ideal Car Washer gets at the "hard to reach" places.



35/17—WIRE WHEEL BRUSH.

Straight wire wheel brush, specially finished with tuft to prevent scratching. Of finest bristle, specially made to clean all parts of wire wheels. 5/- each.

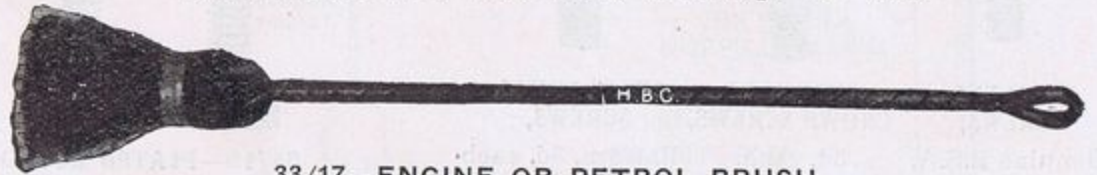


84/26. ENAMEL BRUSHES.

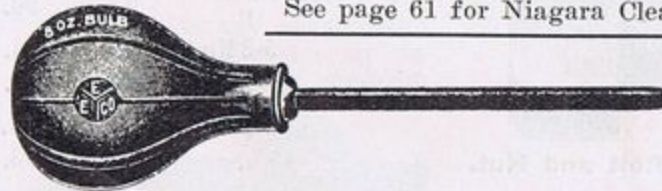
Best quality only. Hairs will not pull out. 1in., 1/9 each. 1½in., 2/- each. 2in., 4/- each. Cheaper Qualit., 1in., 9d. each.



34/17—WIRE WHEEL BRUSH.
Special tapered wire wheel brush, metal cap. 4/- each.



33/17—ENGINE OR PETROL BRUSH.
Made of hair. Will not spread or become matted by grease or oil. 16in. long. 2/3 each.



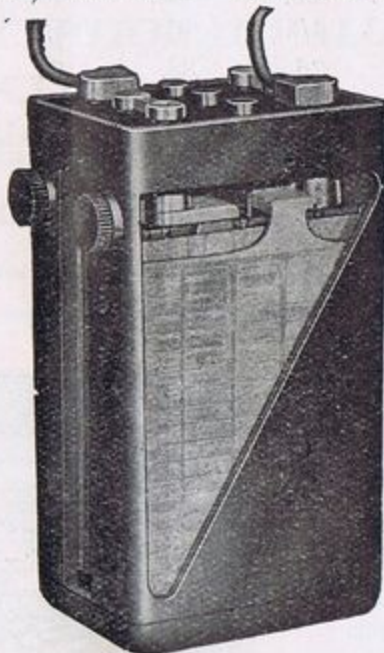
137/19—HYDRO BATTERY FILLER.

The handiest little device ever placed on the market for filling Storage Batteries. The "Hydro" Battery Filler is being universally used by car owners, battery stations, garages, etc., because of its simplicity in filling batteries with distilled water, or withdrawing acid from Storage Batteries. The "Hydro" Battery Filler is 11 inches long. The Tip is made of hard rubber and measures 7¼ inches over all. The bulb of pure soft flexible rubber has a capacity of 8oz. 6/6 each.



70/26. ROUND END MOTOR SPOKE BRUSHES.

The most useful brush produced. Fan-shaped ends enable the most difficult part to be reached. 10/6 each.



105/24—THE NEW WICO BATTERIES (6-Volt).

The new Wico is a radical departure from the ordinary type of battery construction. It is the strongest, longest lived motor cycle battery pos-

sible. The interior construction is so designed to provide the plates every protection and eliminates the possibility of loose plates or self-discharge between cells. The terminals are now special lugs forced into position and do away with the wire terminals shown in the illustration.

INDIAN CHIEF : 5N.

Length, 4 1-16"
Width, 3 9-16"
Height, 8"
Weight, 10½lb.
Capacity, 20 ampere hours
£3/15/- each.

INDIAN SCOUT : 4N.

Length, 4"
Width, 3"
Height, 7 15-16"
Weight, 9½lb.
Capacity, 14-15 ampere hrs.
£3/7/6 each.

HARLEY DAVIDSON : HENDERSON : EXCELSIOR :

5H.
Length, 4in.
Width, 3½in.
Height, 6 21-32in.
Weight, 9lbs.
Capacity, 15-17 ampere hours—six volts.
£3/15/- each.



153/19—GEMCO BUMPERS—Gemco Bumpers give your car the protection it needs. Specially adapted for Oaklands. Easily fitted.

Front £4/10/-
Back £4/10/-

Special Wing Bumpers to fit around each rear guard and so giving free access to spare wheel. £4/10/- pair.

Wico Battery Parts.

	For Scout Indians. Type 3N.	For Chief Indians. Type 5N.
Positive Groups	.. 4/6	6/-
Negative " "	.. 6/6	7/6
" Plates	.. 3/-	3/-
" " "	.. 3/-	3/-
Wood Separators	.. 6d.	6d.
Inside Covers ..	.. 1/-	1/-
Outside " ..	.. 1/6	2/6
Post Sleeves ..	.. 1/-	1/-
Lead Strap Positive ..	.. 1/-	1/6
" " Negative ..	.. 6d.	1/-
Cell Connectors ..	.. 6d.	6d.
Rubber Spacers ..	.. 6d.	6d.

We pay the Freight on all orders for Bicycles.

BOLTS AND NUTS.



STAY END SCREWS,

Genuine B.S.A. 4d. each.



MUDGUARD CROWN SCREWS,

3d. each.



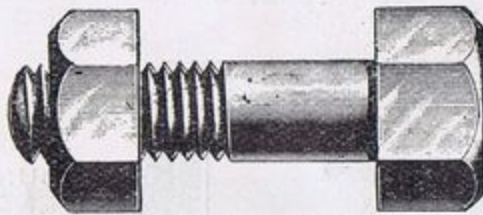
CHAIN WHEEL SCREWS,

Pattern, 3d. each. B.S.A., 4d. each.



51/19—PLATED ROUND OR CHEESE HEAD BOLTS WITH HEXAGON NUTS.

Diam.	1/2 in.	3/4 in.	1 in.	1 1/2 in.	2 in.	2 1/2 in.	long
1-8 in.	1d.	1d.	2d.	2d.	3d.	4d.	Each
"	9d.	9d.	1/6	1/6	2/-	2/9	{1 doz. or more
5-32 in.	1d.	1d.	2d.	2d.	3d.	4d.	Each
"	9d.	9d.	1/6	1/6	2/-	2/9	{1 doz. or more
3-16 in.	1d.	1d.	2d.	2d.	3d.	4d.	Each
"	9d.	9d.	1/6	1/6	2/-	2/9	{1 doz. or more



Whitworth Engineers' Bolt and Nut.

WHITWORTH ENGINEERS' BOLTS AND NUTS.

STANDARD SIZES AND THREADS.

Diam. of Bolt	1 in.	1 1/4 in.	1 1/2 in.	1 3/4 in.	2 in.	2 1/4 in.	2 1/2 in.	2 3/4 in.	3 in.	3 1/2 in.	4 in.	Length Under Head.
3-16 in.	2d.	2d.	2d.	3d.	4d.	...	...	...	...	...	...	Each
"	1/6	1/6	1/6	2/3	3/-	...	...	...	...	...	...	{1 doz. or more
1-4 in.	3d.	3d.	4d.	4d.	5d.	5d.	5d.	6d.	6d.	7d.	7d.	Each
"	2/6	2/6	3/-	3/-	3/9	3/9	3/9	4/6	4/6	5/3	5/3	{1 doz. or more
5-16 in.	4d.	4d.	5d.	6d.	6d.	6d.	7d.	7d.	8d.	9d.	10d.	Each
"	3/-	3/-	3/9	4/6	4/6	4/6	5/3	5/3	6/-	7/-	7/6	{1 doz. or more
3-8 in.	5d.	6d.	6d.	6d.	7d.	8d.	8d.	8d.	9d.	9d.	11d.	Each
"	3/9	4/6	4/6	4/6	5/3	6/-	6/-	6/-	7/-	7/-	8/6	{1 doz. or more
7-16 in.	5d.	6d.	6d.	7d.	8d.	8d.	9d.	9d.	10d.	11d.	1/-	Each
"	3/9	4/6	4/6	5/3	6/-	6/-	7/-	7/-	7/9	8/6	9/-	{1 doz. or more
1-2 in.	...	...	...	...	9d.	9d.	10d.	10d.	10d.	1/-	1/-	Each
"	...	...	...	...	7/-	7/-	7/9	7/9	7/9	9/-	9/-	{1 doz. or more



NUTS.

Size.	Engineers' (Bright).	Pattern Plated.	Plated Extra Heavy.	B.S.A. Plated.
3-16 in.	...	2d.	...	1d.
1-4 in.	...	2d.	...	3d.
5-16 in.	...	3d.	...	*3d.
3-8 in.	...	3d.	...	†3d.
7-16 in.	...	4d.	...	6d.
1-2 in.	...	5d.	...	6d.
9-16 in.	...	7d.	...	—
5-8 in.	...	7d.	...	—

*Bicycle Front Wheel.

†Bicycle Back Wheel.

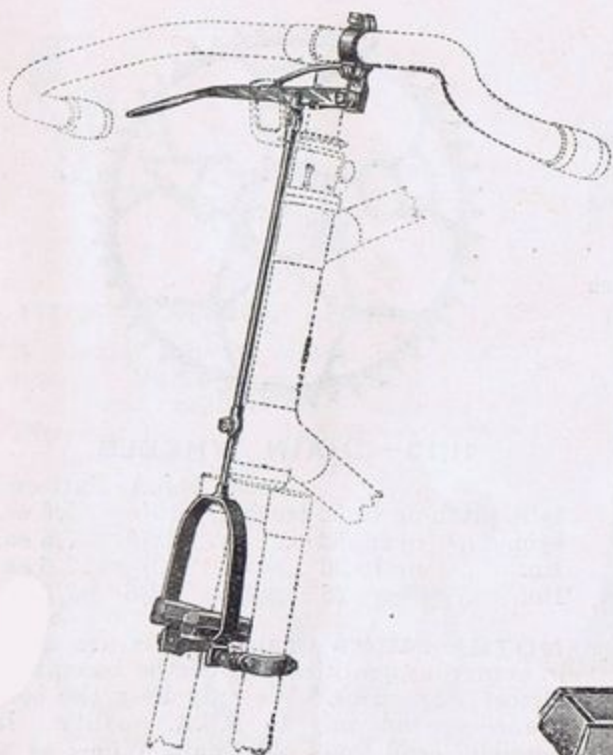
CASTELLATED NUTS, 3-8 in. x 24 Thread, 1/- each.



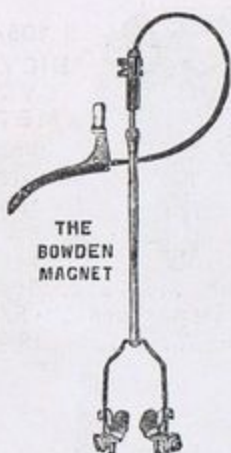
ASSORTED MACHINE SCREWS AND NUTS.

This assortment contains one-half gross of well chosen machine screws and nuts. They are nicked, and have round heads. The screw sizes are Nos. 6, 8 and 10 in lengths of 1/2, 3/4, 1, 1 1/4 and 1 1/2 inches. The screws in the assortment are of high grade stock—threads are accurately cut—hexagon nuts close fitting. 3/9 per box.

Owing to varying Threads and Sizes, send old Bolt or Screw as sample when ordering.



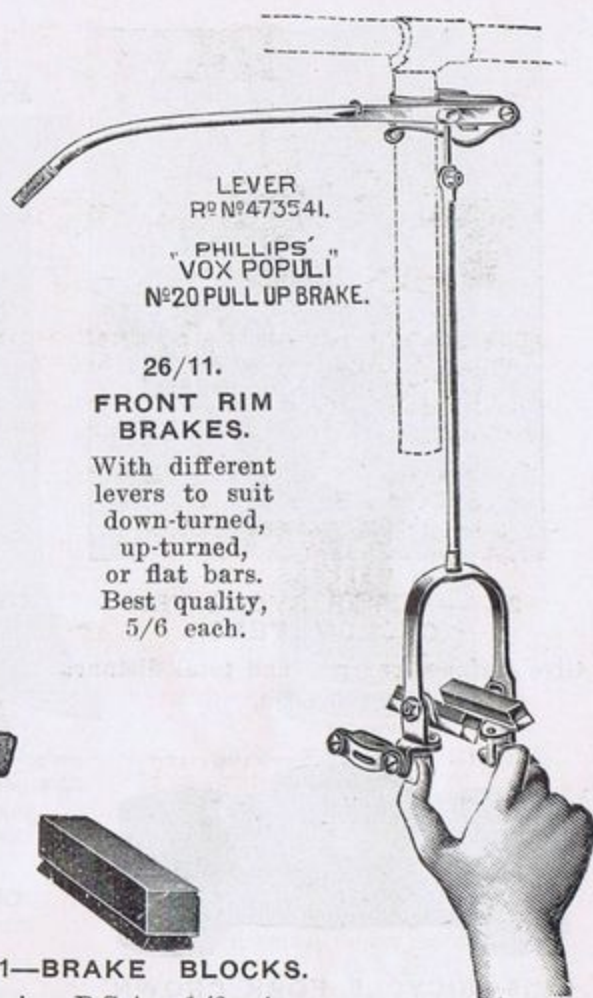
27/11.
GENUINE B.S.A. FRONT BRAKE.
For all shape bars. 15/- each.



THE BOWDEN MAGNET
24/11.
BOWDEN MAGNET BRAKES.
Suits any shape bar.
Front, 7/6 ea. complete
Rear, 10/- ea. complete



35/19.
BRAKE SHOES—Complete with bolt and nut. 9d. each.



LEVER
R^o N^o 473541.
"PHILLIPS' VOX POPULI"
N^o 20 PULL UP BRAKE.

26/11.
FRONT RIM BRAKES.

With different levers to suit down-turned, up-turned, or flat bars. Best quality, 5/6 each.



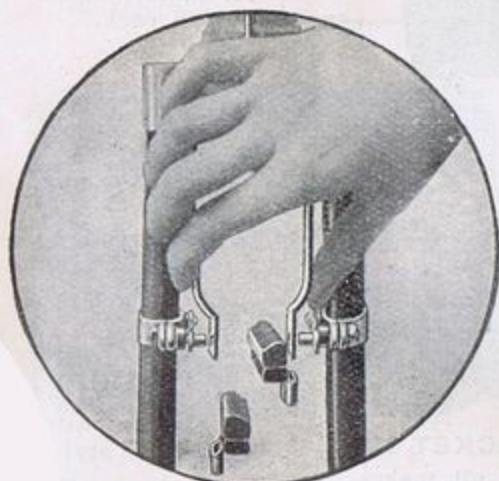
34/11—BRAKE BLOCKS.
Genuine B.S.A. 1/6 pair.
Best quality .. 1/- pair.

We do not stock the cheaper lines, as they give no wear.

We Pay the Freight

We can always offer you
EXCEPTIONAL VALUE in
SECOND-HAND BICYCLES . MOTOR CYCLES or CARS

Write for Latest List, stating your requirements



36/11—Front Rim Brake.
Showing method of detaching B.S.A. Shoes.
Takes very little time.



9/19.
MOTOR CYCLE BRAKE BLOCKS.
For every make of Motor Cycle.
2/6, 3/-, 3/6, 4/- each.

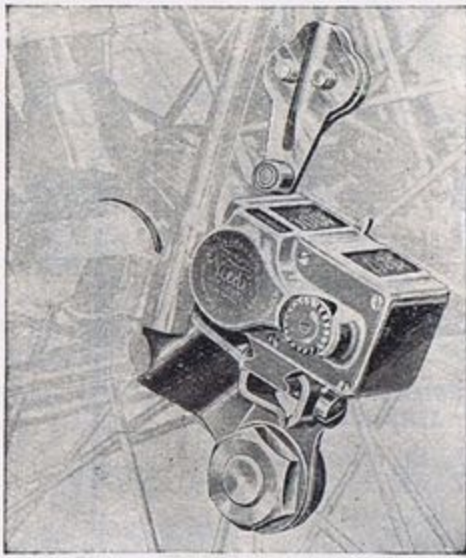


29/19.
BRAKE FORK CLIPS.
9d. each.

BRAKE PARTS

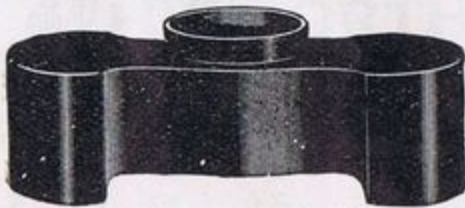
	B.S.A.	Pat-tern.
Pull-up Levers ..	4/6	1/6
Lever Spring ..	6d.	4d.
Down Rods... ..	1/6	9d.
(adjusting)		
Adjusting Clip ..	1/3	6d.
(takes draw-bolt)		
Down Tube... ..	2/9	1/3
(includes clip)		
Stirrup, Complete with Peg ..	3/-	1/6
Shoes	1/3	9d.
„ Pads or Rubbers	9d.	6d.
Fork Clips	1/6	9d.
Bolts and Nuts for Shoes	6d.	3d.
Rod Joint Yokes ..	1/-	—
Handle Bar Clamps	1/-	9d.

When ordering Brake parts, send sample—there are so many Sizes and Patterns.



27/8—MOTOR CYCLE TRIP CYCLOMETERS.

Give distance per trip and total distance.
22/6 each.



43/13—BICYCLE FORK CROWN.

For B.S.A. and Standard English Machines.

B.S.A. 7/6 each.
Pattern. 4/6 each
Not fitted.



21/13.

REAR HUB CONE.

Genuine B.S.A. 1/3 ea.
Pattern B.S.A. 9d. ea.



22/13.

FRONT HUB CONE.

Genuine B.S.A. 1/- ea.
Pattern B.S.A. 6d. ea.



20/19—ODD SIZED CONES.

We have a large assortment of cones—all sizes and threads. Send your old one as a sample.



15/13—BOTTOM BRACKET CUPS.

We have Cups to suit all makes of Bicycles. Please send old one as a sample when ordering.

B.S.A. 2/- each.
Pattern. 1/6 each.



45/19. HUB CUPS.

Stocked in various sizes and styles.

B.S.A. Pattern.
Back wheel, 1/3 ea. 9d. ea.
Front wheel, 1/- ea. 6d. ea.



105/17. BICYCLE CYCLO-METER.

A most useful accessory for recording distance travelled.

Veeder 10/- each
New Departure ... 8/6 "
Veeder Trip 18/6 "



34/19. CYCLOMETER STRIKERS.
1/6 each.



92/25. CYCLOMETER BRACKET.
1/6 each.



102/13—LOCK RINGS FOR COTTERLESS BRACKET
—Standard Pattern B.S.A., nickel plated, 1/- each.



11/13—CHAIN WHEELS.

	B.S.A. Pattern	
1/2 in. pitch up to 52 teeth ...	10/-	5/6 ea.
1/2 in. " over 52 " ...	12/6	7/6 ea.
1 in. " up to 26 " ...	10/-	5/6 ea.
1 in. " over 26 " ...	12/6	7/6 ea.

NOTE.—Pattern Chain Wheels are made in numerous qualities, and can be bought at almost any price. We only keep the best grade—second only to B.S.A. quality. If possible, send your old Chain Wheel as a Sample.

We also have a large stock of solid centre Chain Wheels for odd jobs.

CRANKS

Right	Left
B.S.A. 15/-	10/6
Pattern 5/6	4/6
each.	



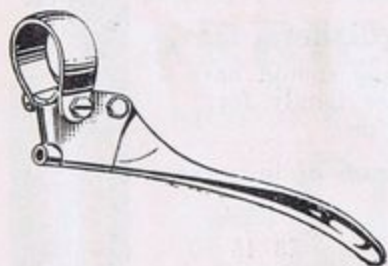
66/28—MAGNETO CUT-OUTS.

Complete with clip for handle bars.
3/6 each.



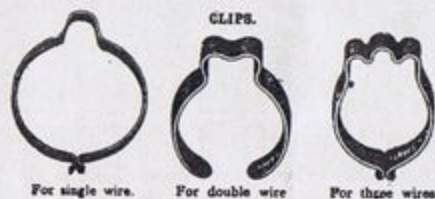
40/10—CHAIN LUBRICANT.
The best chain grease. 9d. tube.

We pay the Freight on all orders for Bicycles.



113/26—CONTROL LEVER.

A popular type of central pull lever. Made from pressed steel, and suitable for valve lifter brake, etc. Length of lever 4½ in.; pull ¾ in. 5/6 each.



27/13—BOWDEN FRAME CLIPS.

4d. each.

Aluminium Bands, 3d. and 6d. each.

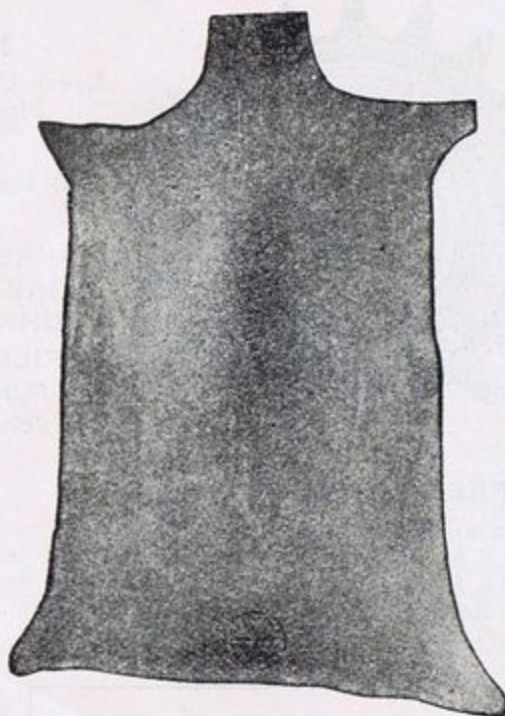


53/12.

ALUMINIUM FRAME CLIPS.

For holding loose wire in position. 5in., 3d. each. 7in., 6d. each.

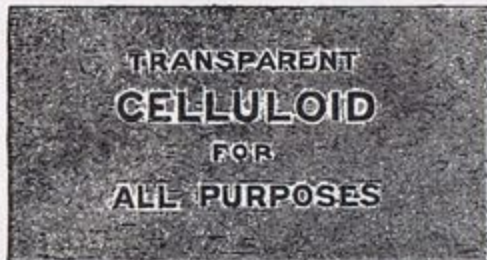
We are OPEN EVERY FRIDAY EVENING from 7 to 9.



90/19—CHAMOIS SKINS.

Used for cleaning and polishing Automobiles and Accessories. Highest quality, and will positively stay soft.

17in. x 16in. .. 4/- each.
23in. x 24in. .. 8/- each.



75/19—CELLULOID.

Best quality only. 3/6 per sq. foot.



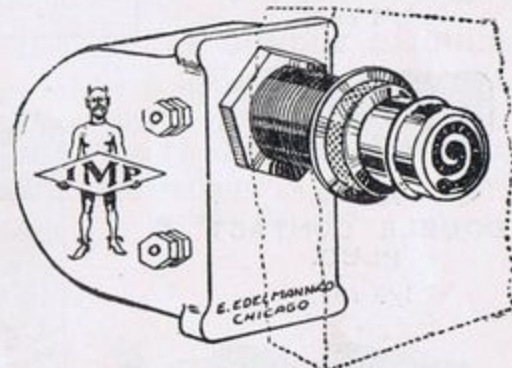
56/6—FRENCH CHALK.

This should always be used when fitting new covers or tubes, or repairing same.

In small round tins, cycle outfit size, 3d. each.

In small flasks, screw top, 6d. each.

In 1lb. tins, 1/3 each.



78/18—CIGAR LIGHTERS.

Easily attached to dash, equipped with 12 feet cord, enabling passengers in rear to use. Immediately the heating element is pulled from dash a hot, glowing contact is available. By removing heating element and replacing with bulb you have a good trouble lamp.

Caseo-lite, No. 350 17/6 each
Caseo-lite, No. 501 25/- "



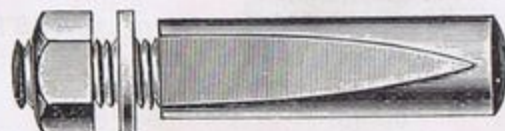
11/19—HARD CEMENT.

For fixing Solid Cycle Tyres, Perambulator Tyres, Handle Grips, Band Saws, etc. 1/- per box.



109/12. JOHNSON'S CARBON REMOVER.

Keeps your engine young. 3/6 and 5/- per tin.



78/11—CRANK COTTER PIN. Genuine B.S.A., 1/- each complete. Pattern B.S.A., 6d. each complete.

Chamois Skins shown are exceptional in quality—very thick.

Electric Connections and Adapters.



110/14.

RECEPTACLE NO. 17.

Designed for installing in lamps with the aid of two brass check nuts. 2/- each.



68/19.

SUITABLE FOR OAKLAND HEAD LAMPS.

1/6 each.



92/19.

LAMP SOCKET.

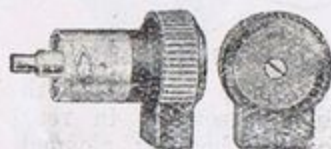
1/6 each.



92a/19.

DOUBLE CONTACT PLUG.

1/6 each.



92b/19.

SUITABLE FOR INDIAN AND OTHER TAIL LAMPS.

1/6 each.



69/19.

LAMP AND SWITCH SOCKET.

1/6 each.



6/13—FREE WHEEL CLUTCH.

Stocked in all sizes, 1/2 in. or 1 in. pitch. Genuine B.S.A., up to 18 teeth, 8/6 each. Genuine B.S.A., over 18 teeth, 10/- each. Cheaper Clutches, 5/- each.

Bicycle Cranks

Stocked in Genuine B.S.A. and Williams. B.S.A. are made and finished off in the usual high-class manner. Williams are second only to B.S.A., and are guaranteed made of the finest steel correctly tempered.

	Right.	Left.
Genuine B.S.A. ..	15/-	10/6 ea.
Williams ..	5/6	4/6 „

Stocked in two sizes, 6 1/2 in. and 7 in.



2/6—MANDER'S BEST COLOURED ENAMEL.

Stocked in all colours.

1/9 per tin.

1/6—MANDER'S BEST AIR-DRYING BLACK CYCLE ENAMEL.

Small tins, 1/-; large tins, 1/9 each.

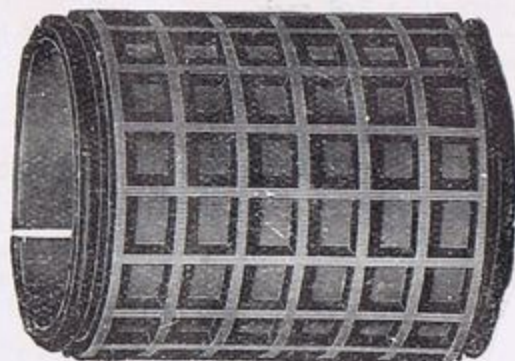
69/19.

Fire Extinguishers.

Every Car and Garage should have a Fire Extinguisher handy for instant use.

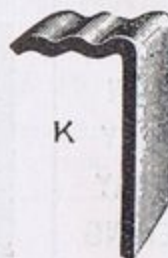
It is the cheapest means of insurance.

	Each.
PYRENE	£3 15 0
FIRE GUN	£3 15 0
JOHNS MANVILLE	£3 15 0
REFILLS—	
Pyrene	13/6 each.
Johns Manville	16/- each.



64/13—FRAME GUARDS.

Best quality Rubber. 9d. each.



K

ALUMINIUM EDGING.
L-shaped. Greatly improves appearance of running-boards.
6/- per 6ft. length.

Forks.

When ordering forks please forward old forks as a Sample.

If unable to do this, carefully measure the length of stem and mention size of wheels.



24/10.

BICYCLE FRONT FORKS.

B.S.A., complete, £1/12/6. Pattern, complete, £1/-/-.

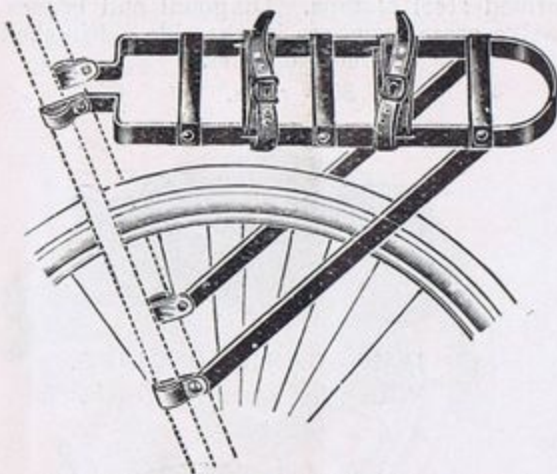
When ordering Electric Fittings, send sample, otherwise wrong fittings may be sent you.

**BEST SELECTION IN N.Z. IN
CARRIERS**
for
BICYCLE, MOTOR CYCLE or CAR



**LUCAS
SPRING CARRIER
No. 70
OPEN.**

22/10—LUCAS SPRING CARRIER.
This spring carrier when opened grips firmly any parcel placed in it. It is light in weight, and unobtrusive when fixed on machine. Quickly attached to handlebar or top tube. 4/6 each.



108/19—THE ATLAS (15½ by 6 ins.).
A strong carrier suitable for heavy work and being of large size is a most useful type for tradesmen or general purposes. Extra strong nickel plated clips, 30-inch best quality leather straps. 5/- each.



2/10—THE "FIXEASY."
Superior pattern with four cross bars and strong hinge plate. A really first-class carrier. Light in weight and fixed without tools, hence a great favourite with lady cyclists. Two best quality leather straps, nickel plated fittings, wing nut clips. 3/6 each.



**114/19.
THE "IDEAL" FRONT
CHILD CARRIER.**

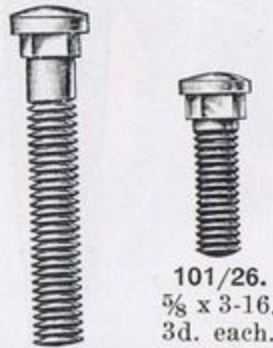
Enamelled black, with wicker chair and safety straps. Can be attached and detached in a few minutes. By removing wicker work, makes splendid carrier. 22/- each.



**112, 113/19.
THE "TAKEACHUM"**

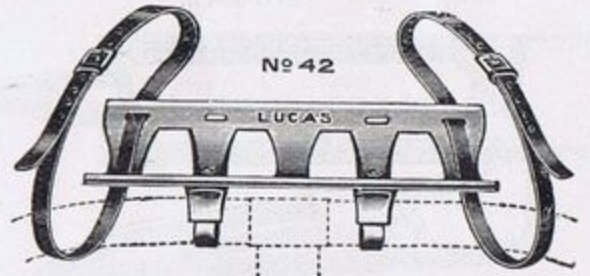
Spring Seat or Rear Child Carrier.
The very thing for taking a child to school, on country rambles, etc. Note particularly the hand-rail for security. Suitable for ladies' or gent.'s bicycles. Easily fitted. 20/- each.

**All Luggage Carriers are
Complete with Straps.**



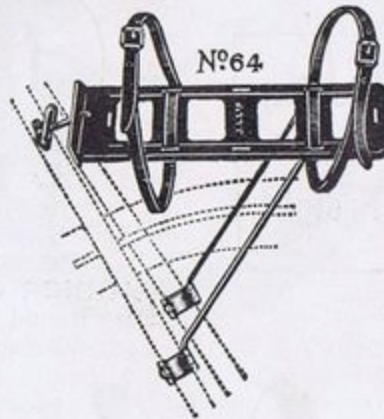
**101/28.
CARRIER
SCREWS.
1¾ x ¼.
4d. each.**

**101/26.
5/8 x 3-16.
3d. each.**



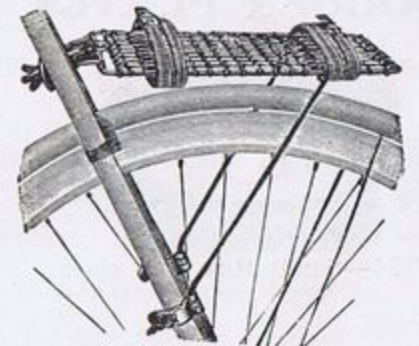
17/10—LUCAS BUNDLE CARRIER.

This carrier is light in weight and appearance, and fits firmly on the handlebar by means of the Lucas band clip. Admirably adapted for carrying a cape or similar parcel. 6/- each.



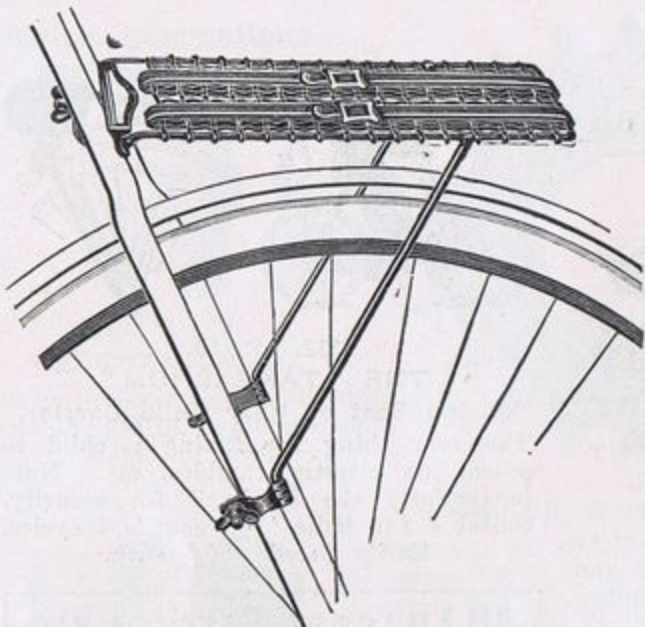
**13/10.
LUCAS CYCLE CARRIER.**

The best. 8/9 each.
Light in weight and easily fitted.



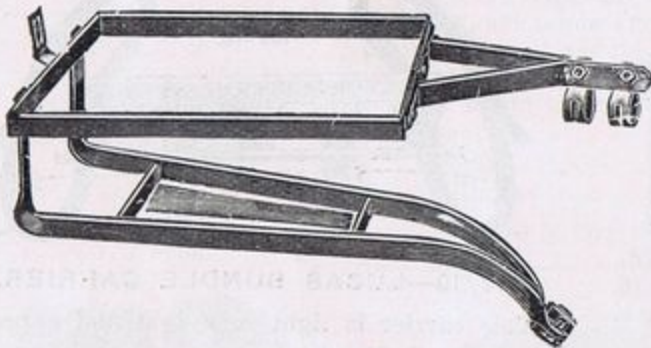
105/10—THE COURIER—A very neat and strong Wire Mesh Carrier. Corrugated and closely woven 13-gauge wire, giving great strength. Wing nut clips and centre screw fastening. Two good quality leather straps and plated fittings. Size 13½ x 5½. 4/6 each.

We have the best selection of Carriers for Bicycles, Motor Cycles, or Cars.



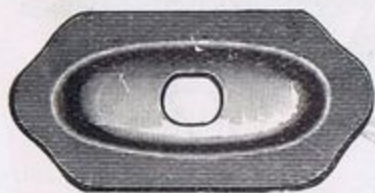
3/10.
BLUEMEL'S CLIP-ON CARRIER.

This carrier is the easiest attached of any we stock, and at the same time will give you ample strength and service.
6/6 each.



110/19.
THE "IMPROVED" TRADESMAN'S CARRIER.
Fitted with two top tube clips and mud shield. Fits any bicycle. Size, 18in. x 12in. inside measurement.
15/- each.

CARRIER PLATES



107/26—Small Size, 3d. each.

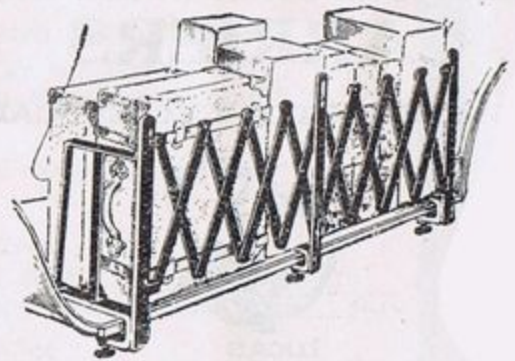


102/28—Large Size, 4d. each.

**We Pay
the
Freight**



6/20.
**MOTORIST'S
FILE.**
6" long. 1/3 each.



120/14.
STANDLEY LUGGAGE CARRIERS.

Model A (as illustration).
Pressed steel clamps with centre supporting standard. Square box ends. Sixteen cross members in the side. Finished black enamel.
27/6 each.
Model B.
Formed steel clamps. Diagonal end braces. Twelve cross members in the side. Finished black enamel.
20/- each.



18/19—CARRIER CLIPS.
With wing nut. 6d. each.



21/19—CARRIER CLIPS.
For Oval Stays.
4d. each.



21a/19—CARRIER CLIPS.
For D-shaped Stays.
4d. each.



98/26.
CARRIER CLIPS.
For Round Stays.
4d. each.



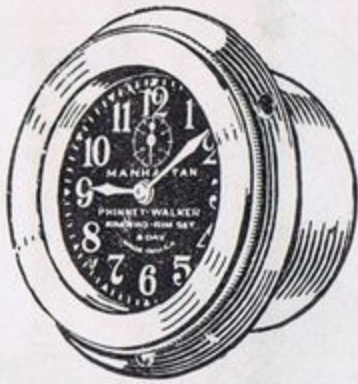
65/14, 66/14—WING NUTS.
For Carrier Clips.
3-16in., 2d.; 1/4in., 3d. each



138/19.
BICYCLE REPAIR CANVAS.
Specially prepared. 2/- per sq. ft.

You should always use French Chalk when fitting tyres or tubes.

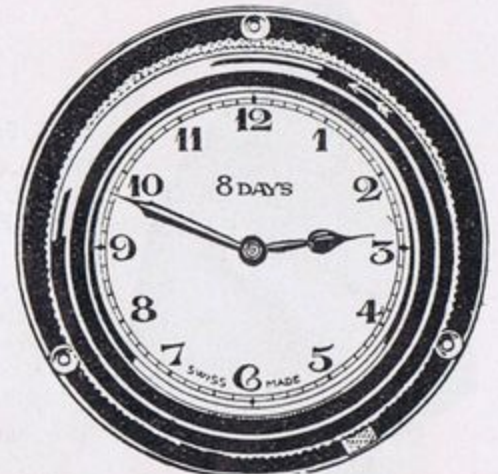
MOTOR CLOCKS



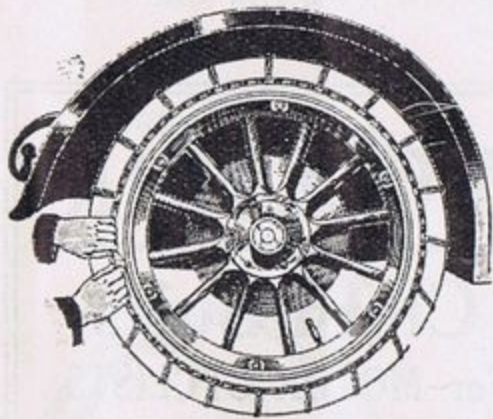
124/17 — THE MANHATTAN MOTOR CLOCK — Big and important looking—just the clock to keep company with high-grade instrument board equipment. Tells the right time for 24 hours every day. Easy to wind and set. Black dial, white numerals. Finished in black lacquer. Size of hole required, 2 15-16in. 70/- each.



7/20—SMALL 8-DAY DASHBOARD CLOCK—A replica of Model 8/20, possessing the same essential features, differing only in size. Silver dial. Diameter of dial 2", overall diameter 3". £3/12/6 each.



9/20 — "HIWA" 8-DAY DASHBOARD CLOCK — The cheapest Bezel-wind 8-day dashboard clock. Easily fitted by three screws without drilling or cutting the dash. A reliable jewelled lever movement with separate escapement is fitted in well finished flush fitting nickel plated case. Diameter of dial 2 5/8", overall diameter 3 7/8", depth from dashboard 5/8". £3/-/- each.



7/24. WEED NON-SKID TYRE CHAINS FOR CARS.

We have these in the following sizes:

30 x 3 1/2	33 x 4
31 x 4	34 x 4
32 x 3 1/2	810 x 90
32 x 4	815 x 105

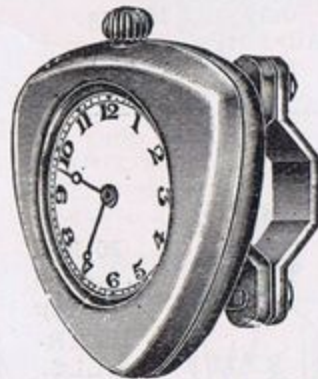
Cross chains are made of special annealed wired stock, smoothly welded, case hardened yet not brittle. Side chains are case hardened, and strong enough to withstand great tension. Set consists of two chains packed in brown bag.

Ford Size (30 x 3 1/2) .. per pair 30/-
All other sizes .. " 37/6
Special for Motor Cycles (28 x 3), 20/- each.

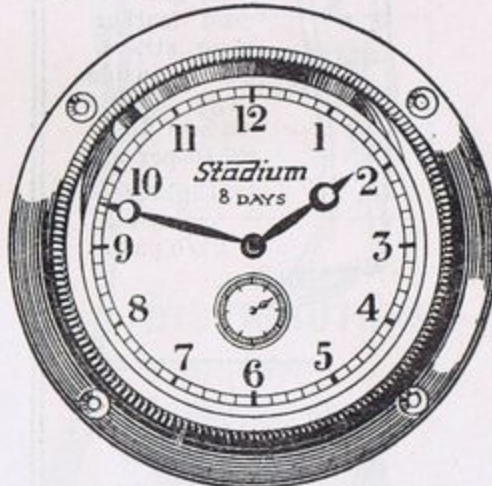
SPECIAL CHAINS FOR BALLOON TYRES. Each.

27 x 3.85 (Motor Cycle)	..	20/-
31 x 4.40	..	40/-
21 x 4.95	..	42/6
34 x 5.77	..	52/6

With our large assortment of chains it is possible to fit almost any wheel.



98/18—MOTOR CYCLE WATCH— Good, reliable Watch, plated or gun-metal case, round or heart shape. Fits any handlebar. 20/- ea. 20/- each.



8/20—8-DAY DASHBOARD CLOCK —High quality Swiss 8-day jewelled movement in handsome case with Bezel wind. A special release prevents possibility of overwinding. Easily fitted by three screws. Specially constructed to withstand vibration and variation of temperature. Diameter of dial 3", overall diameter 4 1/8", depth from dash 5/8". £3/12/6 each.

Chain Sizes of Popular Motor Cycles

Chain Sizes.	Code Letter.
1/2 x .305" or 1/2 x 5-16	-----A
5/8 x .255" or 5/8 x 1/4	-----B
5/8 x .380" or 5/8 x 3/8	-----C

B.S.A.

The number below gives the number of links required and the letter indicates the size as per code above.

	Front Drive.	Rear Drive.
2.49 H.P.	-----58A	-----110A
3.49 " S.V.	-----50B	-----96B
3.49 " O.H.V.	-----63A	-----96B
4.93 " "	-----66A	-----95B
4.93 " O.H.V.	-----71A	-----96B
7.70 " "	-----56C	-----97C
9.86 " "	-----55C	-----102C

INDIAN.

Prince	-----58B	-----96B
Scout	-----	-----97C
Super Chief	-----	-----97C
Standard	-----59C	-----97C

HARLEY-DAVIDSON.

2 3/4 H.P.	-----58B	-----88B
7-9 " "	-----78C	-----98C
10-12 " "	-----78C	-----98C

TRIUMPH.

2-Stroke	-----43A	
Model P.—		
3 1/2 H.P.	-----52B	-----89B

DOUGLAS.

2 3/4 H.P. E.W.	-----78A	-----112A
-----------------	----------	-----------

We have a great variety of Motor Clocks to choose from.



46/6.
**DUNLOP
CYCLE
CAPE.**
Of extra
heavy
material,
finished
glazed
black.
30/- each.



67/20.
FOOTRESTS.
For Pillion Riding.
Universal fitting. Folds
out of way when not in
use.
7/6 pair.



48/6—**MOSELEY CAPES.**
The very best. Afford complete pro-
tection for rider and machine.
36", 15/-; 42", 17/6 each.



70/24.
**WATER-
PROOF
OVER-
ALLS.**
Of heavy
material,
with
metal clip
at gaiter
and leather
foot straps.
Sizes (inside
leg), 29in.,
31in., 33in.
23/6 per pr.
Lighter
material,
21/6 pair.

132/19—**MOTOR CYCLE GARMENTS.**
English manufacture, of strong double texture tan
twill, giving perfect protection from heaviest rain.
Well finished and strongly made. As illustrate.
Coats £2/13/6 £2/7/6 each
Seatless Trousers .. £1/12/6 £1/7/6 pair
Stocked in various sizes.
When ordering give height.

**ALWAYS
THE
LATEST
IN
MOTOR
CLOTHING**

MOLESKIN

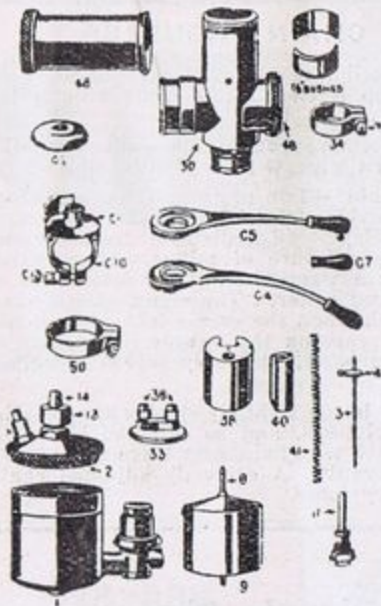
Cloth Suits For MOTOR CYCLISTS

THESE suits are for motor cyclists
who require something better
than the ordinary. In appearance
they are superb. Made of refined
dark brown moleskin cloth, in smart
double-breasted style, with big
warm storm collar and throat strap,
wind-proof inner cuffs, deep flap-
covered pockets, buckle buttons.
THE ENTIRE SUIT IS LINED
INSIDE WITH RUBBER, making
it positively rain-proof. Seatless
trouser overalls, gusseted with
patent fasteners and leather foot
straps. A warm, good-looking,
rain-proof motor-cycling suit, which
will render exceptional service.
You should SEE it!

£4-19-6

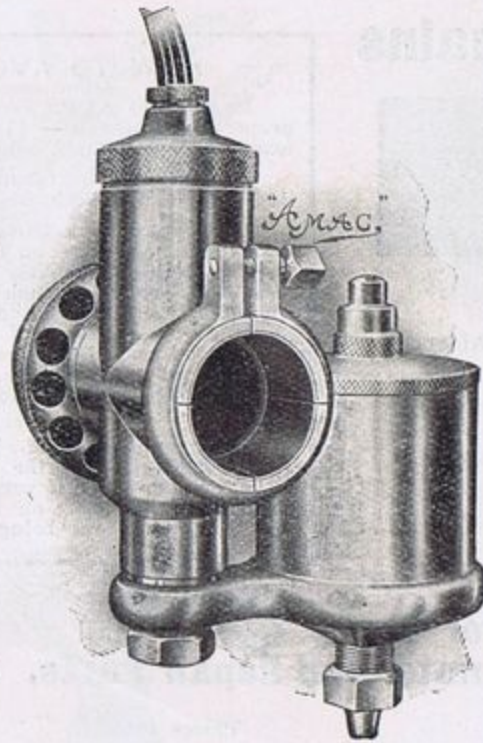
Helmet to match, same material—
15/- extra.

We have a large stock of Bicycling and Motor Clothing.

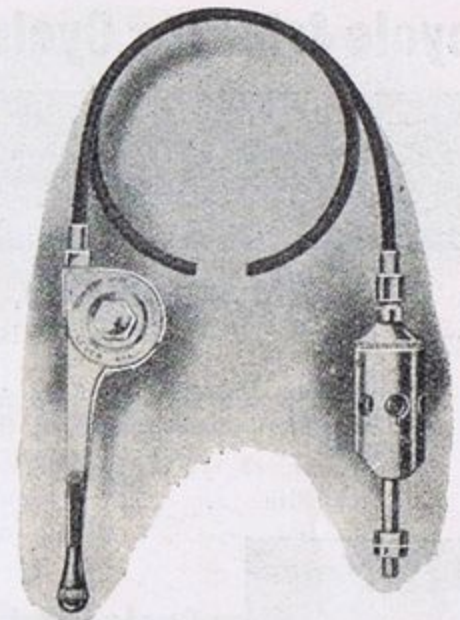


63/17—CARBURETTOR PARTS.

We carry full stocks of these for all makes of Carburettors. Send us your enquiries.



9/8—AMAC CARBURETTORS.
Suit 2 1/4 B.S.A. and similar Motor Cycles. Complete with controls. 55/- each.

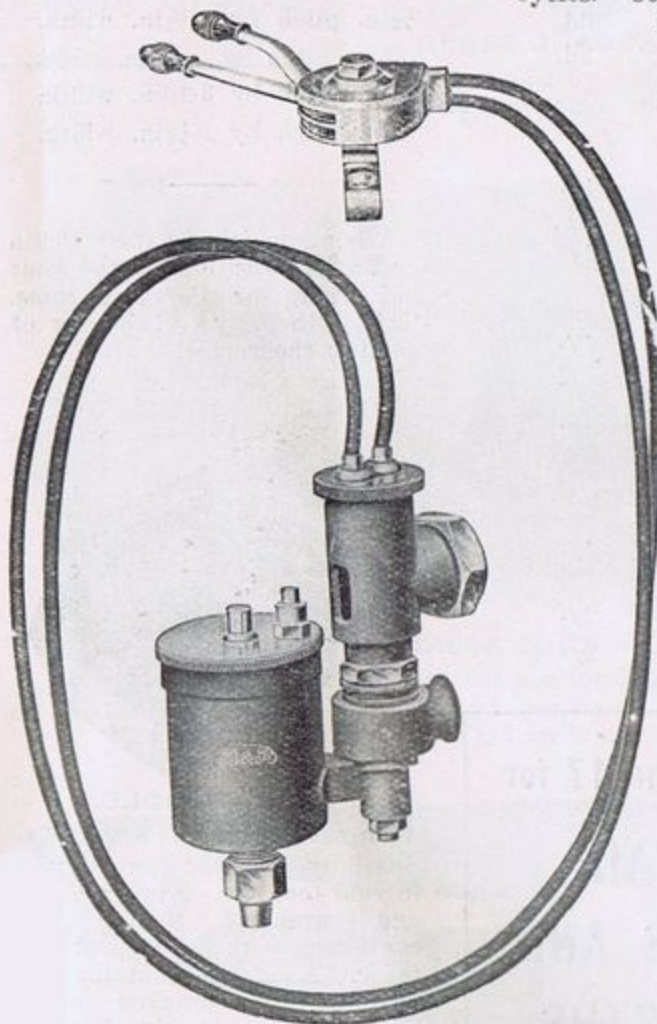


19/55—BOWDEN EXTRA AIRS For Carburettors.

The inlet permits the introduction of an infinitesimal gradation, the amount of air admitted being under the control of the driver. Many Carburettors can be greatly improved by the fitting of an extra air, and greater economy in running obtained.

When coasting downhill with throttle closed, the inlet, opened to its fullest extent, will effectively cool the engine and prevent oil from being drawn up past the piston. It is also an excellent air-brake—a brake that never fails.

Motor Cycle size 20/- each
Motor Car size 30/- each



1/8.

BROWN-BARLOW CARBURETTORS.

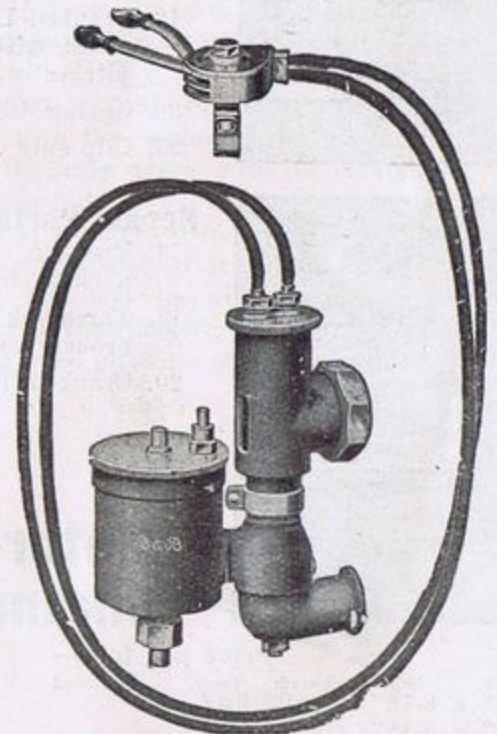
For 3 1/2 to 6 H.P. machines.
Complete with Controls. £2/10/- each.

Carburettors
33. SCHLEBLER CARBURETTORS.
Complete for Indians, £4/10/- each.
Carburettor Parts
We have good stocks of Floats, Needles, Jets, etc.

Sole
DISTRIBUTORS
for
Auckland Province
B.S.A.



**MOTOR
CYCLES**



2/8.

BROWN-BARLOW CARBURETTOR.

For smaller power engines,
about 2 1/4 H.P.
Complete, £2/5/- each.

Our stock of Carburettor parts is very complete.

Barnstormers Co. Nz

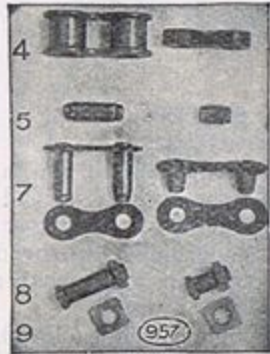
Bicycle & Motor Cycle Chains



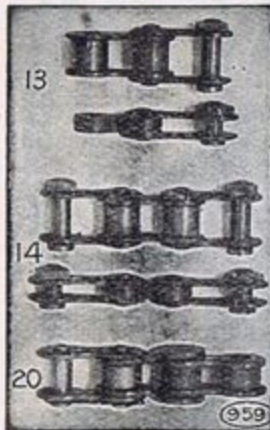
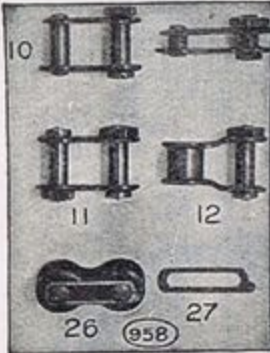
Bicycle Chains.

Stocked in Roller, Twin Roller and Block Patterns.

B.S.A.	.. .. .	12/6	each
Renold, New Pattern	.. .. .	10/-	"
Renold, Old	.. .. .	15/-	"
Brampton	.. .. .	6/6	"
Coventry	.. .. .	6/6	"
„ Elite	.. .. .	8/6	"



Cycle and Motor Cycle Chain Parts, Joints, and Repair Parts.



Description.	Prices for	
	Bicycle Chains.	Motor Cycle Chains.
Parts—		
4. Inner Link Complete	3d.	9d.
7. Outer Link Complete	4d.	6d.
8. Bolt and Nut	1d.	3d.
Joints—		
10. Ordinary Joint for a chain with an even number of pitches	6d.	1/-
11. Straight Detachable Joint with two bolts	6d.	1/-
12. Cranked Detachable Joint for a chain with an odd number of pitches	6d.	1/-
26. Spring Clip Joint	6d.	1/-
27. Clip only	1d.	2d.
Repair Parts—		
13. Two-link Part for lengthening a chain by two links	9d.	1/6
14. Three-link Part for repairing a broken inside link or roller	1/-	2/-
20. Cranked Three-link Repair Part	1/6	2/-

Motor Cycle Chains.

Price per foot—						
Pitch.	Width.	Duckworth.	Perry.	Diamond.	Renold.	Coventry.
1/2"	x 3-16"	.. .. .	4/-	.. .. .	.. .. .	.. .. .
1/2"	x 5-16"	.. .. .	.. .. .	.. .. .	4/6	.. .. .
5/8"	x 1/4"	4/6	.. .. .	.. .. .	6/-	5/-
5/8"	x 3/8"	5/-	.. .. .	.. .. .	6/-	6/-
3/4"	x 5-16"	.. .. .	.. .. .	.. .. .	.. .. .	7/6
3/4"	x 7-16"	.. .. .	.. .. .	.. .. .	.. .. .	10/-
1"	x 1/2"	.. .. .	.. .. .	.. .. .	.. .. .	12/6

HOW TO AVOID CHAIN TROUBLES.

In order to get the best possible results from a cycle chain on properly cut wheels—(1) Keep it clean; (2) Don't ride it too loose; (3) See chain wheels are in line.

To Keep Chain Clean.—Remove rough dirt with a brush; dust with a dry cloth, and then wipe with a slightly oiled cloth.

To Clean a Very Dirty Chain.—Two or three times a season, or after a very wet and dirty ride, take it off, soak it in warm paraffin for a few hours, and lay it on a plate to drain. Some semi-solid lubricant, such as a mixture of tallow and graphite, should be melted, and the chain warmed in it for some time at about the temperature of boiling water. The chain should then be removed and allowed to cool, when the excess lubricant should be wiped off with a cloth. Grease on the outside of a chain is of no value for lubrication purposes, and only serves to collect dirt.

Adjustment.—If the chain is too tight, it strains the bicycle. If too slack, it rides the wheel teeth, and so cuts the blocks or mars the rollers; or if very slack the chain may leave the wheels, or break by catching on the crank. A correctly adjusted chain runs freely without being very loose.

Bicycle Chains

Stocked in following sizes:—

- 1/2 in. pitch by 1/8 in. width.
- 1/2 in. pitch by 3-16 in. width.
- 1/2 in. pitch by 1/4 in. width.
- 5/8 in. pitch by 1/8 in. width.
- 1 in. pitch by 3-16 in. width.
- 1 in. pitch by 1/4 in. width.

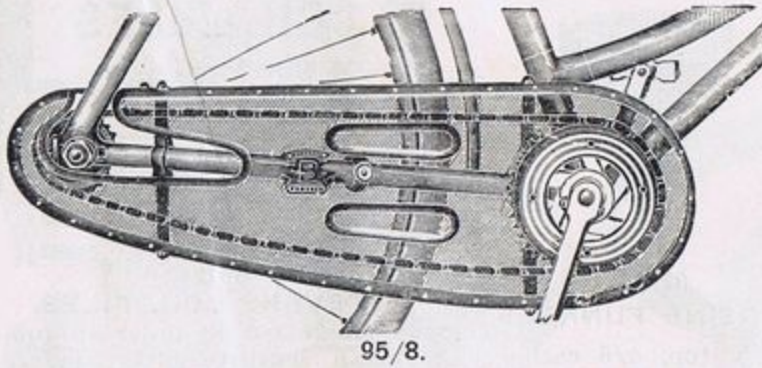
When requiring a new Chain or Parts, be sure and send your old Chain or Part of same. This is the only certain way of getting the correct Parts.



33/20—RENOLD Non-rattle Spare Parts Kits. Specially designed for carrying in your tool bag. Always handy and convenient. Strong metal containers with an efficient fastener. Each box contains connecting link—cranked double link—double connecting link and three spring clips for 1/2 x 5-16 chain. 4/- per box. Other sizes to come.

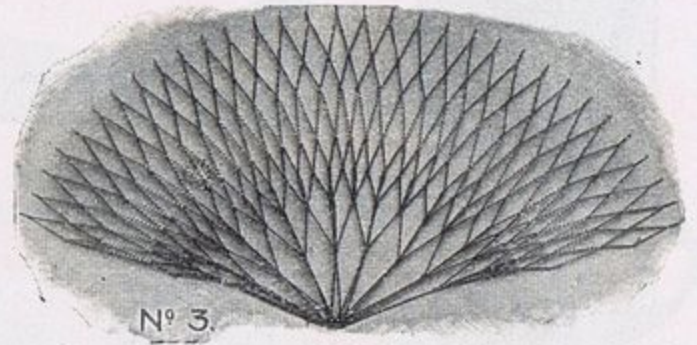
See Page 17 for **CHAIN SIZES AND LENGTHS**

IMPORTANT—Send old Chain part or portion of Chain when ordering Chain or parts.



95/8.
BLUEMEL FEATHERWEIGHT DETACHABLE CHAIN COVER.

A perfect Chain Cover, exceptionally light yet strong.
Easily fitted to any bicycle. 10/6 each.



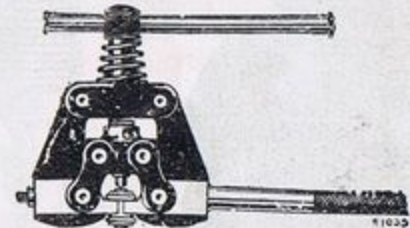
N^o 3.
89/8.
BICYCLE DRESS NETS, or GUARDS FOR LADIES' MACHINES.

Complete, ready for fitting.
Best quality 5/6 pair.
Medium quality 3/6 pair.

We pay Postage on all Cash Orders



23/8.
DRESS QUADRANTS.
Best quality plated.
Fit any machine. 6d. each.



99/18—**THE COVENTRY UNIVERSAL RIVET EXTRACTOR.**

This handy tool enables the rider to shorten, lengthen or repair his chain in a few moments without trouble, and should be carried by every motor cyclist. It is the most effective chain tool on the market.

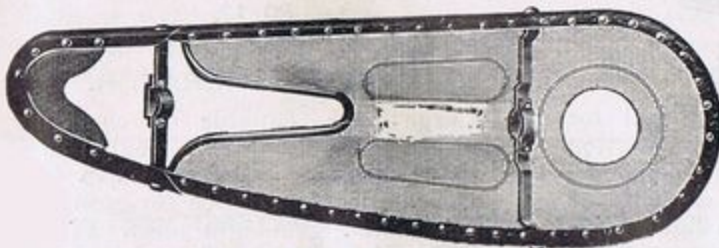
Exhaustive and thorough tests have been made under every conceivable condition to ensure that this extractor will quickly and easily perform its function, *i.e.*, that it will extract the rivets in a minimum time with the minimum effort and without damaging the inner plate, with the result that we now recommend it with confidence as the most serviceable and satisfactory motor cycle roller chain rivet extractor manufactured for the garage man and the rider. The leverage and gripping power is proportionate to the diameter of the rivet to be extracted and the punch is easily renewable.

8/6 each.



85/8—**BICYCLE DRESS CORD.**

In boxes containing enough for one machine.
Best quality .. 2/- per box.
Medium quality .. 1/6 per box.



93/8—**PLAIN CELLULOID CHAIN GUARD.**
Strong, serviceable; medium quality.
7/6 each.

COPPER TUBING.

	Per ft.
1/8" hole	6d.
3-16"	9d.
1/4" "	1/-
5-16"	1/3
3/8" "	1/3



86/20.
FISH TAILS.
For exhaust pipe ends.
Nickel plated.
1 5/8 dia., 5/-. 1 3/4 dia., 5/6 each.

Dress Cord and Dress Nets in all Colours and Black.



83/13.
COPPER FUNNELS.
With Strainer.
3/- each.



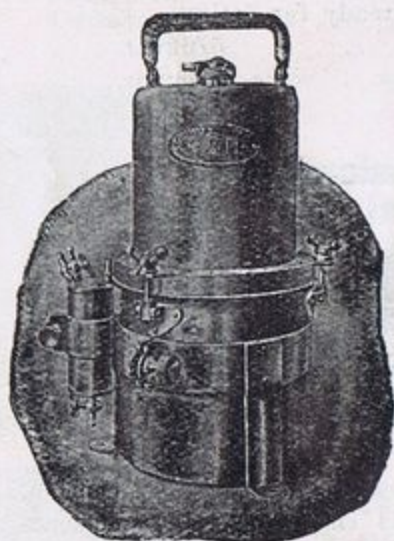
46/25.
CONTACT FILE.
2/- each.



82/24.
BENZINE FUNNELS.
6in. top, 4/6 each.
8in. top, 5/- each.



55/21.
STEVENS COIL FILES.
Is single cut in order to provide a sensitive filing surface for use on platinum points. Uniform in width, thickness and in temper. Has a solid handle.
1/- each.



49/27.
P. and H. CAR OR LORRY GENERATOR.

Capable of carrying a large amount of carbide. When fully charged, will supply 2 head lamps for 9 hours. Height, 14 $\frac{3}{8}$ in.; diameter, 9in.; weight, 8lb. 4oz.; finish, ebony black. £5/10/- each.



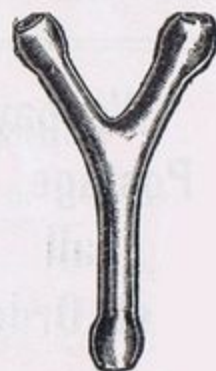
111/12.
BURNER SOCKET.
Less burner.
4/- each.



110/24.
KICK STARTER RUBBERS.
For B.S.A. Motor Cycles.
Prevents foot slip and barking of shins.
1/3 each.

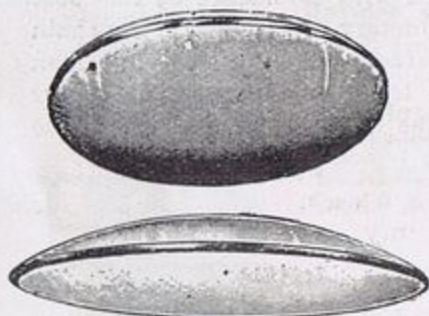


93/12.
GAS GENERATOR.
Small size, suitable for rear or sidecar lamp.
15/- each.



41/13.
TWO-WAY GAS CONNECTIONS.
Brass, 9d. each.

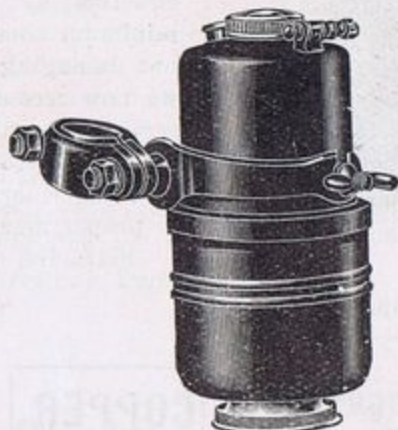
CARBIDE
Owing to Postal Regulations,
Carbide cannot be sent by post.
We do not pay freight on Carbide.



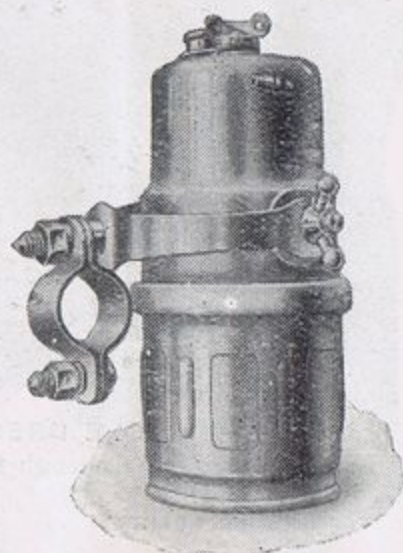
33/19.
LAMP GLASSES.

Lucas Calcia King ..	3 $\frac{1}{4}$ in.
" " Club ..	3 $\frac{1}{4}$ in.
" " Cadet ..	2 $\frac{3}{4}$ in.
" Aceta (not made now) ..	3in.
P. and H. Revenge ..	3in.
" Panther ..	3in.

1/- each.
Other sizes up to 5 9-16in.



77/28.
P. AND H. MOTOR CYCLE GENERATOR.
This model has a swivel bail for holding carbide chamber in position and a positive gas-tight locking device. It has a carbide capacity of 10oz. and will supply a light for 5 hours. Fitted with two-way gas tap. Height 8 $\frac{1}{2}$ "", diameter 3 $\frac{3}{8}$ "", weight 2lb. 3oz. Ebony with plated mounts.
20/- each.



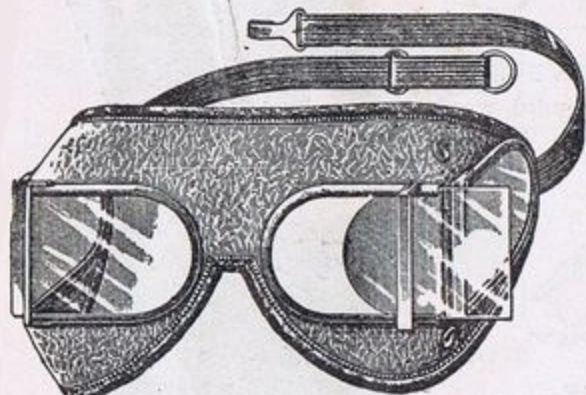
80/12.
P. and H. DE LUXE MOTOR CYCLE GENERATOR.
Large type, capable of carrying 9 $\frac{1}{2}$ oz. carbide. Has a double carbide container with a simple but positive locking device for ensuring an absolute gas-tight joint. Fitted with adjustable carrier and two-way gas tap. Height 8", diameter 3 $\frac{1}{2}$ "", weight 2lb. 6oz. Ebony with plated mounts.
25/- each.

We supply the best Generators.

Barnstormers Co Nz

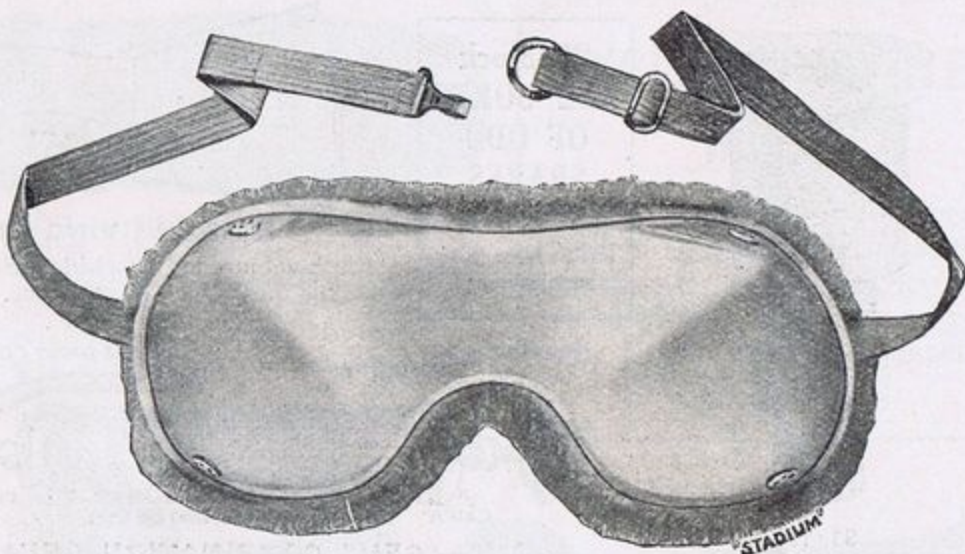
Goggles.

We have a splendid range of Goggles, and illustrate a few styles below.



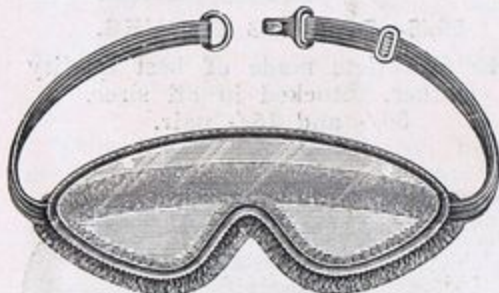
47/21—"ROYAL" GOGGLES.

Leather cloth mask—collapsible frames, removable glasses, lined silk with metal hinges. 4/6 per pair.



14/17—AVIATOR'S EYE SHIELD.

Made of strong, unbreakable and non-inflammable material. Gives the most unobstructed view of any goggle made. Exceptionally comfortable. 3/6 each.

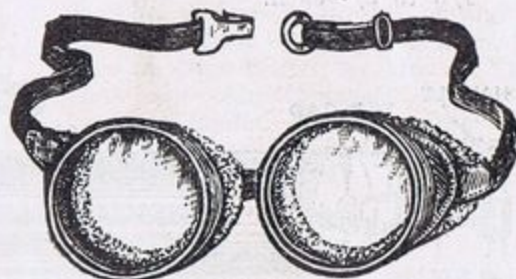


40/20—"PERFECTA" ANTI-GLARE GOGGLE—With green sun-protecting shade. Clear view, chenille edged. Very comfortable. Folds flat in your pocket. Made in England. 3/- each.



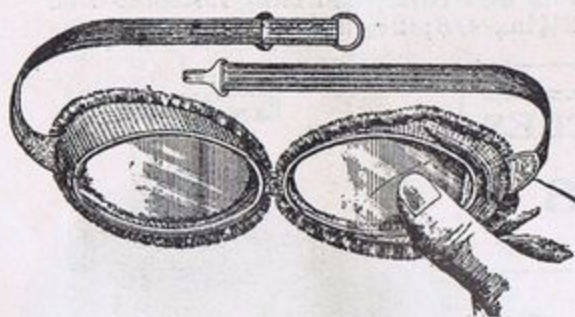
41/12.

With Leather Sides. Give ample protection. 5/- pair.



42/12.

Comfortable-fitting, Stiff Sides. 4/6 pair.



48/21.

COLLAPSIBLE GOGGLES.

A light wire frame shaped to face, silk covered, edged chenille leather nose bridge, oval glasses in nickel rims. 5/- per pair.

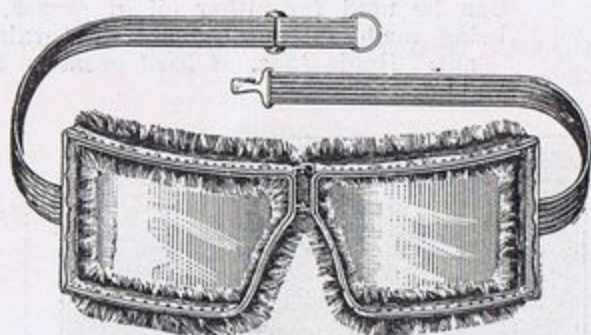


82/20.

RAIN GOGGLES.

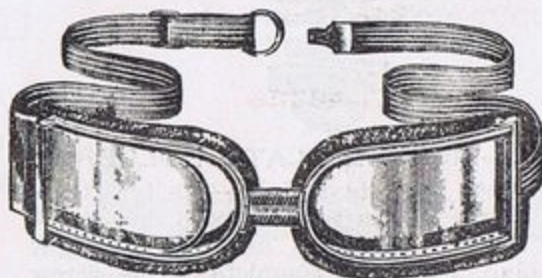
Metal slotted as in illustration. Used in place of glass. With these goggles it is possible to ride hard against a head wind and heavy rain without the eyes or clarity of vision being in the least affected.

5/6 each.



49/21—NICKEL FRAME GOGGLES.

Hinged centre and chenille edge. Fitted with best quality curved glasses. 5/6 per pair.

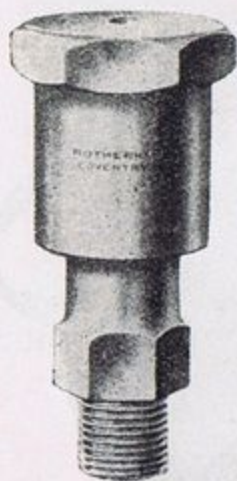


39/12.

Very Wide Range .. 6/6 pair.
With Oval Glasses .. 4/6 pair.

We can always offer you Exceptional Value in
**Second-hand BICYCLES
MOTOR CYCLES or CARS**
Write for latest List, stating your requirements.

We have a splendid range of collapsible Goggles.

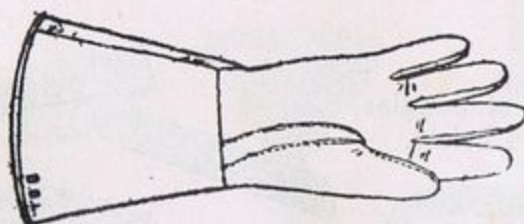


91/19.
GREASE CUPS.

Stocked in 14 different styles and threads. Send your old one as a sample. 1/3 to 3/- each.

We Stock ALL SORTS OF ODD SPARES

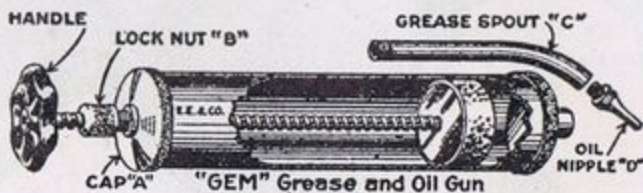
Let us have your requirements



73/13—DRIVING GLOVES.
Flesh-coloured Horsehide. Splendid wearers. The best for Winter use. 12/6 pair.

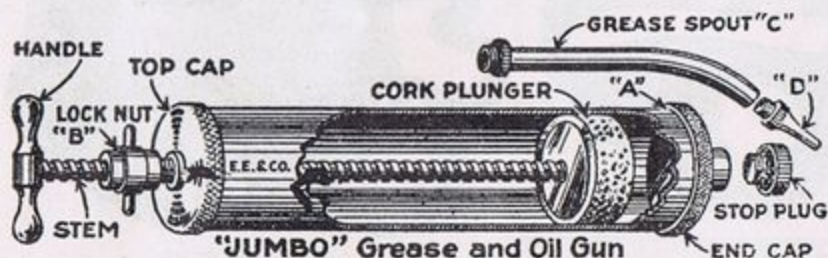


59/6—DRIVING GLOVES.
With Gauntlets made of best quality leather. Stocked in all sizes. 30/- and 15/- pair.



45/10—"GEM" COMBINATION GREASE AND OIL GUN.

The Barrel is made of heavy steel in an excellent gun-metal finish. It is a gun that can be carried in the tool box and is always ready for use. Equally suitable for grease or oil. 12/6 each.

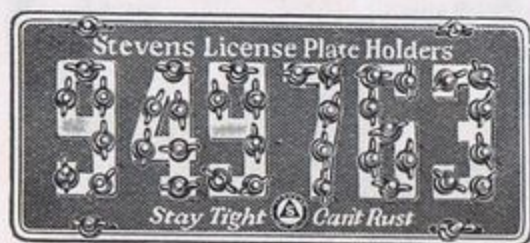


58/10—"JUMBO" COMBINATION GREASE AND OIL GUN.

Can be used for either oil or grease, the change being made instantaneously by turning a thumb nut. Holds 15oz. of hard grease. 17/6 each.



18/13—MOTOR CYCLE TYRE GAITER.
Fits over cover, and clips fasten to rim. 2 1/4 in., 4/6; 2 1/2 in., 5/-; 3 in., 5/- each.



159/19—LICENSE PLATE HOLDERS.
The Holder that stays tight—can't rattle—can't rust. It can't work loose and can't rattle because its parts make a stay-tight assembly. See how complete it is—screw with slotted head wingnut, leather washer and lock-nut. 4d. each.

SKEATES BICYCLES
from
£7-14-6
WRITE FOR CATALOGUE



71/19.
"LIFT THE DOT" FASTENERS.
The easiest and most satisfactory Snap Fastener made. Always holds securely, and is easily removed. 9d. each, complete.



26/13.
HOOD FASTENERS.
As per illustration. 9d. per set. 7/6 per dozen sets.
We have a wide range of buttons and fasteners for wood and steel. Send us your enquiries.

The Grease and Oil Squirts shown will save much time and trouble.

Bluemels
CELLULOID CYCLE HANDLES
 ASSORTMENT C

201 207
 203 210
 206 212

QUALITY GUARANTEED

130/12 — BLUEMELS CELLULOID CYCLE HANDLES.

- No. 201—Black fluted with red beads
 No. 203—Black fluted with gold beads
 No. 206—Black bird's eye centre with gold beads
 No. 207—Black Basket design with red beads
 No. 210—Black bird's eye centre with gold beads, wide ends
 No. 212—Black fluted with white beads, wide ends

2/- per pair.

These Grips are self-fixing, being coated with a special preparation which only requires to be wetted before placing on the handle bar.



35/20 — "SHOCKSTOPS" JUNIOR BICYCLE HANDLE GRIP—For $\frac{7}{8}$ bars only. Length $3\frac{3}{4}$ ". To fit, simply moisten inside with water and slip on bar whilst moist. Made of finest quality red rubber. 1/6 per pair.

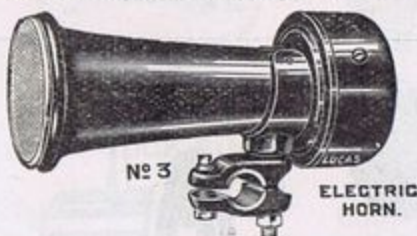


93/11—HORN BULBS.

- | | |
|--------------|--------------|
| No. 1 .. 1/3 | No. 7 .. 4/3 |
| " 2 .. 1/6 | " 8 .. 4/6 |
| " 3 .. 2/- | " 9 .. 5/- |
| " 4 .. 3/- | " 10 .. 5/6 |
| " 5 .. 3/6 | " 11 .. 6/- |
| " 6 .. 4/- | " 12 .. 6/- |
| | " 13 .. 6/6 |



135/12 — BLUEMELS CUSHION GRIP (Motor Cycle, 1" fitting)—These grips are designed to absorb all vibration and are exceedingly comfortable to hold. The combination of celluloid and rubber marks a distinct advance upon all-rubber handles, as a better shape and smart appearance are obtained. 4/6 pair.



97/11—LUCAS ELECTRIC HORN—This Horn gives a loud penetrating tone which is very effective. Renowned for its durability. Can be operated for very long periods without attention of any kind. Complete with horn push ready to fit to handle bar. 35/- each.

Specially recommended for use on Motor Cycle with Lucas electrical equipment.



95/11—LUCAS MOTOR-CYCLORN—The smallest Lucas "Straight" pattern Horn specially designed for use on lightweight machines. Various improvements have been effected in this model, and for power and quality of tone it is unequalled for its size. 20/- each.

BICYCLE DOVER HANDLE GRIPS.

Renowned for their stylish finish, clear cut designs and superior wearing qualities. The body of the handle is made in one piece of Ebonite, which is always clean in wear. Stocked in various patterns, 1/6 per Pair.

MOTOR CYCLE RUBBER HANDLE GRIPS.

Cushion grip in grey rubber 5" long for $\frac{7}{8}$ and 1" bars. A First-class English Article. 3/- per Pair.



61/24—HORN REEDS.

Threaded and Push-in styles. Medium size, 1/6 each. Large size, 2/- each.



38/20 — "SHOCKSTOPS" RACING CYCLE GRIPS—A new model of very striking appearance, handsome and comfortable. Length 7". Colour, red. 3/- per pair.



73/12. BLUEMEL'S MOTOR CYCLE HANDLE GRIPS.
 5/- pair.

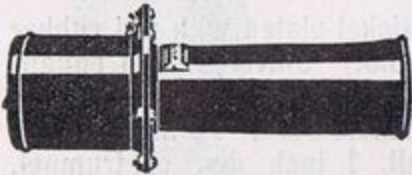


124/9—TOOL KIT HAMMERS.
 4/6 each.

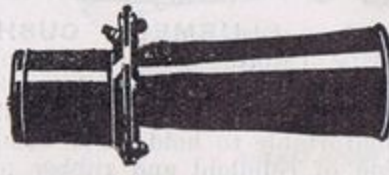
Lucas Horns are unequalled for tone and quality. Plated on Heavy Brass.

SPARTON MOTOR HORNS

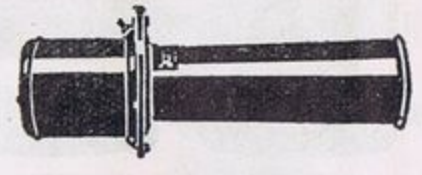
All Sparton Horns are superbly finished instruments, having the rich satin-black double-baked enamel exterior. The present construction is the successful culmination of fourteen years' intensive research work. All Sparton Horns are identical in operative design, giving the far-reaching distinctive Sparton signal, commanding instant attention and respect.



118/17—SPARTON AJ.
Length, 9in.
£1/15/- each.



119/17—SPARTON AX.
Length, 12½in.
£2/10/6 each.



116/17—SPARTON AI.
Length, 11in.
£3/17/6 each.



100/11.

SPORTS MODEL MOTOR CYCLE HORN.

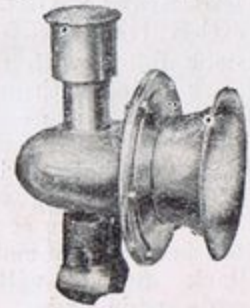
This horn emits a highly piercing yet pleasing note and is undoubtedly the best value on the market for the sports rider. 11/6 each.



95/11—MOTOR CYCLE MECHANICAL HORN.

A hand operated horn with vertical push rod. Sturdily constructed with original flywheel movement and has a short projector. Length 4½in., diameter 4⅜in.

25/- each.



17/20—COWE VARIABLE NOTE HORN (for Motor Cycles).

The principle of this horn differs from all other mechanical horns and there is an entire absence of complication. Pleasant—yet distinctive tone. Pianissimo and pleasant, for the rational public; Crescendo and deeper, for the irresponsible; and finally Fortissimo, for the obstinate. Can be fitted to handlebars or top tube. 25/- each.



74/20.

LIGHTWEIGHT MOTOR CYCLE HORN.

A neat, well-made Horn, suitable for lightweight motor cycles.

13/6 each.

Comprehensive Selection in
H O R N S
for BICYCLES, MOTOR CYCLES,
and CARS.



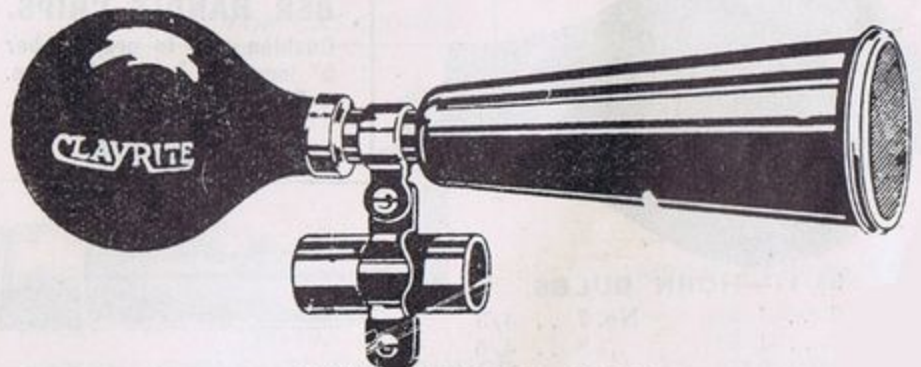
103/21.

ELECTRIC MOTOR CYCLE HORN.

Well designed and finished in black enamel.

Loud clear penetrating tone, very low current consumption, permanent adjustment, durable, efficient, light in weight and dependable.

17/6 each. Complete as illustrated.



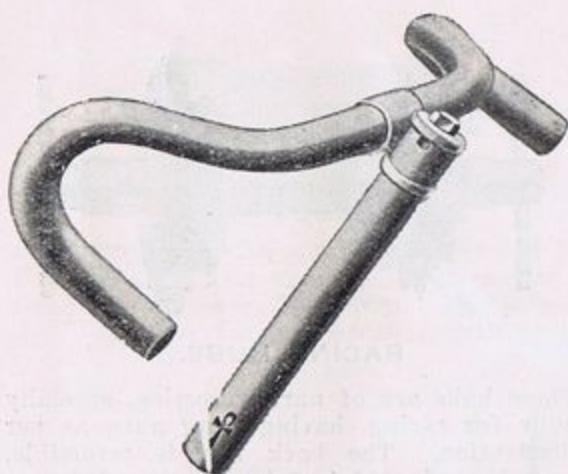
135/19—BICYCLE HORN.

Built on the same lines as a motor horn, it emits a good note, presents a neat, compact appearance, and is well made and finished. Overall length, 8in.

4/9 each.

Lucas Horns are unequalled for tone and quality. Plated on Heavy Brass.

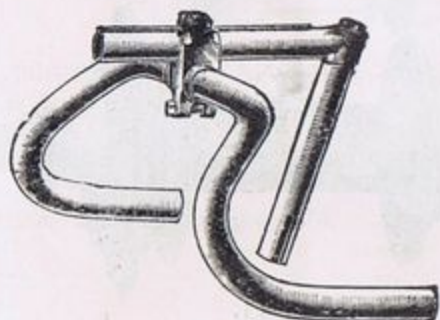
BICYCLE HANDLE BARS and HEAD FITTINGS



63/11.

REVERSIBLE HANDLE BARS.

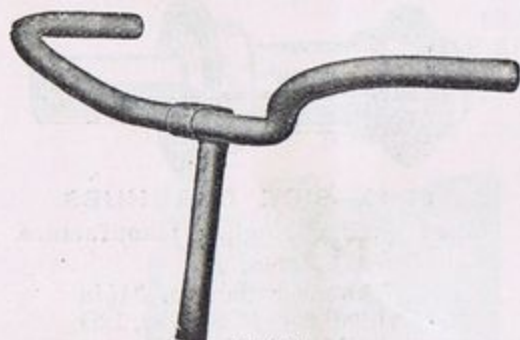
With slight forward extension. Complete with Grips. 13/6 each.



11/68a.

THE MAJOR TAYLOR.

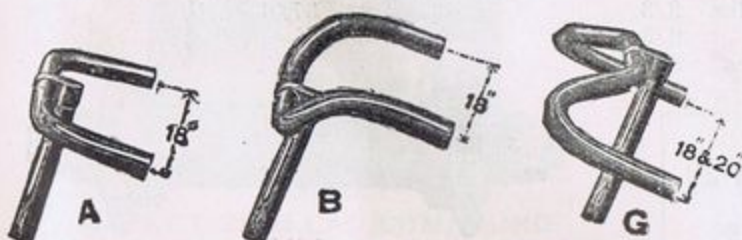
The Handle Bar for racers. Has sliding outrigger, 6in. long. 20/- each.



57/11.

STANDARD HANDLE BARS.

In all shapes. Well plated. Complete with Grips .. 11/6 each.



69/11—GENUINE B.S.A. HANDLE BARS.

Any shape as shown. Pair complete with Grips, 22/6. These Bars are stronger than any other make, and are beautifully plated. Well worth the extra cost.



37/13.

HEAD BALL RACE.

For expander type stem. 1/- each.



101/13.

HEAD LOCK RINGS.

Each. Genuine B.S.A. .. 2/- Pattern B.S.A. .. 1/3



24/13—HEAD BALL RACES.

Top & bottom black:
B.S.A. .. 1/6
Pattern .. 9d.
Bottom plated:
B.S.A. .. 1/6
Pattern .. 9d.



39/13.

PLUNGER BOLTS.

For Handle Bars. Complete. 1/6 each.



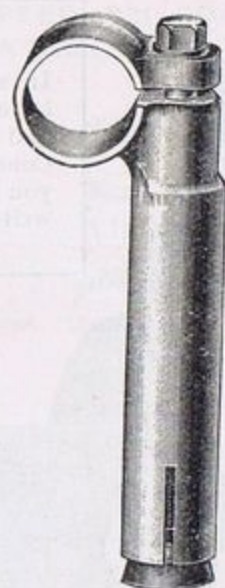
36—Major Taylor Bends, 10/6 each.

37—Major Taylor Clips, 6/- each.

Major Taylor Forward Extensions & Clips:

37a—Square Pattern, 10/- each.

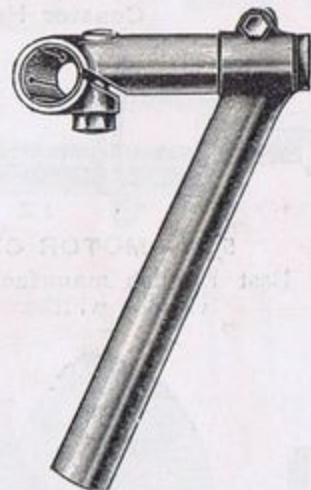
37b—Round Pattern, 10/- each.



82/11.

PATTERN ADJUSTABLE EXPANDER STEMS.

Stems only, 6/- each.



77/11.

B.S.A. HANDLE-BAR STEM. With adjustable Forward Extension for outrigger bars. Adjustable, 22/6 each. B.S.A. Bends only, 12/6 each.

79/11.

B.S.A. EXPANDER HANDLE-BAR STEM.

Stem only, as shown, 12/6 each.



76/11.

B.S.A. ADJUSTABLE HANDLE-BAR STEM.

Stem only, as shown, 12/6 each.



19/13.

HEAD CLIPS.

Genuine B.S.A. .. 6/6
Pattern B.S.A. .. 4/-

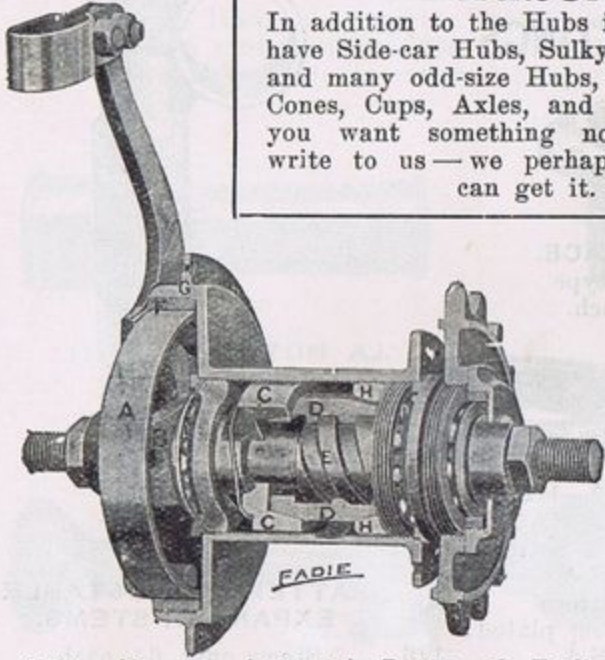
To suit all B.S.A. and Standard Pattern Bicycles.

B.S.A. Handle-bars are exceptionally well plated on Copper.

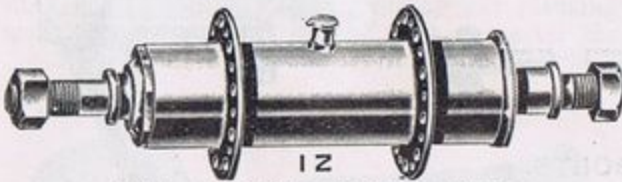


Hubs.

In addition to the Hubs illustrated, we have Side-car Hubs, Sulky Wheel Hubs, and many odd-size Hubs, together with Cones, Cups, Axles, and Washers. If you want something not illustrated, write to us—we perhaps have it or can get it.

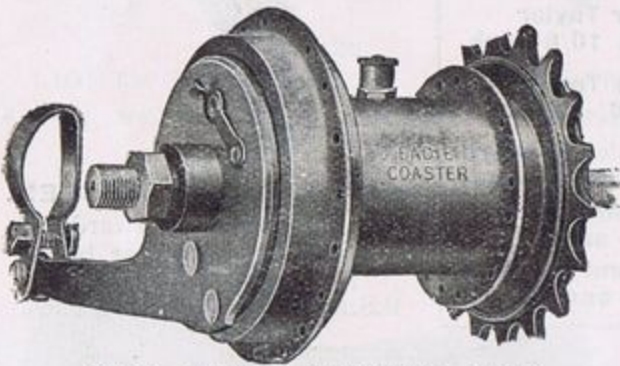


6/11—Showing Internal Parts of Eadie Coaster Hub.



5/11—MOTOR CYCLE HUB.

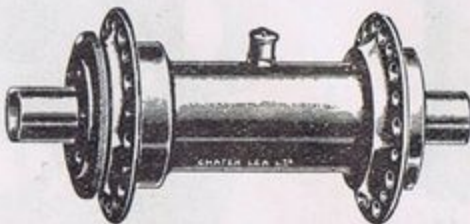
Best English manufacture. Stocked in various widths. 22/6 each.



11/11—EADIE COASTER HUB.

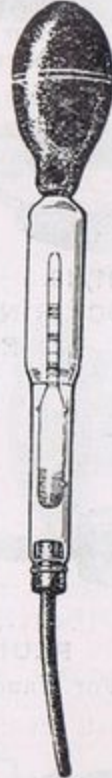
The Eadie Coaster is fitted with Positive Clutch Drive, which prevents all possibility of slipping.

27/6 each. Fitting extra—See page 78.



15/11—MOTOR CYCLE HUB, 35/-.

With pull-through Spindle.



100/18.

HYDROMETER SYRINGE, OR BATTERY TESTER.

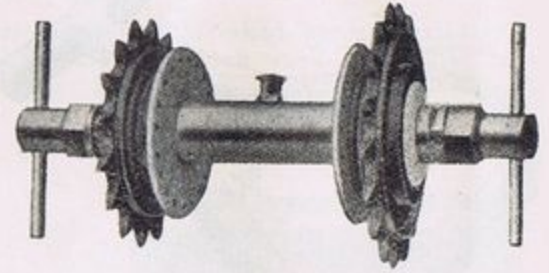
Every car should be equipped with one of these battery testers, and make frequent use of it. This is the only way to prolong the life of your battery.

5/- each.

HYDROMETER SPARES.

- Acid Testers 2/3
- Rubber Bulbs 2/3
- Glass Jars 2/3
- Rubber Tips 2/3

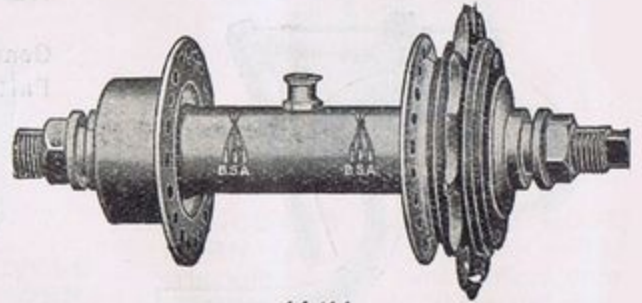
We Pay the Postage



RACING HUBS.

These hubs are of narrow section, specially built for racing, having wing nuts, as per illustration. The back hub is reversible, being adapted to take two sprockets.

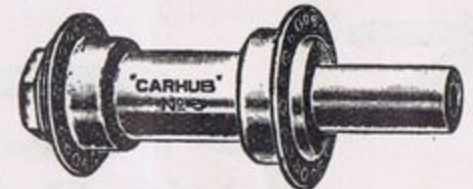
Per pair, complete with 2 Sprockets 20/-
 Front Hub only 7/6
 Rear " " 12/6



14/11.

GENUINE B.S.A. BACK HUB, 20/-.
PATTERN B.S.A. BACK HUB, 10/-.

Complete with Sprocket.
 Fitting extra—See page 78.



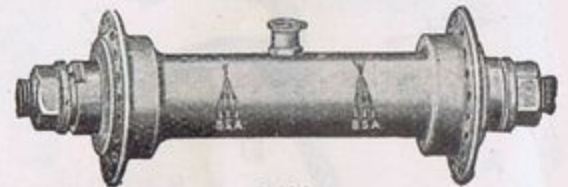
84/19—SIDE CAR HUBS.
 Best quality English manufacture.

No. 2.

Width over flanges, 3 1/8 in.
 Drilled for 40 Spokes, 12G.
 Spindle end, 1 in. diameter.
 25/- each.

No. 3.

Width over flanges, 3 3/4 in.
 Drilled for 40 Spokes, 10G.
 Spindle end, 1 in. diameter.
 37/6 each.



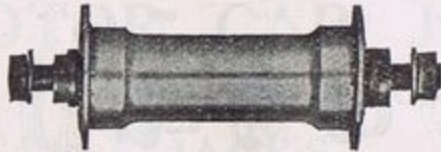
9/11.

GENUINE B.S.A. FRONT HUB, 10/-.
PATTERN B.S.A. FRONT HUB, 5/6.

Fitting extra—See page 78.

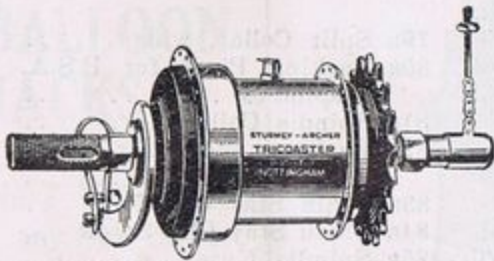
Parts stocked for all makes of Hubs. Send sample when ordering.

51/20—STURMEY-ARCHER THREE-SPEED TRI-COASTER HUB PARTS (Model Mark K.C.)

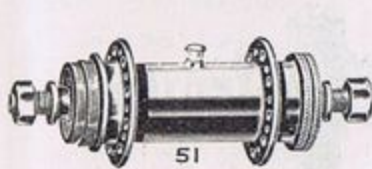


99/11—SULKY HUB.

A superior hub with special features and finish. Has knock-out axle which makes it easy to keep clean. Drilled for 36 spokes. 3 3/4 inches between flanges, 6-inch spindle. 28/- each.

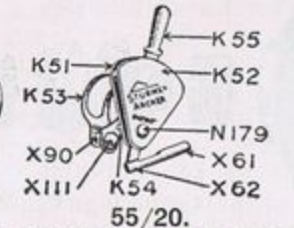


11/20—STURMEY-ARCHER 3-SPEED HUB. This is the best three-speed hub made, and is the only three-speed hub that has a back-pedaling brake included. Complete with either top tube or handle bar control, £2/10/-. Fitting extra. See page 78.

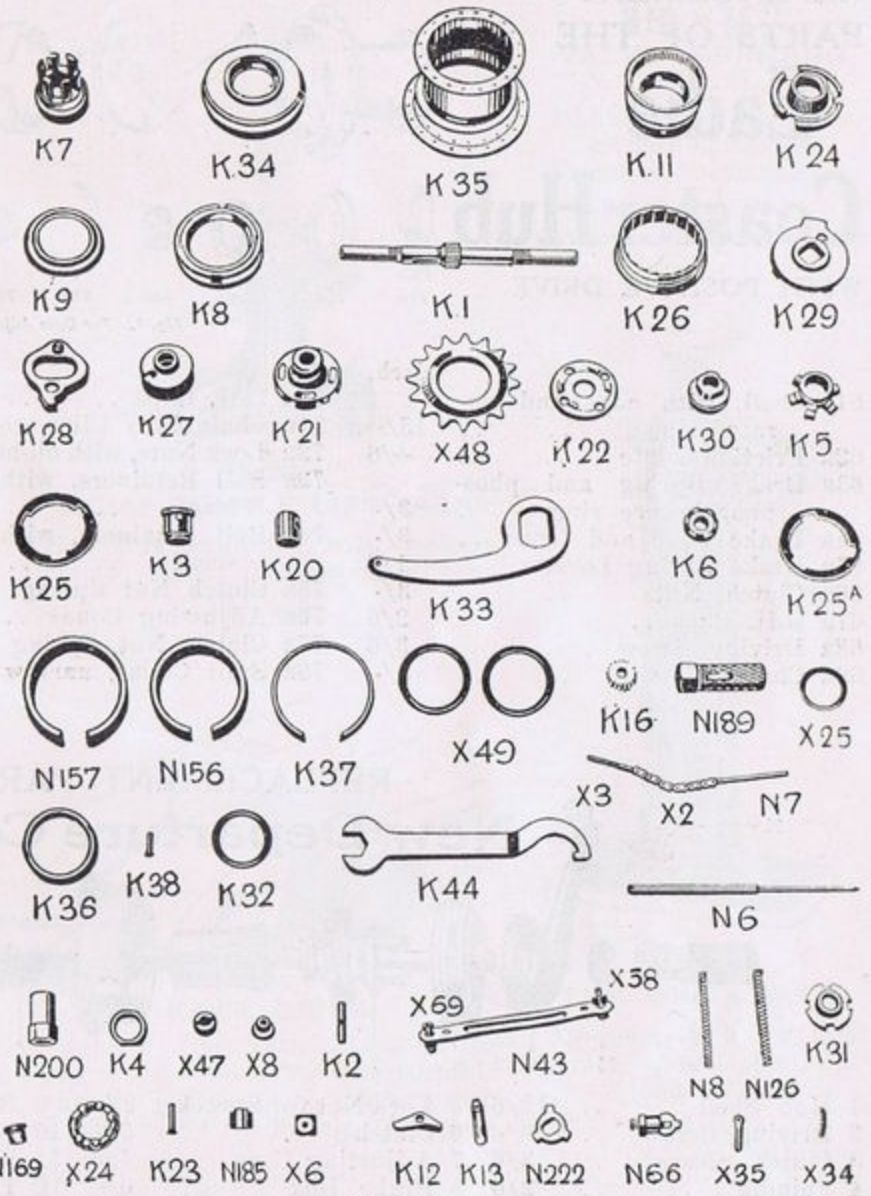


MOTOR CYCLE HUBS.

For light-weight machines. 18/6 each.



THREE-SPEED TOP TUBE CONTROL. 4/6 each. As illustrated.



69/20.

GASKET SHELLAC COMPOUND.

Cements and makes leak-proof metal, leather, cork, paper, asbestos, canvas, fibre, rubber and all variety of gaskets. Small brush fastened to cork.

1/3 per bottle.

N 7—Coupling Spindle	Each.	K 5—Sliding Clutch	Each.
X 2—Chain	3/-	K 6—R.H. Cone	4/6
X 3—Screwed Connection	2d.	K 7—Driver	2/9
X 6—" " Lock Nut	2d.	K 8—R.H. Ball Ring	7/6
X 8—Main Spring Collar	6d.	K 9—R.H. Dust Cap	9/-
X 24—1in. dia. Ball Retainer	1/-	K 11—Gear Ring	6d.
X 25—Ball Race Cap.	2d.	K 12—" " Pawl	11/-
X 34—Pawl Spring. Per doz.	1/-	K 13—Pawl Pin	1/-
X 35—Split Pin. Per doz.	1/-	K 16—Planet Pinion	2d.
X 47—Spring Nut	Each.	K 20—Chain Protector	1/6
X 48—Sprocket	2d.	K 21—Planet Cage	6d.
X 49—" Washer	4/-	K 22—Cage End Plate	8/-
X 58—Brake Arm Clip Nut	2d.	K 23—Cage Pinion Retainer	3/-
X 69—" Bolt	2d.	Rivet. Per doz.	1/-
N 6—Indicator Screw	1/6	K 24—Clutch Nut	Each.
N 8—Axle Spring	6d.	K 25—L.H. Pawl Retainer	10/6
N 43—Clip for Brake Arm	8d.	(inner)	4d.
N 66—Lubricator	6d.	K25A—L.H. Pawl Retainer	4d.
N126—Indicator Spring	6d.	(outer)	4d.
N156—Steel Brake Band	5/-	K 26—L.H. Ratchet Ring	5/6
N157—Bronze Brake Band	5/-	K 27—Brake Cone	4/-
N169—Brass Rivet for Brake Ring. Per doz.	1/-	K 28—" Lever	2/-
N185—L.H. Pawl	Each.	K 29—" Centre Plate	3/-
N189—Step	1/6	K 30—L.H. Cone	3/-
N190—L.H. Nut (Lady's)	1/6	K 31—" Nut	1/8
N200—R.H. Nut	1/6	K 32—" Dust Cap	4d.
N222—Star Washer	4d.	K 33—Brake Arm	3/-
K 1—Axle	7/6	K 34—" Drum	7/-
K 2—"Key"	4d.	K 35—Hub Shell	10/-
K 3—"Sleeve"	1/6	K 36—Sprocket Lock Nut	1/-
K 4—" " Nut	6d.	K 37—L.H. Pawl Spring	4d.
		K 38—" Pawl Retainer	1/-
		Rivet	1/-
		K 44—Spanner	2/-

We pay the Freight on all orders for Bicycles.

Barnstormers Co. Nz

EADIE COASTER HUB— 1915 PATTERN.

REPLACEMENT PARTS OF THE **Eadie Coaster Hub** WITH POSITIVE DRIVE

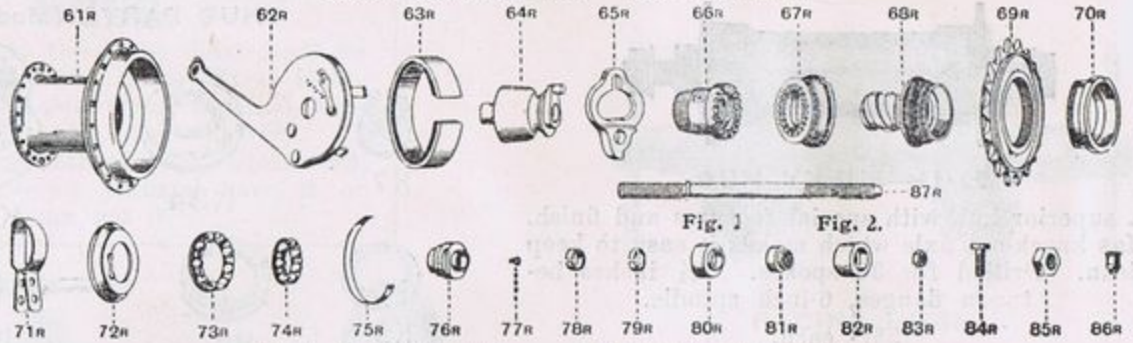


Fig. 1. For Cam Adjustment. Fig. 2. For Draw Bar Adjustment.

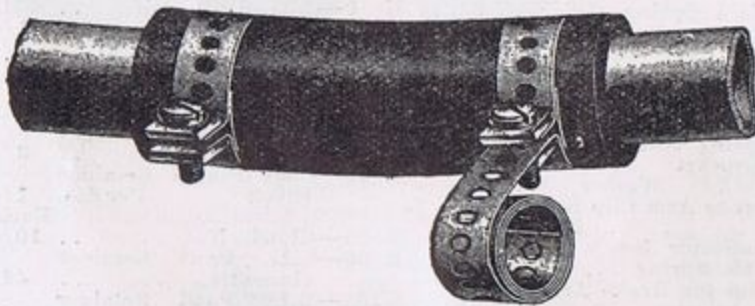
61R Shell, with cups and serrated ring	15/-	70R L.H. Cups	2/-	79R Split Collar, wide	3d.
62R Friction Plate	4/6	71R Chain Stay Clips, complete	1/3	80R Packing Piece for B.S.A. spindles	9d.
63R Brake Spring and phosphor bronze ring	3/-	72R Lock Nuts, with oil-hole cover	1/3	81R Spindle Collar	9d.
64R Brake Cone and Lever	3/-	73R Ball Retainers, with balls, large	1/-	82R Packing Piece for round spindles	9d.
65R Brake Spring Lever	1/6	74R Ball Retainers, with balls, small	1/-	83R Chain Stay Clip Nut	2d.
66R Clutch Nuts	3/-	75R Clutch Nut Spring	6d.	84R Chain Stay Clip Screw	3d.
67R R.H. Cups	2/6	76R Adjusting Cone	1/6	85R Spindle Nuts	6d.
68R Driving Screw	3/6	77R Clutch Nut Spring Screw	3d.	86R Lubricator	6d.
69R Chain Ring	3/-	78R Split Collar, narrow	3d.	87R Spindle only	1/6

REPLACEMENT PARTS OF THE **New Departure Coaster Hub.**

All Prices on this Page for Parts Only **FITTING EXTRA**



1 Hub Shell	12/6	5 Lock Nut for Sprocket	2/-	9 Brake Cone	3/6	13 Axle Nut	4d.
2 Driving Screw	6/-	6 Clutch	5/-	10 Brake Arm	3/6	14 Washer	3d.
3 Clutch Sleeve	3/6	7 Adjusting Cone	1/6	11 Brake Arm Clip	1/-	15 Convex Washer	4d.
4 Spindle	2/6	8 Brake Box	6/-	12 Transfer Spring	2/-	16 Ball Cage (large)	2/-
						17 Sprockets (any size)	3/6
						19 Step	1/-
						20 Ball Cage (small)	1/6



80/19—UNIVERSAL HOSE CLIPS.

A revolution in Clips. The strongest and the simplest. For all size pipes in any position. Cut off the length you want, place your nuts through, and tighten up. Per Box, with 40-inch Coil, complete with screws and nuts sufficient to make about 6 Clips 7/-.



88/19. TERRY'S HOSE CLIPS. 7/8 in. to 1 1/8 in. .. 6d. each 1 1/2 in. to 2 in. .. 1/- each



61/13—FULLER'S HOOD PRESERVATIVE. For Hoods, Curtains, Tyre-covers, etc. Waterproof; permanent and inexpensive. Clear and Black. Quart tins, 6/- each.

We Specialise in **MOTOR CYCLE REPAIRS.**

Always send old part as sample—ensures the right fitting being sent you.

MOTOR CAR JACKS

For all makes of Cars

SPECIAL JACKS

For Cars with Balloon Tyres

RELIABLE BALLOON JACKS

No. 7. Will handle any type of car and has an exceptional lift, 6 $\frac{1}{2}$ " to 17". Fitted with 36" folding handle. 40/- ea.

No. 15. Recommended for light cars. Has a lift of 10". Complete with patent collapsible 36" handle. 27/6 ea.



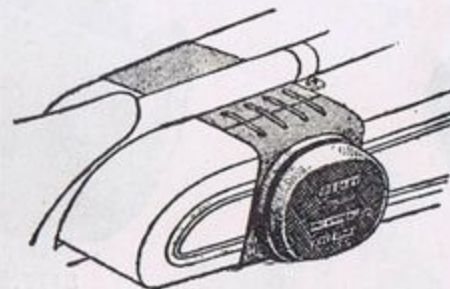
93/25.
THE LIGHTNING JACK.

A splendid Jack for Touring Cars—right in principle, properly engineered and so simple that nothing can get out of order—raises a car with a minimum of effort. Lifting range, 10 to 17 inches; weight, 8lbs.

11/6 each.



75/20.
MIDAS DOUBLE LIFT JACK.
For cars equipped with balloon tyres. Closed 7in., extended 14in.
15/- each.



KNEE GRIPS.
Pedley's Pneumatic Knee Grips are a real boon for comfortable riding. Price, complete with straps, ready for fitting, 11/6 pair.



63/14.
THE MIDAS JACK.
An ideal Jack for light cars. Closed 8in., extended 12in.
7/6 each.



20/24.
THE FAMOUS CHAIN JACK.
Raises the heaviest car with ease.
27/6 each.

CAR TYRE SIZES :

EASY TABLE FOR FITTING OVERSIZE TYRES.

Ordinary.	Oversize.
650 x 65	700 x 85
700 x 85	710 x 90
750 x 85	760 x 90
760 x 90	765 x 105
810 x 90	815 x 105
870 x 90	875 x 105
910 x 90	915 x 105
765 x 105	820 x 120
815 x 105	850 x 120
875 x 105	920 x 120
820 x 120	835 x 135
850 x 120	880 x 120
880 x 120	935 x 135
835 x 135	895 x 135

WHAT WILL FIT.

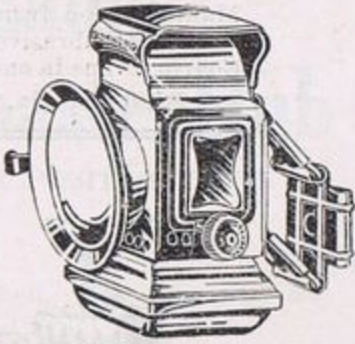
Millimetres.	Inches.
750 x 85	= 30 x 3 $\frac{1}{4}$
800 x 85	= 32 x 3 $\frac{1}{4}$
860 x 85	= 34 $\frac{1}{2}$ x 3 $\frac{1}{4}$
760 x 90	= 29 x 3 $\frac{1}{2}$
810 x 90	= 31 x 3 $\frac{1}{2}$
840 x 90	= 32 $\frac{1}{2}$ x 3 $\frac{1}{2}$
870 x 90	= 34 x 3 $\frac{1}{2}$
910 x 90	= 36 x 3 $\frac{1}{2}$
960 x 90	= 38 x 3 $\frac{1}{2}$
815 x 105	= 32 x 4
875 x 105	= 34 x 4
915 x 105	= 36 x 4
820 x 120	= 32 x 4 $\frac{1}{2}$
850 x 120	= 33 x 4 $\frac{1}{2}$
880 x 120	= 34 x 4 $\frac{1}{2}$
920 x 120	= 36 x 4 $\frac{1}{2}$
935 x 135	= 36 x 5 $\frac{1}{2}$

Balloon Sizes

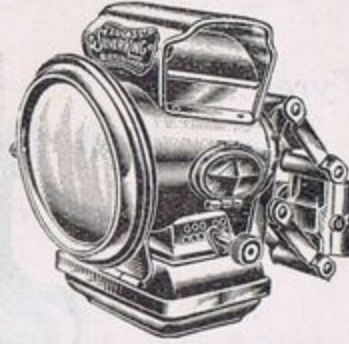
Straight Side Rims	Take Balloon Tyres
30 x 3 $\frac{1}{2}$	} 32 x 4.95
31 x 4	
31 x 4	} 33 x 5.77
32 x 4 $\frac{1}{2}$	
32 x 4	} 34 x 5.77
33 x 4 $\frac{1}{2}$	
33 x 4	} 35 x 5.77
34 x 4 $\frac{1}{2}$	
32 x 4 $\frac{1}{2}$	} 35 x 6.60
33 x 5	
34 x 4 $\frac{1}{2}$	} 37 x 6.60
35 x 5	
FORD SIZE	
30 x 3 $\frac{1}{2}$ Beaded Edge	
Rim takes Balloon	
Size ...	31 x 4.40

Sole Agents in Auckland District for B.S.A. Motor Cycles.

Special Values in **LAMPS** for *BICYCLES MOTOR CYCLES and CARS*



68/7
P. and H. "DEMON."
Our lowest-priced Oil Lamp.
Japanned, 3/6 each.



74/7.
LUCAS "SILVER KING."
The World's Best Oil Lamp. It has a large oil vessel, detachable glass-covered reflector, and opens right down for cleaning.
28/6 each.



71/7.
THE LUCAS "CAPTAIN."
A reliable light-giver.
10/- each.



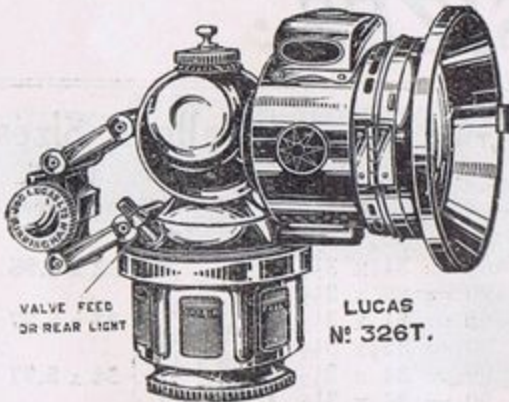
77/7—**LUCAS "PATHFINDER."**
An improved pattern, domed front glass; opens right down for cleaning.
Plated, 6/9 each. Japanned, 6/9 each.



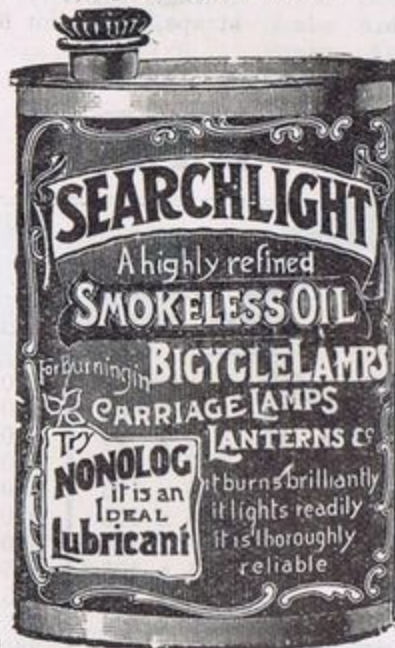
81/7.
THE LUCAS "LUCENT."
A reliable Lucas Lamp at medium price.
Japanned, 4/- each.



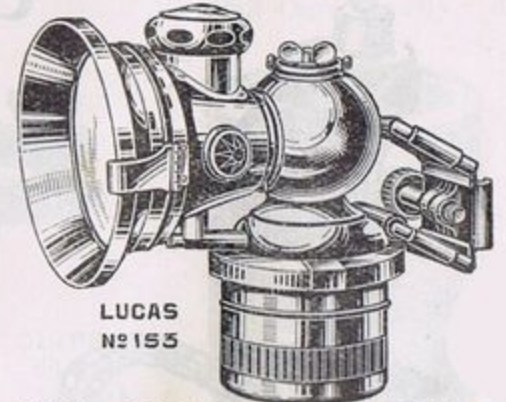
98/14.
LUCAS "TAIL LIGHT."
This is a specially-designed tail light showing a white light forward as well as a red light to the rear, so that the rider need not turn round to see whether it is alight.
6/- each.



72/28—**LUCAS CALCIA KING.**
One of Lucas' newest designs; fitted with a silvered mirror reflector. The carbide container has a patented fixing, a slight movement enabling it to be quickly fixed or unfixed. Fitted with valve nipple for rear light. Plated or Black.
40/- each.

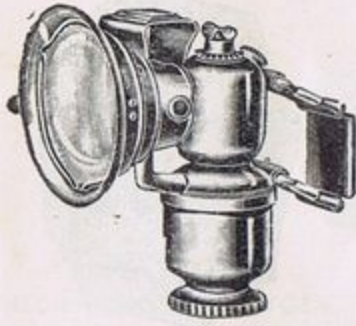


81/12.
BICYCLE LAMP OIL.
Specially prepared for use in cycle lamps.
1/3 per tin.



75/28—**LUCAS CALCIA TOURA.**
A medium-priced Lucas Lamp, embodying all modern improvements. Has a large front with an aluminium reflector and patented fixing for carbide container. The water body is fitted with combination water-filler, cap and funnel, which is not detachable. Complete with valve nipple for rear light.
25/- each.

Lucas Lamps are the Best—we have sold them for 38 years.



64/7.

P. and H. "PANTHER."

A popular Gas Lamp. 10/- each.



48/27.

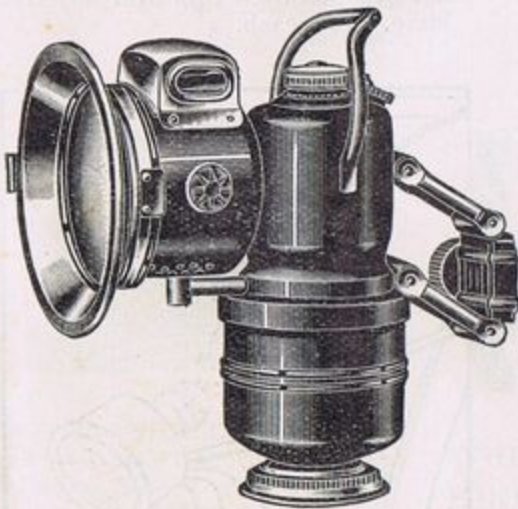
P. and H. CHIEFTAIN.

One of the finest lamps made. Fitted with 3in. double convex lens and mirror reflector, thereby ensuring a brilliant light. Has double carbide chamber with positive locking device making an absolute gas-tight joint. 27/6 each.



52/27—P. & H. "REVENGE."

A medium-sized Lamp of good quality. 17/6 each.



138/7—THE P. AND H. No. 75.

This is a popular lamp with its handle and deep carbide chamber, silvered mirror reflector and 3in. double convex lens. Weight 26ozs. Complete with rear tap. 22/6 each.



69/27.

THE STARLIGHT BICYCLE REAR LAMP.

Substantially made and well designed. Fitted with $\frac{7}{8}$ in. red glass and $\frac{3}{4}$ in. white glass. 4/6 each.



94/12—REAR REFLECTOR.

Medium size, with stay clip as illustrated or bracket for mudguard. 1/3 each.



No B116

93/14.

LUCAS BICYCLE TAIL LIGHT.

A neat little lamp—complete with clip for back stays. Height, $2\frac{1}{2}$ in.; diameter, $1\frac{1}{8}$ in. 7/6 each.

MOTOR CYCLE SPOT LIGHT.

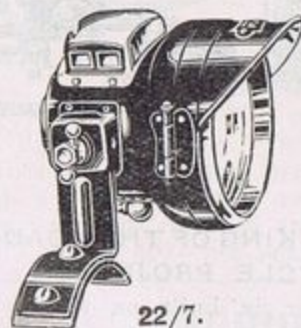
The Delta.—The finest Motor Cycle Spot Lamp made. Detaches at wing nut for trouble lamp uses, leaving bracket attached to handle bar out of the way.

27/6 each.



86/7—THE NEW SULTAN.

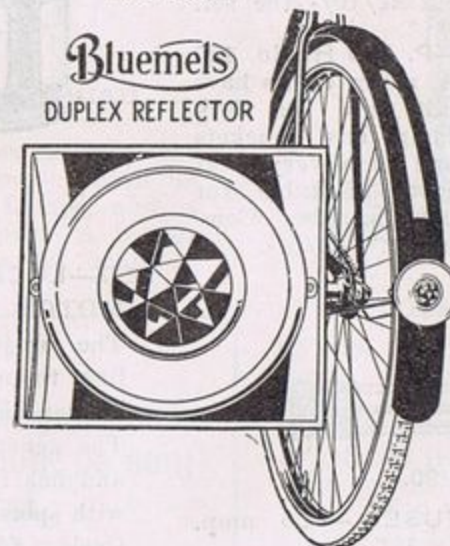
This is an improved lamp, having a deeper carbide chamber and a larger waterpart, aluminium reflector and single convex glass. 22/6 each.



22/7.

P. and H. SIDE CAR GAS LAMP.

Well finished, and shows a good light. 20/- each.



Bluemels
DUPLEX REFLECTOR

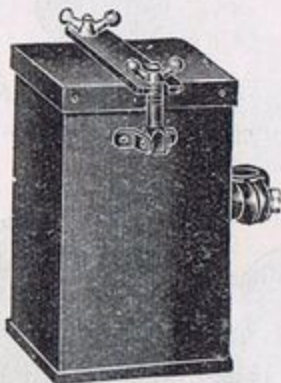
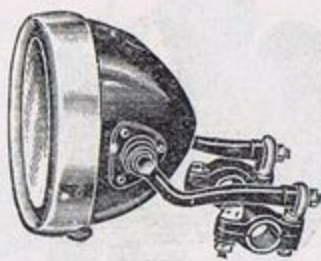
THE DUPLEX REFLECTOR.

It affords a double margin of safety for the night rider, as the white disc is caught at whatever angle the lamp of the overtaking vehicle is likely to be, whilst the red reflector gives the necessary note of danger.

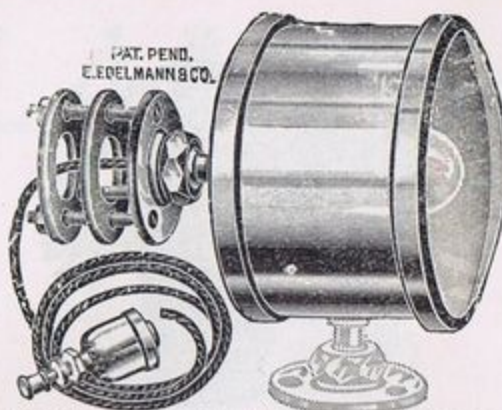
1/9 each.

Lucas Lamps are the Best—we have sold them for 38 years.

Barnstormers Co Nz



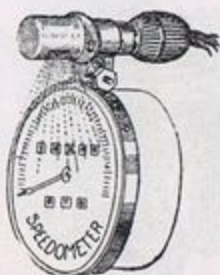
4/20 and 5/20—**ELECTRIC MOTOR CYCLE SET**—Comprising Head-lamp (with switch and dimmer fitted into lamp), Tail Lamp 6 volt 10 amp., Accumulator in tin box which has adjustable clips for fitting on to down tube with wiring and fittings complete. With battery charged. £6/-.



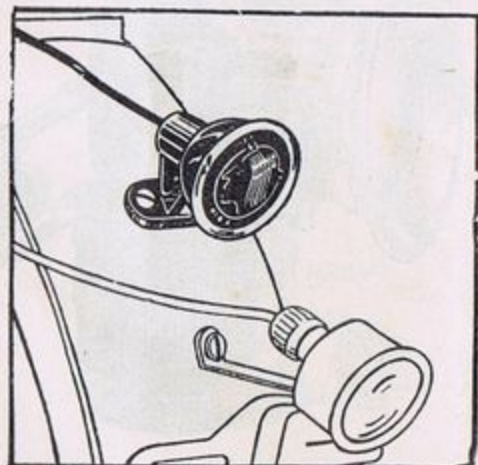
139/14 — EDELMANN DRIVING LIGHT—Can be attached to radiator, cowl, splash pan, or fenders. The lamp is of double shell construction, eliminating reflector or lens becoming fogged. Complete with 6 feet armoured cable, switch to mount on dash, 32 candle-power bulb and all bolts and nuts ready for attaching. 25/- each.



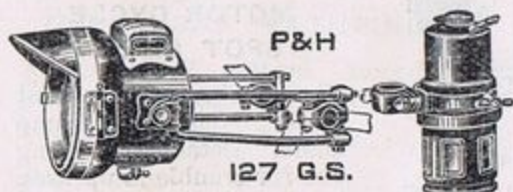
3/20 — **"RAINBO" JEWEL DASH LAMP CAP**—Made of nickel-plated White Metal and studded with nine jewels of many colours. Each jewel is cut with 24 facets and when light is on glows with soft radiant beauty hard to picture. Fits over any dash lamp. 5/- each.



28/20 — **SPEEDOMETER LAMP**—Adaptable to any size speedometer. 6 volt bulb for use on single wire system. Lever switch built right in lamp. 7/6 each.



26/20 — **INDIAN STOP LAMP**—Easily attached and controlled by brake lever. When the brake is applied the brilliant red light flashes on and warns all traffic behind you. 7/6 each.

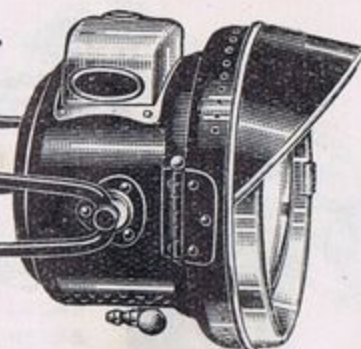


139/7—**MEDIUM WEIGHT MOTOR CYCLE SET**—This lamp is equipped with a 4in. genuine Mangin Mirror and Bray's Roni Burner. No. 119 generator with swivel base. Complete as shown, to fit almost any motor cycle. £2/10/- the set.

B.S.A. SPECIAL—P. and H. No. 120—All 1927 B.S.A. motor cycles have special lugs built into the fork crown. This lamp has brackets made to suit, and is a very neat lamp and efficient. Suitable for 2.49 and 3.49 h.p. models. Complete with generator. £2/5/-.

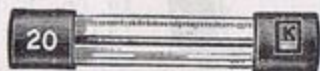


LUCAS No 462S SET



92/7—**LUCAS KING OF THE ROAD MOTOR CYCLE PROJECTOR**—The projector is built on similar lines to car projectors. Has Mangin Mirror Lens and Parabolic reflector. The generator is of drip feed type and has two way nipple. Complete with sports brackets to fit any Motor Cycle. £5/5/- the set.

LUCAS KING OF THE ROAD PROJECTOR SET (Special for B.S.A. Motor Cycles)—This set is slightly smaller than the one previously described, but is fitted with special brackets for B.S.A. Motor Cycles which are now fitted with lugs in the fork crown. Recommended for the larger model B.S.A. machines. £4/- complete with Generator.



77/20.

MOTOR CAR FUSES — 20 amp. 6d. each. 1 1/4" x 1/4".

Lucas Lamps are the Best—we have sold them for 38 years.

Barnstormers Co. Nz



P&H
125 F.S.

138/7.

P. AND H. MOTOR CYCLE LAMP SETS.

No. 125—The premier medium-weight Lamp Set. Diameter of front, 5½in. Fitted with 4in. Magnin mirror. Total weight, 5lb. 10oz.

£2/15/- per set.

No. 120—The popular lightweight set, having a 5in. front and 3¼in. imitation Magnin mirror. Weight, 4lb. 15oz.

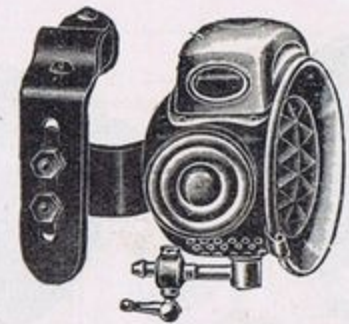
£2/5/- per set.



19/25.

MOTOR CYCLE ELECTRIC TAIL LAMP.

Securely attaches to mud-guard. Shows red to rear and illuminates number. 12/6 each.



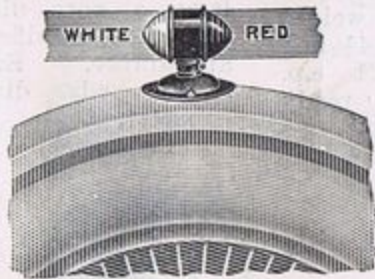
91/7.

P. and H. GAS TAIL LAMP.

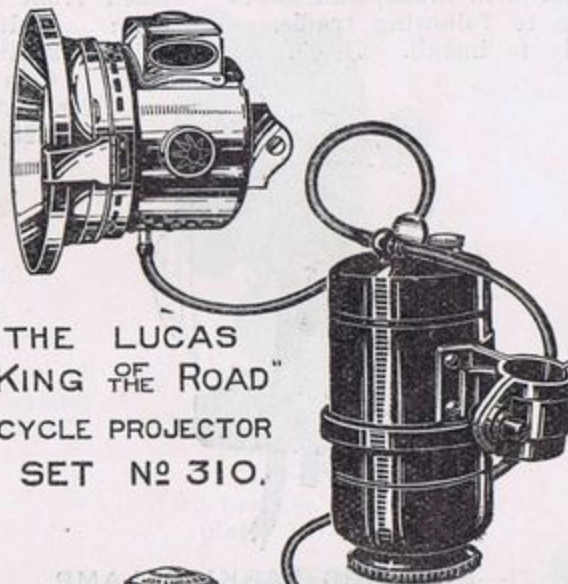
With tap for regulating pressure of gas. 10/6 each.

P. and H. TAIL LAMP No. 50.

A small gas tail lamp with 2 bolts to fit to number plate. Red glass 1⅞in., white glass 1¾. Weight 4oz. 5/- each.



103/25—SIDE-CAR LAMP. Can be attached to guard or body. Fitted with switch. 7/6 each.



"THE LUCAS 'KING OF THE ROAD' CYCLE PROJECTOR SET NO 310.

91/14—LUCAS KING OF THE ROAD CYCLE LAMP.

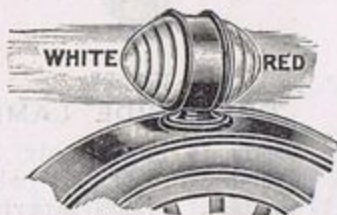
Designed for the cyclist who wishes to have the very best light obtainable. The lamp is built on similar lines to the Motor Cycle Lamps, and is fitted with a silvered mirror reflector. A burner cleaner brush is retained inside the lamp. 40/- per set.



9/25.

MOTOR CYCLE ELECTRIC TAIL LAMP.

Everlasting aluminium and steel combined Tail Lamp. Has removable rear red glass, and removable white glass to show number plate. Weight, 8½oz. 12/6 each.

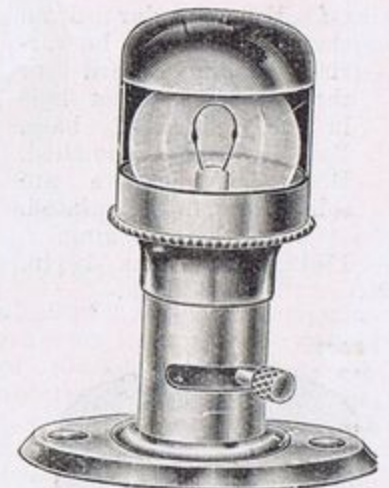


104/25—SIDE-CAR LAMP. A neat lamp of ample strength. Complete with 6-volt bulb. 12/6 each.



114/14—DASH LAMP.

Designed for use on metal dash, and as centre of opening in shade is only one inch from the face of dash, makes it particularly efficient where the face of the instruments is set flush with the board. 7/6 each.



72/18.

THE BOSS DASH LAMP.

Of the short bull-dog type—dash. Made of solid brass, highly plated and polished. Complete with self-contained switch but less bulb. Measures takes up very little room on the 2½ in. overall. 3/6 each.

CARBIDE.
Owing to Post Office Regulations, Carbide can on no account be sent through the post.

Lucas Lamps are the Best—we have sold them for 38 years.

Barnstormers Co Nz



71/28.
LUCAS KING OF THE ROAD REFLECTOR SIDE LAMP.

Pleasing and distinctive in outline. Can be fitted vertically or horizontally. Bulb replacement is a simple matter, as the front of lamp is attached by a bayonet fixing.

25/- each.
Ideal for Side-car use.



99/25—CIRCLE "S" STOP LIGHT.

A solidly built brilliant light that will stand the wear and tear of any service. Easily fitted in conjunction with brake, and issues a sure warning to following traffic.

Complete ready to install. £1/-/-.



73/18.
THE NEVEROUT WARNING SIGNAL.

Fits over tail lamp—avoids drilling holes in guard or body of car. Shows "Stop" only when pressure is applied to brake pedal. Lamp is of solid aluminium, polished front rim; weight 6oz.; width 4½ in.; height 2¾ in. 21 c.p. bulb. Complete ready for installing.

25/-.



100/25.
DRUM SIDE LAMP.

This type is known as the "flaring" type of Drum Side Lamp. The two plated hexagon brass bands give this lamp a very distinctive, dignified appearance. Extreme body diameter, 2¾ in.

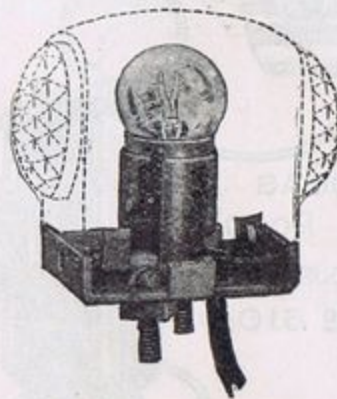
13/6 each.



102/25.
PARKING LAMP.

Of the popular drum shape. Wire can be carried under guard or through wire outlet hole in the side of base. Body is black enamelled. Both lens holders are solid brass, nickel plated.

Front lens opening 1⅞ in., rear lens 1¾ in.
13/6 each.



51/21—ELECTRIC PARKING LAMP.

Specially made for attachment to motor guards, to be used when car left standing. Shows white light to the front, red to the rear. Saves great deal of current. Also first-class lamp for side-car use.

8/6 each.



101/25.
DRUM SIDE LAMP.

Body is handsomely finished in black baked enamel. Lens aperture approximately 1⅞ in. diameter. Extreme body diameter 2¾ in. Fitted with 6-volt single contact bulb.

13/6 each.



118/14.
DOMES LAMP.

Made entirely of brass, heavily nickel-plated. Complete with bulb and self-contained switch. Only 1½ inches deep. Frosted glass. 17/6 each.



68/27—P. AND H. INSPECTION LAMP.

An indispensable accessory to a car. Very useful on night driving, for changing tyres and making any adjustments. The safest means of lighting where benzine is about. Of brass throughout.

As illustrated, with 12ft. of cable.

17/6 each.



48/26—OIL TAIL LAMP.

A particularly well-made Lamp, suitable for Car or Truck. Black finish.

10/- each.

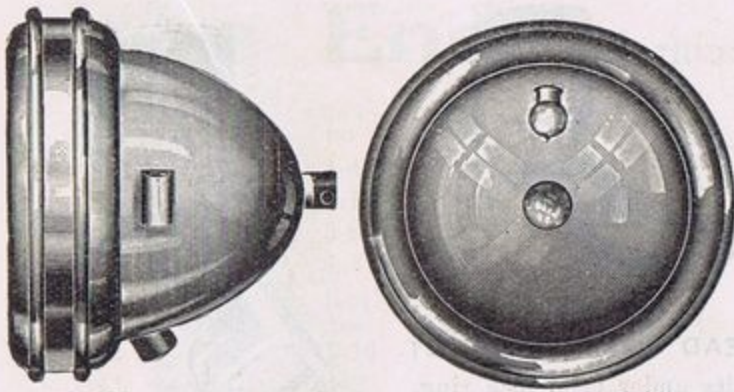


90/25—ELECTRIC INSPECTION LAMP.

Complete with 9 feet of flexible wire. Single or double Contact Plug.

10/6 each.

An Inspection Lamp is invaluable if you require to mend a tyre in the dark.



14/25.

33/25.

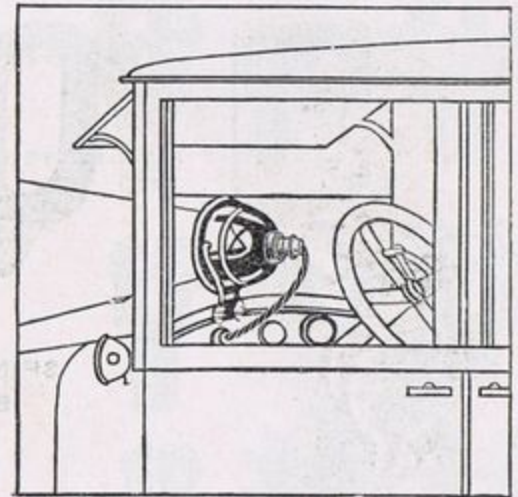
ELECTRIC HEAD LAMP.

This Lamp is of bullet design, with 7-inch front. Has highly-silvered parabolic reflector, which throws beautiful white light from a 21-candle power bulb. The pilot light—a 2-candle power bulb—covers the laws for city riding.

40/- each.

Electric head lamp as used on Indian Motor Cycles, 50/- each.

We pay Postage on all Cash Orders



56/21—INSHIELD DRIVING LIGHT.

A Spot Lamp that fits inside the car. The only lamp for closed cars, and the only one that can be fitted without cutting the glass. Moves in any direction, and is always ready for use as a trouble lamp.

30/- each.



43/10.

BRACKET LUBRICATOR.

For B.S.A. and Standard British Bicycles. Stocked in one quality only—the best. 9d. each.



44/10.

HUB LUBRICATOR.

For B.S.A. and all Pattern Bicycles. 6d. each.



No. 68

23/25.

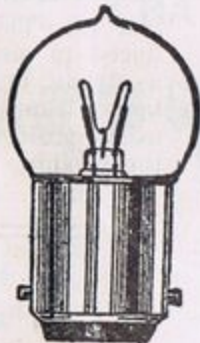
"FORD" ELECTRIC TAIL LIGHT.

5/6 each.

With bracket for number plate, 10/- each.

We REPAIR any make of MOTOR CYCLE or SIDECAR CHASSIS.

We have LAMP GLASSES in all Sizes up to 12in.



72/19—ELECTRIC LAMP BULBS.

2 c.p. .. 1/6 each.	17 c.p. .. 3/- each.
9 c.p. .. 2/- "	21 c.p. .. 3/- "
15 c.p. .. 3/- "	27 c.p. .. 3/6 "

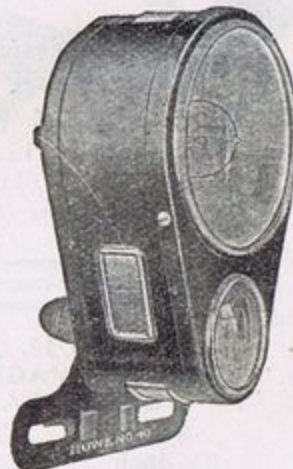
DOUBLE FILAMENT BULBS.

6 and 21 C.P.—for Indians.
21 and 21 C.P.—as used on several cars.
3/6 each.

These Lamps are made especially to stand the vibration of car and motor-cycle.

Stocked in 3-4, 6-8, and 12-16 Volts.

When ordering, please mention whether Single or Double Contact, and Voltage required.



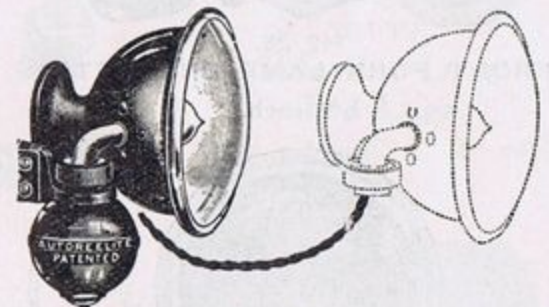
23/7.

HOWE ELECTRIC TAIL LAMPS.

For Cars.

Also show white light to the rear when required. 25/- each.

This is indispensable when backing into unlighted Garages, etc.

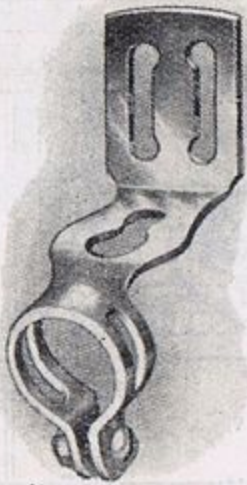


159/19—THE AUTOREELITE.

A powerful spotlight for driving—a trouble-light without equal—an unusually convenient trouble-light for tourists, picnickers, etc. The powerful, penetrating rays of this trim, sturdy spotlight will locate anything within its range—to the left or right, up or down on the road ahead. To use as a trouble-light, simply unscrew the knurled nut at the top of the reel container and the 12 feet of cord reeled out of the AutoReelite bulb enables one to use the AutoReelite at any part of the car. Automatically reels back into the bulb—just like raising or lowering a window shade. The first spotlight that was really different. Dominating windshield searchlight used and praised in every part of the world where motoring exists.

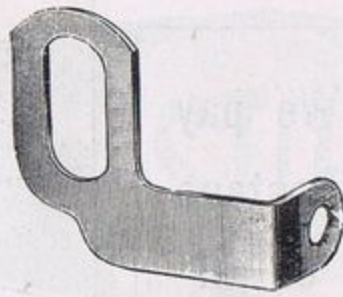
80/- each.

A SPOT LIGHT is invaluable if you require to mend a tyre in the dark.



146/19.
HANDLEBAR LAMP BRACKET.

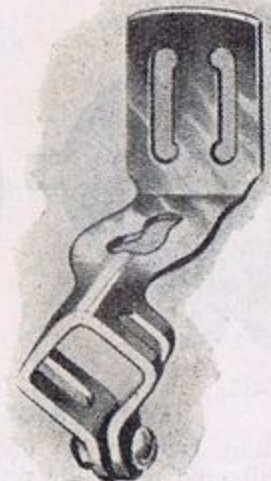
For Major Taylor type bars—
Round extension.
2/- each.



109/26.
SPINDLE LAMP BRACKET.
1/- each.



98/12.
HEAD LAMP BRACKET.
Fits under head lock ring.
Genuine B.S.A. .. 2/- each.
Pattern B.S.A. .. 1/- each.

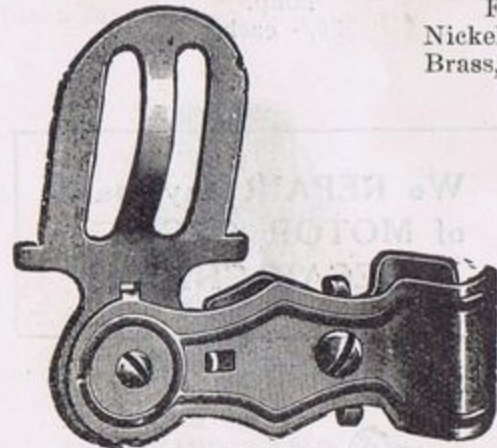


145/19.
HANDLEBAR LAMP BRACKET.

For Major Taylor type bars—
square extension.
2/- each.



147/19.
FOOTMAN LOOPS.
For attaching straps to running board.
Nickel Plated, 1½ in. .. 1/6 each
Brass, 1¼ in. .. 9d. each



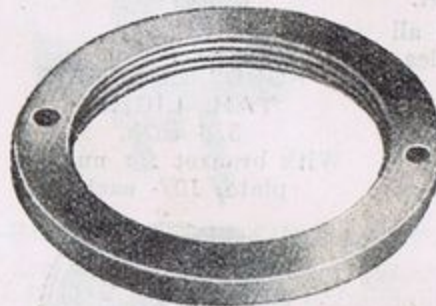
112/26.
FRONT FORK LAMP BRACKETS.
1/6 each.

CARBIDE.
Owing to Postal Regulations, Carbide cannot be sent by post.
We do not pay freight on Carbide.



LUCAS LAMP BRACKETS.

No. 14.—Fork Sides; will suit either oval or D section. 2/- ea.
No. 15.—For Back Stays, to carry tail lights; will suit either D or oval stays .. 2/- ea.
No. 10.—This pattern is introduced to meet the demand for a strong bracket to carry the larger lamps. It fits in the usual position on the head of the machine .. 2/6 ea.



25/19—**HUB LOCK RINGS.**
For locking Sprocket in position.
B.S.A. .. 1/6 each.
Pattern .. 1/- each.



40/19.
LENS OR MAGNIFYING LAMP GLASS.

3-inch	..	3/-	each
3 1/8-inch	..	3/-	"
3 1/4-inch	..	3/6	"
3 3/8-inch	..	3/6	"
3 1/2-inch	..	4/-	"
4-inch	..	5/-	"
4 1/2-inch	..	6/-	"

Popular Lamp Glass Sizes.
Lucas Calcia Toura .. 3 1/4 in.
P. and H. Chieftain .. 3 in.
" No. 75 .. 3 in.
" New Sultan .. 3 in.



90/12—**MAGNIN MIRROR LENS.**
Lucas, 3 1/4 inch .. 6/6
" 4 " .. 20/-
" 4 1/2 " .. 22/6

P. and H.

Complete with locking screw.

3 inch	..	7/6
3 1/4 inch	..	10/-
4 inch	..	12/6

We Pay the Freight on all Cash Orders



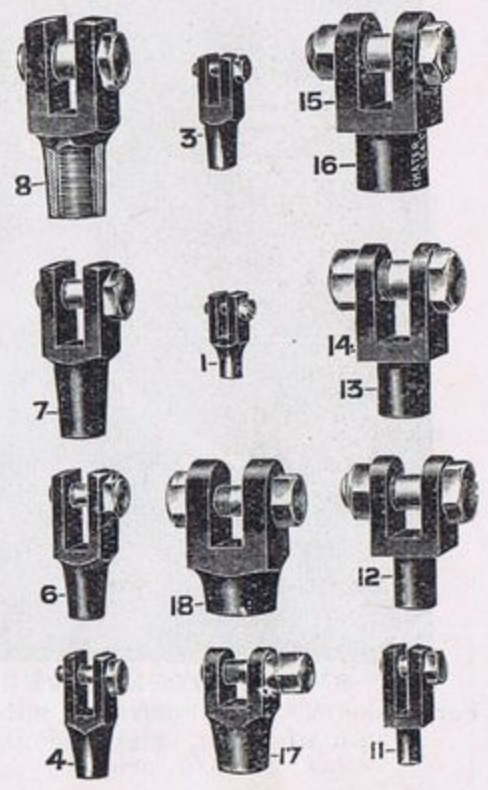
38/11—**LUCAS PATENT LOCK AND CHAIN.**
4/6 each.

Yoke Ends—Machined from Steel Bar.

No.	Rod ins.	Bolt ins.	Slot ins.	each.
4	1-4	1-4	1-4	1/-
6	5-16	5-16	5-16	2/-
7	3-8	3-8	3-8	2/6
8	1-2	1-2	3-8	3/-
	Tang ins.	Bolt ins.	Slot ins.	
12	1-2	7-16	7-16	3/-
14	21-32	1-2	7-16	4/6
16	3-4	1-2	7-16	4/6
17	1	11-16	3-4	8/6

Threaded inside as shown on No. 8.
Complete with Bolt.

Complete with Bolt and Nut.



LUGS for BICYCLES, MOTOR CYCLES, and SIDE CARS.



46, 13—Bicycle Lugs.

	B.S.A.	Pattern.
Top Head Lug ...	5/-	3/-
Bottom Head Lug ...	5/-	3/-
Seat Lug ...	5/6	3/6 complete

For B.S.A. and all standard Bicycles.



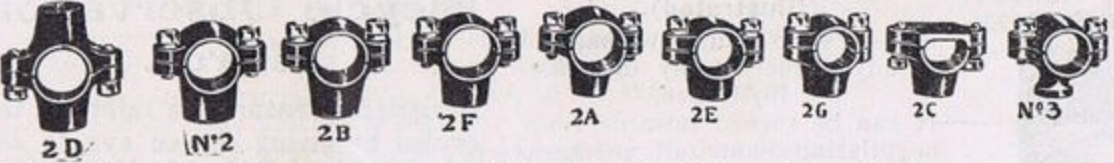
101/19. Side Car Long Tee Lugs.

1 1/8 in. x 1 1/8 in. ... 6/- each



CLIP LUGS

MADE BY CHATER LEA LTD
COPYRIGHT



No. 2.	1 1/4 in. clip x 1 1/2 in. lug ...	5/6	No. 2H.	1 1/4 in. clip x 1 1/4 in. lug ...	6/-
" 2A.	1 1/4 in. " x 3/4 in. " ...	5/6	" 3	1 1/4 in. " with boss ...	4/6
" 2C.	1 in D " x 1 in. " ...	6/-	" 6	1 1/4 in. " equal boss ...	5/-
" 2D.	1 1/4 in. " x 1 in. " ...	5/6	" 7	1 1/4 in. " 1/2 in. hole ...	5/-
" 2E.	1 1/2 in. " x 1 in. " ...	5/6	" 17	3/4 in. " ...	3/6
" 2F.	1 1/4 in. " x 1 in. " ...	5/6	" 17A.	1 in. " ...	3/6
" 2G.	1 in. " x 1 in. " ...	5/6	" 17B.	1 1/4 in. " ...	4/-



89/19. Side Car Tee Lugs.

1/2 in. x 1/2 in. ...	2/- each
5/8 in. x 5/8 in. ...	3/- "
1 1/8 in. x 1 in. ...	3/6 "
1 1/8 in. x 1 1/8 in. ...	3/6 "
1 1/4 in. x 1 1/8 in. ...	3/6 "
1 1/4 in. x 1 in. ...	3/6 "
1 1/2 in. x 1 1/2 in. ...	4/6 "



No. 20.	1 1/4 in x 1/2 in., no bolt ...	4/6 ea.	No. 23.	1 1/4 in. x 3/4 in. footrest lug ...	4/6 ea.
" 21.	1 1/4 in. clip, flat tang ...	4/6 "	" 23a.	1 1/4 in. x 3/8 in. " " ...	4/6 "
" 22.	1 1/4 in. x 1 1/4 in. double clip ...	6/6 "	" 25.	3/4 in. round clip x 15-16 in. round lug, 5-16 in. bolt ...	4/- "
" 22a.	1 in. x 3/4 in. " " ...	5/- "			

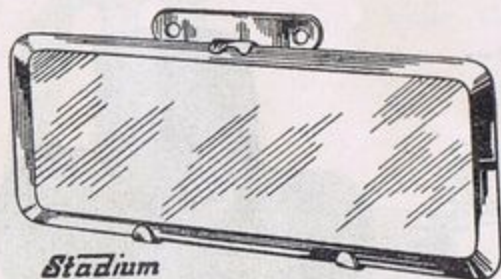
Our stock of Lugs, Yokes, &c., enables us to repair any make Motor Cycle or Side-car frame.



No 433

8/17—BOWDEN LEVER.

For Brake or Clutch Controls. Suits lin. bars.
Length of Lever, 4½ in. Pull, ¾ in.
10/6 each.



Stadium

15/20.

FRAMELESS INTERIOR MIRROR.

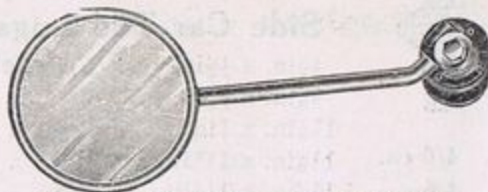
7 in. x 3 in. good quality Bevelled plate glass, coated with a heavy deposit of silver and fully protected from Moisture by a Waterproof backing. 10/- each.



30/20.

CONVEX MIRROR.

The last word in Mirrors. Being convex in shape, gives a fine panoramic view of the road without distortion. 18/6 each.



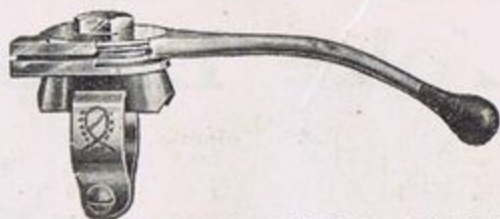
32/20—LIGHT CAR MIRROR.

Diameter of mirror 4 in. Bevelled plate glass, plate and clip fitting. 17/6 each.

SPECIAL TRUCK MIRROR

Fitted with 5½" heavy Mirror in strong frame carried on 16" arm turned at right angles for further 5" and flattened and drilled for screwing to body of truck.

A most satisfactory job. 15/-



4/8—BOWDEN SINGLE LEVERS. Curved, complete with Clip. 7/6 each.



11/8—BOWDEN DOUBLE LEVERS. Complete as shown. 11/6 each. All Bowden Levers can be supplied in curved or straight patterns and left or right hand fitting.

We Specialise in MOTOR CYCLE REPAIRS



MOTOR CYCLE MIRRORS.

122/12.

LUCAS

"KING OF THE ROAD" (Illustrated).

Gives a wide field of vision, and is adjustable in any direction. 13/6 each.

It can be turned inwards when negotiating narrow passages.

CLAYRITE.

A good mirror fitted with 3½ in. diameter convex mirror. 10/- each.



123/12.

Bicycle Observation Mirror.

Designed to ensure the safety of the cyclist by giving him an eye to see the swifter moving vehicles seeking to pass him on the road.

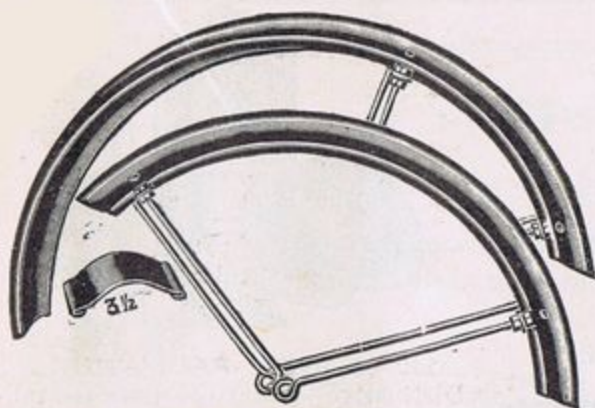
5/- each.



47/19—SPRING-ON OIL-HOLE COVERS.

For Hubs and Pedals. Easily fitted. All Sizes. 3d. each.

It is not safe to use a Motor Cycle without a Rear Light.

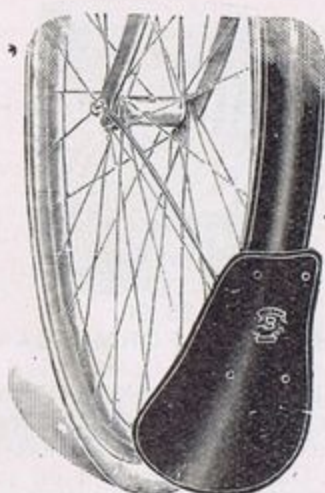


87/10—MOTOR CYCLE MUDGUARDS.

Enamelled black, complete with Stays.
 3in. wide .. 17/6 pair. Front 9/-, back 10/6.
 3½in. " .. 20/- " " 10/- " 12/6
 4in. " .. 22/6 " " 10/6 " 14/6
 Fitting Extra.

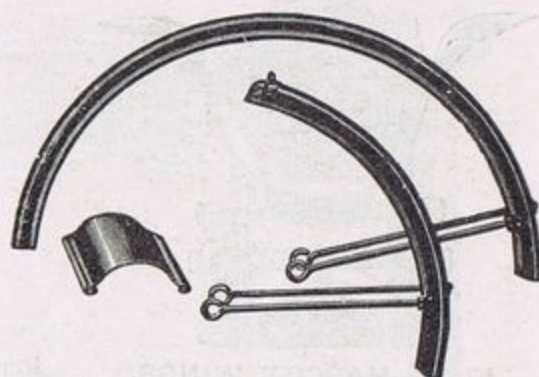
SIDE-CAR GUARDS.

Plain Guard with 3-Stay Attachment .. 25/-
 Same Guard with Side Wing .. 35/-
 Fitting extra.



83/8. MUDGUARD FLAPS.

Extra large.
 2/6 each.



83/10—STEEL MUDGUARDS.

Best quality only. Complete with stays.
 6/6 pair.

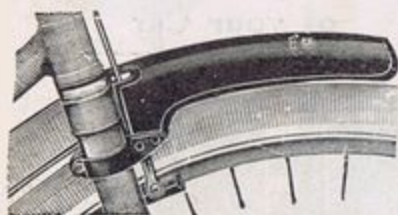
B.S.A. Mudguards—The very best Steel Guards made. 17/6 pair.

B.S.A. Pattern.
 Front Guards only .. 8/- 2/9
 Back " " .. 10/- 4/-

B.S.A. MUDGUARD PARTS.

For B.S.A. Guards only.

Stays complete with Eyes and		
Bridge Piece set	10/-	
Bridge Piece each	9d.	
Stay Rods, plated "	1/-	
Stay Eyes "	9d.	
Back Slides (yoke) "	1/-	
Front Joints "	1/-	
Front Joints "	1/-	
Fork Crown Screws "	3d.	



92/10—BLUEMEL'S EXTENSION GUARDS.

Strongly made in Celluloid. Fit any machine. 2/6 each.



MUDGUARD CLIP.

For Fork Crown.
 6d. each.



88/25.

Spark-C is an Ignition Tester manufactured by the Westinghouse Lamp Company, by means of which flashes appearing at the window of the tube indicate the condition of the ignition system.

Spark-C tells at a single glance, and by distinctive, unmistakable signs, whether a spark plug is dead or active.

Spark-C tells whether there is a break in the wires, and where; whether there is current leakage, or irregular firing.

Spark-C tells whether the spark gap is normal, too wide or too close.

Spark-C tells whether the spark plug is clean or dirty; whether it receives and utilises the proper volume of current or only a part of it.

Spark-C saves those precious moments lost in disconnecting wires or unscrewing spark plugs.

Spark-C earns many times its cost in saved spark plugs, and economy in petrol, due to the maintenance of high ignition and engine efficiency.

Spark-C is about the size of a large fountain pen, and should be in the tool box of every motorist. Full instructions with each one.

5/- each

We do not pay postage on Mudguards

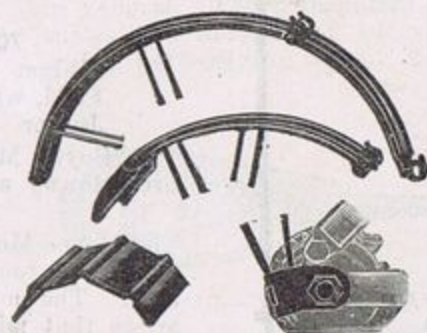
POSTAGE EXTRA per pair, 2/1



40/13.

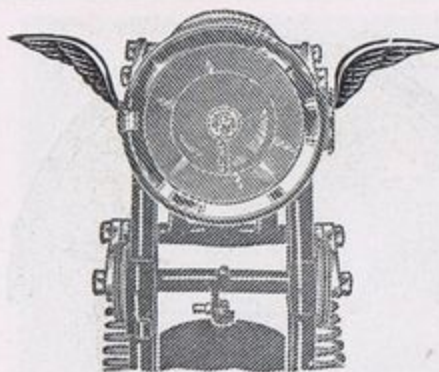
ADJUSTABLE MUDGUARD BRIDGE.

For round, oval or D stays.
 Complete with bolts and nuts.
 1/6 each.



104/10—BLUEMEL'S PROTECTOR MUDGUARDS.

Made of black celluloid. These guards can be quickly attached or removed. Exceptionally light and strong. Cannot rattle or rust. 12/6 per pair.



52/20—MASCOT WINGS.

These pleasing mascots are designed for fitting to the head lamp, in which position they add considerably to the appearance of the machine. Beautifully made and silver plated.

- No. 1 size .. 6/6 pair
- No. 2 size .. 8/- pair

87/20.

KICK PLATES.



Aluminium, 11½" x 3", 4/- each
 Brass-plated, 11½" x 4", 6/6 "



83/10—BLUEMEL'S SPECIAL DETACHABLE EXTENSION.

Can be quickly attached or detached. Affords good protection. 3/- each.



56/13. 55/13.

MUDGUARD STAYS.
 Complete for Steel Guards.
 Single .. 6d. each
 Double .. 9d. each



83/20.

PERMATEX FORM-A-GASKET.

Permatex Form-A-Gasket is a gasket material in heavy liquid form that is used in place of gaskets. Its basis is Permatex Heat Resisting Gasket Cement. Form-A-Gasket is brushed on to the surfaces that are to be united. It dries quickly, producing a solid layer of heat-resisting material, that will stand exceptionally high pressure, and is unaffected by gas, oil or water.

Form - A - Gasket not only produces superior results on cylinder heads, carburettors, manifolds, crank cases, gear cases and similar parts, but it saves much time in motor assembling and saves much gasket material that otherwise is wasted.

Per 4oz. tube, 3/-.

We always have a fine range of Used **MOTOR CYCLES**
 WRITE FOR LIST



70/19—BOYCE MOTO-METER.

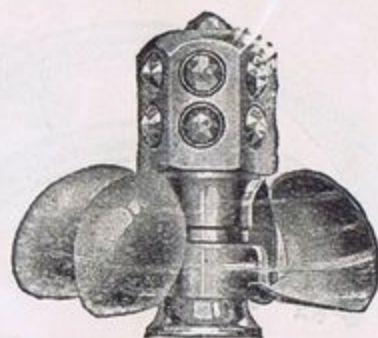
- Midget 28/6 each
- Ford, with Radiator Cap .. . 25/-
- Junior 37/6 "

The Boyce Moto-Meter will save you money and avoid breakdowns and repairs just as it is doing daily for millions of other motorists.

The Boyce Moto-Meter tells you at a glance if your motor is running too hot, too cool, or at a safe normal temperature. The moment any mishap or abnormal condition arises that might subject your engine to the ravages of excessive heat and friction, Boyce Moto-Meter warns you before damage is done.

That's how it eliminates engine troubles and repair bills. That's why your car deserves one.

We especially recommend Boyce Moto-Meter for such cars as Overland, Studebaker, Dodge, Cadillac, Buick, Reo, Chandler, Cleveland, Ford, and Oakland.

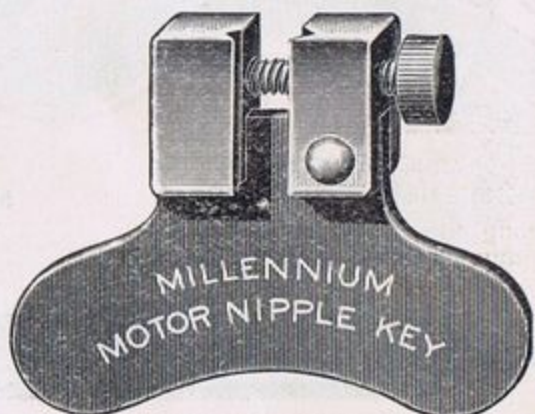


140/14—GEM RADI-WHIRL.

Distinctive—Rotative—Ornamental. Fits to radiator cap. At night when lit up the varied coloured jewels throw a radiant reflection on the whirling wings that is most pleasing to the driver and commands attention of the passer-by. 12/6 each.

MASCOTS

Improve the Appearance of your Car



112/9—MOTOR NIPPLE KEYS.

For Motor Car or large Motor Cycle Spokes. 7/6 each.



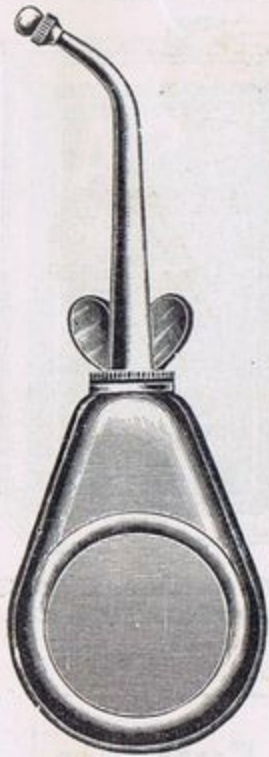
116/9.

THE QUAD NIPPLE KEYS.

This is the finest tool of its kind in the world. Will outlast many cheaper ones. 3/6 each. Cheaper quality, same design, 1/6 each.

To take one size only, 1/- each.

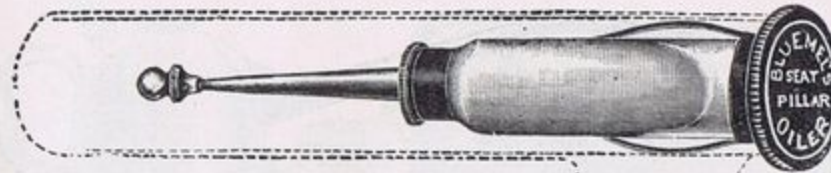
3-in-1 Oil rubbed on all plated parts will keep them from rusting.



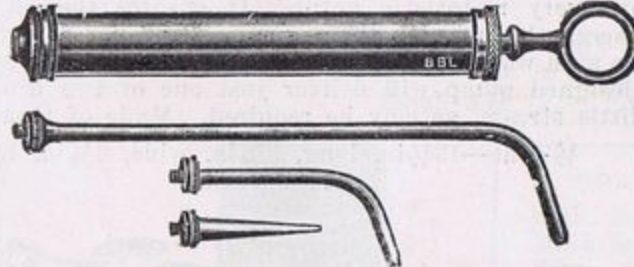
48/10.
BEST QUALITY ENGLISH OILCAN.
1/6 each.



87/13.
MOBIL OILS.
Stocked in all grades, A, B, BB, and E.
8/6 per gall.



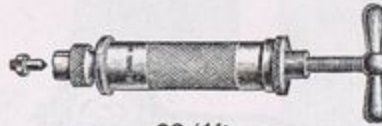
53/10—**SEAT PILLAR OILCAN.**
Gives more room in tool-box.
2/- each.



38/10—**OIL SYRINGE or SQUIRT.**
Complete with 3 spouts as shown. 6/6 each.



62/10.
PETROL INJECTOR or SQUIRT.
4/6 each.



88/18.
FNOT'S MOTOR CYCLE GREASE GUN.
Specially designed for lubricating motor cycle spring forks, hubs, sidecar shackles, etc. Instant "push-on" application. Very high pressure. Easy to use, clean to handle.
Gun, 9/-.
Nipples, 1/4 x 26T, 6d. each.



46/10.
OIL SQUIRT.
For awkward places.
5/6 each.



59/26 — **TRANSPARENT OILERS.**
A great improvement on Oilers in general. The transparent reservoir shows the amount of oil contained, and is perfectly oil-tight. 2/- each.

EXCEPTIONAL SELECTION
in all kinds of
OIL CANS & FEEDERS



94/28—**LUCAS FORCED-FEED OILER.**
An exceptionally neat pattern, made from solid brass. Nice to handle, of ample capacity, and being fitted with a thumb-operated force-pump the oil is emitted under pressure.
13/6 each.



64/10.
POCKET OILCAN.
Cannot leak.
1/- each.



51/10—**THE LUCAS "VESTA" OILER.**
The filling screw is provided with a slot for taking a coin for screwing tightly. All oilers thoroughly tested in England. The best that money can buy.
2/- each.

Aluminium Number Plates will improve the appearance of your Car.



23/6.

PRICE'S MOTOR CYCLE OIL.

The best Oil on the market.
In bulk only.

1/8 gallon	1/6
1/4 gallon	2/6
1/2 gallon	4/6
1 gallon	8/6



72/21.

LUCAS FORCED-FEED OILER—ENGINEER'S PATTERN.

The Lucas Forced-Feed "Motoiler" is a necessary item in every motorist's outfit. It ensures the oil getting there, whereas with the ordinary drip oiler one can never be sure whether the oil is dripping or not. The specially-designed pump will deliver just one or two drops, or a little stream, as may be required. Made of tinned steel.

1/2-pint—13 1/2 in. long, 3 3/4 in. wide, 4 1/4 in. high.
11/6 each.



37/6—B.S.A. CYCLE LUBRICATING OIL.

1/6 per tin.



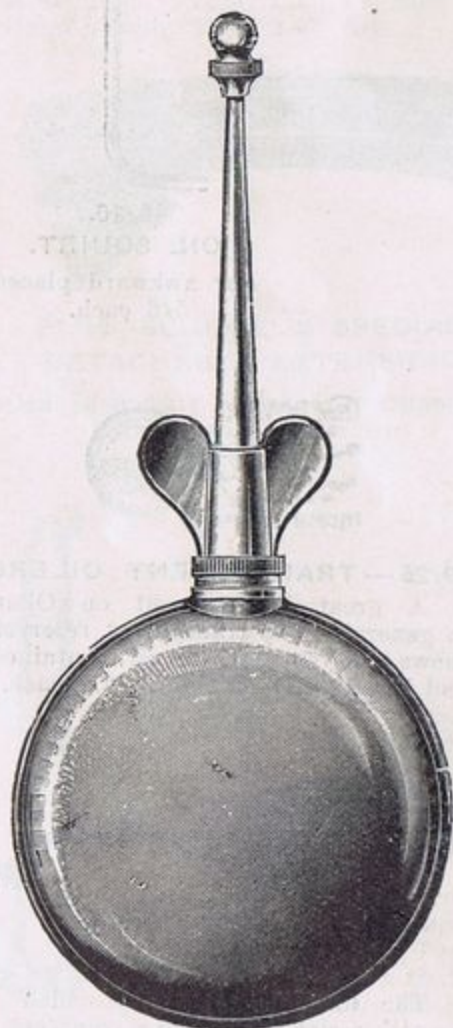
67/27—KAYES OILCANS.

Fitted with patent automatic slide feed hole—cylindrical valve thumb button and solid steel riveted handle.

1/4 Pint	4/- each
1/2 Pint	6/- each

**Fuller's
Cup
Grease**

**1/6 per lb.
tin**



41/19—MOTOR CYCLE OR WORKSHOP OILCANS—A good Oilcan of handy size, 3 1/4 in. body. Filler plug at bottom. 2/6 each.



56/10.

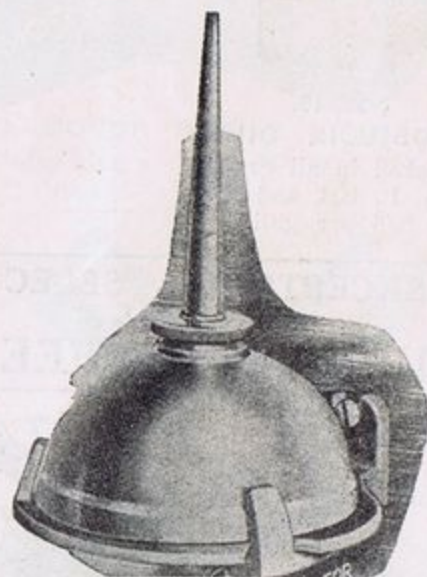
LUCAS PETROL SQUIRT.

Fitted with special end to spout with fine bore and petrol-tight screw tip. 2/6 each.



3-IN-1 OIL.

Small bottle ..	1/-
Large bottle ..	1/9
Handy Can ..	1/9

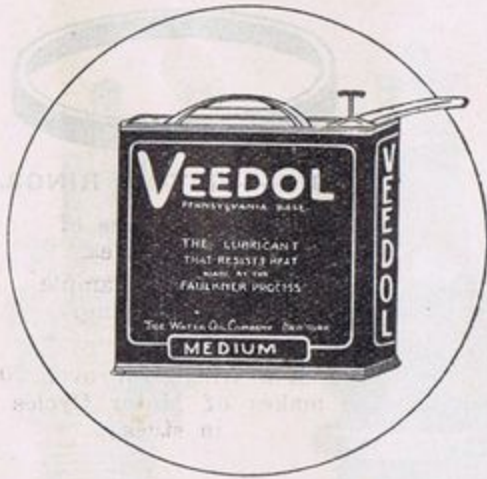


65/19—OILCANS AND HOLDERS.

A very handy and convenient device for attaching to underside of bonnet. Oilcan is always securely held, and yet instantly available.

Complete ..	4/6 each.
Holder only ..	2/- each.

A Shaler 5-Minute Vulcanizer is handy to carry and easy to use.



VEEDOL OIL.

Particularly recommended for Oaklands. When ordering please mention model of car. Stocked in three grades—Heavy-special, Heavy, and Extra Heavy.
8/6 per gallon tin.



47/24.
"SEARCHLIGHT" BURNING OIL.
1/3 per tin.



50/24—"NONCLOG"
LUBRICATING OIL.
1/3 per tin.



30/6.
DUNLOP MOTETTE REPAIR OUTFIT.

Specially prepared for repairing detachable tyres.
1/6 each.

ILLUSTRATED
Two THIRDS
ACTUAL SIZE



17/6.
DUNLOP "MIDGET" BICYCLE OUTFITS.
9d. each.



13/6—"PATCHQUICK" BICYCLE OUTFITS.
These Outfits are superior in every way, and complete as illustrated.
Small size, 1/-; large size, 2/- each.

"PATCHQUICK" OUTFITS, both for Bicycles and Motors, are much better than the usual Outfit sold. When the patch is properly put on, you simply cannot get it off without tearing the tube. Likewise they will not peel off on the hottest day. Order an Outfit and try them.

WE PAY THE FREIGHT ON ALL CASH ORDERS



49/20—SURE SEAL PATCH OUTFIT.
An all-rubber patch—works instantly—self-vulcanising. Holds permanently.
No. 1, Medium, 36 sq. in. . . . 2/6
No. 2, Large, 81 sq. in. . . . 3/6



11/6—"PATCHQUICK" MOTOR CYCLE OUTFITS.
Contents—1 doz. prepared Patches, tube of solution and tube of chalk in a good strong tin with a patent locking lid. 4/- each.

"Patchquick" Patches won't come off. Very quickly put on.

ILLUSTRATED
ONE THIRD ACTUAL SIZE



No Car is
complete without a
"PATCHQUICK" EQUIPMENT

No. 7/6.

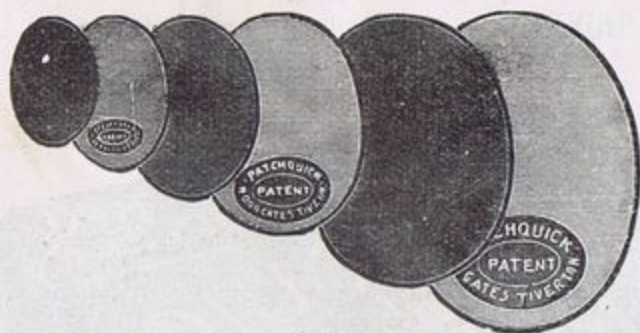
"PATCHQUICK" MOTOR CAR OUTFITS.

With these Outfits an inner tube can be permanently repaired more quickly than a new tube can be substituted, and if properly fixed " 'Tis the patch that won't come off," even if your tyre gets overheated. No. 1, 6/9.



29/6—PATCHING RUBBER.

Best quality only, 2/6 per square foot.
Also put up in 3d. and 6d. packets.



28/6.

GENUINE PATCHQUICK PATCHES.

Oval shape only.

For Car and Motor Cycle—

- No. 1, 2d. each.
- No. 2, 3d. each.
- No. 3, 5d. each.
- No. 4, 7d. each.
- No. 5, 1/- each.
- No. 6, 1/6 each.

"Patchquick" Cycle Patches, when used with "Patchquick" Solution, will not come off, and will make a much better job than ordinary Rubber and Solution. Try them.



69/14—PISTON RINGS.

For all makes of
Motor Cycles.

Kindly send sample
when ordering.
2/6 each.

Piston Rings for over 20
makes of Motor Cycles
in stock.



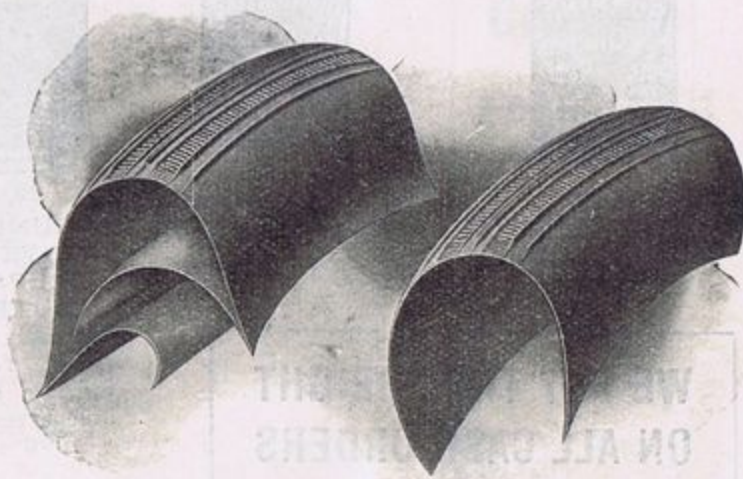
No 1204

71/9.

**FOOTPRINT
PUNCHES.**

6in., 3/- each.
7in., 3/6 each.

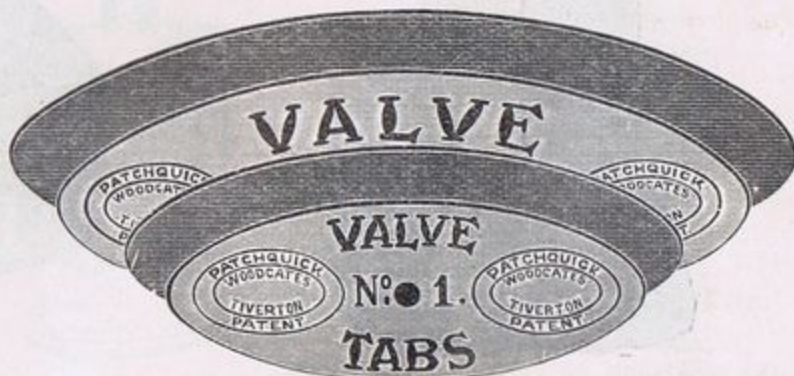
**"PATCHQUICK"
PATCHES
ARE AS GOOD
AS VULCANIZING
AND QUICKER
TO USE**



50/6—OXFORD REPAIR BANDS.

For Bicycles.

In three sizes. 6d., 9d., and 1/-.



14/6—"PATCHQUICK" VALVE TABS.

For Motor Cycles and Cars.

- No. 1 .. 1/3 each.
- No. 2 .. 1/8 each.
- No. 3 .. 2/6 each.
- No. 4 .. 3/6 each.

"Patchquick" Patches won't come off. Very quickly put on.



KLG PLUGS.
Stocked in Metric thread only.
J1, 7/6. HS1, 7/6.
HS3, 10/6.
144 and 244, 15/- (Special Racing).



17/28. BENTON PLUG.
For all makes of engines. $\frac{7}{8}$ in. fitting only.
3/6 each.



140/19. SPLITDORF PLUGS.

The Plug with the Green Jacket. Easily cleaned, and a Plug we can guarantee to stand up to any Motor Cycle work.
Stocked in $\frac{1}{2}$ in., $\frac{7}{8}$ in. and Metric thread.
5/- each.



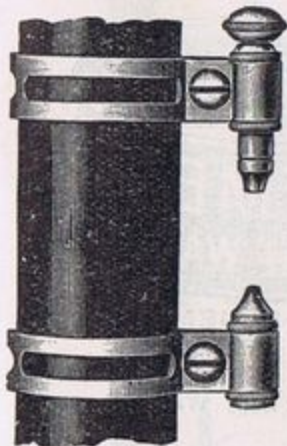
68/10—SPHINX PLUGS.

Another first-class English job.
5/- each.
Miniature size only.
Total length $2\frac{1}{4}$ in.



72/10. LODGE PLUGS.
One of the most popular Plugs made. Metric $\frac{1}{2}$ in. and $\frac{7}{8}$ in. fitting.
5/- each.

BR4 THE FAMOUS LODGE RACING PLUG.
Metric thread only.
15/-.

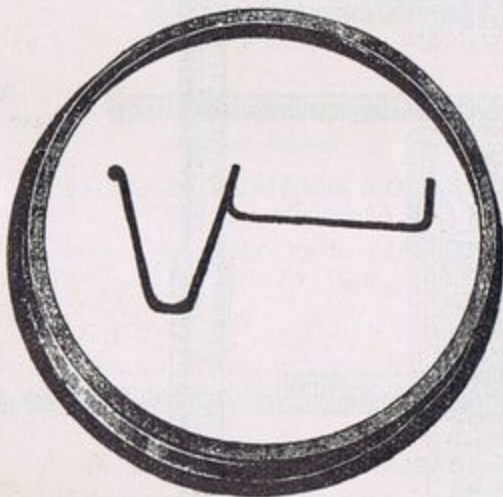


33/22. BLUEMEL'S PATENT LOCK PUMP CLIPS.
Pump cannot jump out.
2/- pair.

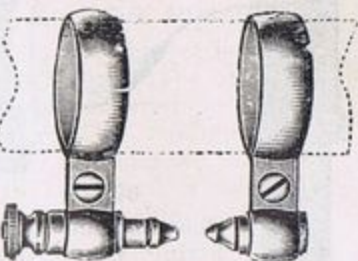


48/13—SPARK PLUG CLEANING BRUSH.
2/- each.

See also page 61 for Spark Plug Cleaning File.



68/14—BELT RIM PULLEYS.
For lin. V-Belts.
Groove is correct, 28 deg. All rims are measured from outside to outside for Width and Diameter.
Sizes—
20in. x $2\frac{1}{2}$ in. 19in. x $2\frac{1}{2}$ in. 18in. x $2\frac{1}{2}$ in.
20in. x $2\frac{3}{4}$ in. 19in. x $2\frac{3}{4}$ in. 18in. x $2\frac{3}{4}$ in.
20/- each, not fitted.



23/22—BEST QUALITY PUMP CLIPS
1/6 pair.



18/22—TERRY'S SPRING-ON PUMP CLIPS.
1/6 pair.

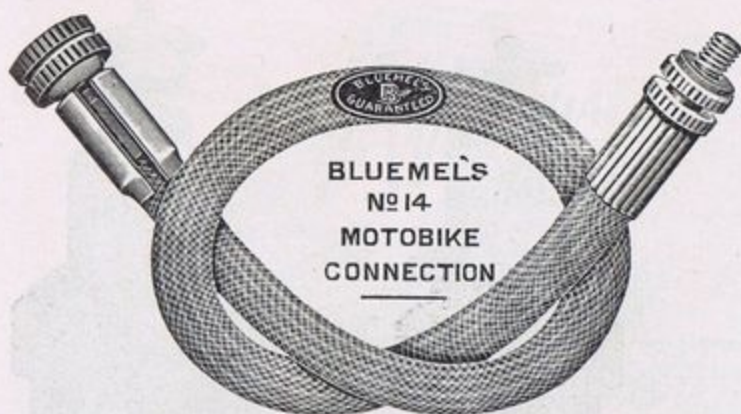


13/28—UNIVERSAL MOTOR CAR PUMP CONNECTIONS.
1/6 each; Refills, 6d. ea.

47/26. A.C. TITAN PLUG.
 $\frac{7}{8}$ in. long reach, 5/- each.
This Plug is made specially for Oakland Cars, having a small shoulder enabling it to pass between the valve lifter rods easily.
We have had wonderful results from this Plug, and can thoroughly recommend it to all Oakland owners.



Always wise to have a spare Plug in your Tool-kit.



71/22—MOTOR CYCLE CONNECTION.
Extra long. Best quality.
1/6 each.

SIGNA
No 329



61/20. LUCAS "SIGNA" REFLECTOR.
Has a wide angle of reflection. Far superior than the cheaper brands available.
1½ in. ruby lens.
4/6 each.



64/14—PUMP TUBING.
Very best quality, 5-ply, for Car use .. 1/3 foot.
Very best quality, 3-ply, for Bicycle use .. 9d. foot.

MICHELIN TYRE TESTER

The Michelin tester is of the clock face type and registers up to 40lbs. pressure. Complete in neat fitting tin box.
4/6 each.

Send Us Your REPAIRS

WE RETURN THEM PROMPTLY



107/22—BLUEMEL'S PUMP CONNECTIONS.
Made of best quality rubber—silk braided. Will fit all standard pumps and is the best Connection made. 9d. each.

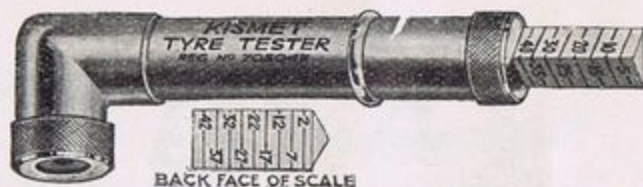


62/22—PUMP CONNECTIONS.
To suit all Pumps.
6d. each.



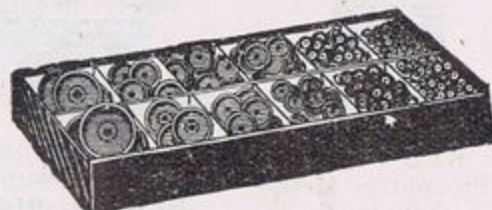
42/22. PLATED MOTOR CYCLE PUMP.

A good brass pump 18in. x 1in., heavily plated. Complete with long connection and foot strap.
7/6 each.



59/20.

KISMET BALLOON TYRE TESTER.
Reading up to 42 pounds pressure. The readings are distinctly divided and being on flat surfaces they are clearly defined. Strongly made throughout and silver plated.
7/6 each.



25/13—PUMP WASHERS.

Best quality. Stocked in all sizes.

1in. ..	4d.	2in. ..	9d.
1¼ in. ..	6d.	2¼ in. ..	9d.
1¾ in. ..	6d.	2½ in. ..	1/-
1½ in. ..	6d.	3in. ..	1/-
1¾ in. ..	6d.		



66/13—BLUEMEL'S PUMP WASHERS.
¾ in. and 7/8 in., 3d. each.
These are the best Washers made.



69/22.

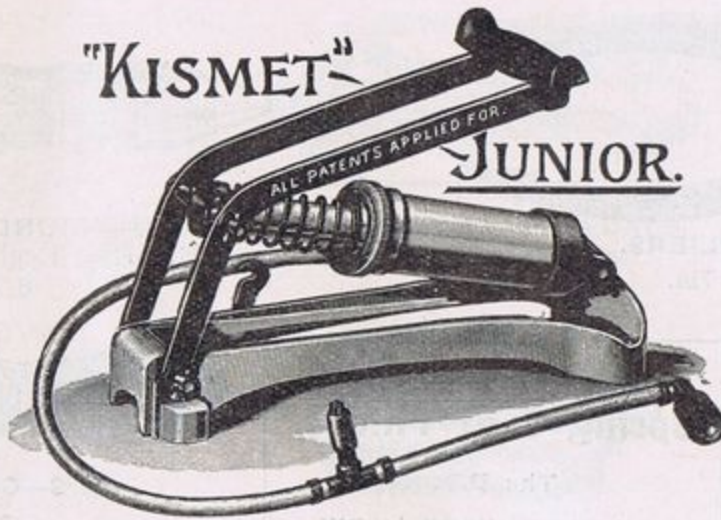
Showing method of fitting Connections in Pump. Springs in; no screwing.

When ordering Pedals or Pedal parts, safest to send old part as sample.



119/14—THE APEX JUNIOR PUMP.

A powerful, strong, attractive Pump, 18in. x 1 1/4 extra heavy steel barrel. Equipped with a leak-proof check valve and quick-action connection suitable for all valves. Great Value at 8/6.



109/24—KISMET FOOT PUMPS.

Evolved on the compound or two-stage principle. Friction bearings are reduced to a minimum, the specially designed spring giving the pump a velvet-like action. Complete with gauge.

Fitted with unbreakable pressure gauge, extra long flexible tubing and universal connector. Packed in good wooden box with lid.

Junior Model	£2/15/-	each
Duplex "	£3/17/6	"

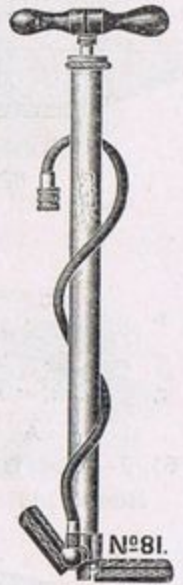


108/24.

TURNER BALLOON TYRE PUMP.

This pump is specially designed for the balloon tyre. It is a volume rather than a pressure type pump and is so constructed as to give the comparatively low pressure required speedily—and with the least possible exertion. Complete with universal connector.

38/6 each.



No 81.

13/22. MOTOR TYRE PUMP.

Polished brass barrel, 20 x 1 3/8. Complete with gauge and Schrader valve connection. £1/5/- each.



160/19.

BLUEMEL "CYCLONE" MOTOR PUMP.

The pump barrel is solid-drawn brass tube of stout gauge, covered in celluloid. The folding feet and detachable handle will be found a convenience for packing. Fitted with a 36in. connection and an accurate pressure gauge registering 120lbs. per square inch. 42/6 each.

BICYCLE REPAIRS.

Send your bicycle repairs to us — competent mechanics and a fully equipped workshop always at your disposal.



12 INS X 7/8 INS WEIGHT 3 1/2 OZS



15 INS X 7/8 INS WEIGHT 4 1/2 OZS

63/22—BLUEMEL'S NO-WEIGHT PUMPS.

The best Celluloid Pumps made.

12in. x 7/8in., 5/- each. 15in. x 7/8in., 5/6 each. 18in. x 7/8in., 6/- each.



45/22—HILL'S FAMOUS BRASS PUMPS.

Heavily plated; very strong. Will last a lifetime.

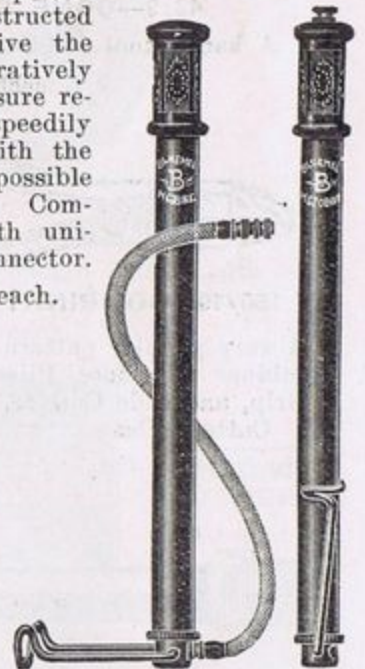
18in. x 7/8in. .. 7/- each.



38/22—BRASS NICKEL-PLATED PUMPS.

Complete with Connections.

12in. x 7/8in. .. 2/6 each 18in. x 7/8in. .. 4/- each. 15in. x 7/8in. .. 3/- "



17/22.

BLUEMEL'S SPECIAL METAL-LINED CELLULOID MOTOR CYCLE PUMPS.

With long Connections and Foot-strap. 15 x 7/8in. .. 7/6 each 18 x 7/8in. .. 8/6 "

A good Pump will save a lot of time and hard work.



52/9—SQUARE-NOSE PLIERS.
English manufacture. 7in.
5/6 each.



No.1874.
34/9—ROUND-NOSE PLIERS.
First-class English make. 6in.
6/- each.



51/9—COMBINATION PLIERS.
Rough plated finish. 4/3 pair.

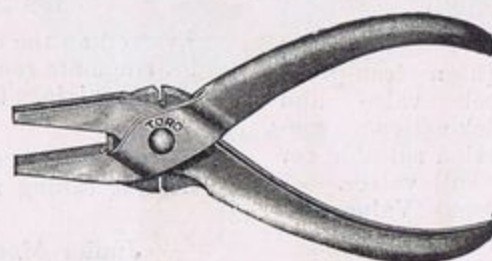
53—MOTOR CYCLE Spring Seat Pillars.
The D.Y.
The finest Spring Seat Pillar yet devised.
Suitable for any Motor Cycle, with a dropped top tube easily fitted.
40/- each.



42/9—CONE PLIERS.
3/3 pair.



17/9—PIPE TONGS.
Adjustable to four sizes. 7in.
3/6 each.



11/25—"TORO" CUTTING PLIERS.
Hardened and tempered Cutting Discs.
Extra Cutter between jaws.
6in. long. 2/- each.



43/9—CONE PLIERS.
A handy tool for awkward places.
3/6 each.

Indian Motorcycles
HENDERSON MANUFACTURING CO
Springfield, Mass.
INDIAN
Motor Cycles
Write for Terms



49/9—"FOOTPRINT" FIT-ALL PLIERS.
Indispensable to the Motorist, Gasfitter, or Odd-job Man.
Three adjustments by means of Screw:—
Firstly—Ordinary combination plier and grip for small tubes and wire-cutter.
Secondly—One jaw set below the other gives a grip like a pipe-wrench or spanner.
Thirdly—Jaws opened 1/2in. wider form gas plier for fair-sized tubes and nuts.
5/- each.



150/19—COMBINATION PLIERS.
A very popular pattern for general use. Combines Flat-nose Plier with Gas-burner Grip, and Side Cutters, two Shear Wire Cutters, Reamer, and Screwdriver.
6in., 5/6; 7in., 6/-; 8in., 7/- each.

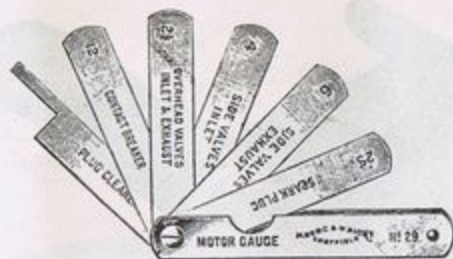


30/19. PEDAL PARTS.

	B.S.A.	Pattern.		B.S.A.	Pattern.
Spindles	.. 2/6	9d. each.	Barrels for Centres	4/-	1/6 ea.
Cones	.. 6d.	3d. "	Stays	.. 6d.	— "
Washers	.. 2d.	1d. "	" Screws	.. 6d.	— "
Nuts	.. 3d.	1d. "	Rubber Bars	.. 9d.	4d. "
Caps	.. 9d.	6d. "	" " Nuts	3d.	1d. "

LUSTRE POLISH.
Superior to all other polishes, and will put a brilliant finish on any polished, varnished, japanned or enamelled surface; is especially good for the cleaning and polishing of gold, silverware, nickel and brass.
Especially adapted to Automobiles, Carriages, or any finish exposed to the weather.
2/6 and 5/- per bottle.

We have a large assortment of Pliers to choose from.

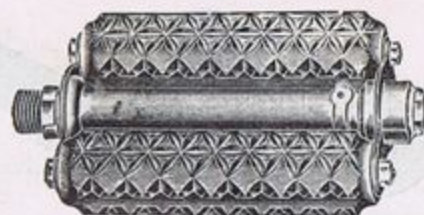


72/20.

MOTOR FEELER GAUGE — This gauge contains gauges for correctly setting spark gap, contact breaker, inlet valves on side valve engines, exhaust valves on side valve engines, inlet and exhaust on O.H.V. engines, and plug clearance. 4/6 each.



36/23—RAT-TRAP PEDALS.
Good quality. 5/- pair.



ANCLO No 30.
46/23—RUBBER PEDALS.
Full Rubber or divided. 6/6 pair.

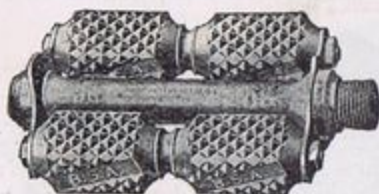


53/23—GENUINE B.S.A.
RAT-TRAP PEDALS.
23/6 pair.



40/23—LADIES' PEDALS.
7/6 pair.

We Pay the Postage



27/23—GENUINE B.S.A.
RUBBER PEDALS.

Either full Rubber or divided as showz. 23/6 pair.



123/19.
RADIATOR CAPS.

Made entirely of cast red brass, heavily plated. An improvement to any car.
Ford Size .. 3/6 each.
Other Sizes .. 12/6 each.

**B.
S.
A.**

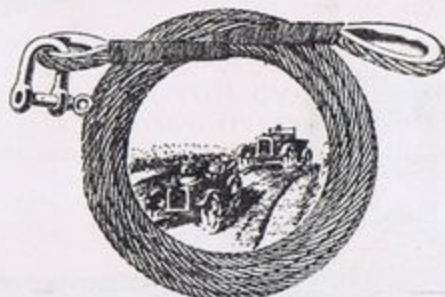
**Motor
Cycles**

.....

Write for
Details of
**EASY
TERMS**

THE HANDY EMERGENCY KIT FOR FORDS.

Contents—Cotter pins, lock washers, bolts and nuts, flat washers, castellated nuts, semi-finished nuts, cap screws, spool of wire, roll of tape. As essential as a spare tyre.
3/6 per box.



85/20.

THE ROLLO TOW ROPE.

3 tons breaking strain. Weight 2lbs., length 16ft. Packed in strong box 6½in. square.
15/- each.

WE RETYRE PRAMS AND TRICYCLES

Best quality tiring only used.

Prices do not include postage.

Diameter Wheel.

Diameter Tying.

Inches.	½ in.	9-16 in.	⅝ in.	¾ in.	1 in.
6	2/3	2/6	2/9	3/3	4/6
8	2/3	2/9	3/-	4/-	5/-
10	2/6	3/-	3/6	4/6	6/-
12	3/-	3/3	4/-	5/-	6/6
14	3/-	3/9	4/3	6/-	7/6
16	3/6	4/-	5/-	6/9	8/6
18	3/6	4/3	5/3	7/6	9/3
20	4/-	5/-	6/-	8/6	11/-
24	4/6	5/9	7/-	9/6	13/6

Postage Extra.



86/13.

PEDAL RUBBERS.

Best quality only. Stocked in all sizes. 6d. each.

RADIATOR CEMENT.
5/- per tin.

Emergency Kits are as essential as a Spare Tyre.


74/12—WESTWOOD STEEL RIMS FOR WIRED-ON TYRES.

Stocked in 24 x 1 $\frac{3}{8}$, 24 x 1 $\frac{1}{2}$, 26 x 1 $\frac{3}{8}$, 26 x 1 $\frac{1}{2}$, 28 x 1 $\frac{3}{8}$, 28 x 1 $\frac{1}{2}$, 28 x 1 $\frac{3}{4}$.
Drilled 36 or 40 holes.

Best quality Plated, with black centres and red lines 9/- ea.
Enamelled Black 7/6 ea.

For prices of Rims fitted, see p. 78.

**We Pay
the
Freight**


83/26—MOTOR CYCLE RIMS.

Round or D base. Best quality only.
Stocked in 24 x 2 $\frac{1}{4}$, 26 x 2 $\frac{1}{4}$, 26 x 2 $\frac{1}{2}$
26 x 3 15/- ea.
28 x 3 17/6 ea.

Special Indian Rims.

24 x 3 to take 25 x 3.85 tyres	12/6
26 x 3 " 27 x 3.85 "	14/9
28 x 3 " 28 x 3 "	15/-

Enamelled Black, drilled 40 holes.

Special B.S.A. Rims.

For Beaded Edge tyres—26 x 3.
Drilled and Countersunk. 20/- each.
When ordering, state Model—front or back wheel, and number of holes.

New Type Well Base.

For Dunlop Wired-on Tyres.
19 x 2 $\frac{1}{2}$ to take 25 x 2.75,
26 x 3.25 and 25 x 3
tyres 17/6 each
21 x 2 $\frac{1}{2}$ to take 27 x 2.75
and 28 x 3.50 tyres .. 17/6 each
Drilled and Countersunk, 40 holes.

WHEN ORDERING RIMS, BE SURE AND STATE WHETHER "WIRED-ON" OR "BEADED-EDGE" PATTERN. Nearly all Bicycles use "Wired-on"; Motor Cycles generally use "Beaded-Edge," with the exception of several of the 1927 Models.



117/14.

THE JUMBO SWITCH.

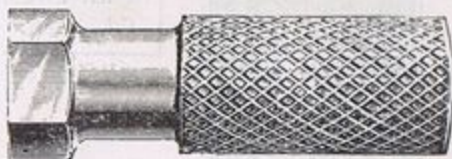
"For Every Electrical Use."

A scientifically constructed push and pull switch. To attach, it is simply necessary to drill a $\frac{3}{8}$ " hole, tighten down nuts, attach the wires and the job is complete. 2/6 each.

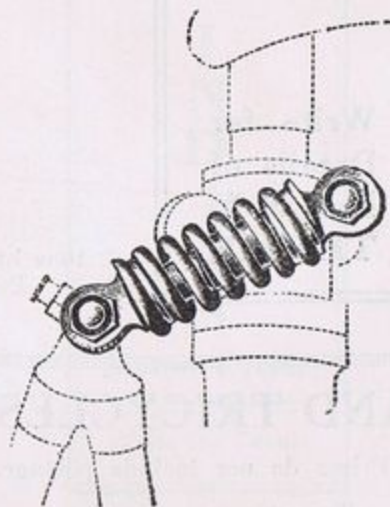

149/19—SPLIT PINS.

In boxes of 100 assorted.
1/- per box.

We pay the Freight or Postage on all CASH ORDERS for ACCESSORIES.


31/13—BACK WHEEL STEPS.

To take the place of the ordinary nut
1/- each.


10/19—TERRY'S PATENT SPRING LINK FOR MOTOR CYCLES.

Suitable for all link types of machines, this device takes the place of the usual fixed link. It allows for a horizontal, springing, telescopic action, absorbs end thrust and bar vibration.

Stocked for light-weight and heavy-weight machines.

22/6 pair.

£8000

Worth of
SPARE PARTS

for

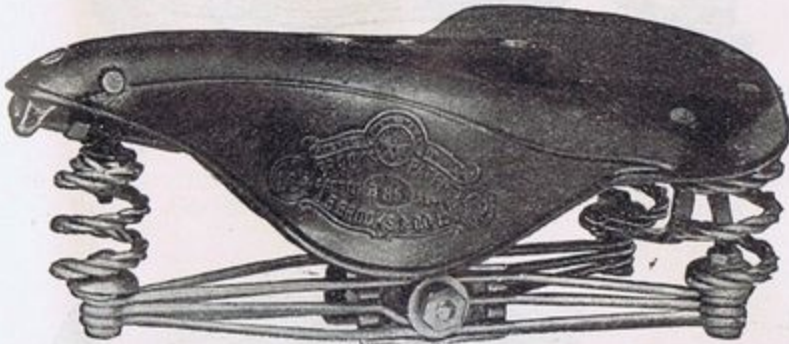
**B.S.A. and
INDIAN
Motor Cycles**

**OAKLAND and
PONTIAC CARS**

A box of Split Pins should be in every Motorist's Tool-box.

Brooks Saddles.

Quality First. To maintain that quality for which Brooks Saddles have since their introduction to the Public been so well known, is still the foremost policy adopted in the manufacture of all Brooks productions. It is in Brooks Saddles that you see excellence of design, thoroughness in construction and soundness of material all combined. Analysed thus, it can be understood why the finished product is so infinitely superior.

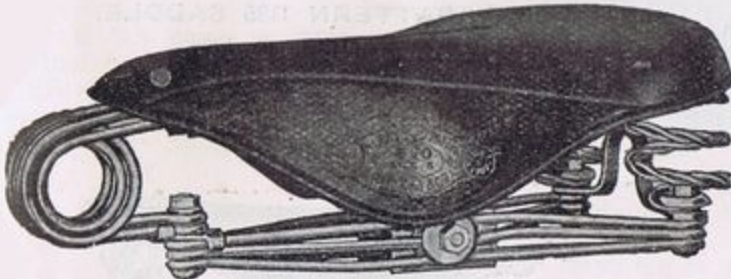


18/12—BROOKS B85 SADDLE, GENT.'S.

The most comfortable Saddle made. Fitted to our best bicycles. Enamelled springs. Gent.'s, 30/- each. Lady's, 30/- each.

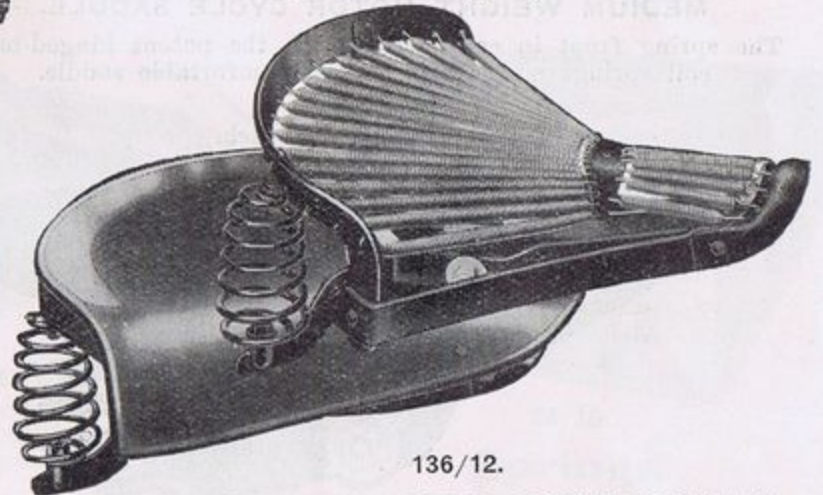


7/12—BROOKS CHAMPION SADDLE. For track racing, 23/- each.



2/12—BROOKS B90 SADDLE.

A large, comfortable Saddle, of extra strength. Enamelled Springs: Size 1, 30/- each; size 2, 32/6 each; size 3, 38/6 each.

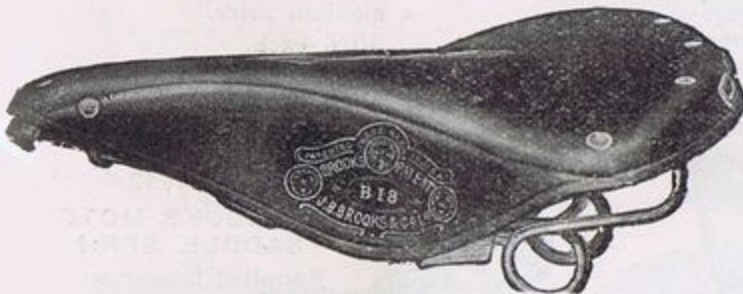


136/12.

TERRY DE LUXE MOTOR CYCLE SADDLES.

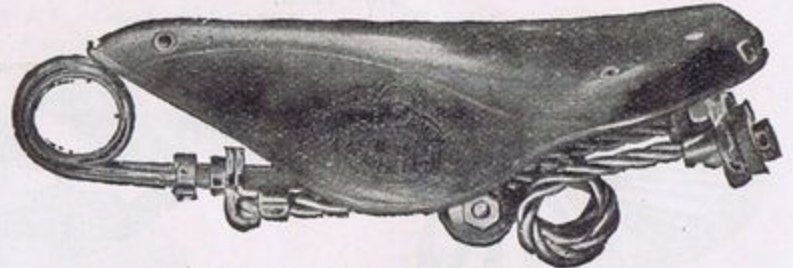
Large seating area. Dished framing and underslung. Luxuriously soft and yielding from back to peak and brimful of comfort.

No. 1, weight 8lbs. 9½ozs. £3/-/-
No. 2, weight 7lbs. 15ozs. £2/10/-



4/12—BROOKS B18 SADDLE.

A strong Saddle, made to stand hard work. Enamelled Springs, 17/6 each.



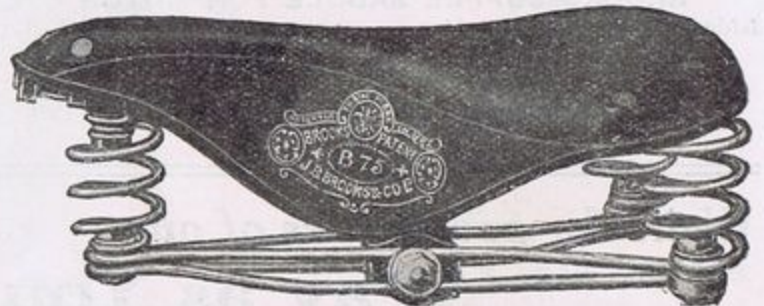
9/12—BROOKS B28 SADDLE.

A Saddle of extreme strength. Enamelled Springs, 30/- each.



6/12—BROOKS FAMOUS B10 SADDLE.

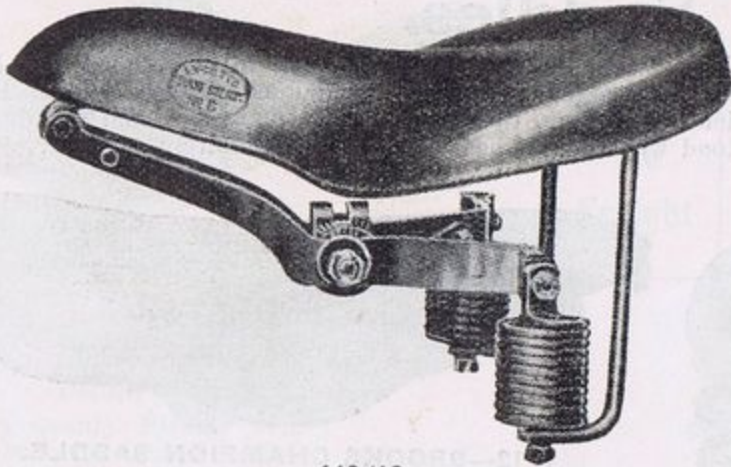
Giving a little more comfort than the B18. Finished off in Brooks' usual manner. Enamelled Springs, 23/- each.



1/12—BROOKS B75 SADDLE.

A lighter Saddle, built on same principle as B85. Lady's, 22/6 each. Gent.'s, 22/6 each.

Brooks B85 3-coil Saddle is the most comfortable made.

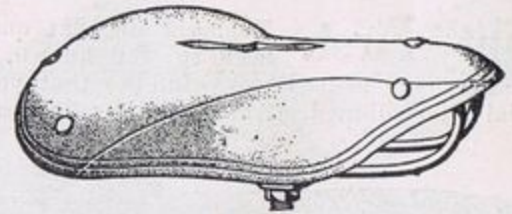


119/12.

MEDIUM WEIGHT MOTOR CYCLE SADDLE.

The spring front in conjunction with the patent hinged-back coil springs makes this a most comfortable saddle.

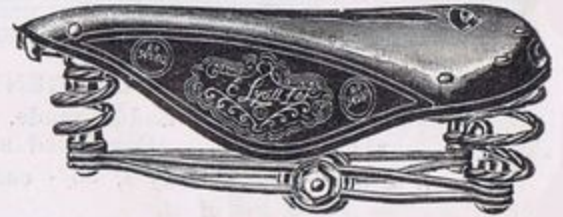
25/- each.
Spare Springs, 3/- each.



88/20.

TRICYCLE SADDLE.

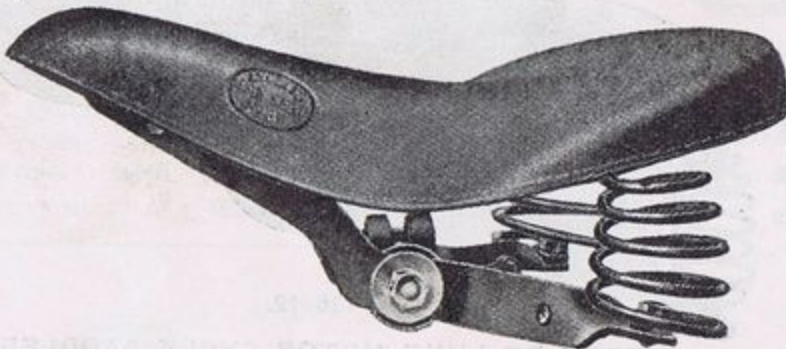
3 coil springs. Adjustable clip.
10/- each.



21/12—**PATTERN B85 SADDLE.**

A Comfortable Saddle.
Second only to Brooks.

15/- each.



120/12.

LIGHTWEIGHT MOTOR CYCLE SADDLE.

Gives a wonderfully sure and comfortable seat, and is specially adapted for machines of small horse power.

15/- each.
Spare Springs, 2/6 each.



PATTERN B10 SADDLE.

A first-class English Saddle at a medium price.

10/6 each.



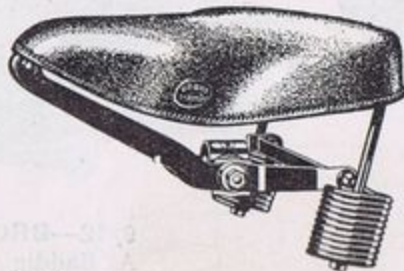
59/21—60/21.

BROOKS SUPPLE SADDLE FOR MOTOR CYCLES.

Rides like a spring mattress—springs are covered with a thin leather shield, a layer of thick felt, and over all the morocco leather.

£3/10/- each.

Seat Measurement: 13½in. front to back; 14½in. wide.
Weight, 8lb. 4oz.



37/12.

BROOKS MOTOR SADDLE SPRINGS.

Supplied in any weight—
10-12 stone, 12-14 stone,
14-16 stone.

Large Outer Spring,
3/6 each.

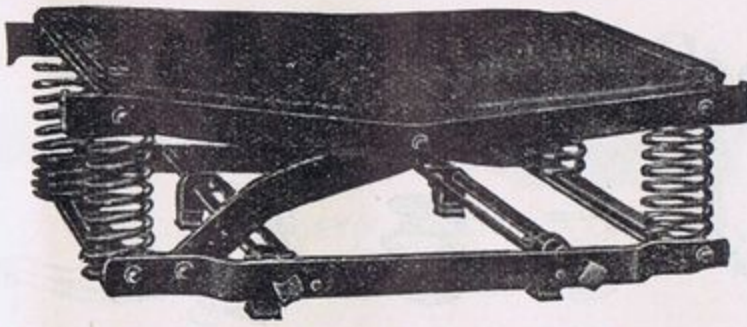
Small Inner Spring,
2/- each.

Write for particulars of our

“Pay as You Please” Plan

on B.S.A. and INDIAN MOTOR CYCLES.

When ordering Saddle Springs, please send broken one as sample.

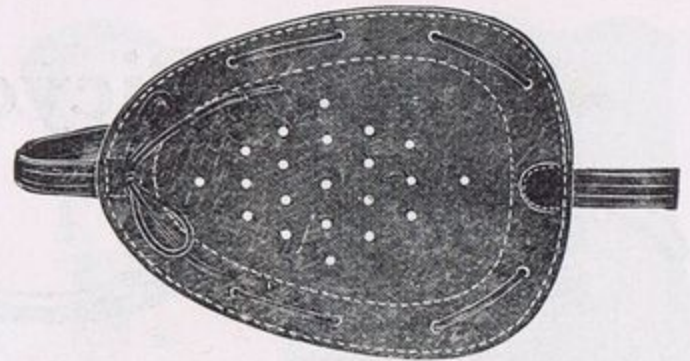


98/10—TAN SADDLE PILLION SEAT.

The most comfortable Pillion Seat made. Constructed on sound lines. Easily attached to nearly all motor cycles.

£2/- each.

Junior Model, 25/- each.

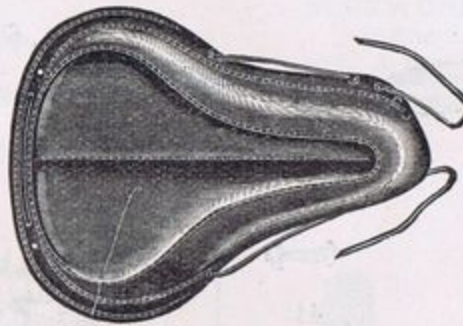


25/20—FELT SADDLE COVER.

Made of good quality Felt and fitted with tapes and laces.

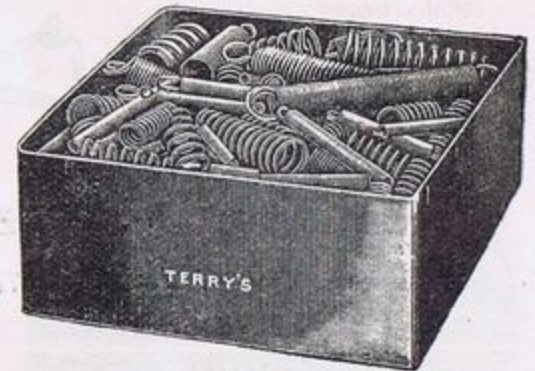
Large size	..	..	..	2/6 each
Small	..	..	..	1/6 "
Motor cycle size	..	..	..	4/- "

MOSELEY FLOAT ON AIR CUSHIONS — Constructed on a simple but perfect system which provides complete insulation from all shocks and vibrations. Owing to the special construction of these Cushions the air is not driven away from the point of pressure as in other air cushions, the weight being distributed over a coiled tube.



29/20—PADDED SADDLE COVER

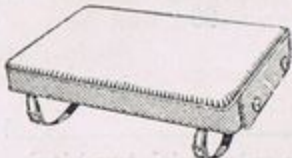
—Made of best quality Felt well Padded. Laces are provided for retaining in position. 2/6 each.



36/19.

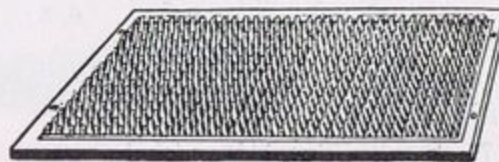
Springs.

SPRINGS, in every conceivable shape and size, made by Terry's, the best spring makers in the world. Our stock of Springs runs into five figures. If the Spring you want is made, we are almost sure to have it.



43/20 — Saddle Cushion — To fit saddles 14in. across. 20/- each.

43/20—Pillion Cushion—14 x 9 x 1½. 25/- each.



39/20—RUBBER MAT—Good rubber mat in aluminium frame. 12 x 8½in. 7/6 each. Spare Rubbers, 3/9.



42/13.

MOTOR CYCLE STAND CLIP. 2/6 each.

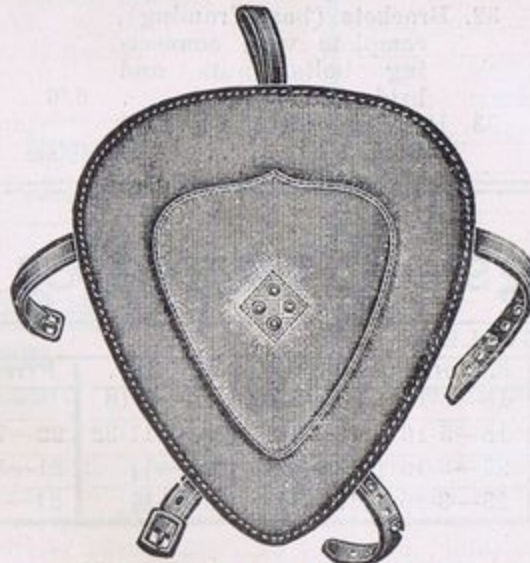
For Saddle Parts
See Page 56



139/19.

THE HOLDTIGHT SADDLE COVER.

Will fit any saddle. Method of fastening makes it impossible for the cover to become displaced. Made in good quality double felt. 2/6 each.



23/20 — WATERPROOF SADDLE COVER—A perfectly fitting saddle cover made with a nose. 3/6 each.

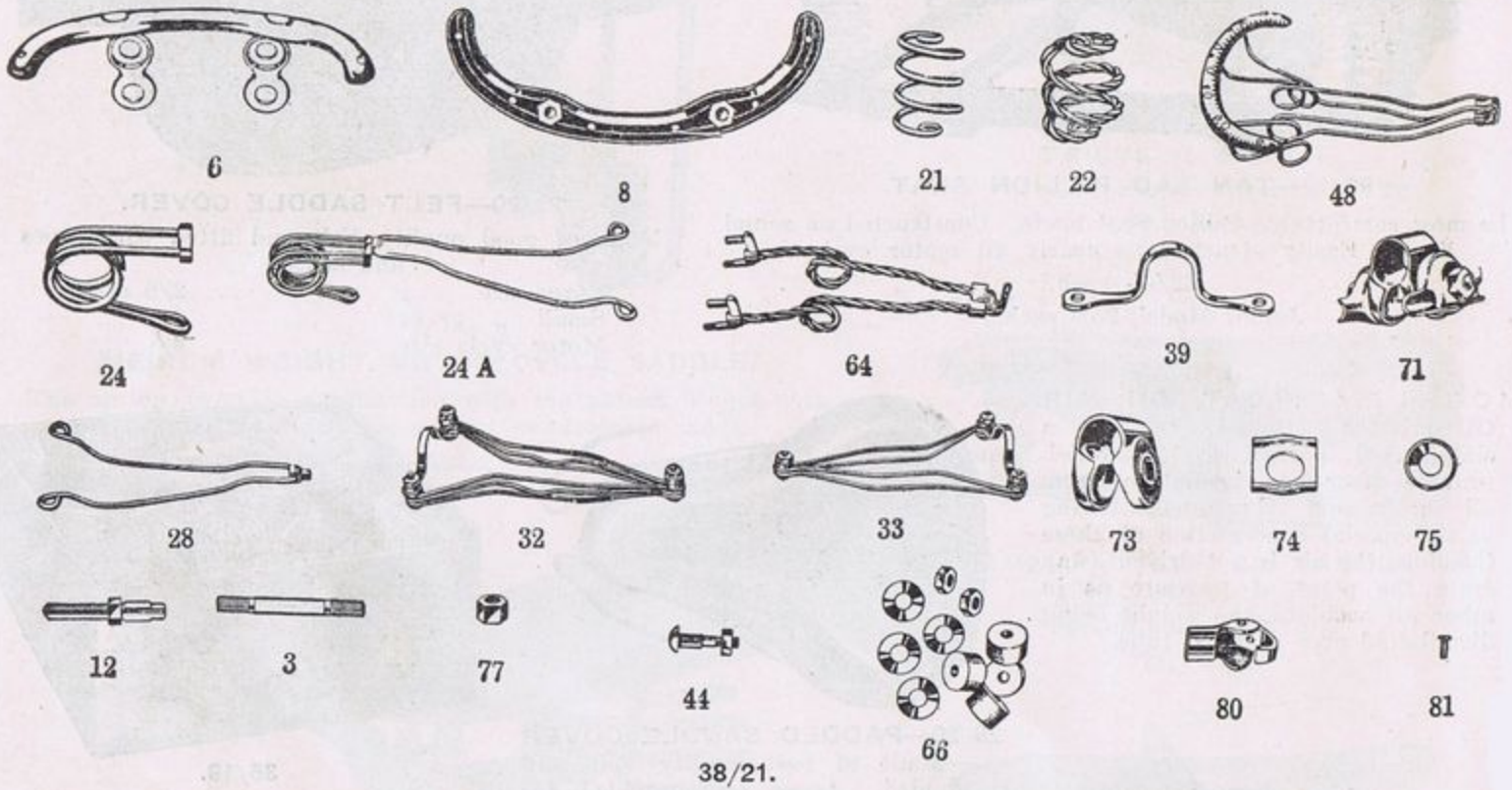


45/11—BICYCLE SEAT PILLARS. Plated. All sizes.

Genuine B.S.A.	..	..	5/6 each
Pattern B.S.A.	..	..	3/6 each

Always send old part as sample—ensures the right fitting being sent you.

Brooks Bicycle Saddle Parts.



<p>No. Each.</p> <p>6. Back Plates. B28 complete with buffer plates 5/-</p> <p>8. Back Plates for all other saddles .. 2/6</p> <p>21 { Coil Springs, plain wire, enamelled .. 1/3 Coil Springs, plain wire, plated .. 1/6</p> <p>22 { Coil Springs, twisted wire, enamelled .. 1/6 Coil Springs, twisted wire, plated .. 2/-</p> <p>48. Frames, with back plates, B10, B18, B17 .. 6/-</p> <p>24. Front Springs, B28, B90 4/9</p>	<p>No. Each.</p> <p>24A. Front Springs, complete with Tension Rod .. 6/6</p> <p>64. B28 Main Spring, with Tension Piece .. 8/6</p> <p>39. Bridges for rear of 3-coil saddles .. 1/-</p> <p>71. Saddle Clips, 7/8in., nickel-plated .. 5/-</p> <p>28. Upper Frame, with Tension Piece, B75, B85, B90 .. 2/3</p> <p>32. Brackets (base framing), complete with connecting bolts, nuts and bridges, B85, B90 .. 6/6</p> <p>33. Brackets, ditto, for B75, B90, B70 .. 6/-</p>	<p>No. Each.</p> <p>73. Loop only (with two bits) 1/6</p> <p>74. Clip Washers, Inside .. 1/-</p> <p>75. " " Outside .. 6d.</p> <p>12. Tension Pins for all saddles .. 1/-</p> <p>3. Clip Bolts, nickel-plated 1/-</p> <p>77. Nuts, with collars for clips 6d.</p> <p>44. Black Bolts, for springs, etc. .. 9d.</p> <p>66. Rubber Buffers .. 6d.</p> <p>80. Noses for all saddles .. 1/-</p> <p>81. Rivets for mounting leather tops .. 1d.</p> <p style="text-align: right;">Above prices for parts only. Fitting extra.</p>
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Ball Bearings—Quantities and Sizes.

	B.S.A. MOTOR CYCLE.				INDIAN MOTOR CYCLE.			
	2.49 H.P.	3.49 H.P.	4.93 H.P.	7.70 H.P.	Prince.	Scout.	Chief.	Standard.
Front Wheel	20—1/4	18—5-16	20—5-16	20—5-16	18—1/4	20—3/8	20—3/8	20—3/8
Rear Wheel	20—5-16	18—5-16	18—5-16	24—11-32	22—7-16	22—7-16	22—7-16	22—7-16
Head—Lower Bearing ..	17—1/4	23—3-16	18—1/4	18—1/4	21—1/4	21—1/4	20—5-16	20—5-16
Head—Upper Bearing ..	17—1/4	23—3-16	18—1/4	18—1/4	21—1/4	21—1/4	21—1/4	20—5-16

BICYCLE. Standard B.S.A.	
Front Wheel	20—3-16
Bottom Bracket	22—1/4
Head—Upper Bearing ..	30—1/8
Head—Lower Bearing ..	30—1/8

Always send old part as sample—ensures the right fitting being sent you.



3/25—MACHINISTS' SCREWDRIVERS.
Blade runs clean through the handle.
3½in. blade. 4/- each.



97/9—HOUSEHOLD SCREWDRIVER.
9in. blade. 5/6 each.

MATCHLESS ELECTRICIAN'S SCREWDRIVER

Blade 3-16in. diameter. Point is same width as the shank so recessed screws can be reached and turned. Magnetized points. Blade ferrule and handle securely riveted together.

3½" blade .. 1/6 ea. 4½" blade .. 1/9 ea.
5½" blade .. 2/- ea. 6½" blade .. 2/3 ea.



2/25—HERCULES KNIFE-HANDLE SCREWDRIVER.

The metal part of the handle is made of forged steel, while the blade is made of High Carbon Special Screwdriver Steel. Will stand up under the hardest use and abuse. Stocked in 2 sizes.
3in. blade, 2/6 each; 8in. blade, 4/3 each.

Our Assortment of Screwdrivers is Exceptional.



71/14.

The Four-In-One Screwdriver consists of four small screwdrivers, all practical and useful sizes, in one compact and well-made tool. All parts are polished and nickel-plated all over, and the screwdriver blades are made of best-quality steel, carefully hardened and ground and properly tempered.
3/6 each.



101/9.
DUMPY SCREWDRIVER.
A fine tool with a great grip.
3/- each.



72/25.
EAGLE SCREWDRIVERS.
Have a long, thin blade. Useful for awkward places.
1/3 each.

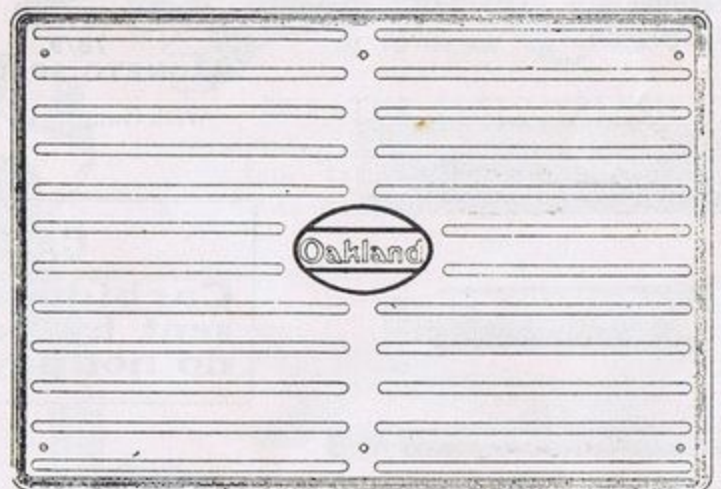


59/25—THE LITTLE WONDER SCREWDRIVER.

A fine little tool. Very useful for all light work on clocks, telephones, electric fixtures. Red stained handles. Tempered steel blades ¼in. in diameter.
6d. each.



7/25.
REX MIDGET SCREWDRIVER.
1/- each.



73/27—SAFETY STEP PLATES.

Afford a secure foothold under all conditions. Composed of a stiff perforated sheet, steel base plate, every portion of which is completely covered with rubber. The rubber is vulcanised to the steel plate, ensuring permanent cohesion. Cannot curl up; always looks good. Maroon colour, 11½in. x 8in., similar to illustration, without the word "Oakland."
11/- each.

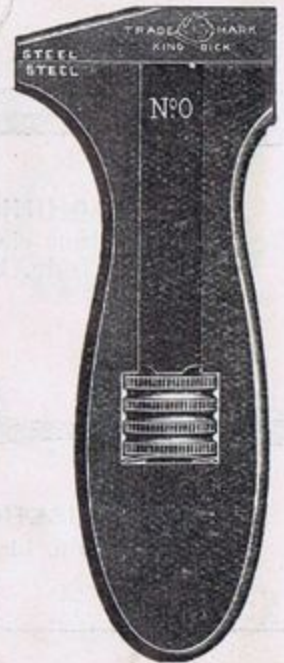
The Screwdrivers shown are designed specially for the Cyclist or Motorist.

SPANNERS for every purpose.



59/9—SPARK PLUG SPANNERS.
Stocked in many sizes. Complete with tommy-bar.
1/6 each.

SKEATES BICYCLES
have
been on
the
Market
for
37 YEARS



27/9—Genuine KING DICK SPANNERS.

The highest-quality Spanners made.
Jaws always remain parallel.
No. 0, 3in., 3/6 each.
No. 1, 4in., 4/6 "
No. 2, 6in., 6/6 "
No. 3, 9in., 15/- "



We deliver all **SKEATES BICYCLES** FREIGHT PAID.

TRICYCLES.
Buy your boy a good Tri-cycle for his birthday.

83/9.

TERRY'S FAN SPANNERS.
No tool kit is complete without this handy little set.
Oxidised finish.

Medium size .. 2/6 each
Large size .. 3/6 "



78/9. MAGNETO SPANNER.

With Gauge. 1/- each.

"FORD" BOX SPANNERS
A useful set, comprising four double-ended Spanners and tommy-bar.
Enclosed in cardboard box.
5/6 per set.



CARBIDE.
Carbide cannot be sent by post and we do not pay freight.



63/9—BOX SPANNERS FOR CYCLISTS.

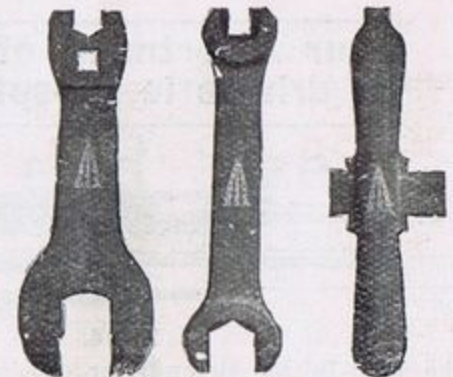
These Sets of Spanners are made to fit all B.S.A. Standard nuts. The loose tommy-bar serves as an excellent screwdriver at one end, and as a serviceable tyre-lever at the other end.

Plated .. 2/6 per set.



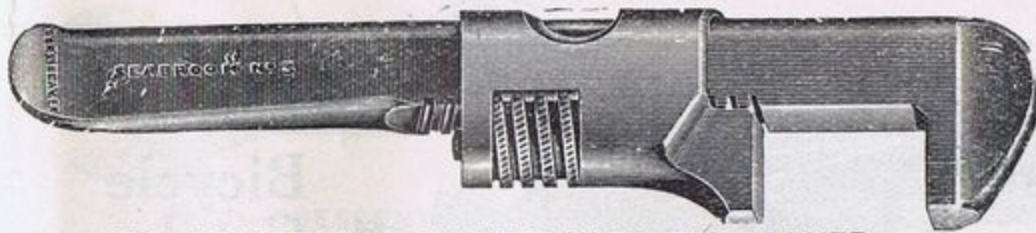
No. 1188.
22/24.
GENUINE CLYBURN SPANNER.

8-inch .. 8/6 each
6 1/4-inch .. 7/6 "

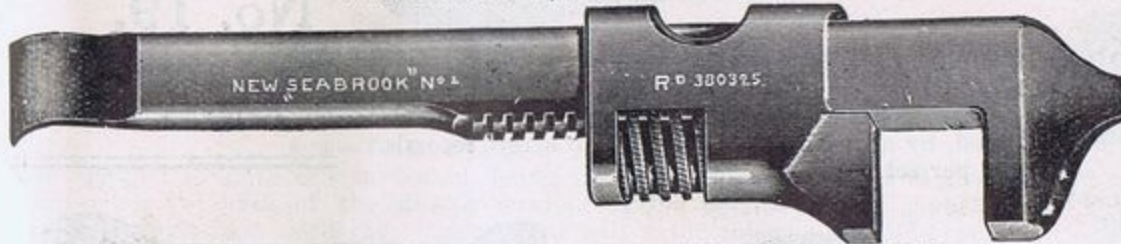


82/9. GENUINE B.S.A. SPANNERS.
Cone Spanner .. 1/9 ea.
Screwdriver .. 1/- "
Block Spanner .. 2/- "
Set of three .. 4/- "

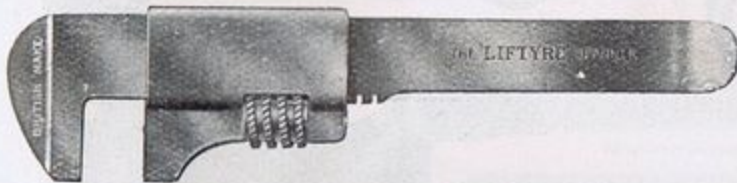
We have Spanners for every purpose.



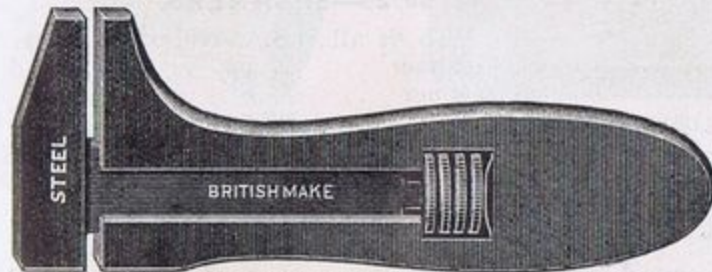
28/9—ADJUSTABLE SPANNER WITH TYRE LEVER.
Plated finish. 2/6 each.



9/9—ADJUSTABLE SPANNER AND TYRE LEVER.
Plated finish. 2/9 each.



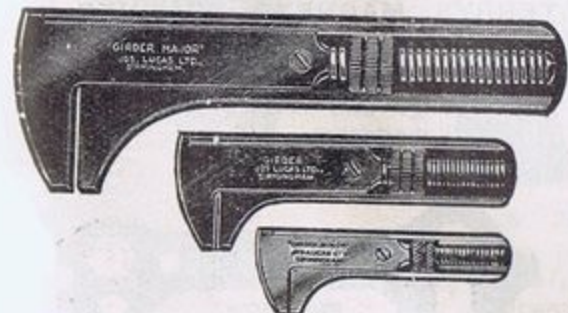
14/9—HANDY ADJUSTABLE SPANNER.
Dull finish—11in. long, opens to 2 1/4 in. . . 7/- each.



15/9—PATTERN "KING DICK" SPANNERS.
4/- and 5/6 each.



77/9—TERRY'S PLUG AND CONE SPANNER.
1/6 each.



26/9—LUCAS GIRDER SPANNERS.
Exceptional quality. The jaws are made of special hard steel and will not spoil your nuts.
Girder Minor, 3 1/4 in. 5/- each.
Girder, 4 1/2 in. 7/6 each.



21/9.
WESTCOTT "S" WRENCHES.
A handy tool.
5/6 each.



66/9—BOX SPANNER SETS.

Set No. 14.
Four Spanners and one Tommy Bar.

Across Flats.	} 8/6 the set.
Inches.	
1.67 x 1.48	
1.3 x 1.1	
1.01 x .920	
.820 x .709	

Set No. 15.
Four Spanners and one Tommy Bar.

Across Flats.	} 7/- the set.
Inches.	
1.3 x 1.1	
1.01 x .920	
.820 x .709	
.601 x .525	

Set No. 34.
A set for Standard American Size Nuts. Consisting of one Tommy Bar and six double-ended Spanners, all 7 1/2 in. long, of the following sizes:—

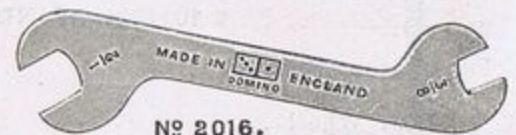
Across Flats.	
13-32 x 1/2	31-32 x 1 1-16
19-32 x 11-16	15-32 x 1 1/4
25-32 x 7/8	17-16 x 1 5/8
8/6 the set.	

Sole Agents for
B.S.A. & INDIAN
Motor Cycles
OAKLAND CARS



80/9—THE SEXTO-WRENCH.

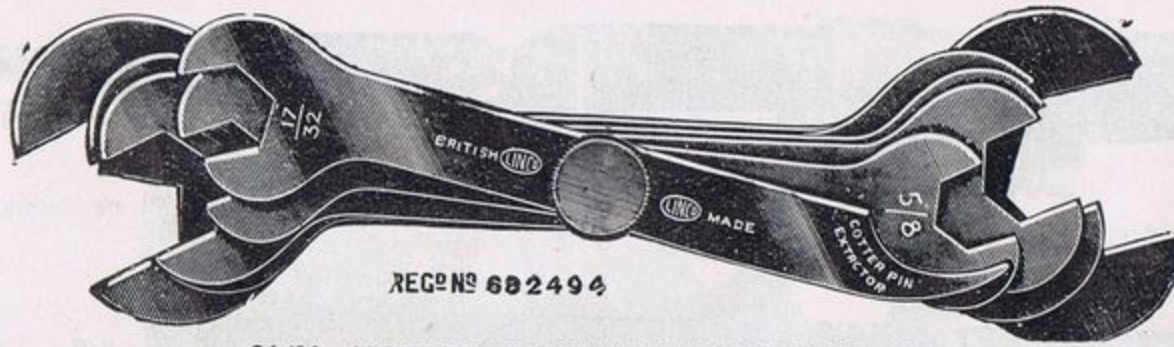
Comprising 12 sizes—7-32in., 1/4in., 9-32in., 5-16in., 11-32in., 3/8in., 13-32in., 7-16in., 15-32in., 1/2in., 17-32in., 9-16in.
3/- each.



86/9—ENGINEER'S SET SPANNERS.
Specially hardened steel.

Size across flats.	Each.	Size across flats.	Each.
Inches.		Inches.	
5-16 & 13-32	.. 1/6	10-16 & 23-32	.. 2/6
13-32 & 1/2	.. 1/6	23-32 & 13-16	.. 2/9
7-16 & 1/2	.. 1/6	25-32 & 7/8	.. 3/6
1/2 & 19-32	.. 2/-	7/8 & 1	.. 4/-

A well-made, good-quality Spanner will not spoil edges of nuts.



REGD NO 682494

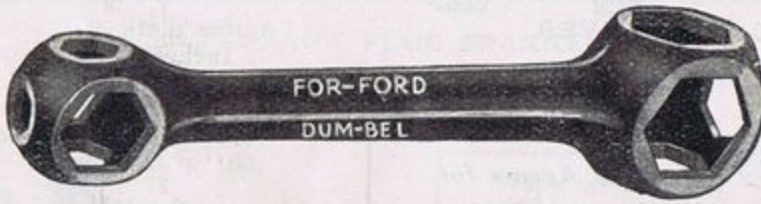
81/26—MOTOR COMBINATION SPANNER SET.

To take nuts from 7-16in. to 1in. Contains six double-ended spanners of ten sizes, cotter pin extractor, screwdriver, and 3in. rule. Each spanner guaranteed case-hardened. These spanners can be used separately or combined, by adjusting centre screw, in a few seconds. 5/- per set.

Write for our Illustrated

Bicycle Catalogue No. 19.

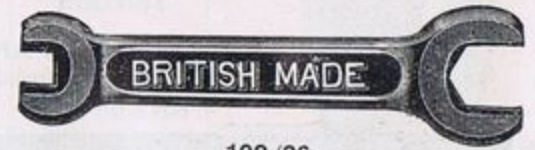
Big Reductions in Prices.



DUM-BEL SPANNERS.

Ten sizes in one. Do away with a load of spanners, and invest in one of these.

- No. 1 Size—Cycle and Motor Cycle 3/6 ea.
- No. 2 Size—Motor Cycle and Car.. 4/6 „
- No. 3 Size—Commercial Vehicles and Shops .. 6/- „
- No. 4 Size—Agricultural Machinery 9/- „
- Special No. 2 for Fords, fits every nut4/6 „



108/26.



99/26—SPANNERS.

	To fit all B.S.A. Nuts.	Each.
Block Spanner .. .. .	.. .. .	1/6
Cone Spanner .. .. .	.. .. .	1/-

WIRE WHEEL REPAIRS.

A branch of repair work in which we excel. Special spoke screwing and truing machines ensure satisfactory work at a fair price. Few mechanics understand this type of work—ours do.

We Specialise in MOTOR CYCLE REPAIRS



101/22—SPINDLES.

	Genuine B.S.A.	Pattern B.S.A.
For Bottom Bracket	5/- each	3/6 each.
„ Front Wheel	1/6 „	9d. „
„ Rear Wheel	2/- „	1/- „
„ Eadie Hub	1/6 „	— „
„ New Departure Hub	— „	2/6 „
„ Pedals	2/6 „	9d. „
„ Front Wheel Spindles, complete with Cones, Nuts and Washers..	3/6 „	2/6 „
„ Rear Wheel, complete with Nuts, Cones and Washers	4/6 „	3/3 „
„ Pedal Spindle, complete with Cones, Nuts and Washers	3/6 „	1/6 „

Odd sizes or old models not in stock promptly made to order.



TERRYS MAGNETO SPANNER.

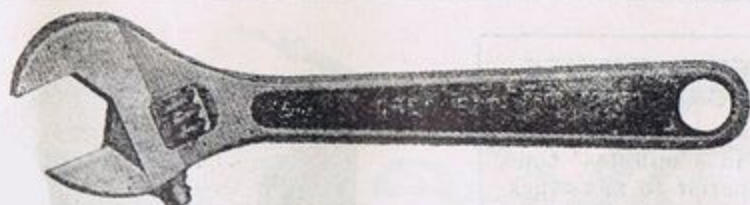
The new tempered steel "Midget" magneto spanner, set 8 leaves; .012 feeler gauge and screw driver; fits all magnetos. 2/6 each.



91/9—TERRY'S BLOCK AND CONE COMBINATION SPANNER.

Takes the place of the Block and Cone Spanner. 1/6 each.

When ordering Spindles, send old one if possible as sample.



70/27—CRESCENT WRENCHES.

Crescent Wrenches are the handiest made—one hand is sufficient to operate. The entire wrench is carbonised, hardened and oil-tempered.

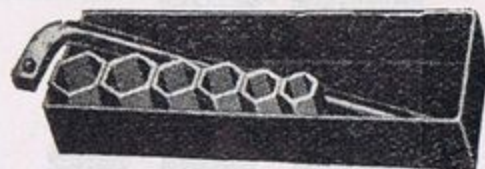
4in.	6in.	8in.	10in.
3/6	4/6	5/6	6/6 each.

6/9—THE SAFO SPANNER.

This Spanner is quite new in design, being instantly adjustable by a slight pressure on the back of the sliding member—grips perfectly, and cannot slip. Once you have used the "Safo" you will never tolerate the old-type spanner. Of best quality steel, carefully hardened and beautifully finished. 7in., 4/6 each. 5in., 3/6 each.

Socket Wrench Sets

are a boon to the Motorist.
They do not destroy the Nuts.



148/19 — SOCKET WRENCHES — Six-in-one socket wrench set. Sockets held on the tommy bar when not in use, making the set very compact and neat for placing in tool kit. 7/6 per set (not in box).



156/19. FORD VALVE LIFTER.

A simple, easy to work lifter. Its clever wedge and claw are marvels for swift, sure results. 2/6 each.



62/9—TUBULAR BOX SPANNERS.

For Motor Cycles.

Consists of three spanners to fit six sizes of nuts, taking in all nuts on the principal makes of motor cycles. Also Telescopic Tommy Bar as illustrated, and one improved Screwdriver Tommy Bar. A really first-class set.

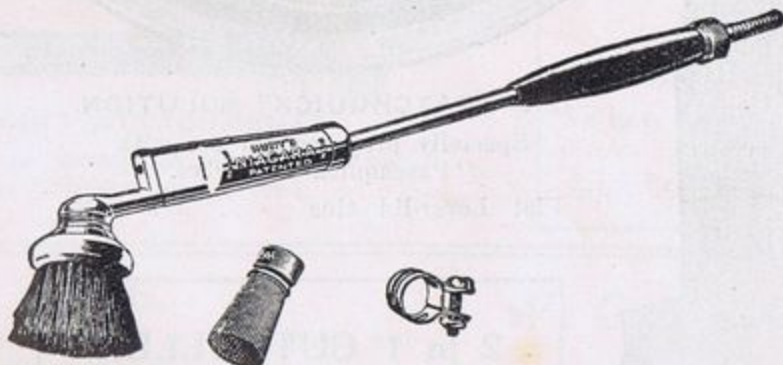
In Stout Leather Case	4/9 set
In Cardboard Box	3/- set

We Specialise in
**MOTOR
CYCLE
REPAIRS.**



157/19. FITS-A-FORD WRENCH.

A handy 4-socket wrench, which fits over 95% of all nuts and bolts on a Ford car. 3/6 each.



50/20—THE NIAGARA CLEANING BRUSH.

This brush is a great improvement on any similar brushes previously manufactured—has combined water fed cleaning brush and jet. By moving the handle up or down, either a powerful jet or a water fed brush is immediately available.

A brush that keeps itself clean will save those thousands of little scratches which soon make a car shabby.

Complete with large brush head and small head and holder—special non-leaking hose union and outside hose clip with bolt and nut. 40/- each.



79/20. THE SCARFILE

The only tool that will properly clean sparking plugs. Gets the carbon deposit off so that your plugs will fire right.

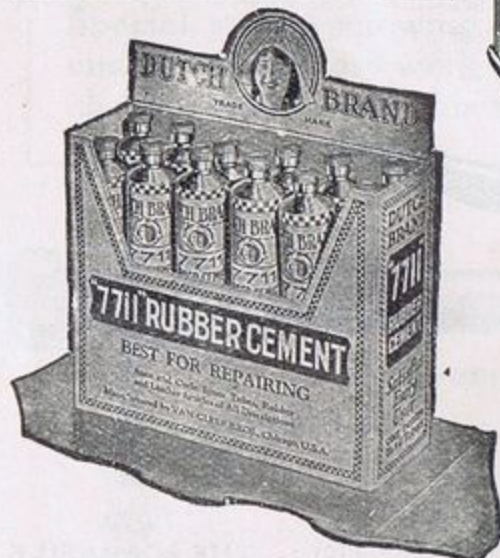
1/6 each.

Socket Wrenches are a boon to Motorists.



31/6.
DUNLOP SOLUTION.
 Small tube .. 4d. ea.
 Medium tube .. 6d. ,,
 Large tube .. 9d. ,,

SKEATES ==
 == **BICYCLES**
 Sold
 on **EASY TERMS**



46/20—**DUTCH BRAND SOLUTION**
 —For general patching work. Not only adapted for bicycle work, but is fine for use in the repair shop and for general rubber and leather patching of all descriptions. A very satisfactory household or office article. 6d. per tube.

SHALER 5-MINUTE VULCANIZER.

Enables a permanent repair on tubes in 5 minutes' time. Is far superior to any stuck-on patch, as it is vulcanized on by heat which is produced by burning a chemically treated disc in a metal container. Each patch is complete in itself, is of raw rubber, and attached to the vulcanizing surface of the container. Simply clamp cartridge over puncture and light heat unit. Is absolutely automatic, and produces a perfect, permanent patch, without danger of overcuring or burning the tube, in five minutes.

Complete with 12 patches, 11/6 each.

(See illustration page 74.)



12/6—"PATCHQUICK" SOLUTION.
 Specially prepared for use with "Patchquick" Patches.
 Flat Lever-lid tins .. 1/3 each

2 in 1 CUT FILLER

For filling small cuts, bruises and gashings in covers. If neglected they become big, allowing the formation of sand and water pockets, finally causing blow-outs.

1/9 per tube.



19/6.

DUNLOP SOLUTION.
 1/4 lb. tins .. 1/6 each.
 1/2 lb. tins .. 2/6 ,,
 1 lb. tins .. 3/6 ,,



24/6.

VULCANIZING SOLUTION.
 Best quality Dunlop.
 1/2 lb. tins .. 2/6 each.
 1 lb. tins .. 3/6 ,,

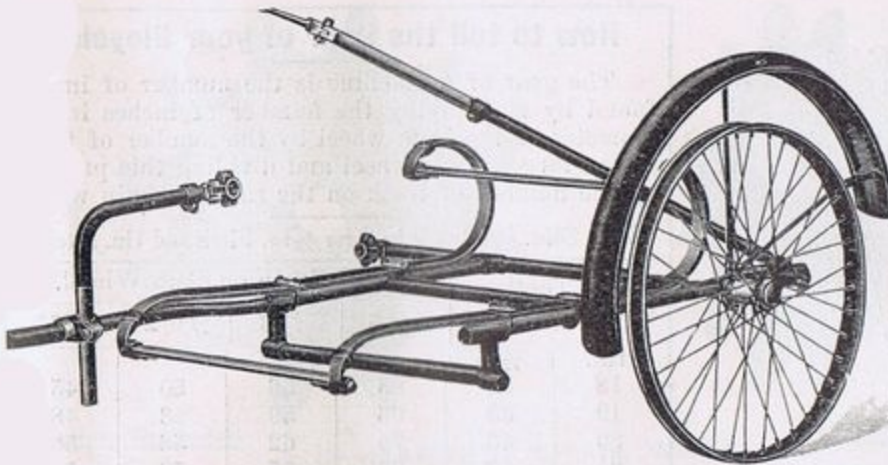


DUNLOP GARMENT SOLUTION.

As used by the leading Clothing Manufacturers.

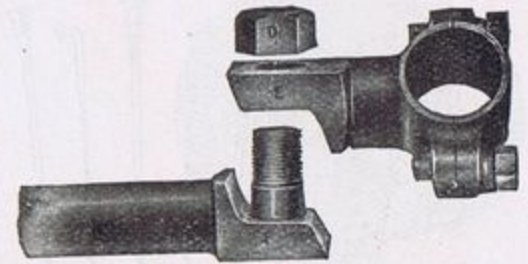
3/6 lb.

Tricycles and Scooters especially suitable as Birthday and Christmas Gifts.



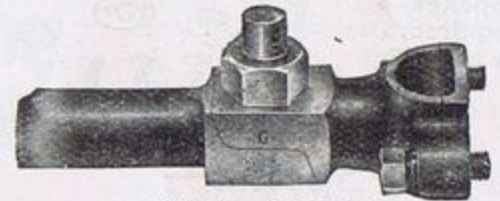
63/13—SUITABLE FOR MEDIUM-WEIGHT MOTOR CYCLES.

Specially strengthened to withstand the roughest roads—four-point attachments.
Complete with Tyre and Tube. Price on application.



21A/8—FRONT SIDE-CAR CLIP.

With quick detachable joint to braze into tube.
Plated. 17/6 each.



21B/8—REAR SIDE-CAR CLIP.

With quick detachable joint to braze into tube.
Enamelled. 16/- each.

HEAVY - WEIGHT CHASSIS.

A Solid English Chassis suitable for Machines of big horse-power.

Complete with Tyre and Tube. Price on application.

CHATER LEA CHASSIS.

A Chassis suitable for Heavy-weight Machines, having immense strength.

Complete with Tyre and Tube. Price on application.



77/19—SIDE-CAR DOOR CATCHES.

Well made and finished.
Cannot rattle or shake loose.
5/6 each.



14/13—RIM WASHERS.

Best quality only. Doz. Gross.

Bicycle, 15-17 Gauge .. 3d. 2/6
Motor Cycle, 10, 12, 14 Gauge.. 4d. 3/6



21/8—SEAT BOLT.
With back yoke end for Side-car connections.
15/- each.



60/13—FOURTH POINT ATTACHMENTS.

A very necessary fitting to strengthen the Chassis on many of the cheaper Side-cars on the road.
30/- each.

COACHBUILT SIDE-CAR BODIES

We have these in the best English patterns.
Prices on application.

SPOKE SIZES.

In building wheels the length of spokes for the various size rims is as follows:—

Size of Rim.	Length of Spoke.	Size of Rim.	Length of Spoke.
24 x 1 $\frac{3}{8}$	10 $\frac{1}{4}$	28 x 1 $\frac{1}{8}$	12 7-16
24 x 1 $\frac{1}{2}$	10 $\frac{3}{8}$	28 x 1 $\frac{1}{4}$	12 $\frac{3}{8}$
26 x 1 $\frac{3}{8}$	11 $\frac{1}{4}$	28 x 1 $\frac{3}{8}$	12 $\frac{1}{4}$
26 x 1 $\frac{1}{2}$	11 $\frac{3}{8}$	28 x 1 $\frac{1}{2}$	12 $\frac{1}{8}$
26 x 1 $\frac{3}{4}$	10 $\frac{7}{8}$	28 x 1 $\frac{3}{4}$	11 $\frac{7}{8}$
28 x 1	12 $\frac{1}{2}$		

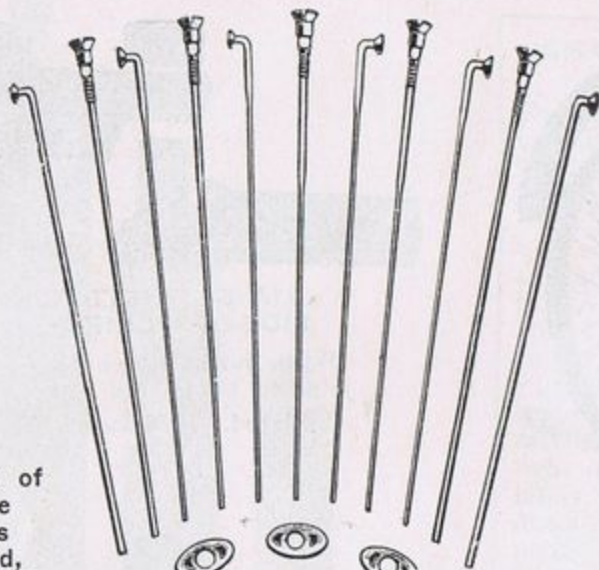
NOTE.—For wheels with Eadie Coasters the above sizes apply only to one side, the brake side requiring spokes $\frac{1}{8}$ -inch shorter.

We Give EASY TERMS on

**BICYCLES,
MOTOR CYCLES
and CARS**

Write for particulars of Deposits and Monthly Payments.

We have every kind of Lug for Side-car repairs.
Barnstormers Co. Nz



For size of Bicycle Spokes required, see page 63.

SPOKES, NIPPLES & WASHERS.

Bicycle Spokes—

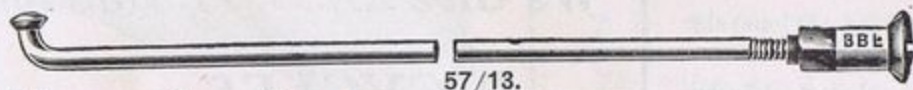
	Each.	Doz.	Complete Set for Wheel.
Spokes, Nipples and Washers, cut and screwed, any length or Gauge, for Steel Rims ..	2d.	1/6	4/6
Spokes, Nipples and Washers, cut and screwed, any length or Gauge, for Wood Rims ..	3d.	2/6	6/-

Motor Cycle Spokes—

	With Standard Nipples.		With extra large Nipples for Countersunk Rims.	
	Each.	Doz.	Each.	Doz.
Spokes, Nipples and Washers, cut and screwed to any length, 12, 13 or 14 Gauge (12 Gauge is the usual size)	3d.	2/6	4d.	3/6
Spokes, Nipples and Washers, cut and screwed to any length, in 10 Gauge	4d.	3/6	5d.	4/3
Spokes, Nipples and Washers, cut and screwed to any length, 9 Gauge..	5d.	4/3	—	—
Spokes, Nipples and Washers, cut to any length, 12, 13 or 14 Gauge, Spokes not threaded	2d.	1/9	3d.	2/6
Spokes, Nipples and Washers, cut to any length, 10 Gauge, Spokes not threaded	3d.	2/6	4d.	3/6
Spokes, Nipples and Washers, cut to any length, 9 Gauge, Spokes not threaded	4d.	3/6	—	—

Please always send old Spoke as sample. This is the only sure way of getting the exact length Spoke required.

NOTE.—We only stock the **Best Quality** in Spokes. Remember, they are made in several grades, and they all look the same.



Motor Car Spokes—

6 or 8 Gauge.

- 6 Gauge fitted with Steel Nipples.
- 8 Gauge fitted with Brass Nipples.

	Each.	1 Doz.
Spokes only, unscrewed	4d.	3/6
Spokes only, unscrewed, with Nipple ..	6d.	5/-
Spokes, screwed, complete with Nipple ..	7d.	6/-

How to tell the Gear of your Bicycle.

The gear of a machine is the number of inches found by multiplying the number of inches in the diameter of the back wheel by the number of teeth on the larger chain wheel and dividing this product by the number of teeth on the smaller chain wheel.

With 28in. Driving Wheel for 1/2in. Pitch and 1in. Pitch.

No. of Teeth on Bracket Wheel.	No. of Teeth on Hub Wheel.				
		8/16	9/18	10/2	11/22
lin.	1/2in.				
18	36	63	56	50	45
19	38	66	59	53	48
20	40	70	62	56	50
21	42	73	65	58	53
22	44	77	68	61	56
23	46	80	71	64	58
24	48	84	74	67	61
25	50	87	77	70	63
26	52	91	80	72	66
27	54	94	84	75	68
28	56	98	87	78	71
29	58	101	90	81	73
30	60	105	93	84	76
32	64	112	99	89	81
34	68	119	105	95	86
36	72	126	112	100	91

Heavy Figures, 1/2in. pitch.

INDIAN SPOKES.

Although made expressly for Indian Motor Cycles, these Spokes are very satisfactory in any motor cycle wheel where the size suits. Butted and threaded.

Lengths: 8 1/2 in., 8 3/8 in., 9 5/16 in., 9 3/8 in., 10 1/2 in., 10 3/4 in.

Spokes 4d. each
Nipples 2d. ,,

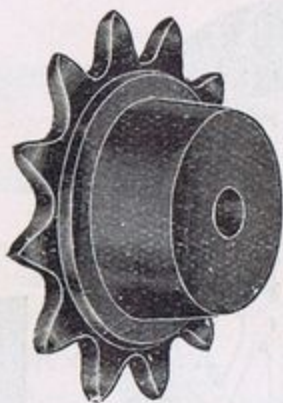
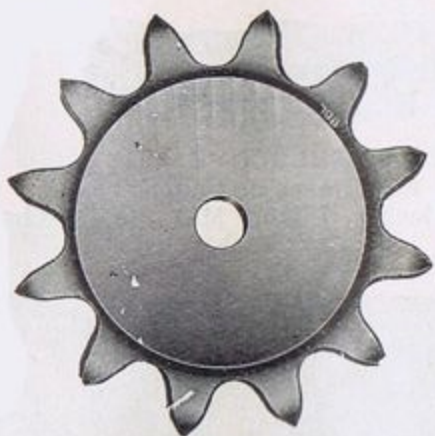
If in doubt when ordering spokes for Indian Motor Cycles, mention model, engine number and size of tyre fitted.



52/13—NIPPLES.

	Doz.	Gross.
Best quality Plated.		
Bicycle, 15-17 Gauge	6d.	5/-
Bicycle, 15-17 Gauge, long (for wooden rims)	9d.	7/6
Motor Cycle, 10-12-14 Gauge, Standard	1/-	9/-
Motor Cycle, 9-10-12-14 Gauge, extra large (for Countersunk rims)	1/6	12/6
Motor Car, 8 Gauge, Brass-plated	1/9	15/-
Motor Car, 6 Gauge, Steel-plated	1/9	15/-

When ordering Spokes, always send old one as pattern—lengths and threads vary greatly.



51/21—MOTOR CYCLE SPEEDOMETERS.

SOLE DISTRIBUTORS

B.S.A. Motor Cycles

4/13—MAGNETO CHAIN WHEEL, WITH BOSS— $\frac{1}{2}$ x $\frac{1}{8}$ and $\frac{1}{2}$ x 3-16. 8 teeth, 2/-; 10 teeth, 2/-; 12 teeth, 2/6; 13-14 teeth, 3/-; 15-16-18 teeth, 3/6; 20 teeth, 3/9; 22 teeth, 4/-; 24 teeth, 4/6 each.

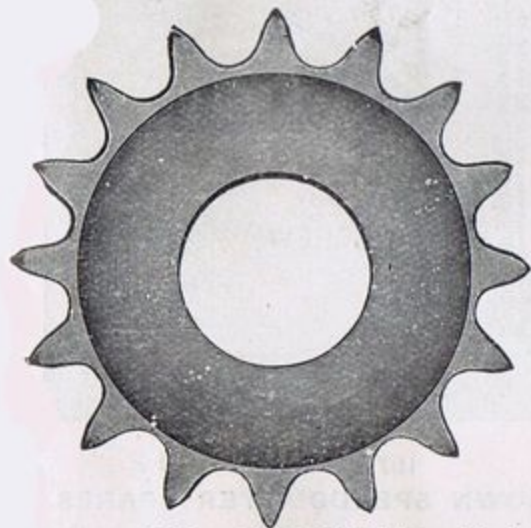
SOLE DISTRIBUTORS

INDIAN Motor Cycles

A good speedometer is not merely an accessory—it is a positive necessity on every motor cycle. The Corbin Brown Speedometer is one of the most accurate and dependable on the market. The standard or regular model is calibrated to 80 miles. An extra and exclusive Corbin feature of great value to the motor cyclist is the maximum speed hand. This consists of a second speed hand which is carried forward by the speed-indicating hand on increasing speeds and always remains at the highest speed reached at any time. This is a mechanically positive device which records accurately the highest speed reached by the motor cycle for a speed trial or a long run. When desired, the maximum speed hand is instantly reset to zero (or present speed if reset with motor cycle in motion) by a light pressure on the release plunger provided at the left side.

For All Model Indians— Ea.
Regular dial .. £4/17/6
With maximum hand £5/10/-
For $2\frac{3}{4}$ H.P. B.S.A.—

With maximum hand £5/10/-
All Corbin Speedometers are driven from the rear wheel and can be adapted to almost any motor cycle.



B.S.A. and Eadie Sprockets.

Similar to illustration on left (1/13).

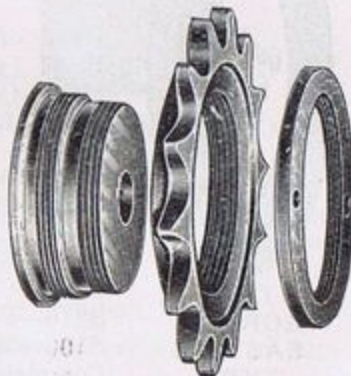
Price, 3/- each.

Always send your old Sprocket as a Sample.

1/13—SPROCKETS. Each.

lin. pitch, with 7 teeth	..	2/-
lin. " " 8 "	..	2/-
lin. " " 9 "	..	2/6
lin. " " 10 "	..	2/6
lin. " " 11 "	..	3/-
lin. " " 12 "	..	3/-
$\frac{1}{2}$ in. " " 14 "	..	2/6
$\frac{1}{2}$ in. " " 16 "	..	2/6
$\frac{1}{2}$ in. " " 18 "	..	2/6
$\frac{1}{2}$ in. " " 20 "	..	2/6
$\frac{1}{2}$ in. " " 22 "	..	3/-
$\frac{1}{2}$ in. " " 24 "	..	4/-
$\frac{5}{8}$ in. " " 13 "	..	2/6
$\frac{5}{8}$ in. " " 14 "	..	2/6
$\frac{5}{8}$ in. " " 15 "	..	3/-
$\frac{5}{8}$ in. " " 17 "	..	3/6

The above stocked in 3 widths— $\frac{1}{8}$, 3-16, and $\frac{1}{4}$ inch.



13/13.

MAGNETO CHAIN WHEEL ADAPTERS, WITH LOCK RING.

Screwed B.S.A. Size.
3/- each, less sprocket.

RUBBERCENE TYRE PAINT.

Also specially recommended for Mats, as it does not come off on the clothes, rugs, etc. Does not spot in the rain, or want doing each time the Car is used. (White only.) 1/6, 2/3 and 3/6 per tin.

Sulky Hubs

These Hubs are specially made for Sulky Wheels and are fitted with pull through spindles.

Width between hub flanges $3\frac{3}{4}$ "
Width between forks 5"

28/- each

Always send your old Sprocket as a Sample.



71/28.

UPHOLSTERY TAPE AND TACKS.

Black Tape, per roll of 15 feet, 2/-.
Tacks to suit, per box of 35, 1/-.

We Pay the Freight on all Cash Orders



FRICTION TAPE.

Its usefulness extends to every known field of activity—motor car, electrical, household, athletic, sporting, industrial, farm, etc.

1oz., 6d.; 2oz., 9d.; 4oz., 1/6;
8oz., 2/6 per roll.

SKEATES BICYCLES
SOLD
ON EASY TERMS



2/20—"GRIFF" SPARE TYRE COVERS.

In Best Black Enamelled Hide Grained Roanoid. The edges of the cover are drawn together by means of extra strong straps, completely enclosing the tyre.

For 30 x 5.25 tyres. 27/6 ea.

HINSON SUPERFINE TYRE COVERS.

(Black)

Made to cover the whole visible part of the tyre. An aeroplane elastic cord is sewn in the inner edge, producing a perfect-fitting cover.

For 30 x 5.25 tyres.

With Oakland Monogram in Centre. 27/6 each.



72/23 GORDON EASY-ON TYRE COVERS.

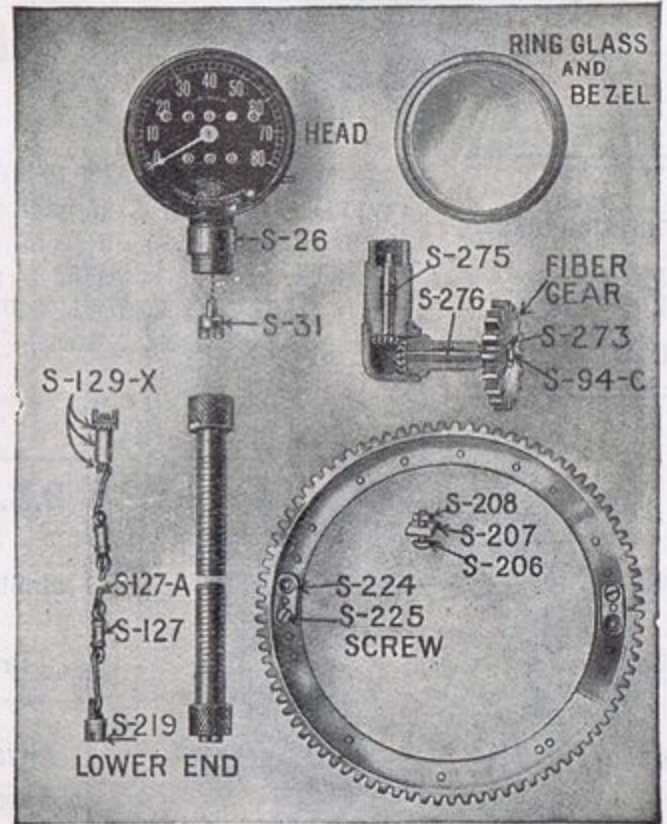
A necessity for spare Tyres. Will protect your tyres from light, air, dirt, oil and dampness. For use on any style of carrier. For tyres 30 x 3 1/2, 32 x 4, 33 x 4. All black. 15/- each.



3/17—TELESCOPE TUBE.

For Brakes or Clutches.

Overall length, 7 3/4 in.; Max. Pull, 3 1/4 in. 4/- each.



107/24.

CORBIN BROWN SPEEDOMETER SPARES.

	Each.
Head of Speedometer only	£2/10/0
Bezel (glass and ring)	6/6
MC1—Complete Driving Cable	£1/7/6
S219—Rear Drive Cable Connection	2/6
S127A—Steel Wire Links	/9
S127—Steel Links	/9
S129—Spring Link Outside Sleeve	2/6
S223—Large Split Gear	12/6
S225—Screws for Split Gear Clamp	/3
S224—Clamps for Split Gear	/9
S216—Steel Spring for Rear Clutch	/9
S100—Bevel Gears	2/-
Complete Gear Section with Sprocket	12/6
S105—Fibre Wheels, 18 to 31 teeth	4/-

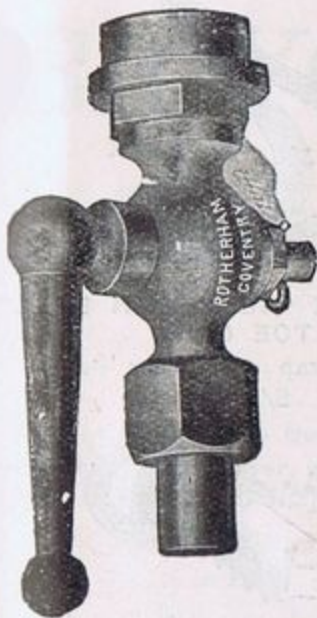


47/12—MOTOR CYCLE FORK SPRINGS.

Terry's Springs are unexcelled for quality and reliability.

Royal Enfield	12/6 each.
Douglas	3/6 "
Druid, 2 and 3 gauge	4/6 "
Druid, 4 and 5 gauge	3/6 "

Forks vary in many ways. Always send old Fork when ordering new one.



10/8—BRASS TAPS.
Complete as illustrated.
1/4 in. nipple.
3/9 each.

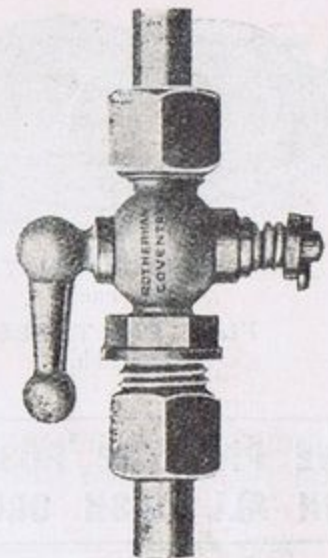


71/20.

TANK CAPS.

Well made of brass—nickel plated.

	Across top of cap.	Aperture at base.	Each.
No. 1A	1 1/2 in.	1 1/8 in.	2/6
No. 2	1 5/8 in.	1 3/16 in.	2/6
No. 3	2 in.	1 1/2 in.	3/-



54/19—BRASS TAPS.
Complete with Unions.
5-32 in. bore.
5-16 in. nipples.
3/- each.

SEND US YOUR BICYCLE REPAIRS

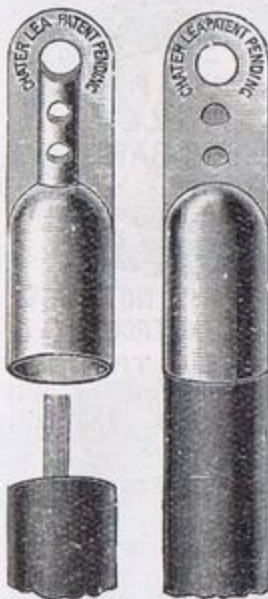
58.
SNAP-ON TERMINALS.
6d. each.



14/8—COMPRESSION TAPS.

A. As illustrated, with sparking plug thread ..	3/6 each
B. With sparking plug thread and ball handle. Height of tap from top of cup to face of shoulder, 1 5/8 in.	4/6 "
C. With 1/8 gas thread and ball handle ..	3/9 "
D. With 1/8 gas thread and cap to top of cup, with ball handle	4/6 "

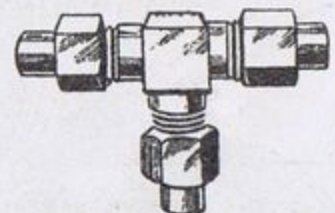
48.
Gear Oil.
MOBILOIL C.C.
For Transmission, Differential and
Timing Gears.
A heavy semi-solid lubricant, of amber
colour. It will follow, coat and
cushion the gears, allowing them to
engage easily without noise, and will
prevent unnecessary wear.
5lb. tin, 6/9. 10lb. tin, 12/6.



90/13.
CHATER LEA TERMINALS.
Stocked in all sizes.
3d., 4d., and 6d. each.



102/19—THREE-WAY TAPS.
With Unions.
Complete with shut-off tap.
To take 3/8 in. pipe, 6/6 each.



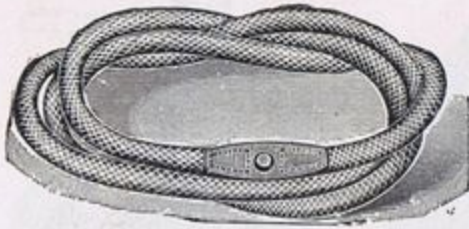
78/19—BRASS T-PIECES.
With Unions.
For Benzine Connections, etc.
To take 5-16 in. pipe, 2/6 each.
" " 3/8 in. " 3/6 "



50/9—THE "DUCO" TERMINAL.
Stocked in all sizes.
3d. and 4d. each.

PETROL STRAINER GAUZE.
5/6 per square foot.

When ordering Taps, Unions, etc., always send sample.



36/13—ROUND RIM TAPES.
6d. each.
FLAT RIM TAPES.
6d. each.



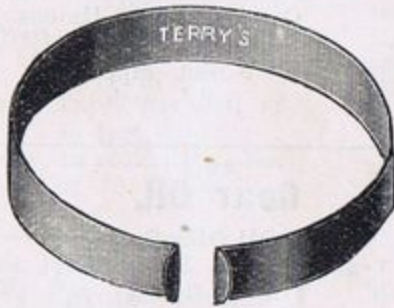
SOLID LEATHER
STIRRUP CLIP

59/23—THE COLLINA TOE CLIP.
For Rat-trap Pedals. 2/- pair.



65/23—THE "NEW JOHN BULL"
TOE CLIP.
For Rat-trap or Rubber Pedals.
2/- pair.

**WE PAY THE POSTAGE
ON ALL CASH ORDERS.**



49/12.

49/12—BEST QUALITY TROUSER
BANDS—The best Steel circular
trouser band made. Sure to keep
its shape. Bronzed. 9d. per pair.



64/23. LUCAS ALL-STEEL
TOE CLIP.
For Rat-trap Pedals. 1/6 pair.



63/23—LUCAS
LEATHER-COVERED TOE CLIP.
For Rat-trap Pedals. 2/6 pair.



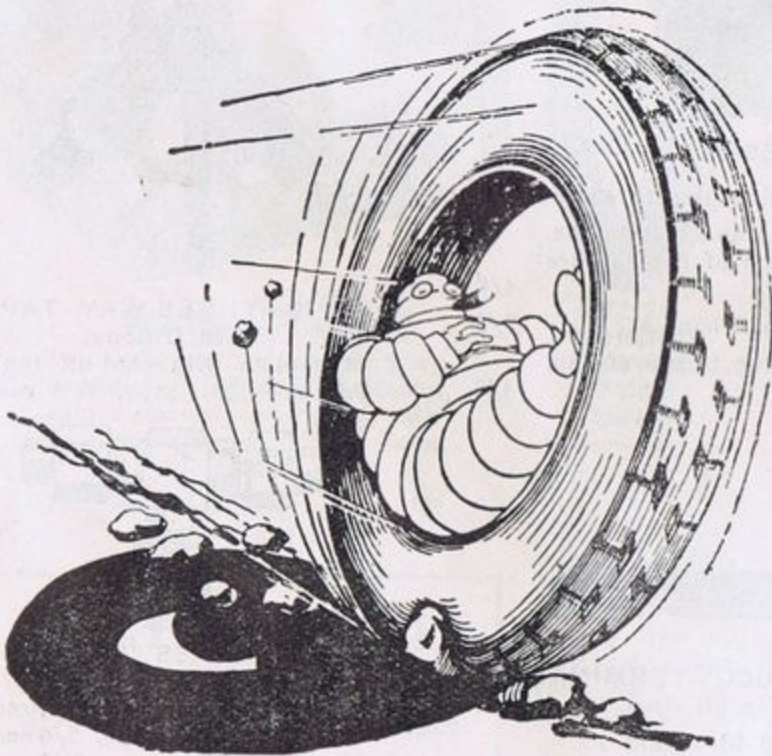
51/12—TROUSER BANDS.
Slide up pattern. 6d. pair.

**GENUINE LEATHER
TOE STRAP.
2/9 per pair.**

BLACK OR
BROWN.



NEAT, CLEANLY, WILL NOT RUST.
CANNOT DAMAGE THE TROUSERS.
95/18 — EXONITE TROUSER
BANDS—Will not rust or soil
clothes. Brown or black. 1/3 pair.



MICHELIN CAR TYRES

We are City Stockists for Michelin Tyres. All popular sizes stocked and any size procured.

Send for Latest Prices.

Toe Clips are an immense help in Hill-climbing and against Head Winds.

BICYCLE TYRES and TUBES

How to find the size of your Rim when ordering Cycle Covers.

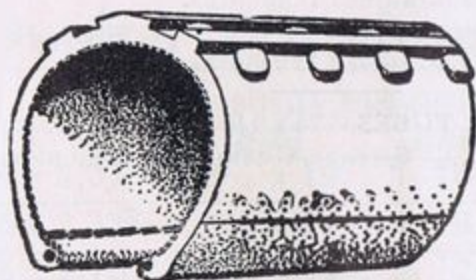
First of all, examine the old cover, as the SIZE IS USUALLY MARKED either on the INSIDE OR OUTSIDE OF COVER. If, however, the size is not visible, kindly measure the DIAMETER OF YOUR RIM from OUTSIDE EDGE TO OUTSIDE EDGE. IF the DIAMETER of your RIM FROM EDGE TO EDGE is—

Diameter of Rim.	Size of Tyre Required.
25 inches	28 x 1 $\frac{3}{4}$
25 $\frac{1}{2}$ "	28 x 1 $\frac{1}{2}$
25 $\frac{3}{4}$ "	28 x 1 $\frac{3}{8}$
23 "	26 x 1 $\frac{3}{4}$
23 $\frac{1}{2}$ "	26 x 1 $\frac{1}{2}$
23 $\frac{3}{4}$ "	26 x 1 $\frac{3}{8}$

Don't forget to measure your Rim from Outside Edge to Outside Edge. Measure accurately, as $\frac{1}{4}$ of an inch makes all the difference.

NOTE.—If you cannot see size marks, the safest plan is to post us your old cover as sample.

Dunlop Bicycle Tyres.



DUNLOP RAILROAD ROADSTER COVERS.

Built on the same lines as the Motor Cycle Cover, having a resilient, non-slipping tread of red rubber.

Guaranteed for 15 Months.

Stocked in all sizes.

For Wired - on Rims 15/- each.

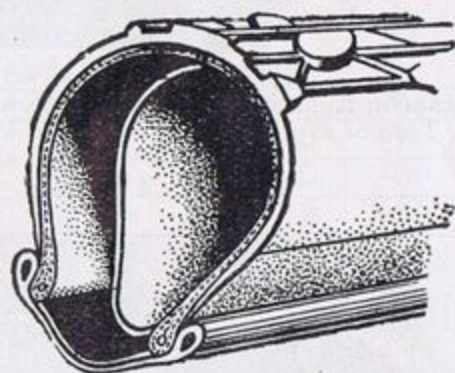
For Beaded Edge Rims 17/6 each.

A medium priced Cover second only in quality to the Railroad, having a special non-skid tread.

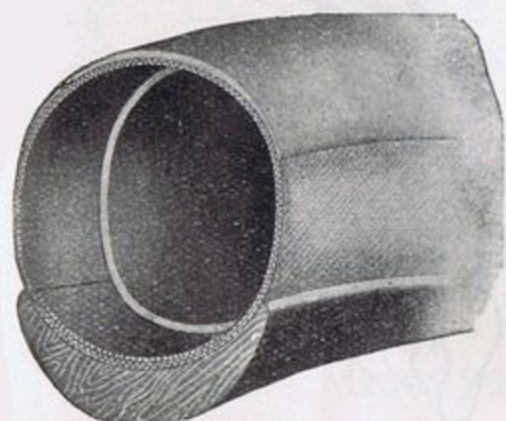
Guaranteed for 12 months.

Stocked in all sizes.

For Wired - on Rims 12/6 each.



NEW DUNLOP REGENT COVERS.



DUNLOP PATH RACING SINGLE TUBE TYRES.

For Wood Rim ... 35/- per pair. Not guaranteed.

Dunlop Canvas Lined Tyres.

Specially strong canvas lining and extra thick rubber tread. Splendid for hard work.

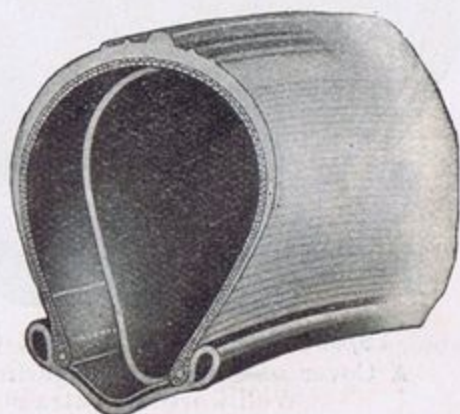
Stocked in
28 x 1 $\frac{3}{8}$
28 x 1 $\frac{1}{2}$
28 x 1 $\frac{3}{4}$

For Wired-on Rims only, 21/- each.

For Road Racing. Exceptionally fast and durable.

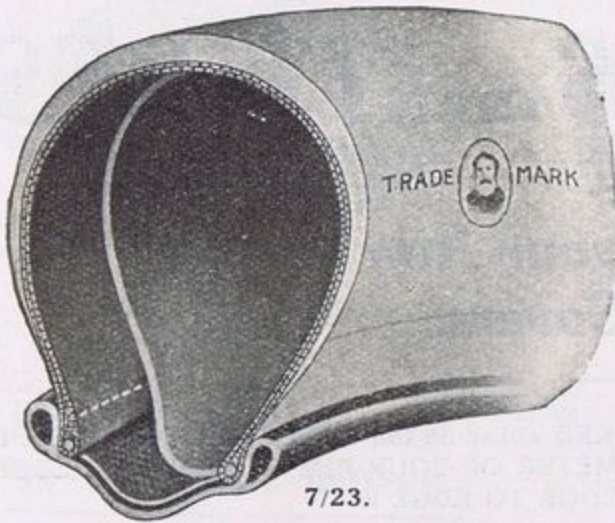
26 x 1 $\frac{1}{4}$
on 1 $\frac{3}{8}$ wires
28 x 1 $\frac{1}{4}$
on 1 $\frac{3}{8}$ wires

26 x 1 $\frac{3}{8}$
28 x 1 $\frac{3}{8}$
28 x 1 $\frac{1}{2}$
22/6 each.



DUNLOP SPECIAL SPEED TYRES.

All Cash Orders sent Post Free or Freight Paid.



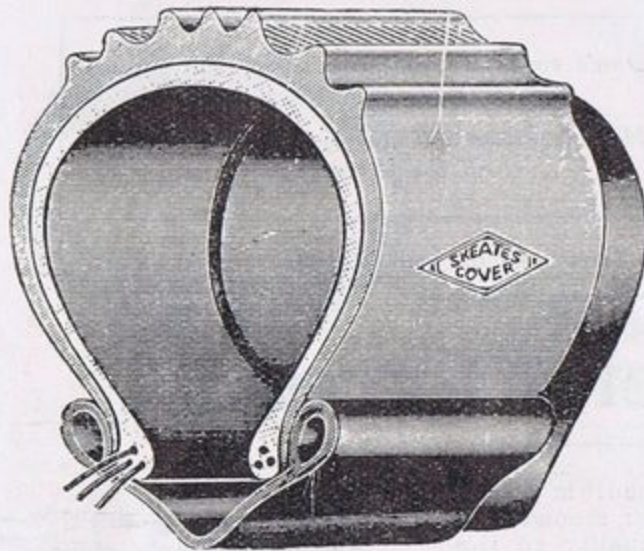
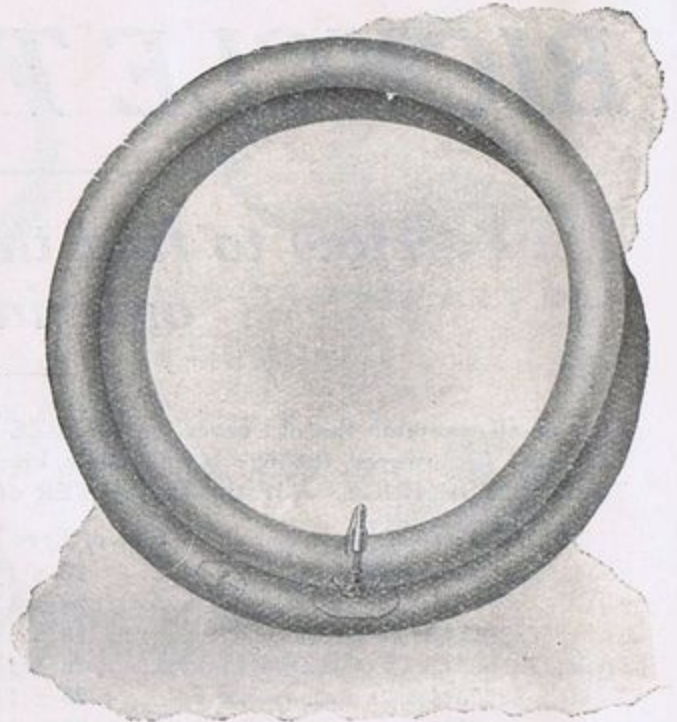
7/23.

7/23.
DUNLOP JUVENILE TYRES.

Stocked in
24 x 1½,
24 x 1¾ sizes.
Other sizes
promptly supplied.

Dunlop Juvenile
Covers,

12/6 each.



8/23—THE SKEATES TYRE.

Made in England especially for New Zealand conditions. A Tyre of exceptional value. Stocked in one size only—28 x 1½, wired on.
15/- each.

6/23—**Inner Tubes for Bicycles.**

- | | |
|----------------------------------|-----------|
| Special Palmer, 28 x 1½ only ... | 7/6 each. |
| Guaranteed 12 months. | |
| Dunlop, stocked in all sizes ... | 6/- each. |
| Guaranteed 15 months. | |
| Michelin, 28 x 1½ only ... | 5/6 each. |
| Guaranteed 12 months. | |
| Skeates, 28 x 1½ only ... | 5/6 each. |
| Guaranteed 12 months. | |

JUVENILE TUBES.—24 x 1½ and 24 x 1¾.

Dunlop ... 6/- each, Guaranteed 12 months.



15/23—**SPECIAL PALMER COVERS.**

A Cover of exceptional wearing qualities. Well worth its extra cost.
28 x 1½, Wired on, 17/6 each.

We Specialise in
MOTOR CYCLE REPAIRS.



66/20.

DISC WHEELS.

Wired-on tyres. Each.
Made with reinforced centres.

6" diameter .. 3/-
7" diameter .. 3/6
Enamelled Blue.



55/20—**MICHELIN CYCLE TYRES**

—A good quality tyre at an attractive price. In 28 x 1½ W.O. only.
10/6 each.

The Skeates Cover is specially made to our order and specification—Try one.

MOTOR CYCLE TYRES — Latest Cash Prices

HIGH PRESSURE B.E.					BALLOON B.E.			
MAKE.	24x2½x2½	26x2½x2½	26 x 3	28 x 3	24 x 3.30	26 x 3.30	25 x 3.85	27 x 3.85
	£ s. d.	£ s. d.	s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
DUNLOP	1 16 6	2 0 6	2 5 6	2 8 9		2 7 6	3 0 9	3 7 3
FIRESTONE	1 11 0	2 0 6	2 5 6	2 8 9	2 10 0	2 12 0	3 0 9	3 7 3
GOODYEAR	1 11 0	2 0 6	2 5 6	2 8 9		2 12 0	3 0 9	3 7 3
MICHELIN	1 11 0	2 0 6	2 5 6	2 8 9				
UNITED STATES	1 11 0	2 0 6	2 5 6	2 8 9		2 12 0	3 0 9	3 7 3

Postage, 2/- per Cover extra to above Prices.

MOTOR CYCLE TUBES

Postage, 6d. per Tube extra.

MAKE.	24x2½x2½	26x2½x2½	26 x 3	28 x 3	24 x 3.30	26 x 3.30	25 x 3.85	27 x 3.85
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
DUNLOP	6 0	6 6	9 9	10 3		7 3	8 0	8 3
FIRESTONE	5 6	6 6	9 9	10 3	7 0	7 3	8 0	8 3
GOODYEAR	5 6	6 6	9 9	10 3		7 3	8 0	8 3
MICHELIN	5 6	6 6	9 9	10 3		7 3	8 0	8 3
UNITED STATES	5 6	6 6	9 9	10 3		7 3	8 0	8 3

Dunlop Wired-on for Well-Base Rims

HIGH PRESSURE.				BALLOON.			
	Rim	Cover	Tube		Rim	Cover	Tube
24 x 2.375	2¼ x 19	1 16 6	6 6	25 x 3	2½ x 19	2 10 6	7 0
26 x 2.375	2¼ x 21	1 18 6	7 3	26 x 3.50	3 x 19	2 18 0	8 0
25 x 2.75	2½ x 19	2 2 6	7 9	27 x 4	3 x 19	3 4 6	11 6
27 x 2.75	2½ x 21	2 5 0	8 0	The following Tyres may be fitted as oversize:			
26 x 3.25	3 x 19	2 10 6	9 6	25 x 2.75	for 24 x 2.375	on 2¼ x 19	rim
28 x 3.50	3 x 21	2 0 0	10 6	27 x 2.75	„ 26 x 2.375	„ „	x 21 „
				26 x 3.25	„ 25 x 2.75	„ 2½ x 19	„
				28 x 3.50	„ 27 x 2.75	„ 2½ x 21	„

All prices subject to 5 per cent. for cash.

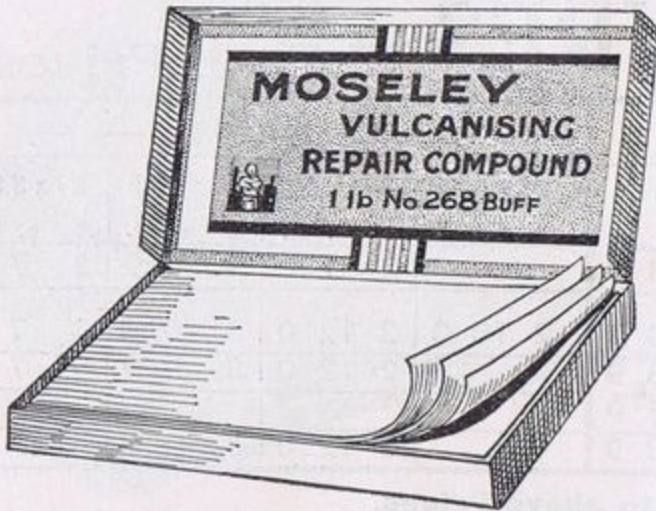
MOTOR CAR TYRES

Michelin Goodyear Firestone United States Dunlop

Owing to the constantly changing prices of Car Tyres, it is impossible to publish a list. On request, however, we will be pleased to forward you latest prices and any information regarding tyres required.

Our Tyre Prices are Keen—Try us.

The above prices are correct at time of issue of this Catalogue, but are subject to change without notice, in which case we supply at current prices at time order is received.



92/21—VULCANIZING RUBBER.
For tube and general quick-cure repairs.
In sheets 8½ in. x 4½ in. 1/3 per sheet.



63/12.
MOTOR CYCLE TYRE LEVERS.
Best quality steel. 9d. each.
Per set of 3, 2/-.



60/12—FORK TYRE LEVERS.
2/6 each.



65/12.
BICYCLE TYRE REMOVERS.
Best quality, 6d. ea.
Set of 3, 1/-.

Motor Car Visors

SEE PAGE 78



66/19—NIPPLES.
For Unions.
Bore.
A. 3-16 in. .. 3d. each
B. ¼ in. .. 3d. "
C. 5-16 in. .. 4d. "
D. ⅜ in. .. 6d. "
E. ½ in. .. 6d. "



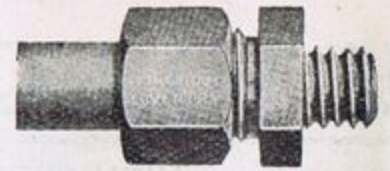
94/19—NUTS.
For Unions.
Across.
A. ½ in. .. 4d. each
B. 7-16 in. .. 4d. "
C. ¾ in. .. 6d. "



59/12.
MOTOR CYCLE TYRE LEVERS.
7-inch, 9d. each.



42/6.
MOTOR CAR TYRE LEVER.
Made of Special Tempered Steel.
13 in., 2/- ea.
18 in., 2/9 ea.



6/19—BRASS UNIONS.
As illustrated. Single nut, single liner, screwed both ends.
Thread. Bore.
A .. ⅛ gas 3-16 1/- each
B .. ¼ " ¼ 1/6 "
C .. ¼ " 5-16 2/- "
D .. ⅜ " ⅜ 2/6 "



BRASS DOUBLE-ENDED UNIONS.

Nut. Nipples. Bore.
in. in. in.
A .. ½ ¼ 3-16 1/3 each
B .. 3-5 5-16 ¼ 2/- "
C .. ¾ ⅜ 5-16 2/6 "
D .. 1 ½ ⅝ 3/6 "



8/19—BRASS ELBOWS, With Unions.
9-32 in., 1/6 each. ⅜ in., 2/6 each.



74/20—BENZER FLOWER VASES.
These iridescent Flower Vases are made from iridescent glass in beautiful colours that tend to harmonise with the interior of any car. Vase holders are of solid bronze, heavily nickeled.
Colours are: Canary, Gold, Pearl, Blue, Green and Cut Glass.
13/6 each.

We have Tyre Levers for Bicycles, Motor Cycles, and Motor Cars.



39/6—DUNLOP VALVE RUBBER.
Best quality only. Does not split.
Per 6in. length .. 3d.
Per foot length .. 6d.



VALVE PLUGS.
4d. each.

63—BICYCLE AND MOTOR CYCLE TUBE VALVES.		
Dunlop—Ordinary Size	..	1/6 each.
„ Large Size, 2in.	..	2/- „
Schrader—Ordinary Size	..	2/- „



VALVE CAPS.
With Chain. 3d. each.

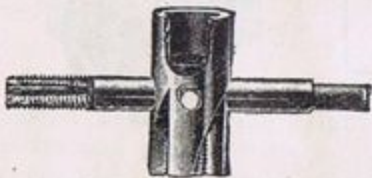


TOP NUTS FOR VALVES. 3d. each.
BOTTOM NUTS FOR VALVES. 3d. each.

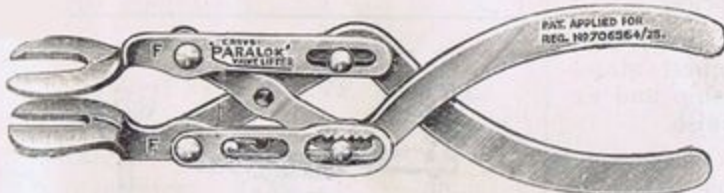


97/22—MOTOR TUBE VALVES.

Schrader—
Medium Size, 2/6 complete.
Standard Size, 3/6 „



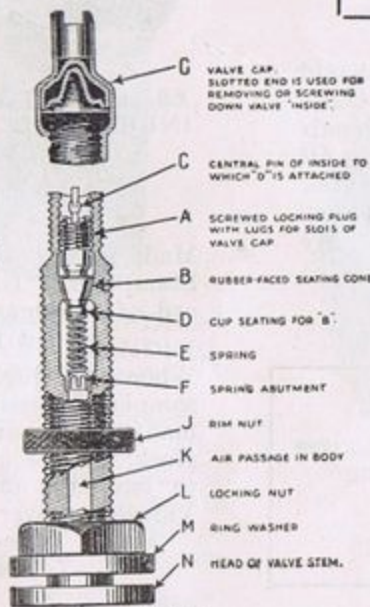
35/13—THE 4-IN-1 VALVE TOOL.
Combines tool for unscrewing valve cone, facing tool for top of valve, tap for inside, and long surface die for valve cap thread on outside of Schrader Valve.
1/6 each.



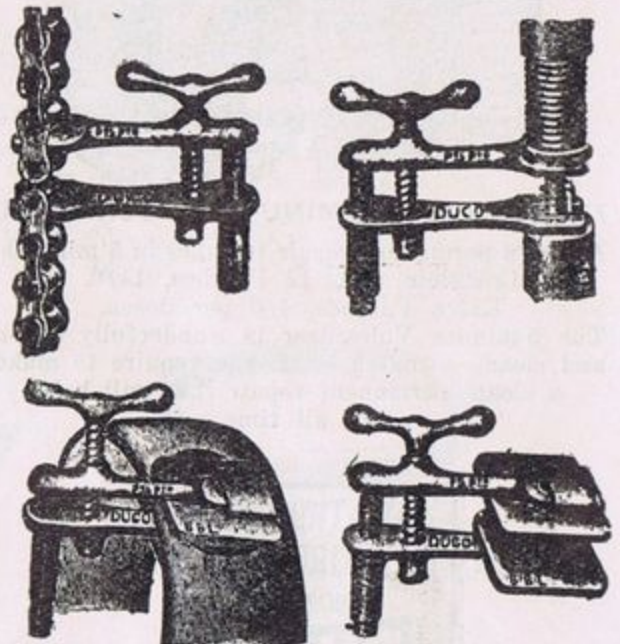
37/20.

TERRY'S "PARALOK" VALVE LIFTER.

Gives a parallel lift, without friction or strain on valve stems or springs. Locks automatically in three positions. Made from pressed steel with jaws hardened and tempered and beaded for strength.
6/6 each.



103/22.



CHAIN PULLER, PATCH PRESS, VALVE LIFTER, AND HAND VISE.

An indispensable tool for the Motor Cyclist.
All combined in the one tool as shown.
5/- each.

CARBIDE
Owing to Postal Regulations, Carbide cannot be sent by post.



87/17.
CARBIDE.

Best quality—11lb. tins, 9d. each.
loose, 6d. per lb.

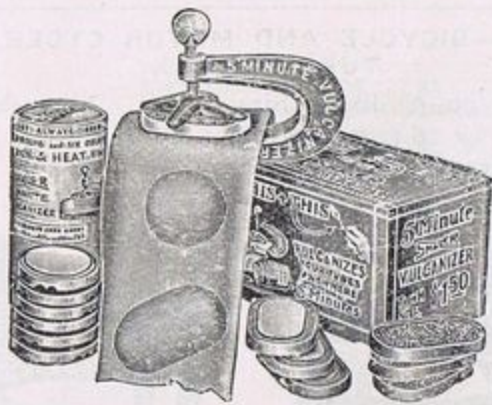


78/20.

SCHRADER VALVE PARTS.

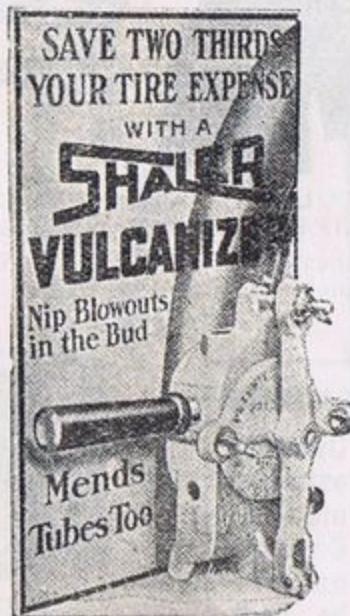
Valve insides	6d. each.
Valve insides, per box of 5 (dust-proof) ..	2/- „
Small Dust Cap	6d. „
Rubber Plug for inside of Cap	2d. „
Large Hexagon Lock Nut	6d. „
Small Hexagon or Round Nut	3d. „

Cyclists and Motorists should always carry spare Valve parts.



77/18—SHALER 5-MINUTE VULCANISER.

Makes a permanent repair to tubes in 5 minutes. Complete with 12 Patches, 11/6. Extra Patches, 4/6 per dozen. The 5-minute Vulcanizer is wonderfully quick and clean—a match is all you require to make a clean, permanent repair that will hold for all time.



4/24—SHALER VULCANIZER.

For all-size Covers and Tubes. 27/6 each.

No Car or Motor Cycle owner should be without this Vulcanizer. Quite simple to use, and you can Repair Cuts, etc., in Covers without taking off the tyre; only takes a few minutes. Also Repairs slits in tubes when they are too large for the usual patch. We also sell a smaller size for Tube Repairs only.

Genuine Indian Enamel.

Put up by the Indian Company; gives the right shade for retouching.

¼ pint	..	3/-
½ pint	..	6/-
1 pint	..	9/-



23/6.

THE FINEST LUBRICANT FOR COASTER HUBS.

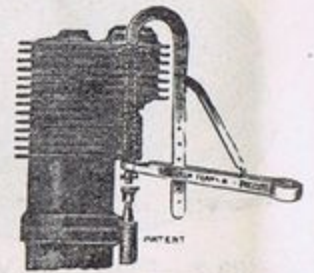
In collapsible tubes, with patent nozzle. 9d. tube.



68/21.

CARBORUNDUM VALVE-GRINDING COMPOUND.

Packed coarse and fine in handy flat tin with two compartments. Size of tin 4in. x 2¼ x 1½. 3/- per tin.



72/14—TERRY'S MOTOR CYCLE VALVE LIFTER.

Fits any engine.

A speedy, efficient time and trouble saver. Holds valve down and spring up. Leaves both hands free. The use of this Lifter enables a valve to be taken out whilst engine is hot. 2/6 each.

STEVENS' SPACING WASHERS

—For some time there has been a need for thin washers with proper diameters and holes larger than standard washers. Supplied in ten different sizes, 1-32" and 1-16" thick. 1/- per doz.



81/20.

LUCAS ROUND OILER—Made of Brass, heavily plated. Bent spout facilitates oiling in awkward places. ⅛ pint. Diameter 3¼", length 8½". 5/6 each.



68/26—MOTOR CYCLE INLET AND EXHAUST VALVES.

For all makes of Motor Cycles.

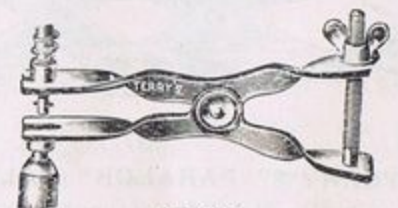
Made from 5% Nickel Steel Stampings. Highest standard of workmanship and excellent finish.

When ordering, please send sample if possible. With so many sizes and styles in stock, we are almost certain to have the one you want. Valves for over 20 makes of Motor Cycles in stock.

7/6 each,

except a few special sizes at 10/6 each.

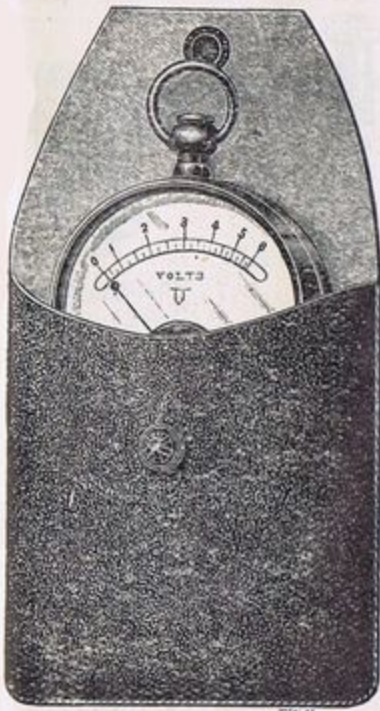
We Pay the Postage.



95/25.

TERRY VALVE LIFTER. Best quality hardened and tempered steel motor valve lifter. 4/- each.

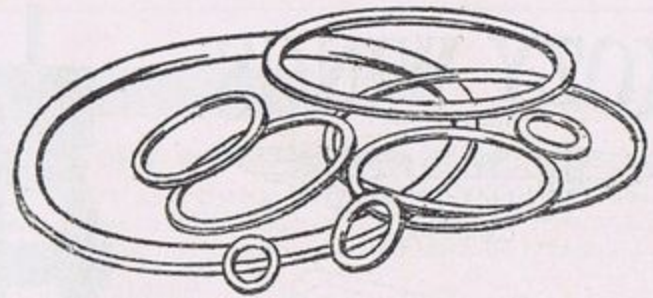
We pay the Freight on Bicycle Repair Jobs when same amounts to £2 or over.



19/11—VOLT METERS.
Registering 10 volts. Absolutely correct. A handy size for the pocket.
12/6 each.



73/14.
SPRING WASHERS.
3 dozen Assorted Lock Washers. A box should be in every private Garage.
1/- each.



76/19—COPPER AND ASBESTOS WASHERS.
We have these in all sizes, from the 9-16 up to the largest sizes required for Car engines.

in.	in.	in.	in.
0 to 1/2	.. 2d. each.	1 1-16 to 2	.. 4d. each.
9-16 to 1	.. 3d. ,,	2 to 3	.. 6d. ,,



110/12.
LUCAS LAMP WICKS.
3/8 in., 1/2 in., 5/8 in., 7/8 in., 1 in.,
2d. each.



34/13—HEAD WASHERS.
For fitting in place of lamp bracket.
6d. each.



53/24—VASELINE.
Unsurpassed for preserving bright parts and general use.
6d., 1/-, 1/3 tin.

**Enquire
re our
PAY AS
YOU
PLEASE
Plan
on
MOTOR
CYCLES**



57/6—SINGLE COIL
SPRING WASHERS.

Size 3-16	1/4	5-16	3/8 in.
Price 4d.	4d.	6d.	6d. doz.
Size 7-16	1/2	9-16	5/8 in.
Price 8d.	9d.	9d.	9d. doz.
Size 3/4	7/8	1 in.	
Price 1/-	1/-	1/2 doz.	



74/13—DOUBLE COIL
SPRING WASHERS.

Size 3-16	1/4	5-16	3/8 in.
Price 6d.	6d.	9d.	9d. doz.
Size 7-16	1/2	9-16	5/8 in.
Price 1/-	1/-	1/3	1/3 doz.

**MOTOR CAR
WIRE WHEEL REPAIRS**

We have mechanics expert in wire wheel work. Try us for your next job.

MICHELIN VALVE PARTS.

Milled Lock Nut ..	.. 6d. each.
Hexagon Lock Nut ..	.. 6d. ,,
Centre Stem ..	.. 9d. ,,
Milled Sleeve Socket ..	.. 9d. ,,
Rubber-headed Valve Pin..	.. 2d. ,,
Small Rubber Washer ..	.. 1d. ,,
Rubber Disc for Cap ..	.. 1d. ,,
Brass Washer ..	.. 3d. ,,
Large Rubber Washer ..	.. 3d. ,,
Large Dust Cap ..	.. 1/3 ,,



47/14—RICHFORD
VALVE GRINDING
COMPOUND.

Does its work quicker and better than any other abrasive. Hard and fast cutting—no mixing required—always ready for use—contains no emery.

Coarse and fine in one tin.

2/6 per tin.



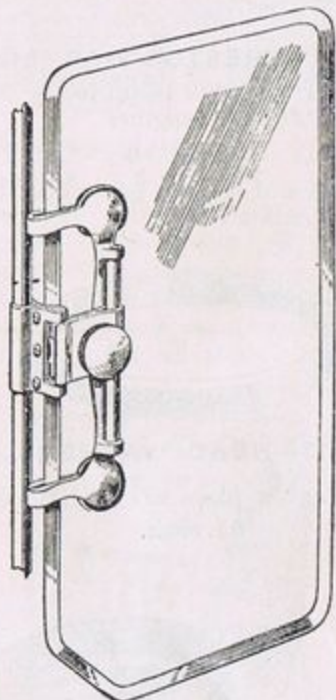
82/19—BRAZING WIRE AND
SPELTER.

Brazing Wire, Square ..	.. 3/- lb.
Brazing Spelter, Medium ..	.. 3/- lb.

Sole Agents Auckland District for B.S.A. and Indian Motor Cycles.

KOZY WINGS

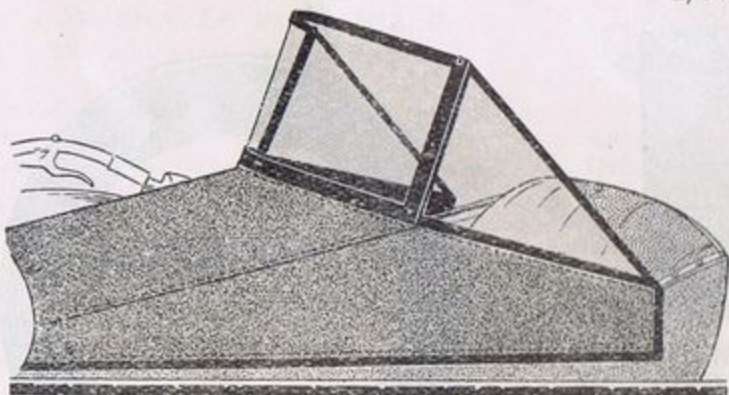
THE ORIGINAL



78/27 & 66/27—KOZY WINGS.

Kozy Wings fit all cars and are easily attached. They have a quality appearance unknown to other types. The bevelled glass is securely held, and yet instantly adjusted. The metal clamps are beautifully made and of ample strength.

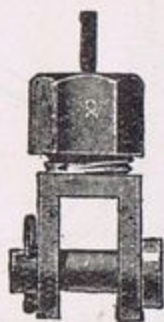
£4/17/6 per set.



41/20—THE ECLIPSE SCREEN.

Will fit any Side-car. The frame is bound with best quality material and Side Valances are of waterproof material fitted with large celluloid lights. Always keeps shapely. Simply open the door—the spring steel frame does the rest. Easy to fit, and complete with apron and screws. Size of centre panel 25in. x 10½in. Length of valance panel 18in. Length of apron from centre panel to toe 17in. Length of apron from toe to rear 38in. Normal width 21in.

45/- each.

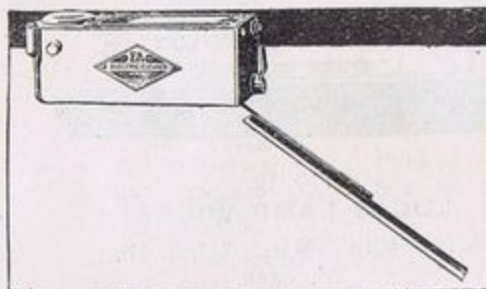


99/19.

BOWDEN SHACKLES.

For use with Bowden Wire. A strong fitting, adapted to many uses.

9d. each.



135/14—ELECTRIC WINDSHIELD

CLEANER—An electrically-operated positive-acting cleaner. Power consumption small, using about the same amount of current as dash bulb on car. Gives a constant wide sweep regardless of engine speed changes. 40/- each.



97/19—BOWDEN PLAIN STOPS.

A necessary fitting for keeping the outer casing at correct tension.

1/3 each.



96/19—BOWDEN WIRE NIPPLES.

For No. 52, 11, 12, 12A wire, 2d. each.

For No. 13, 14 wire, 3d. each.

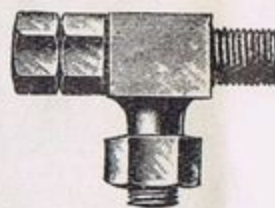


100/19.

BOWDEN CAPS.

For ends of wire.

3d. each.



73/19—BOWDEN BARREL STOP.

Swivels in any direction, and is much easier on the wire than a plain stop.

2/- each.



107/14.

AUTOMATIC WINDSCREEN WIPERS.

A safety device of utmost importance to every motorist.

Absolutely Automatic.

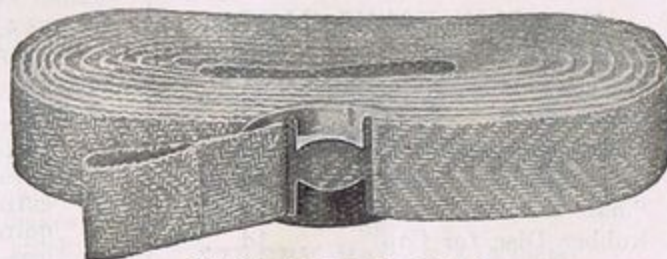
Just turn the needle valve on the vacuum motor—the wiper will swing backwards and forwards with regularity, cleaning the glass in the most severe rain. It works from the suction of the motor. Easily attached. Complete with all necessary fittings. 35/- each.



94/18.

Specially made for speed hub controls
6d. per foot.

**We Pay
the
Freight**



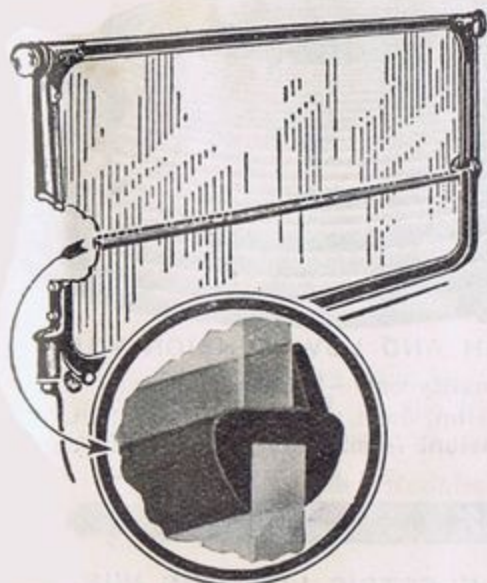
31/17—WEB STRAPS.

For Carriers, etc. Complete with buckle.

¾in. (2ft. 3in. long) .. 9d. each.

1in. (3ft. 6in. long) .. 1/6 "

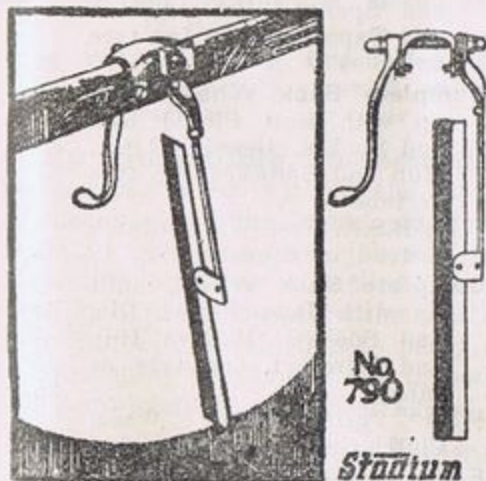
A Wind-screen fitted to your Side-car is a necessity for pleasurable riding.



71/18 — VITALIC WINDSHIELD WEATHER-STRIP — We have weather strips in many shapes for various cars. Please send sample when ordering or name and model of car for which required. 3/6 per length (enough for 1 screen).

OUR STOCK.

Our stock of Parts, Accessories, Tyres, etc., is more comprehensive than that of any other firm handling similar lines in N.Z. If you need something not listed, write us. If by any chance we should not have it, we will do our best to get it.



129/14—STADIUM WINDSCREEN WIPER — Easily fitted and operated. The special tension spring presses the adjustable squeegee at the correct pressure for efficient cleaning. For nearly all open cars. 7/6 each.



85/19—BOWDEN WIRE AND CASING.

We stock Genuine Bowden Wire and Casing only, which is the best quality obtainable. While we have endeavoured to indicate the particular wire required for various jobs, if you are in doubt send your old wire as a sample.

No.	Diameter of Inner Member.	Approximate Tensional Breaking Strain of Inner Member.	Recommended for.	Wire. Per ft.	Casing. Per ft.
52	1-22in. or 1.1 m/m	320lbs.	Carburettors	4d.	8d.
11	1-16in. or 1.59 m/m	660lbs.	General Control on Medium Powered Machines	4d.	8d.
12	5-64in. or 1.98 m/m	955lbs.	Light Clutch or Brake ..	6d.	9d.
12A	3-32in. or 2.4 m/m	1450lbs.	Medium Clutch or Brake	6d.	1/-
13	1-8 in. or 3.17 m/m	1505lbs.	Heavy Clutch or Brake..	9d.	1/3
14	9-64in. or 3.57 m/m	2220lbs.	Car use	9d.	2/3

For BOYS or GIRLS (4 to 9 years old)



THE "CUB-BIKE."

Built like a bridge for years of hard wear, and one of the most sensible to buy any child. All steel construction; no castings whatever. Its greatest feature is the fact that it can be taken to pieces, giving hours of enjoyment when it cannot be ridden. A Bicycle which a child never tires of, and which gives exercise to both mind and body.

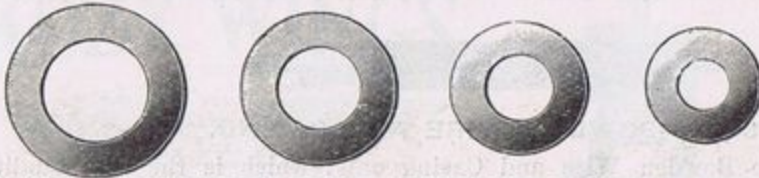
All parts detachable—replacements cheap—practically indestructible. All models are complete with spanner, free-wheel, brake and guards.

SPECIFICATION.

- Frame**—All-steel, bolted and spaced for maximum strength and lightness.
- Wheels**—12in. dia.; tyres 1/2in. to 7/8in. With or without ball bearings.
- Axles**—1/2in. diameter, giving long wear.
- Handle-bars**—3/4in. diameter tubes, adjustable and fitted with celluloid grips.
- Front Fork**—All Steel. Bridge construction with special "Saxess" swivel.
- Chain Wheels**—Artistic design; nickel plated; cranks cotted.
- Chain**—1/2in. pitch. "Coventry" or equal.
- Pedals**—Ball-bearing, rubber treads.
- Bottom Bracket**—Special "Saxess" all-steel design, 5/8in. axle.
- Mudguards**—Enamelled black.
- Brake**—Plunger type, nickel-plated, celluloid tips.
- Saddle**—Solid leather on 5/8in. diameter seat pillar; 8in. adjustment.
- Tool**—Double-ended spanner to take all nuts.
- Finish**—Stove enamelled, two coats.

£3-18-6 each, Freight Paid

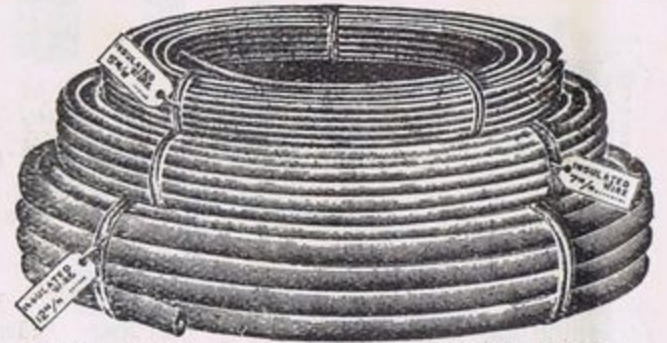
Sole Agents in Auckland District for B.S.A. Motor Cycles.



37/10—ENGINEERS' BEST FINISHED BRIGHT STEEL WASHERS, TURNED ALL OVER, AND WITH ONE BEVELLED EDGE.

Heavy Series for Whitworth Standard Size Bolts.

Size of hole ..	3-16	1/4	5-16	3/8	7-16	1/2 in.
Outside Diameter ..	1/2	5/8	3/4	7/8	1	1 1/8 in.
Thickness (gauge) ..	16	16	14	14	12	12
Per doz. ..	6d.	7d.	7d.	8d.	9d.	10d.
Size of hole ..	9-16	5/8	3/4	7/8	1	1 1/4 in.
Outside Diameter ..	1 1/4	1 3/8	1 5/8	1 7/8	2 1/8	2 5/8 in.
Thickness (gauge) ..	11	10	9	8	7	5
Per doz. ..	1/-	1/4	1/9	2/-	2/9	4/6



81/19—HIGH AND LOW TENSION WIRE.

Best quality only—heavily insulated.

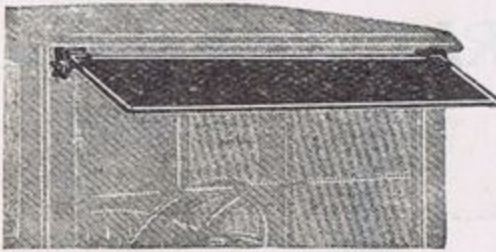
Low Tension, 5mm. .. 6d. foot.
High Tension, 7mm.-9mm. .. 9d. foot.



86/19—ELECTRIC LIGHTING WIRE.

Well insulated with rubber and braided. Is not affected by the weather. Specially recommended for Motor Cycle use. 4d. foot.

Aluminium Covered, 6d. foot.
Twin Aluminium Covered, 9d. foot.



121/14—VISORS.

Transparent Green Pyralin,
frame enamelled black .. 40/- ea.
Fabrikoid, rigid steel frame 12/6 ,,
Easily fitted, and adaptable to all
open cars.

VISORS

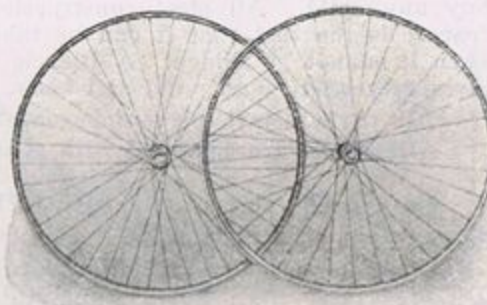
A necessity for every car—
for town or country driving.
Glare causes accidents. A
visor protects the driver
from sun glare by day and
from glaring street lights
and head lamps by night.
Also protects the windshield
from rain.

Country Repair Orders
Handled Promptly

REPAIRS.

New Plated Rim and Spokes, built up with your own Hub (Front or Back Wheel) ..	18/6
B.S.A. Front Hub and Complete Set Best Plated Spokes, built up in your own Rim ..	19/6
Pattern Front Hub and Complete Set Best Plated Spokes, built up in your own Rim ..	15/-
Complete Set New Best Quality Plated Spokes, built up in either Back or Front Wheel ..	9/6
B.S.A. Back Hub, complete with Sprocket and Complete Set Best Plated Spokes, built up in your own Rim ..	31/-
With B.S.A. Free Wheel Clutch instead of Sprocket ..	38/6
Pattern Back Hub, complete with Sprocket and Complete Set Plated Spokes, built up in your own Rim ..	21/-
With Pattern Free Wheel Clutch instead of Sprocket ..	26/-
Eadie Coaster Hub and New Set Spokes, built up in your own Rim ..	37/-
Sturmev - Archer 3 - Speed Coaster Hub, built up in your own Rim ..	62/6

Bicycle Wheels.



RIMS.

Genuine Westwood, Plated
only or Plated and Lined,
Drilled ready for fitting 9/-
Genuine Westwood, Enamelled,
Drilled ready for
fitting .. 7/6
When ordering Rims, state number
of holes required.
Where Rims are fitted, these
prices are reduced by 1/6 if
Enamelled Rim is fitted in place
of Nickel-plated Rim.

NEW WHEELS.

Complete Front Wheel, built up with Best Plated Rim and Spokes. Genuine B.S.A. Hub and Tape complete (no tyre or tube) ..	30/-
Complete Front Wheel, built up with Best Plated Rim and Spokes. Pattern Hub and Tape complete (no tyre or tube) ..	25/-
Complete Back Wheel, built up with Best Plated Rim and Spokes. Genuine B.S.A. Hub and Sprocket (no tyre or tube) ..	40/-
With B.S.A. Free Wheel Clutch instead of Sprocket ..	43/6
Complete Back Wheel, built up with Best Plated Rim and Spokes. Pattern Hub and Sprocket (no tyre or tube) ..	30/-
With Pattern Free Wheel Clutch instead of Sprocket ..	38/6
Eadie Coaster Hub, built up, complete with new Rim (Plated) and set of Best Spokes ..	46/6
Sturmev - Archer 3 - Speed Coaster Hub, complete with new Rim (plated) and set of best quality Spokes ..	70/-

Always send old part as sample—ensures the right fitting being sent you.

Bicycle Enamelling, Repairs, etc.

We pay freight on all Bicycle Repairs when the cost of same is £2 or over.

For years past we have kept a good staff fully employed on Repairs of all kinds. Whether you merely want a Spoke tightened, or the more serious matter of a new Tube built in the frame of your Bicycle, we can assure you of good, careful workmanship, well supervised and inspected before leaving our hands.

We give Mail Order Repairs the same strict attention that we would do if you personally brought your Bicycle in to us. Our work is also promptly done, and the Bicycle or parts are well wrapped up on returning to you.

Our stock of Bicycle parts and repair fittings, lugs, tubing cones, etc., is probably the largest and best assorted in New Zealand. We have been in the Bicycle business continuously for the past 37 years, and have many old pattern and out-of-date parts not now procurable anywhere else in the Dominion.

If a Bicycle Repair job can be done, we can do it. We are always willing to give you our best advice at any time, whether you actually have the work done or not. We do not try to do work at the lowest prices. We give you a really first-class job and charge a fair price. It will pay you to send us your next Repair job.

In all cases where the Repair requires the dismantling of the Bicycle or parts, the machine or parts are carefully assembled again, Bearings overhauled, refitted and adjusted. This is all included in prices quoted for the different jobs. We have only priced the work most usually required, but are always glad to quote for any Repair work needed.

Enamelling.

Our prices for Enamelling, etc., are as follows:—

Stove Enamelling and Overhauling Complete Machine	-- --	£1/17/6
Lining Frame in any Colour (1 line)		5/-
Lining Frame in any Colours (2 lines)		7/6
Lining Frame in Gold or Silver (1 line)	-- -- --	7/6
Lining Frame in Gold or Silver (2 lines)	-- -- --	10/-
Wheels Stove Enamelled, Bearings thoroughly cleaned, adjusted and refitted, per pair	-- --	10/-

By Enamelling, we mean three coats of best Enamel, stoved on, with all the old enamel first burnt off machine, and the frame, etc., thoroughly polished so as to give a lasting job and smooth finish. A Bicycle to be Stove-enamelled has to be taken completely to pieces down to the smallest part, so that your machine, in addition to being enamelled, has to be thoroughly overhauled and inspected in every part and completely re-assembled again.

We can also Air Dry Enamel your machine in cases where a very old Bicycle is not worth spending much on. Air Dry Enamelling does not, of course, last anything like so long or look as well as Stove Enamelling, but still it is all that is required in some cases.

OUR PRICE for Air Dry Enamelling and Overhauling Complete Machine -- 27/6

General Overhaul.

We give your machine a *genuine overhaul*. All parts are taken to pieces—that is, Head of machine, front and back Hubs, bottom Bracket, Pedals, etc.—Wheels trued, and everything thoroughly oiled and adjusted as well as possible. If a few new Spokes, Ball Bearings, a Cone, or a small new part are required, these are fitted and charged for extra. If anything seriously wrong is noticed, we advise you and await further instructions.

Price of General Overhaul, 17/6.

Frame and Fork Repairs.

In all our Frame and Fork Repairs we use genuine B.S.A. parts wherever possible. While these cost more than Pattern parts, they ensure a much more satisfactory and lasting job at very little extra expense to our customer. In the case of Frame repairs, unless otherwise instructed we either touch up the damaged enamel or give the whole machine a coat of air-drying enamel, depending on the general condition—our aim being to give you as good a job as possible. Should you wish to have the frame Stove-

Our Stock of Bicycle Repair Parts, Lugs, Cones, etc., is the largest in N.Z.

enamelled, this can be done for very little more, as set out below.

In the case of a big repair, we would suggest that the opportunity be taken advantage of to have the machine thoroughly overhauled and Stove-enamelled. This does not add greatly to the cost of repairs, but gives your machine a new lease of life and puts it in first-class order.

The following prices are for repairs to B.S.A. and Standard Pattern Bicycles. American machines and those of odd make are often more difficult and sometimes impossible to repair, owing to the peculiar type of fittings used.

FRAME REPAIRS.

Fitting one new Main Tube to Frame ..	25/-
Fitting two new Main Tubes to Frame..	32/6
Fitting one new Head Lug to Frame ..	20/-
Fitting two new Head Lugs to Frame ..	30/-
Fitting new Head Tube to Frame ..	22/6
Fitting new Seat Lug to Frame ..	20/-
Fitting new Bottom Bracket Shell to Frame ..	37/6
Fitting new Loop Tube to Lady's Bicycle	30/-

If you wish the Frame and Forks Stove-enamelled, and the Machine thoroughly overhauled, add 27/6 to the above prices.

FRONT FORK REPAIRS.

Fitting new Pattern Double-buttet Stem to Front Fork ..	12/6
Fitting new Genuine B.S.A. Double-buttet Stem to Front Fork ..	15/-
Fitting new Box Crown to Front Fork ..	20/-
Fitting one new Pattern Fork Blade to Front Fork ..	8/6
Fitting one new Genuine B.S.A. Fork Blade to Front Fork ..	11/6
Fitting two new Pattern Fork Blades to Front Fork ..	14/-
Fitting two new Genuine B.S.A. Fork Blades to Front Fork ..	21/6
Fitting one new Fork Tip to Front Fork	6/-
Fitting two new Fork Tips to Front Fork	9/6

If you wish the Forks Stove-enamelled, add 4/- to the above prices.

REAR FORK REPAIRS.

Fitting one new Stay End (top or bottom) ..	6/6
Fitting two new Stay Ends (top or bottom) ..	10/6
Fitting one new Rear Fork End ..	12/-
Fitting two new Rear Fork Ends ..	17/6
Fitting one new Chain Stay ..	15/-
Fitting two new Chain Stays ..	22/6
Fitting one new Seat Stay ..	12/6
Fitting two new Seat Stays ..	20/-

Best Quality Nickel Plating.

RUSTY PARTS ON YOUR BICYCLE.

Rusty parts on your Bicycle spoil its whole appearance. We can plate all parts, or just the Handle Bars or any odd parts that may require Plating. The prices below are for the Best Plating only. Each part is first coated with a thick deposit of copper, and is then treated with a heavy coating of Best Quality **Nickel**. This gives a lasting job.

PLEASE NOTE.—Prices quoted are for Plating only. Where parts require taking apart and refitting, this is charged extra, except in Overhaul and Enamelling jobs, when parts will be disassembled for cleaning and adjusting, etc., in any case.

We give below prices for Plating the parts most usually requiring Re-plating. We shall be glad to quote specially for any parts not mentioned.

PRICES FOR NICKEL-PLATING BICYCLE PARTS.

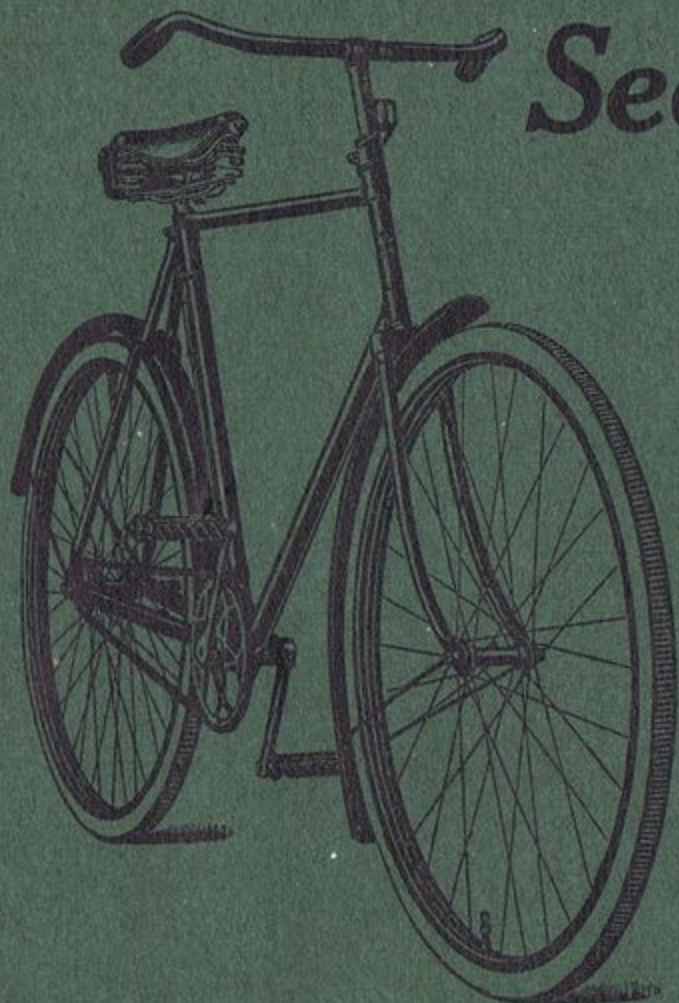
HANDLE BARS (complete) ..	7/6 to 10/6	FRONT BRAKE (complete) ..	4/6 to 6/6
HEAD CLIP and BOLT ..	1/9	BRAKE LEVER only ..	2/-
SEAT PILLARS ..	2/6	CHAIN WHEEL ..	2/9
HANDLE-BAR BEND only ..	6/6	FORK CROWN only ..	3/6
HANDLE-BAR STEMS only ..	2/6	FORK TIPS, per pair ..	2/9
CRANK (Right Hand) ..	2/6	PEDALS, per pair ..	5/-
CRANK (Left Hand) ..	2/3	LAMP BRACKET ..	1/-

Complete Set of usual Fittings on Bicycle (according to number of parts) .. £2 to £2/10/-.

The above does not include the Plating of either the Rims, Spokes or Hubs. To plate these the wheels have to be unbuilt, and as the Spokes can seldom be used again, the cost in time and material is prohibitive. We usually polish the Hubs as well as possible, and enamel the Rims and Spokes if these are in a bad state.

WE ALSO REPLATE Motor Cycle Fittings, Motor Car Parts, Cruets, Trays, Spoons, Forks—in fact, anything that can be plated. Send us your old articles, and we will make them **equal to new**. **Best quality work only.**

We receive Repair Work from all parts of the Auckland Province.



Second-hand Bicycles

Delivered *FREIGHT PAID* at
**Special Price of
£4-18-6 each**
(LADY'S or GENT'S)

Thoroughly overhauled and complete with Tool Bag, Tools, Oilcan, Pump and Clips, and Bell. Ready for riding. Mudguards fitted at extra cost of 7/6 per machine. Above is nett cash price—if required on terms the price is £6/8/6, with £1 deposit; balance £1 monthly.

DURING a year we handle a large number of Second-hand Cycles, taking them as part-payment for new machines. These Second-hand Bicycles come to us in all sorts of conditions, some in good order and some in very bad order.

Second-hand Bicycles are useless to us, and we must turn them into cash. To do this quickly, we have them all thoroughly overhauled, frames enamelled where necessary, free-wheels fitted, and new tyres and tubes, etc., supplied where required, selling them at a special price, delivered Free to your nearest port or station anywhere in New Zealand.

We could, of course, supply you with a Second-hand Machine for less than £4/18/6, but we prefer to put the machines in a satisfactory running order, selling them at a price that will allow us to supply a machine that will give good service, and, although we cannot actually guarantee Second-hand Cycles, you can rest assured that any machines we sell in this way are perfectly safe and reliable so far as the frame and vital parts are concerned. If any prove otherwise, we will see that they are made good Free of Charge to you.

The Machines we are offering are equipped as follows:—

FRAME AND FORKS.—Thoroughly examined, and enamelled black unless in good condition. (We have frames in almost any size.)

WHEELS.—Trued up, and new spokes fitted where required.

FREE-WHEELS.—All machines are fitted with Coaster Hubs and Brake. Chiefly with the Eadie Coaster Hub.

CHAIN.—This is overhauled, or new one fitted if needed.

CRANKS AND BOTTOM BRACKET.—These important parts are adjusted, new Bearings and Cotter Pins fitted where necessary.

PEDALS.—These are also overhauled, or new ones fitted if required.

TYRES.—New Tyres and Tubes are supplied, unless the old Tyres and Tubes are in first-rate order.

SKATES & WHITE LTD.
BICYCLE AND MOTOR IMPORTERS

The "DANDY" BOY'S BICYCLE



This model is sold at a price considerably lower than the usual Juvenile Bicycles, yet is a Really Reliable Bicycle and suitable for Boys up to 12 years of age. They are specially suitable in cases where a boy wants something better than a Tricycle but does not require a full size Bicycle.

£5-12-6

NOTE: This Model is not Sold on Terms.

SPECIFICATION.

FRAME—Patent All-Steel Duplex Frame and Fork. Exceptionally strong. Enamelled Black, three coats, lined Bright Red, and Transferred.

HANDLE-BAR—Best Weldless Steel Tube, plated and fitted with Black Celluloid Grips.

MUDGUARDS—Front and Rear, Steel, with strong riveted stays, with Bridges on rear to secure firmly to frame. Enamelled Black, three coats, lined Bright Red and Transfer.

WHEELS—Fitted with Best Ball Bearing Steel Hubs, made from Solid Bar, plated, black centres, and fitted with Hutchinsons 18in. x 1½in. Pneumatic Tyres.

BRAKE—Strong pull-up Rim Brake, plated.
PEDALS—Rubber, Ball Bearing and Plated.
CHAIN—½in. x ½in. Best Quality.
FREE WHEEL—Best Quality, all steel, English made.
CHAIN WHEELS AND CRANKS—Best Quality all steel plated, toughened cranks.
SADDLE—Best Quality 3 coil.

Quality TRICYCLES.

These Tricycles are entirely different from the ordinary cheap Tricycles, and they run as easily and noiselessly as a bicycle, being equipped with accurately-made hardened ball bearings in both hubs and pedals. The high-grade English steel bicycle tubing combines lightness with strength.

SPECIFICATION.

The rear axle and back arch bar are made sufficiently strong to carry an adult's weight.

Tangent spoked bicycle wheels.

Cushion rubber tyres of 1-inch diameter wired on with special non-rusting wire.

Comfortable and adjustable, drop coil saddle of bicycle design.

Adjustable Handle-bars heavily nickelled over copper. Absolutely rustproof.

Frame finished in attractive colours of specially baked weather-

proof enamel, nicely striped. Will not chip.

Detachable forged cranks—easily obtainable should necessity demand it.

Nicely shaped rubber grips of bicycle design.

Mudguard of bicycle design, shaped to front wheel, finished and striped to match frame.

All axle ends fitted with special hub cap to prevent scratching furniture when ridden in house. They also add to the appearance of the machine. Steel rims enamelled to match frame.

Special ball bearing rubber pedals, long lasting and comfortable to the foot.



Model.	Wheel Diameter.		Reach from Saddle.		For Age.	Price.
	Front.	Rear.	High.	Low.		
1	16"	10"	19½"	17½"	3 to 4	£3 7 6
2	20"	12"	22"	19½"	4 to 6	£3 17 6
3	24"	16"	24½"	22"	6 to 8	£4 10 0

SCOOTERS.

This Scooter is exceptionally attractive, well made and easy-running.

£1-3-6

SPECIFICATION.

It has Bicycle spoked wheels with Plain Bearings and 1" solid Rubber tyres wired on with special non-rusting wire (10" wheels).

The Head (the curved part connecting the Handle with the Running Board) is unusually strong. It is so shaped that it serves also as a Front Mudguard. The other metal parts are of high-grade cold

rolled steel, and with enamel baked on. Lock nuts on bolts and washers prevent them shaking loose.

The nicely shaped handle is of hardwood.

The Running Board is painted a brilliant durable red, appealing to the children.

Fitted with stand. Fork and Stem are satin Nickel Finish.

