

★ *Cyclo* ★
Benelux

The *First* Name in Derailleur Gears

over 5000 major successes

FITTED BY ALL BRITISH CYCLE MAKERS

The most successful gear in open competition, winning practically every major road event in this country. It is the choice of all the star riders and all the leading British cycle manufacturers for their sports models and is accepted as part of the high-class specification of the best machines.



CYCLO GEAR COMPANY LIMITED

GENERAL ENGINEERS . MANUFACTURERS OF VARIABLE GEARS
 TOOLS AND ACCESSORIES FOR THE CYCLE INDUSTRY.
 MULTIPLE FREE WHEEL SPECIALISTS

ASTON . BIRMINGHAM 6 . ENGLAND

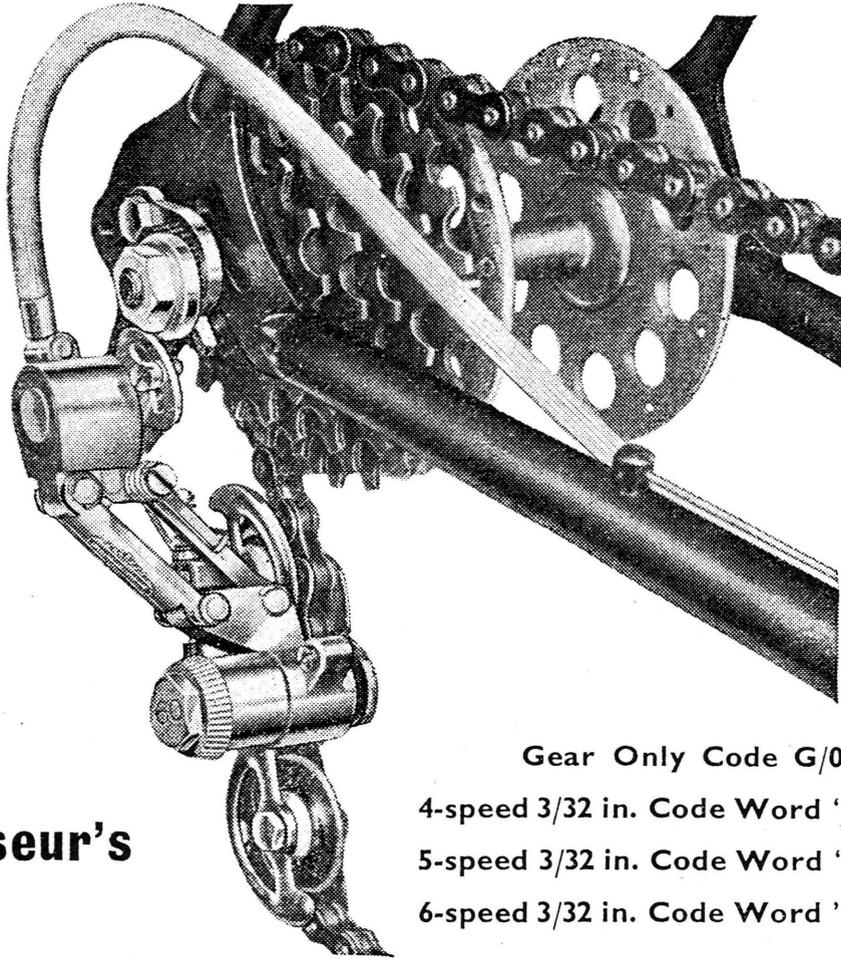
Telephone: NORthern 2951/2

Codes: A.B.C. 7th Edition

Telegrams { CYCLOGEARS, BIRMINGHAM
 and
 Cables: { BENELUX, BIRMINGHAM

BENELUX

Super 60



the
connoisseur's
choice

Gear Only Code G/0/60

4-speed 3/32 in. Code Word "SUFOR"

5-speed 3/32 in. Code Word "SUFIV"

6-speed 3/32 in. Code Word "SUSIX"

SUPER 60 SIX SPEED.

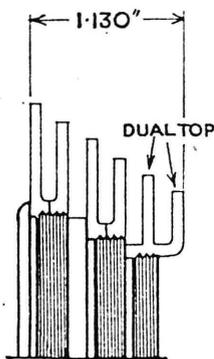
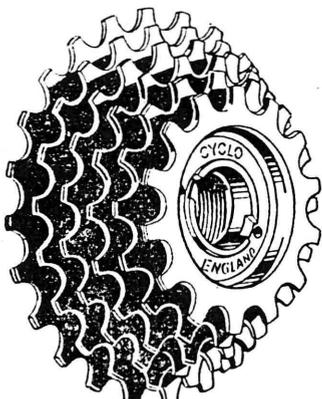
The maximum range for this gear is 13 tooth top gear to 26 tooth low gear, it is also necessary to see that the Super 60 box is marked 6 speed as the 5 speed Super 60 mechanism is not suitable.

The freewheel range available is as follows:—

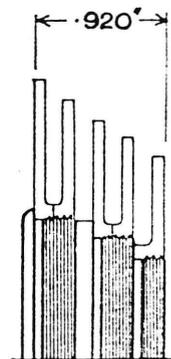
DUAL TOP SPROCKETS 13—14, 13—15, 14—15, 14—16.

THIRD & FOURTH 16—17—18—19—20.

FIRST & SECOND 18—19—20—21—22—23—24—25—26.



SIX SPEED



FIVE SPEED

CODE WORD
BEFOX.

Dual top (13—14) (13—15) (14—15) (14—16).

BENELUX

Super 60 Fitting Instructions

All "Super 60" Gears are supplied already set and correctly tensioned to suitable chain length normally used on such types of derailleurs.

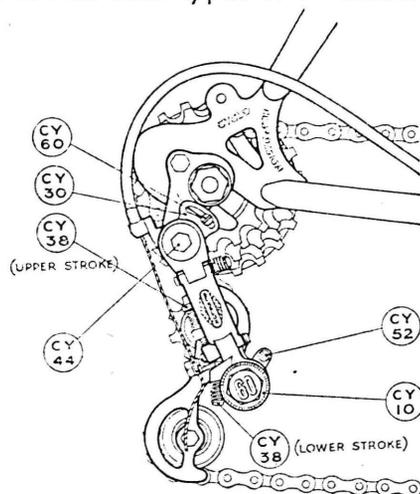


FIG. 1.

FOR 6 SPEED GEAR ONLY

Dish wheel as for 5 speed $\frac{3}{32}$ " then add approximately $\frac{1}{8}$ " additional packing to both sides of the spindle inside frame.

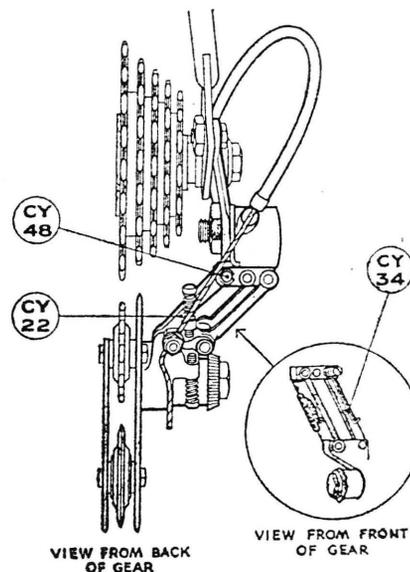


FIG. 2.

1. Fit Gear to Fork End.
2. Line up the 9-tooth Jockey Sprocket with Top Gear Cog by means of Lower Stroke Adjusting Screw (Ref. CY. 38) Fig. 1, making sure that the Derailing Cage is parallel with the Freewheel. IT IS IMPORTANT THAT THE GEAR DOES NOT APPEAR BENT OR TWISTED.

NOTE: Should the gear require setting, insert long section of Allen Key Setting Tool (Ref. CY.74) into Hexagon Hole of Swivel Pin (Ref. CY.44) and set correctly.

3. Fit Outer Casing and Inner Wire.
4. Correct chain length; fit the chain into derailing cage as in Fig. 1, derail chain on to low gear and set in correct position by means of Upper Stroke Adjusting Screw, see Fig. 1; set angular position of gear by means of Stop (Ref. CY60) in elongated slot in Stop Plate (Ref. CY.30) so that the chain will give one complete link (i.e. 3 rivets) from where the chain leaves the low gear cog to where it meets the 9-tooth Jockey Sprocket. Derail chain back on to top gear cog to ensure maximum wrap round of chain on sprockets. An extra link in the chain may be required or the angular position of the gear adjusted. THIS CHECK IS IMPORTANT AS IT ENSURES THAT THE CHAIN WILL NOT JUMP OR SLIP, EVEN IF THE GEAR IS INSUFFICIENTLY TENSIONED.
5. The radial tension of the derailing cage is restricted by Stop Screw (Ref. CY52). Do not remove this screw as restricted movement of the cage is to facilitate wheel removal.
6. Slow derailing action on to top gear cog is due to loss of tension. Detach leg of Arm Return Spring (Ref. CY.34) Fig. 2 from Rear Link (Ref. CY.22). Remove circlip from Spring Tension Shaft (Ref. CY.48). Withdraw shaft sufficiently for notch to clear Peg (Ref. CY.76). Turn shaft clockwise so that the next notch will locate on peg. Replace spring and circlip.

IMPORTANT The barrel stop Ref. CY/95 (not illustrated) must be fitted to the inner wire before connecting inner wire to pinch bolt assembly.

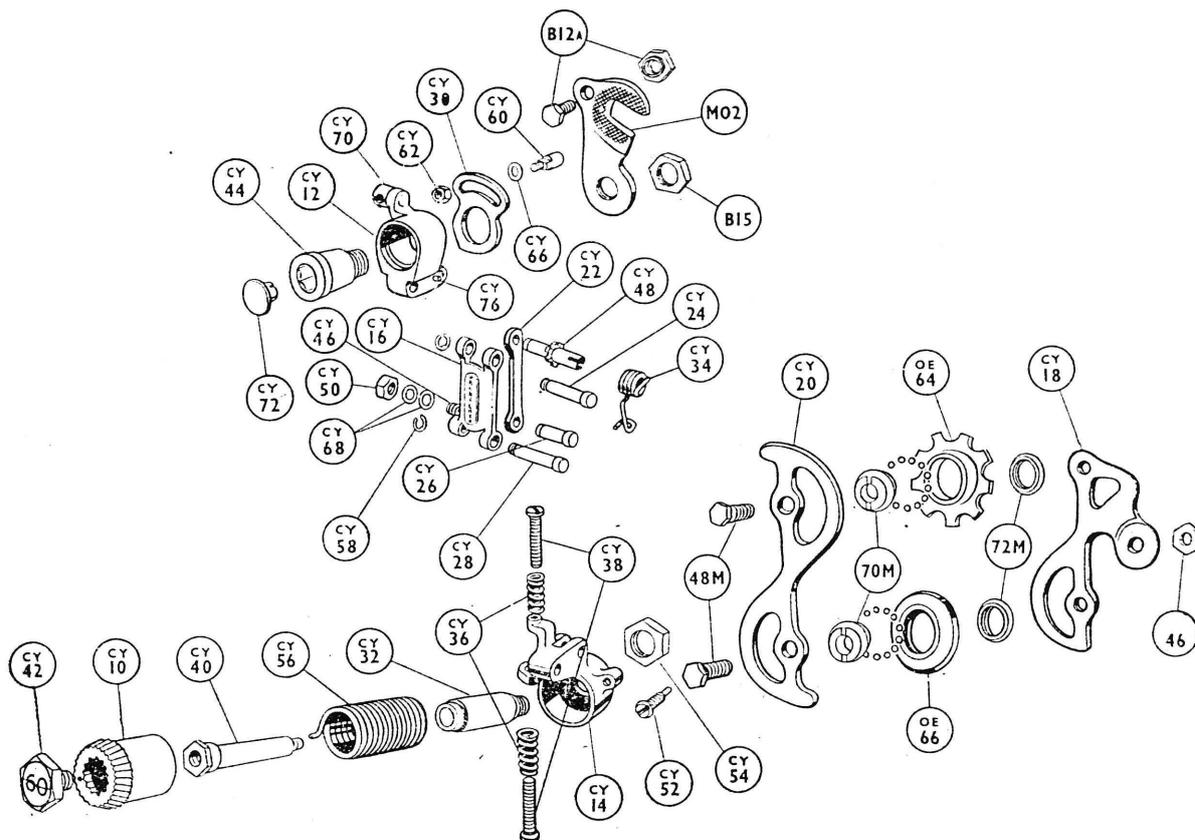
When the gear is correctly adjusted in low gear, slide the barrel stop to the under-side of cable stop (CY/70) and tighten.

This is to eliminate any possibility of overriding the low gear.

7. Should the Control Wire break, until replaced it is still possible to ride machine in any one gear. Mount chain on the cog selected and set Lower Stroke Adjusting Screw to secure this adjustment.

BENELUX

Super 60 Spares



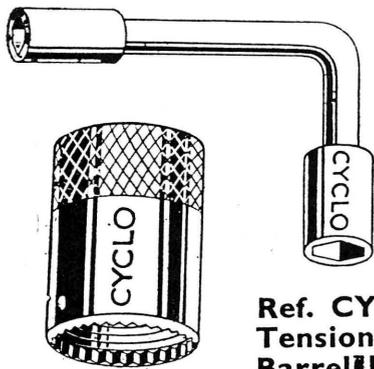
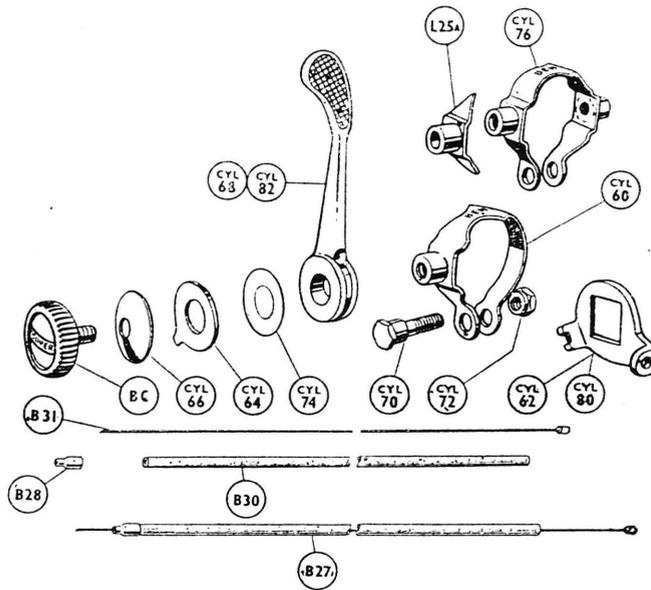
GEAR SPARES

Ref. No.

CY10 Tension Barrel
CY12 Upper Pivot Body
CY14 Tension Body
CY16 Front Arm
CY18 Rear Guide Plate
CY20 Front Guide Plate
CY22 Rear Link
CY24 Front Arm Upper Pin
CY26 Rear Arm Upper Pin
CY28 Front Arm Lower Pin
CY30 Adj. Stop Plate
CY32 Sleeve
CY34 Arm Return Spring
CY36 Friction Spring
CY38 Stroke Adj. Screw
CY40 Shaft
CY42 Retaining Screw
CY44 Swivel Pin
CY46 Pinch Bolt
CY48 Spring Tension Shaft
CY50 Pinch Bolt Nut

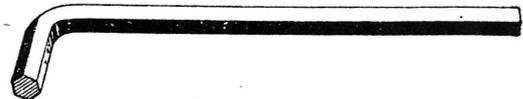
Ref. No.

CY52 Stop Screw
CY54 Sleeve Ret. Nut
CY56 Chain Tension Spring
CY58 Circlip
CY60 Arm Stop Pin
CY62 3BA Nut
CY66 Stop Pin Washer
CY68 Pinch Bolt Washer
CY70 Cable Stop
CY72 Button
CY76 Spring Ret. Peg
B12A Rosa Stop Guide and Pin
MO2 Arm Bracket
B15 Nut
46 Shaft Nut
48M Pulley Pin
72M Tapped Cone
OE64 Sprocket
OE66 Roller
70M Screwed Cone
64C Sprocket Complete
66C Roller Complete

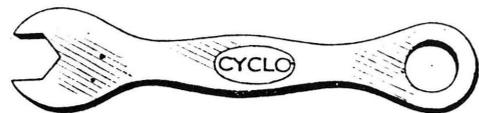


Ref. (CY62T)
Tubular
Spanner

Ref. CY10T
Tension
Barrel Key



Ref. CY74 SETTING TOOL



CY46T Flat Super 60 Spanner



Ref. CY78 CIRCLIP APPLICATOR

For easy assembly of Circlip

LEVER SPARES

Ref. No.

- CYL60** Lever Clip with Boss
- CYL62** R. Hd. Back Plate
- CYL64** Friction Plate
- CYL66** Friction Spring Cover
- CYL68** R. Hd. Control Lever
- CYL70** Lever Clip Screw
- CYL72** Lever Clip Nut
- CYL74** Fibre Washer
- BC** Control Lever Damper
- CYL76** Double Lever Cup with Boss
- CYL80** L. Hd. Back Plate
- CYL82** L. Hd. Control Lever
- CYL84** R.Hd. Control Lever Assy. Less Cables.

Ref. No.

- CYL85** L.Hd. Control Lever Assy. Less Cable.
- CYL86** Double Control Lever Assy.
- L25A** Brazed-on Type
- B27** Transmission Complete
- B28** Cable Bell Ferrule
- B30** Outer Casing
- B31** Inner Wire only
- CY74** Setting Tool
- CY78** Circlip Applicator
- CY46T** Flat Spanner.
- CY62T** Tubular Spanner.
- CY10T** Tension Barrel Key.

BENELUX

Mark 7 Gear

FITTED BY ALL BRITISH CYCLE MAKERS

The most successful gear in open competition, winning practically every major road event in this country. It is the choice of all the star riders and all the leading British cycle manufacturers for their sports models and is accepted as part of the high-class specification of the best machines.

Available in four types: 3-speed for $\frac{1}{2}'' \times \frac{1}{8}''$ chain, 4-speed for $\frac{1}{2}'' \times \frac{1}{8}''$ chain or $\frac{1}{2}'' \times \frac{3}{32}''$ chain and 5-speed for $\frac{1}{2}'' \times \frac{3}{32}''$ chain. Sprocket range: 13T—24T. On freewheel—4 tooth difference—on chainwheel—complete overall range 15Th.

STAR FEATURES INCLUDE

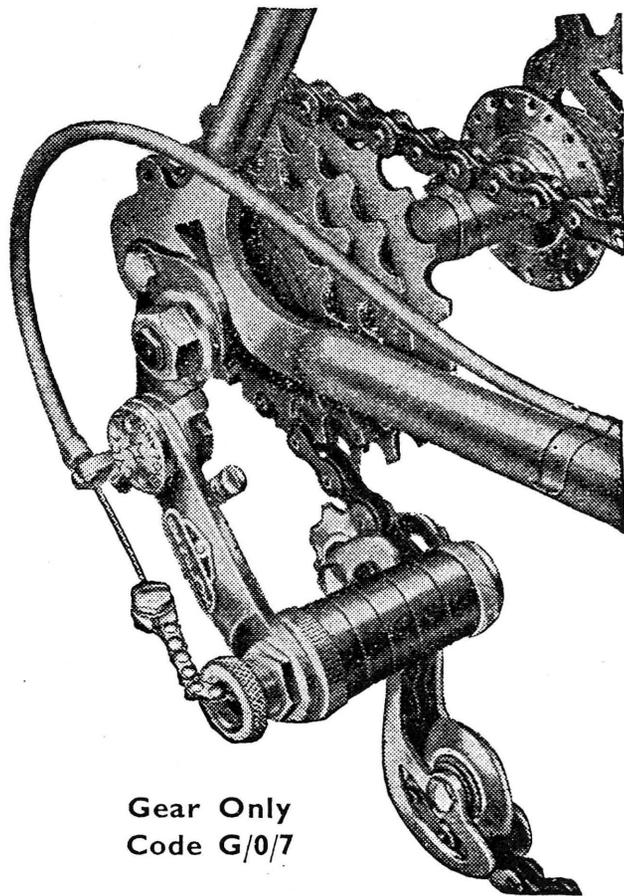
- ★ 1. Toggle Chain replacement reduced to minimum cost.
- ★ 2. Easily adjustable to different ratios.
- ★ 3. Easier lateral adjustment.
- ★ 4. Suitable for $\frac{1}{8}''$ or $\frac{3}{32}''$ chain.
- ★ 5. Improved design of chain guard.
- ★ 6. Flush Cage.
- ★ 7. 10% lighter — super finish — more pleasing to the eye.

3-speed $\frac{1}{8}''$ Code Word: BAYS
Standard ratio: 14×17×20T.

4-speed $\frac{1}{8}''$ Code Word: BOBYS
Standard ratio: 14×16×18×20T.

4-speed $\frac{3}{32}''$ Code Word: BABYS
Standard ratio: 14×16×18×20T.

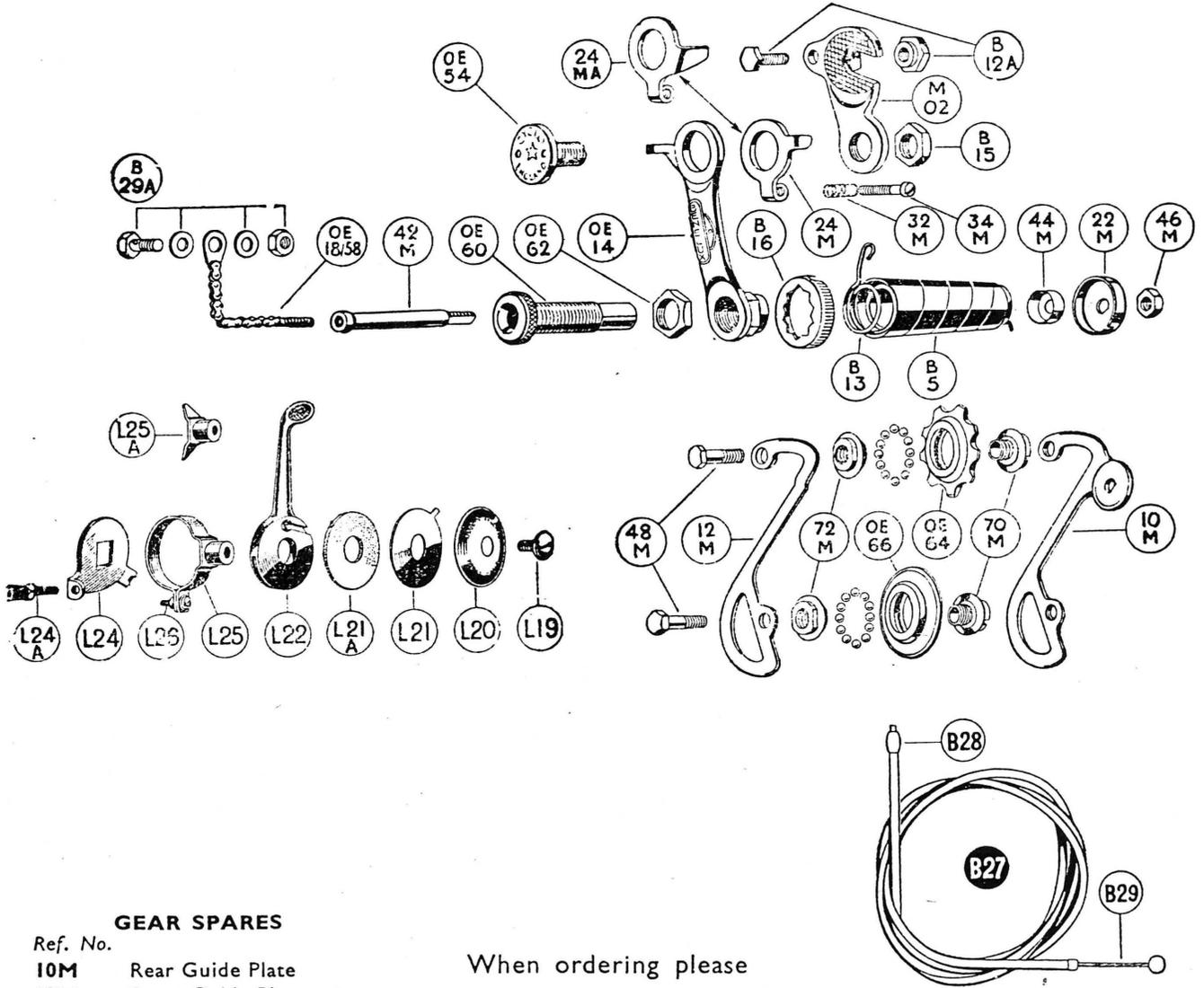
5-speed $\frac{3}{32}''$ Code Word: BROOMS
Standard ratio: 14×16×18×20×22T.



Gear Only
Code G/0/7

BENELUX

Mark 7 Spares for 3-4-5 Speed



- GEAR SPARES**
- Ref. No.
- 10M** Rear Guide Plate
 - 12M** Front Guide Plate
 - 22M** Small Spring Ret. Cup
 - 24M** Adjustable Stop for M02 Bracket Fitting
 - 24Ma** Adjustable Stop for Gear End
 - 32M** Friction Spring
 - 34M** Adjustable Stop Screw
 - 42M** Op. Shaft
 - 44M** Spring Loc. Cup
 - 46M** Shaft Nut
 - 48M** Pulley Pin
 - 70M** Screwed Cone
 - 72M** Tapped Cone
 - OE14** Gear Arm
 - OE18/58** Toggle Chain Assembly
 - OE54** Swivel Pin and Bush
 - OE60** Adj. Sleeve
 - OE62** Adj. Nut
 - OE64** 9T. Jockey Sprocket only (Steel or Nylon)
 - OE66** Tension Pulley only (Steel or Nylon)

When ordering please quote Ref. No.

- GEAR SPARES**
- Ref. No.
- B5** Volute Spring
 - B12a** Rosa Stop Guide and Pin
 - B13** Taper Tension Spring
 - B15** Nut
 - B16** Large Spring Ret. Cup
 - B29a** Draw Bolt Assembly
 - M02** Arm Bracket
 - 64c** Sprocket Assembly Complete
 - 66c** Roller Assembly Complete
- } Steel or Nylon

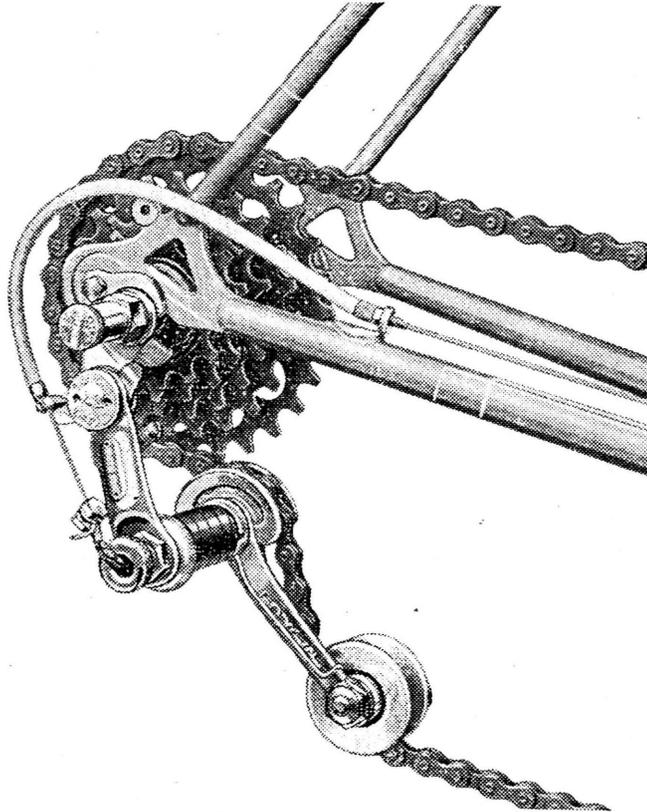
- LEVER SPARES FOR MK 7 AND TOURIST**
- Ref. No.
- B27** Transmission Complete
 - B28** Cable Bell Ferrule
 - B29** Inner Wire ONLY
 - L19** Lever Centre Screw
 - L20** Spring Friction Plate
 - L21** Large Washer
 - L21a** Fibre Washer
 - L22L** Lever Banjo-Left Hand
 - L22R** Lever Banjo-Right Hand
 - L24L** Back Plate-Left Hand
 - L24R** Back Plate-Right Hand
 - L24a** Cable Adjuster
 - L25** Clip Complete with Boss
 - L25a** Brazed on Lever Boss
 - L26** Bolt and Nut or Clip
 - L27** Double Lever Clip
 - L19/25** Lever Complete (Left or Right Hand)

BENELUX

Mark 8 Tourist Gear

A GEAR FOR WIDE RATIOS

N.B.—SPROCKET RANGE 13th. to 28th. ON FREEWHEEL
 20th. DIFFERENCE ON CHAINWHEEL
 COMPLETE OVERALL RANGE 35th.



Gear Only
 Gode: G/0/T8

Gear complete
 with
 Benelux boss type
 (square form teeth)
 Free-wheels.

Gear Complete With Freewheels

Code word: **TRIO**

Top	...	13 to 16 th.	} three-speed
2nd	...	16 to 18 th.	
1st	...	17 to 28 th.	

$\frac{1}{2}'' \times \frac{1}{8}''$

Code word: **TREK**

Top	...	13 to 16 th.	} four-speed
3rd	...	16 to 20 th.	
1st and 2nd	...	18 to 28 th.	

$\frac{1}{2}'' \times \frac{3}{32}''$

Code word: **TRAK**

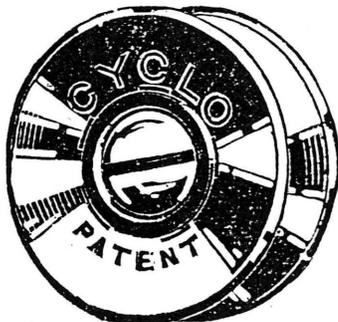
Top	...	13 to 16 th.	} four-speed
3rd	...	15 to 19 th.	
1st and 2nd	...	17 to 28 th.	

$\frac{1}{2}'' \times \frac{1}{8}''$

Code word: **TRIV**

Top	...	13 to 16 th.	} five-speed
3rd and 4th	...	16 to 20 th.	
1st and 2nd	...	18 to 28 th.	

$\frac{1}{2}'' \times \frac{3}{32}''$



ROSA TENSION PULLEY

(Patent)

For Tourist Gear

Eliminates the possibility of the chain jumping over pot holes.

Should be fitted to gears where the number of teeth between **low** and **top** exceeds 10.

Dural flanges. Weight 3 oz.

CHAINWHEEL DERAILLEUR

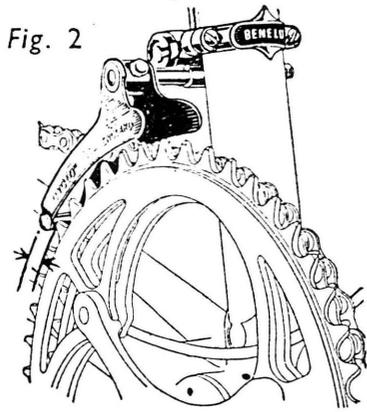
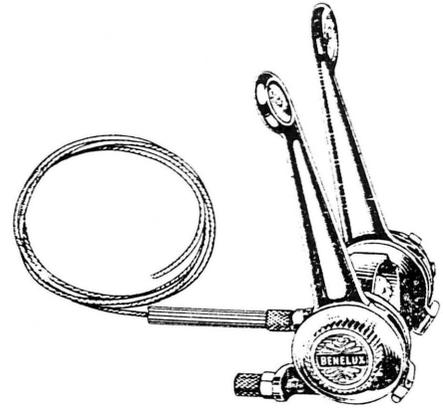
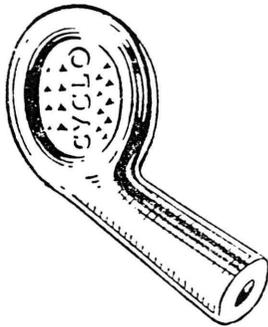


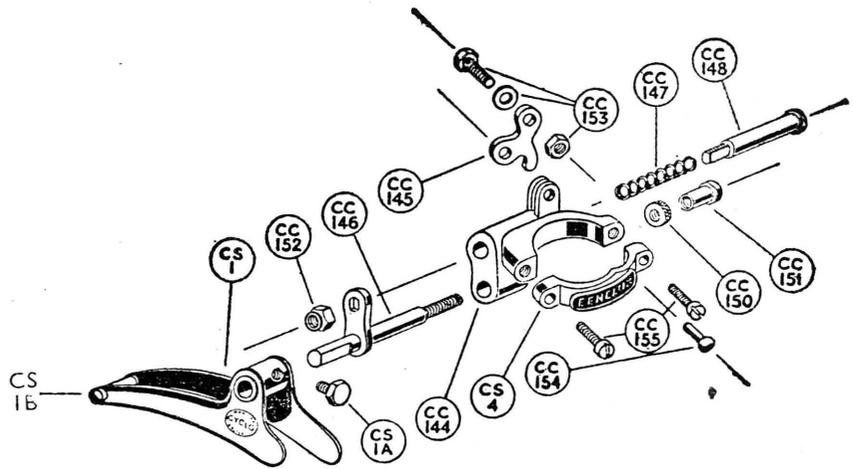
Fig. 2
Cable control Shifter assembly
Ref. "SHIF" Single Lever
,, "SHIFWIN" Twin Levers



Twin Levers with two dampers
and one cable.



Ref. L/R
Lever Rubber Hood



Cable control type assembly

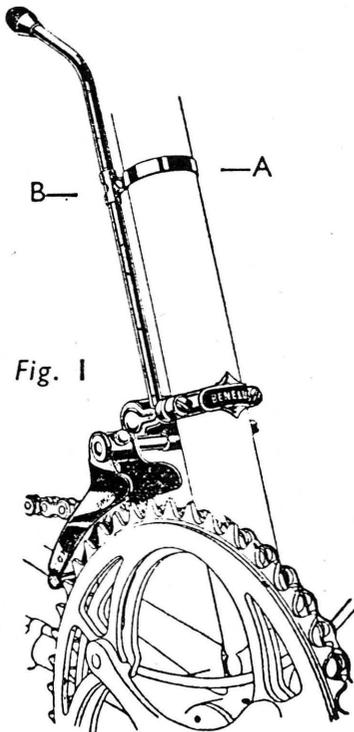
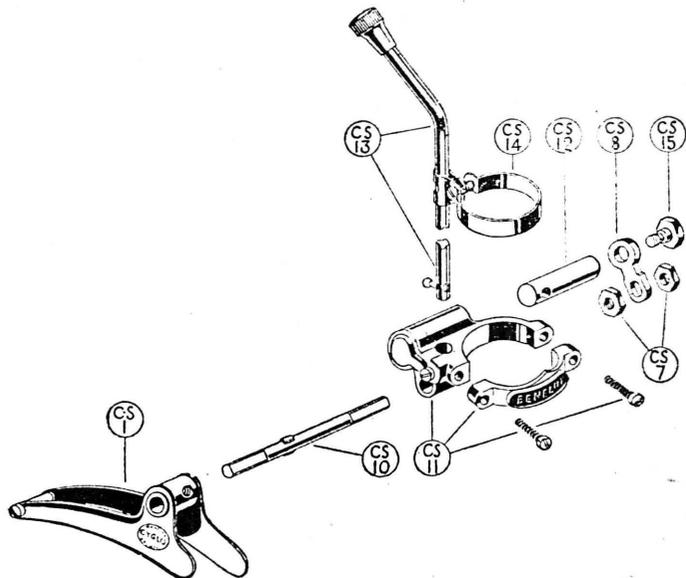


Fig. 1
Rod Control
Code word:
SHAN



Control Lever
Wing Nut Damper
Ref. No. DW



Rod control type assembly

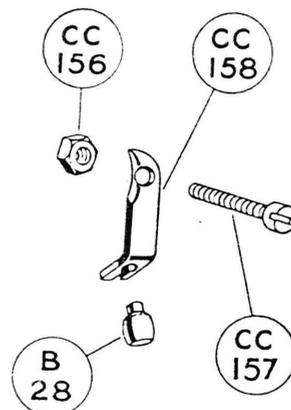
BENELUX CHAIN SHIFTER SPARES

FOR $\frac{3}{32}$ " AND $\frac{1}{8}$ " CHAIN

Cable Control. Code word: **SHIF**

Ref. No.

- CCI44** System Housing
- CCI45** Bell Crank
- CCI46** Operating Shaft
- CCI47** Spring
- CCI48** Tension Shaft
- CCI51** Lock Nut
- CCI50** Adjusting Collar
- CCI52** Shakeproof Nut
- CCI53** Draw Bolt Assembly
- CCI54** Rivet
- CCI55** System Clamp Screw
- CSI** Shifter Cage Assembly
- CSIA** Shifter Cage Lock Screw
- CSIB** Shifter Cage Pin Nut & Bush
- CS4** System Half Clip
- CCI56** 2B.A. Nut
- CCI57** Long Screw
- CCI60** Bush, Screw & Nut
for Shifter Cage



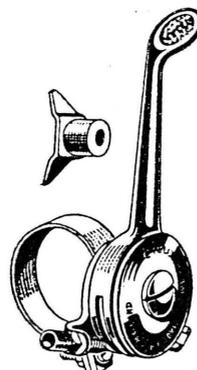
- CCI58** Cable Stop
- B28** Cable Ferrule
- CCI59** Spacing Bush

Rod Control. Code word: **SHAN**

Ref. No.

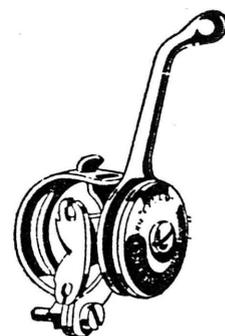
- CS11** System Housing
- CS4** System Half Clip
- CCI55** System Clamp Screw
- CS10** Operating Shaft
- CSIA** Shifter Cage Lock Screw
- CSIB** Shifter Cage Pin Nut & Bush
- CSI** Shifter Cage Assembly
- CS13** Operating Rod Assembly
- CS14** Friction Cup Assembly
- CS16** Friction Clip Screw
- CS12** Operating Sleeve
- CS15** Retaining Bolt
- CS7** Adjusting Nuts
- CS7K** Adjusting Knurled Nut
- CS8** Connecting Plate

Note: When ordering Shifter Cage, **CSI**, please state whether for $\frac{1}{8}$ " or $\frac{3}{32}$ " chain.



Ref. L19/25
Frame control, showing
braze-on fitting

Ref. 20/26
Cyclo Control Lever



"MARK 7" ROD CONTROL SHIFTER, Fig. 1. (Code word: **SHAN**.)

With the Rod Control Shifter, friction is applied by use of an adjusting screw (B) in the clip (A). This clip also serves as a support for the Rod Control and should be placed approximately $4\frac{3}{4}$ " from the Derailleur Body as illustrated.

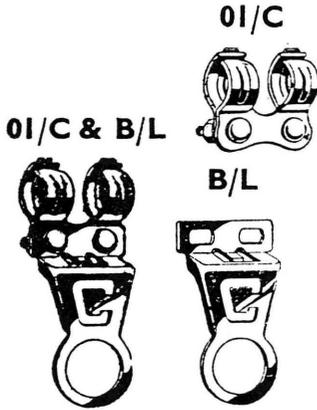
"MARK 7" CABLE-OPERATED SHIFTER, Fig. 2. (Code word: **SHIFWIN**.)

When the necessary braze-on fittings have not been included in the frame specification, Shifter is supplied complete with Cable Stop, left-hand Lever and a Double Clip to which the right-hand lever of the rear Derailleur will be fitted.

Both these derailleurs will accommodate both close and wide ratios without any modification if correctly fitted. A 20 tooth difference between the chainwheel rings is the widest range recommended, subject to the limitations imposed by the rear derailleur system.

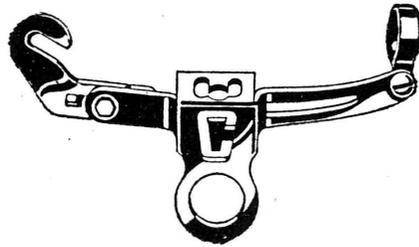
Cyclo

Detachable Clips

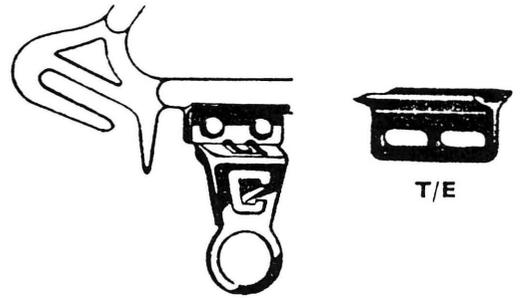


CHAIN STAY CLIPS FOR "CYCLO"

Ref. 01/C and B/L Round Detachable for $\frac{1}{2}$ " Standard $\frac{5}{8}$ " and $\frac{3}{4}$ " Round Tapered Stay, with B/L Bracket



Ref. "UNIVERSAL" Detachable "CYCLO" Bracket for Standard 3 and 4-speed "CYCLO". Will suit any type of fork end or chain stay



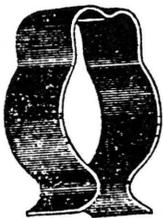
"CYCLO" DETACHABLE AND ADJUSTABLE BRAZED-ON BRACKET

The top part of this bracket (T/E) is supplied free of charge to any manufacturers or builders. The bottom of the bracket to be supplied with the gear when ordered.

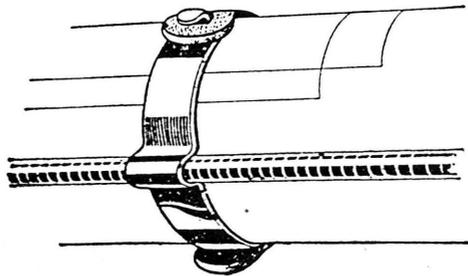
Cable transmissions can be made tidy and look neat if you use Cyclo duplex patent quick detachable clips. Made for $1\frac{1}{8}$ " and 1" tubing.

Single groove. Ref. No. 10/c. Treble groove. Ref. No. 103/c. $\frac{5}{8}$ " Spring stay clip.

Single groove. Ref. No. 10/1. Dual (Pat.) Clip Ref. No. 10/2



Ref. No. 10/1



10/c



103/c



10/2

BENELUX

Chain Wheels

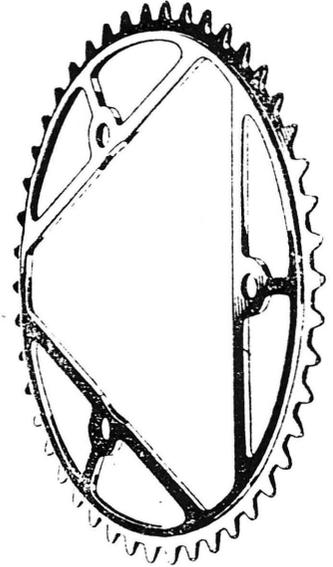
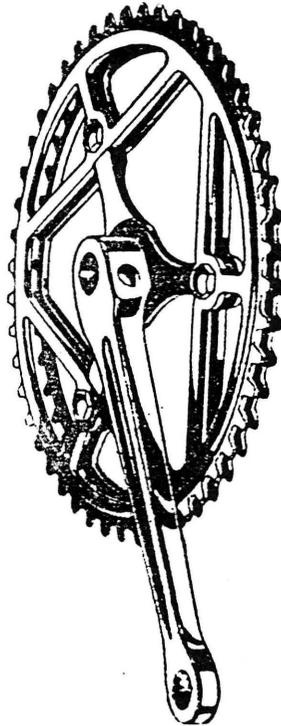
BENELUX close ratio $\frac{3}{32}$ " double chain wheel, $6\frac{3}{4}$ " 3-pin type as used in Tour of Britain.

Racing Chain Wheel Set can be coupled up from any of the following sizes : 52T 50, 49, 48, 47, 46 th complete with $6\frac{3}{4}$ " Fluted Not. G.C.C.

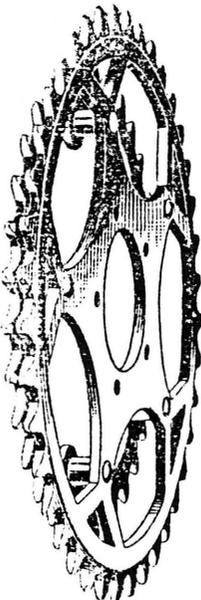
Benelux single chain wheel, complete with cranks.

Benelux chain wheel only : $\frac{1}{2}$ " \times $\frac{3}{32}$ ".

Also available in $\frac{1}{2}$ " \times $\frac{1}{8}$ ".



ROSA standard 5-pin type



Available in $\frac{1}{8}$ " and $\frac{3}{32}$ "

CHAIN WHEELS

50, 49, 48, 47, 46, 44, 42, 40, 38, 36 th.

LH crank to match, 7" and $6\frac{1}{2}$ "

CHAIN RINGS

48, 47, 46, 38 and 36, 34, 32, 30, 28, 26, 24 th.

RH crank to match, 7" and $6\frac{1}{2}$ "

Double chain wheels can be coupled to suit your requirements.

For Separate Crank and Chainwheels
See Price List.

BENELUX

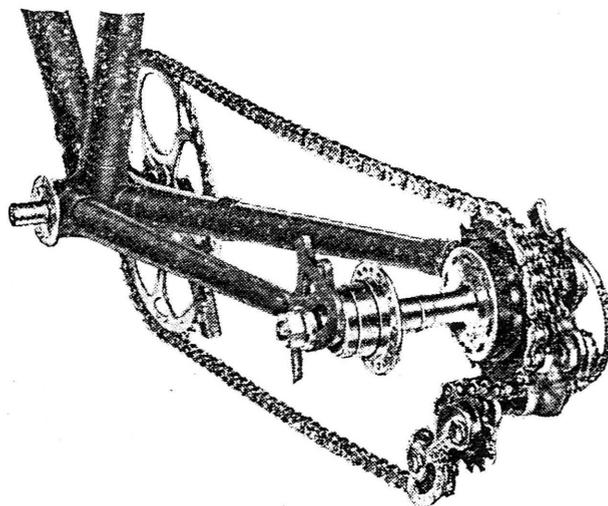
Brampton-Benelux

The winning Combination

$\frac{1}{2}'' \times \frac{3}{32}''$ cycle chain for 4- and 5-speed derailleur gears.

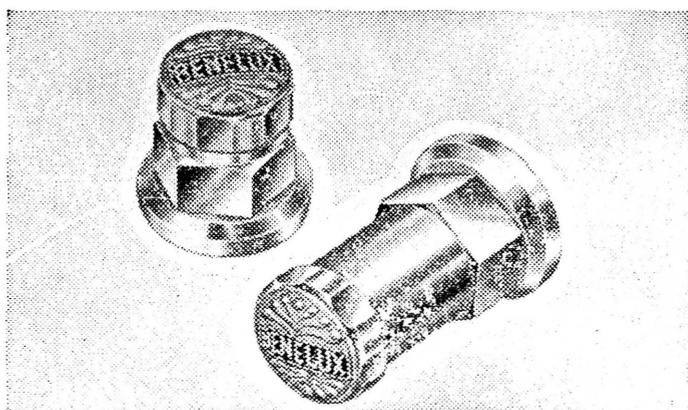
Standard length, 114 Links.

Weight, 13 oz.



BENELUX Bumper Regd. Design

Something new — Something better



Ideal gear protector against fall of cycle. Attractive and well-finished component. Solid serrated hardened revolving washer.

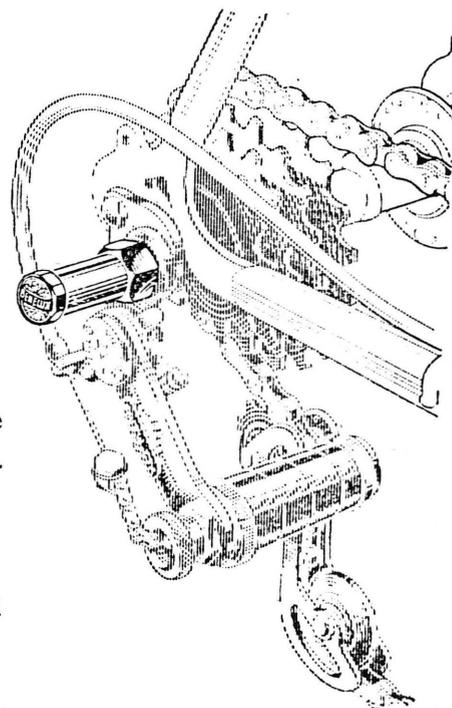
Size: $\frac{3}{8}''$ Only

Right side protector weight: $1\frac{1}{4}$ oz. ... Ref. 583/R

O/s measurements: $1\frac{1}{2}''$

Left side to match—weight: $\frac{3}{4}$ oz. ... Ref. 583/L

O/s measurements: $\frac{3}{4}''$



BENELUX

Freewheel Spares and Service

FREEWHEEL SPARES AND SERVICE

For: 2, 3, 4, 5-SPEED

- Ref. 2 Lock Ring for 2-speed
- Ref. 3 " " 3-speed Universal
- Ref. 3/C " " 3-speed standard
- Ref. 3/B " " 3 and 4-speed Boss
- Ref. 4/B " " 4 and 5-speed Benelux

Pawl Springs. Ref. 50. Leaf Copper Spring
 Pawl Springs. Ref. 42. Hair Spring

- 43CW { Packing Washers
Cyclo Standard Multiple Free-wheel type.
Large Size 0.003 to 0.010—assorted.
- 44BW Boss and Benelux Type—small size.

Ref. 353 Half-moon Pawls (interchangeable for all Cyclo Freewheels).

Ref. 47 Peg Type

BENELUX TRIPLE

- Locking Plate
- Inside Body
- Outside Body
- Pawls

BENELUX QUAD $\frac{1}{8}$ "

- Locking Plate
- Inside Body
- Outside Body
- Pawls

BENELUX QUAD $\frac{3}{32}$ "

- Locking Plate
- Inside Body
- Outside Body
- Pawls

BENELUX QUIN $\frac{3}{32}$ "

- Locking Plate
- Inside Body
- Outside Body
- Pawls

New Sprockets Extra

- Benelux 3-speed
- Benelux 4-speed, $\frac{1}{8}$ "
- Benelux 4-speed, $\frac{3}{32}$ "
- Benelux 5-speed, $\frac{3}{32}$ "

CYCLO BENELUX FREEWHEELS AND SPROCKETS

- Benelux 3-speed, $\frac{1}{8}$ " complete
- Benelux Body, $\frac{1}{8}$ " only
- Benelux 4-speed $\frac{1}{8}$ " complete
- Benelux Body $\frac{1}{8}$ " only
- Benelux Spare Sprockets, $\frac{1}{8}$ "
13 to 20 th.
21 to 28 th.
- Benelux 4-speed, $\frac{3}{32}$ " complete
- Benelux Body, $\frac{3}{32}$ " only
- Benelux 5-speed $\frac{3}{32}$ " complete
- Benelux Body, $\frac{3}{32}$ " only
- Benelux Spare Sprockets, $\frac{3}{32}$ "
13 to 20 th.
21 to 28 th.

For the Convenience of Stockists:

Benelux Freewheels can be supplied with sprockets unassembled

- Benelux Service System
- Benelux Service System
- Benelux Tourist Service System
- Benelux Tourist Service System

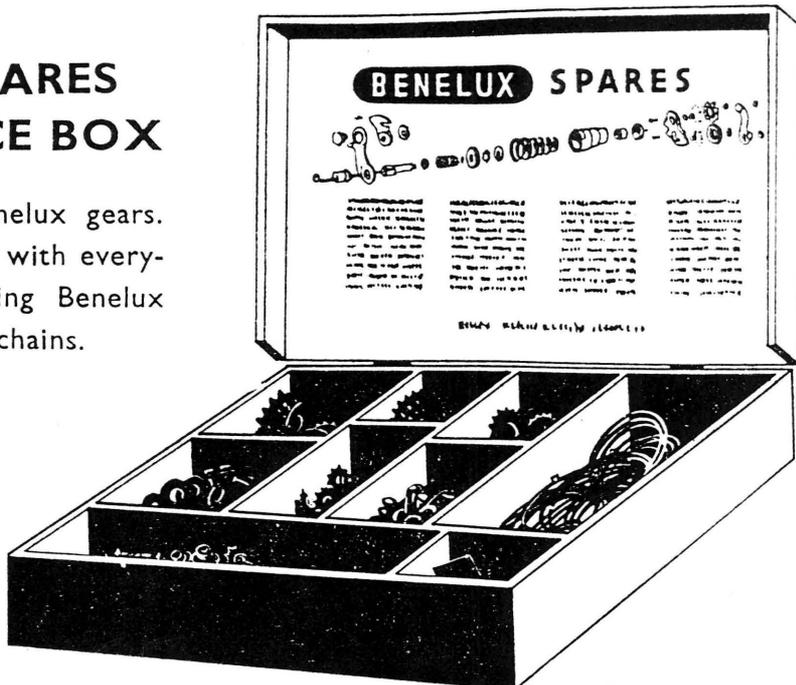
See Price List for service charges

BENELUX SPARES DISPLAY SERVICE BOX

Trade service unit for Benelux gears.
This outfit provides dealers with every-
thing necessary for servicing Benelux
gears for $\frac{1}{8}$ " and $\frac{3}{32}$ " chains.

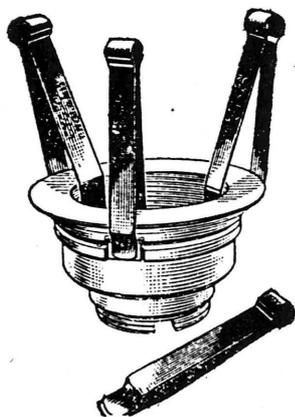
MK7 BOX. Ref. B/SB

SUPER 60 BOX
Ref. 60/SB

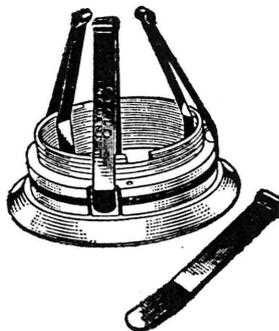


Pawl Retaining Clips

These clips are supplied in two dis-
tinct designs and are not interchangeable

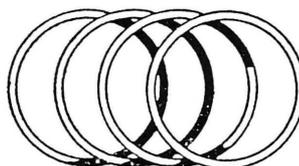


Ref. 126/B Benelux
Pawl Retaining Clips

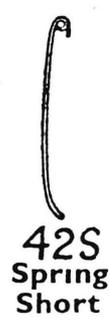


Ref. 126/C "Cyclo"
Pawl Retaining Clips

BENELUX FREEWHEEL SPARES



0.003"
0.005"
0.010"
0.015"

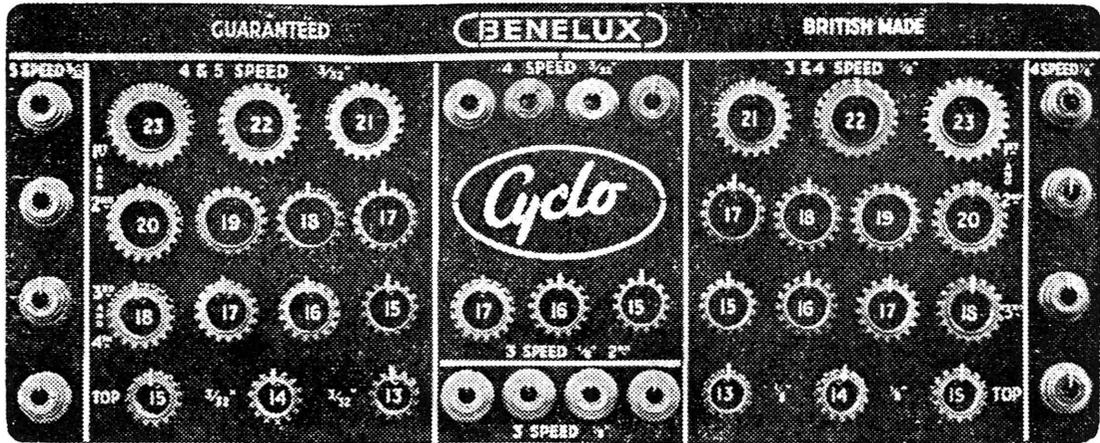


BENELUX

FREEWHEEL DISPLAY BOARD

Attractively presented for shop or window display, in two colours, Blue and Orange, complete with the following freewheel bodies and sprockets, making possible the instant assembly of any freewheel combination.

No. 1 BOARD Size: 4 ft. × 1 ft. 8 ins.



93 SPROCKETS

4 and 5-speed: $\frac{3}{2}$ "

1st and 2nd: 18, 19, 20, 21, 22, 23 ... 3 of each.
3rd and 4th: 16, 17, 18, 19 ... 3 of each.
Tops: ... 13, 14, 15 ... 3 of each.

3 and 4-speed: $\frac{1}{8}$ "

1st and 2nd: 17, 18, 19, 20, 21, 22, 23 3 of each.
3rd ... 15, 16, 17, 18 ... 3 of each.
Tops: ... 13, 14, 15 ... 3 of each.

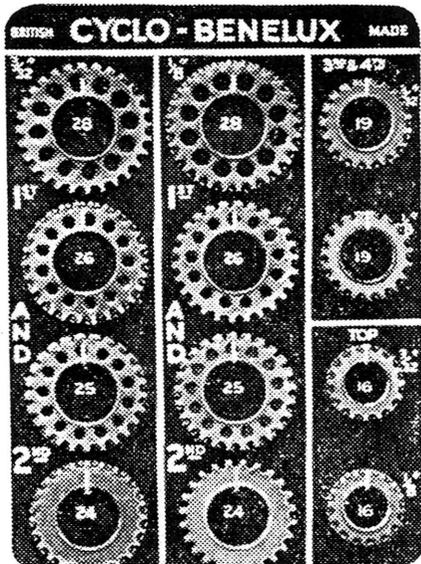
3-speed: $\frac{1}{8}$ "

2nd ... 15, 16, 17, 18 ... 3 of each.

16 BODIES

5 Speed $\frac{3}{2}$ " 4 of each

4 " $\frac{3}{2}$ " 4 "
4 " $\frac{1}{8}$ " 4 "
3 " $\frac{1}{8}$ " 4 "



No. 2 BOARD Size: 1 ft. 8 ins. × 1 ft. 2 ins.

36 SPROCKETS

1st and 2nd : $\frac{3}{2}$ " 24, 25, 26, 28... 3 of each.
1st and 2nd : $\frac{1}{8}$ " 24, 25, 26, 28 ... 3 "
3rd and 4th : $\frac{3}{2}$ " 20 th. ... 3 "
3rd and 4th : $\frac{1}{8}$ " 19 th. ... 3 "
Tops : $\frac{3}{2}$ " ... 19 th. ... 3 "
Tops : $\frac{1}{8}$ " ... 16 th. ... 3 "

Complete board: 36 sprockets.

No. 3/32 BOARD (Not illustrated)

Size: 27" × 19"

Finished Orange and White

Complete with 57 assorted $\frac{3}{2}$ " Sprockets and 8 Bodies for building 4 and 5 speed Freewheels and Single Speed Freewheels $\frac{3}{2}$ ".

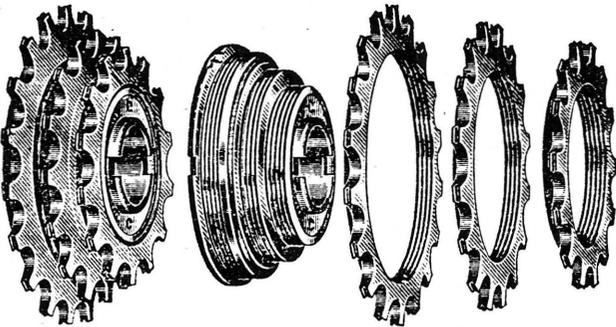
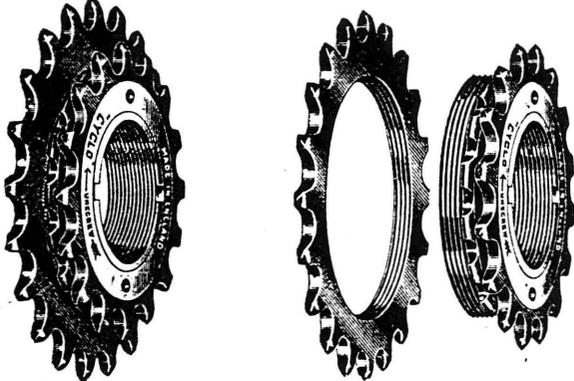
BENELUX

Freewheels

WHEN ORDERING SPROCKETS, PLEASE SPECIFY WHETHER $\frac{1}{8}$ " OR $\frac{3}{32}$ " SIZE IS REQUIRED: ALSO IF TOP, MIDDLE OR LOW

2-speed Freewheel

Code word: **BLUSH/2**

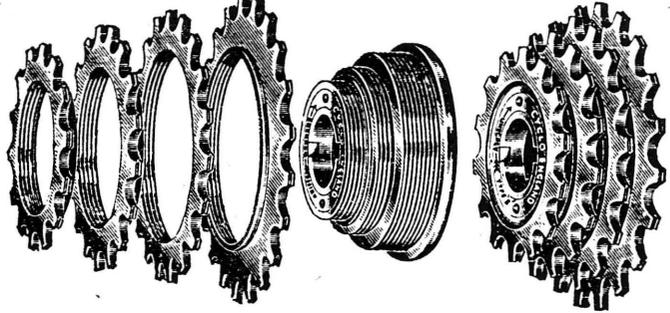


Code word: **BEF**

Benelux 3-speed Freewheel $\frac{1}{8}$ "

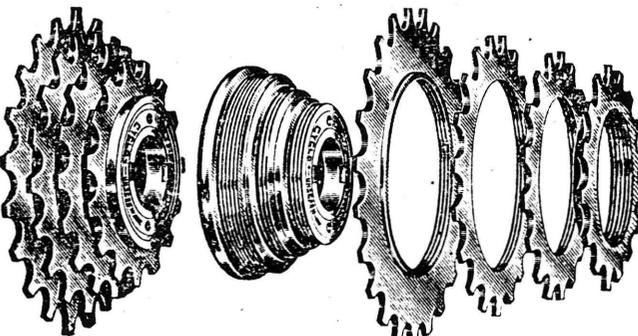
Code word: **BEFA**

Benelux 4-speed Freewheel $\frac{1}{8}$ "



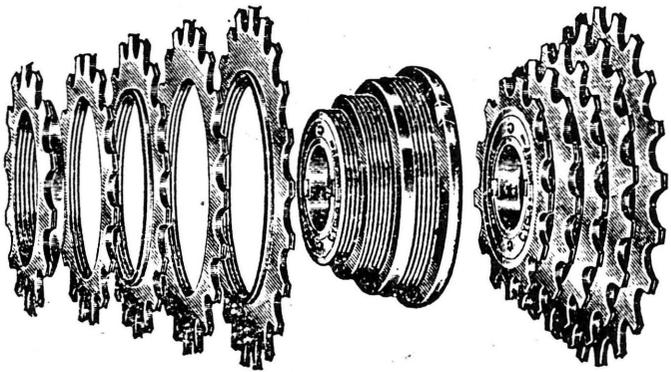
Code word: **BEFE**

Benelux 4-speed Freewheel $\frac{3}{32}$ "



Code word: **BEFO**

Benelux 5-speed Freewheel $\frac{3}{32}$ "



CYCLO FREEWHEELS. The largest multiple Freewheel range in the world

BENELUX

Square Form Teeth Freewheels & Sprockets

TO FACILITATE COMPLETION OF ORDERS, SPECIFY ALTERNATE CHOICE OF SPROCKET TEETH

SPECIAL FEATURES:—

Steel centre and lockring: machined to fine limits.

Freewheel body—with two full rows of balls.

Code word: BLUSH/2—2-speed

NOTE—Top speed is part of ratchet body. Second gear is interchangeable with 2-speed first gear sprocket. Flush back 3-speed $\frac{1}{8}$ ".

FIRST—20 th. TOP—16 th.

Code word: BEF

NOTE—First gear sprocket is interchangeable with 4-speed $\frac{1}{8}$ " first and second gear sprockets. Top gear is interchangeable with 4-speed $\frac{1}{8}$ " top gear sprocket.

Top: 13, 14, 15, 16.

2nd: 15, 16, 17, 18.

1st: 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28.

Code word: BEFA

NOTE—First and second gear sprockets are interchangeable with 3-speed $\frac{1}{8}$ " gear sprockets. Top gear sprocket is interchangeable with 3-speed $\frac{1}{8}$ " top gear sprocket.

Top: 13, 14, 15, 16.

3rd and 4th: 15, 16, 17, 18, 19.

1st and 2nd: 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28.

Code word: BEFE

NOTE—The following sprockets are interchangeable with 5-speed $\frac{3}{32}$ ". First and second with first and second. Third with third and fourth. Top with top.

Top: 13, 14, 15, 16.

3rd and 4th: 16, 17, 18, 19, 20.

1st and 2nd: 18, 19, 20, 21, 22, 23, 24, 25, 26, 28.

Code word: BEFO

NOTE—The following sprockets are interchangeable with 4-speed $\frac{3}{32}$ ". First and second with first and second, third and fourth with third, top with top. Freewheel bodies for $3-\frac{1}{8}$ " : $4-\frac{1}{8}$ " : $4-\frac{3}{32}$ " : and $5-\frac{3}{32}$ " are NOT interchangeable.

Top: 13, 14, 15, 16.

3rd and 4th: 16, 17, 18, 19, 20.

1st and 2nd: 18, 19, 20, 21, 22, 23, 24, 25, 26, 28.

BENELUX

Three-Speed Hub Conversion Gear

HIGHLY RECOMMENDED FOR TOURING

FOR USE WITH STURMEY ARCHER HUBS

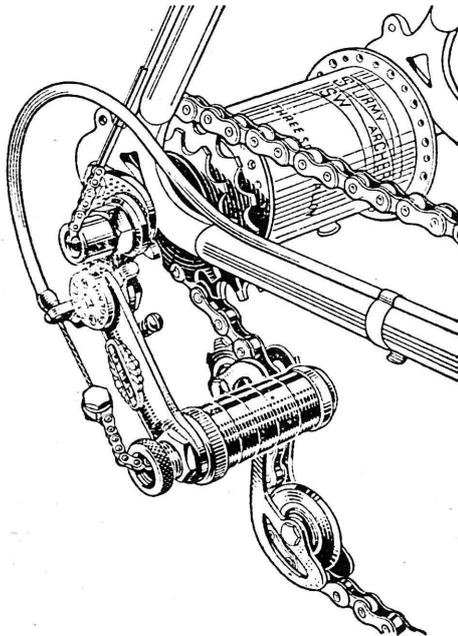
Ref.: AC. AW. AM. SW. AB. AG. FW. FG. FM. FC. 3 and 4 speeds.

SPECIFY WHICH TYPE WHEN
ORDERING

N.B. Before fitting remove S/A Dust Cap and two X49 Spacing washers as these are provided for by the adaptor.

Ref. BEN/2/SA

Benelux conversion gear, (less sprockets)
Top Tube Control



N.B. To fit 3 Sprockets a Modification is necessary to the S/A Hub spindle.

Fit one $\frac{1}{8}$ " washer to both sides of the Hub Spindle (inside frame). The Low Sprocket on this Gear is a special recessed type, suitable for this conversion only. All other sprockets are standard Benelux type.

CONVERSION TO 6-8 SPEEDS

Ref. BEN/3/SA

For S/A 3-speed Hubs.
AC. AW. AM. AG. AB. (6 speeds)

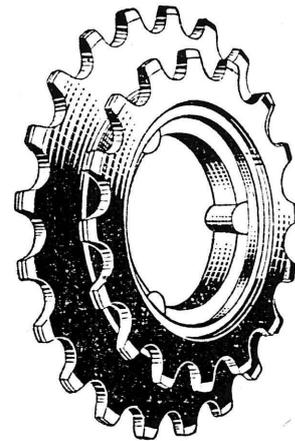
For S/A 4-speed Hubs.
FW. FM. FG. FC. (8 speeds)

3 spline block with 2 sprockets

Sprocket Sizes

Top 15 to 19T

Low 17 to 26T



CONVERSION TO 9-12 SPEEDS

REF. BEN/9/SA

For S/A 3-speed Hubs.
AC. AW. AM. AG. AB. (9 speeds)

For S/A 4-speed Hubs.
FW. FM. FG. F.C. (12 speeds)

3 spline block with 3 sprockets

Sprocket Sizes

Top 15 to 16T

Middle 17 to 20T

Low 18 to 24T



Cyclo

Steel Sprockets

General Accessories

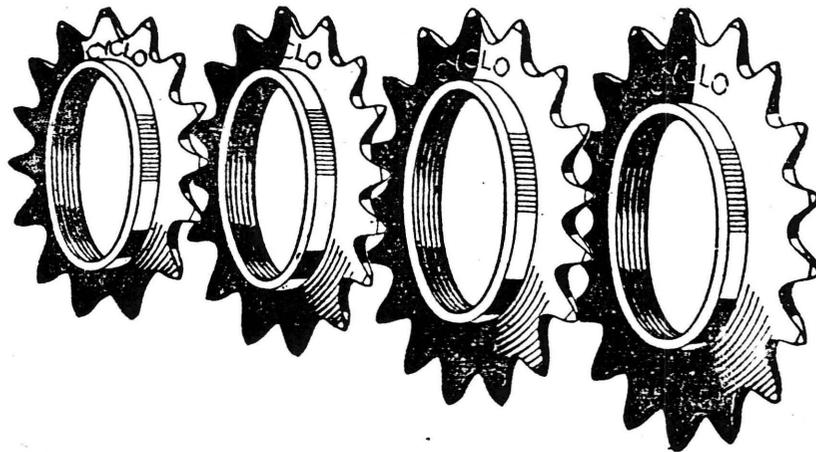
STEEL HUB SPROCKETS

For $\frac{1}{2}$ " \times $\frac{1}{8}$ " or $\frac{3}{32}$ " chain. Also suitable for hub unit

IMPORTANT—All Cyclo sprockets with pointed teeth are machined to a Cyclo form tooth relieved to ensure the best results on the chain and silent gear change. All sprockets are interchangeable when used on 3-speed hub unit. A special flush sprocket can be supplied on a 4-speed unit hub combination.

Stock Sizes: $\frac{1}{8}$ " Range	Ref. SPRO	12, 13, 14, 15, 16, 17, 18, 19, 20, 21 th.
	Ref. SPROA	22, 23, 24, 25 th.
	Ref. SPROB	26, 28 th.
$\frac{3}{32}$ " Range	Ref. SPREE	16, 17, 18, 19, 20, 21, 22 th.

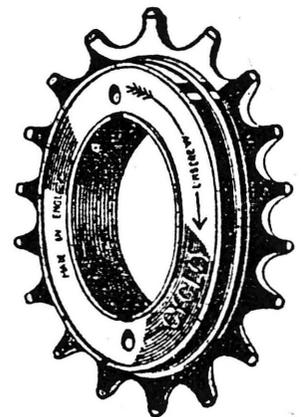
These sprockets are also suitable for standard cycle hubs.



CYCLO SINGLE SPEED FREEWHEELS

With two full rows of Ball Bearings **CYCLO (Made in England)**
Code word "SOLO" 18 th. to 26 th. and 28 th.

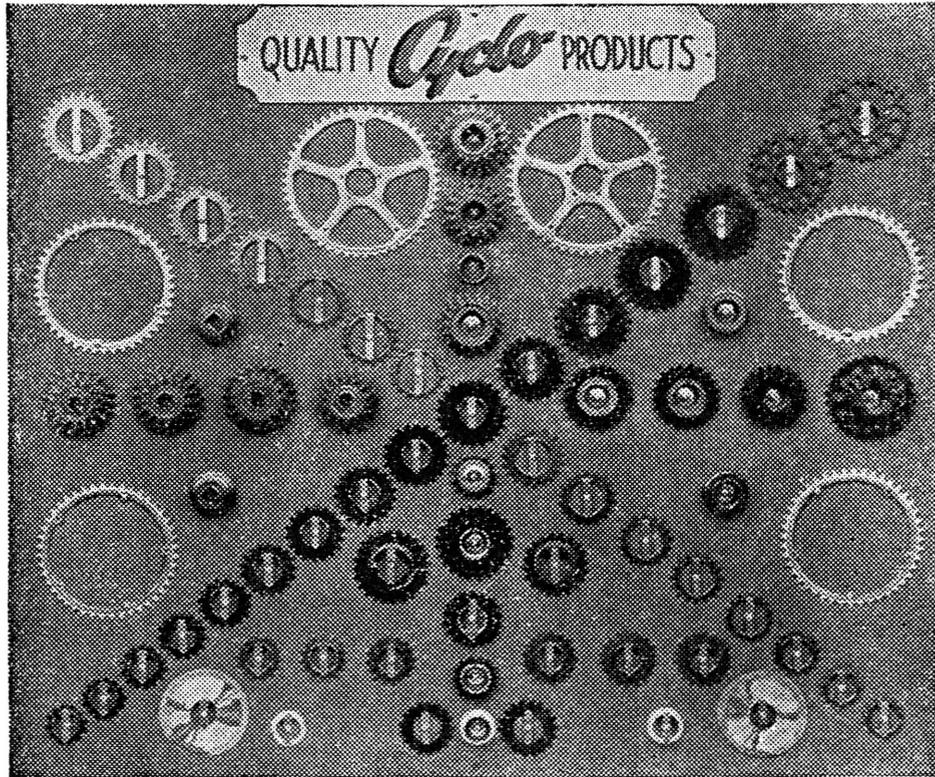
$\frac{1}{2}$ " \times $\frac{1}{8}$ " or $\frac{3}{32}$ "



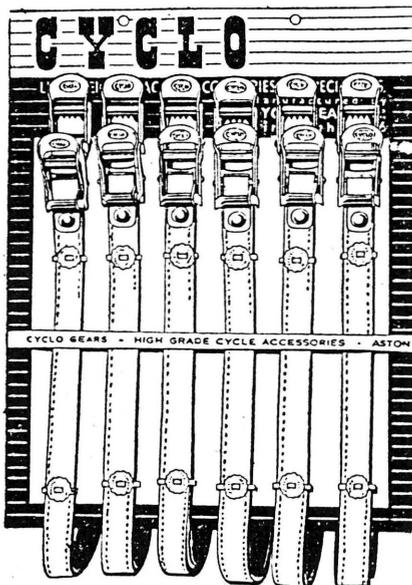
Cyclo

Standard Cycle Parts

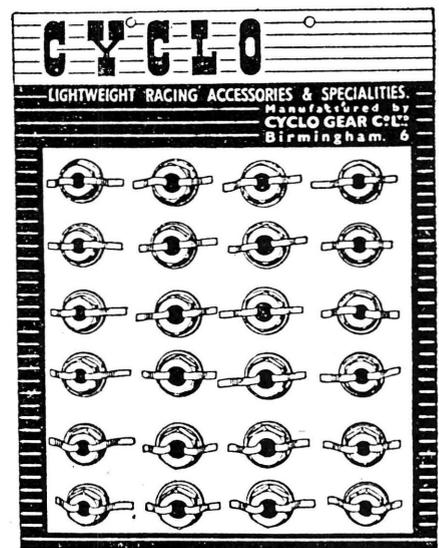
High-grade Quality Products



For full details of all carded accessories available, see page 23.



Carded toe straps



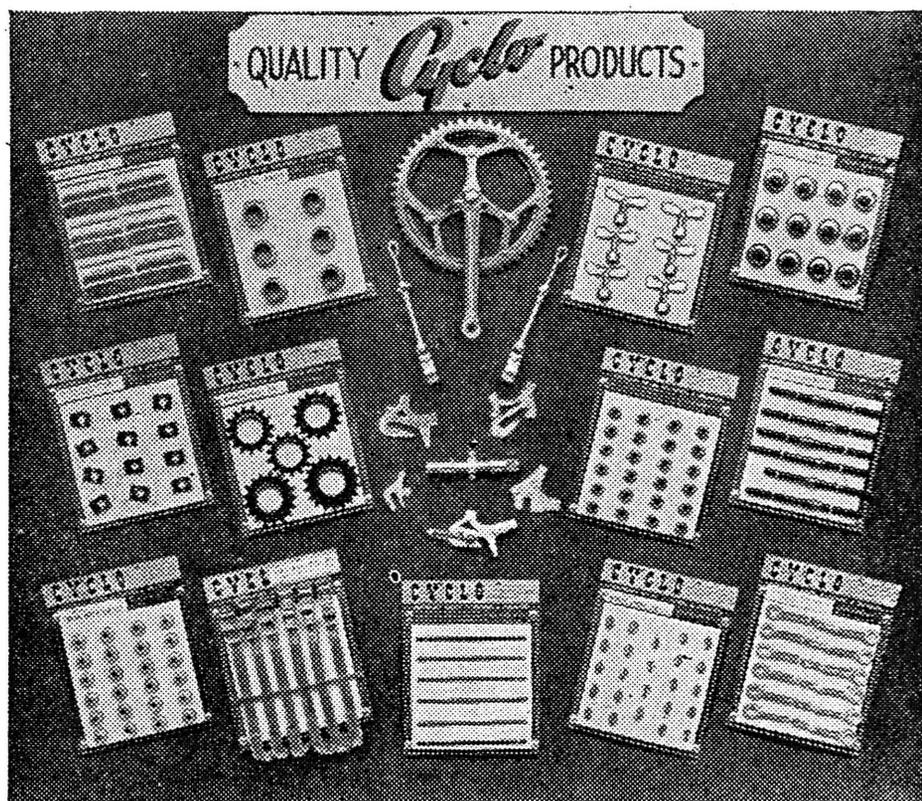
Carded track nuts

Cyclo Accessories of Outstanding Merit

CARDED GOODS

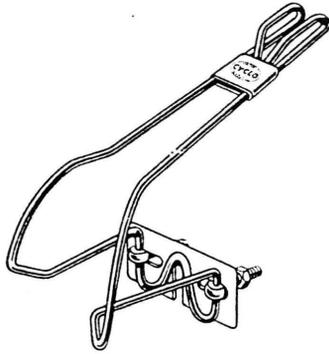
An attractive and convenient method of stocking and displaying small Cyclo accessories

Quantity	Item	Ref. No.	Quantity	Item	Ref. No.
6	Benelux Spanners	38	6 prs	Toe Straps Natural	76
6	Box Spanners	151	6 prs	Toe Straps Colour	76C
6 prs	Chain Adjusters T.T.	756	6	Unit Spindles (old)	63S
12	Cyclo Freewheel Removers	FR.3	6	Unit Spindles (new)	64S
12	Benelux Lever Dampers	B.C.	12	Benelux Freewheel Remover	FR.I
12	Nipple Keys Benelux	161	6 prs	Bumper Nuts	583 L/R
6	Wing Nut Pedal Spanner	820	6 prs	Nylon Rollers & Sprockets	OE 64C/66C
72	Pawl Springs	42L/42S	24	Lever Rubbers	L/R
72	Pawls	47	12	Wing Nut Shape Nipple Keys	166
18 Pkts	Ball Bearings $\frac{1}{8}$ ", $\frac{5}{32}$ ", $\frac{3}{16}$ ", $\frac{1}{4}$ "	48B	12 prs	Quick Release Cotters	401
25	Wing Nut Damper	D.W	12	Nipple Key Universal	135
6	Chain Rivet Extractors	158R	9 prs	Brake Block	582B
6	Saddle Supports	400	6	Screw Driver Spanner	601
6 prs	Shoe Plates	752	6	Spoke Nipple Screw Driver	602
6 sets	Track Nuts (12F. 12R.) (cadmium or chrome)	61/F/R	6 prs	Mark 7 Spanner	38B
3 sets	Wing Nuts	C/B3	6 sets	Mudguard Wing Nuts	757
6 sets	Track Nuts (chrome)	61/62V	12 prs	Wheel Stops	758
			6	$\frac{3}{32}$ " Racing Sprockets (Assorted as required)	FS/32
				16T/21T	



Available to all Cyclo Stockists:—
Sprockets and multiple free wheel display board.
Demonstration gear model show card display.

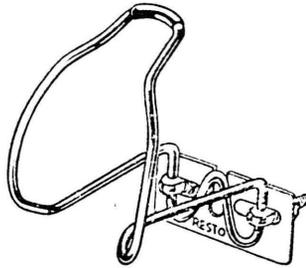
BENELUX ACCESSORIES



Regd. Design
'OPPY' TOE CLIPS

Ref. No. 751

The perfect support, shaped to fit. Made from one piece of piano wire, light strong and indestructible
Weight $2\frac{1}{2}$ ozs. per pair

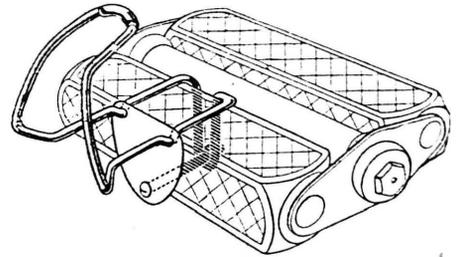


Regd. Design
"RESTO" TOE CLIP

THE SAFEST OF ALL

Ref. 751/A

Highly recommended for town riding. Chrome finish



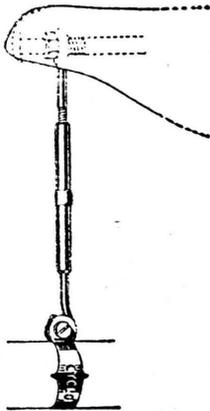
Regd. Design
"RESTO"

Highly recommended for safety town riding.

Fit "Resto" and retain your anklng action.

Ref. 751/B

For Lady's or Gent's Rubber Pedals
Chrome finish



SID PATTERSON SADDLE SUPPORT

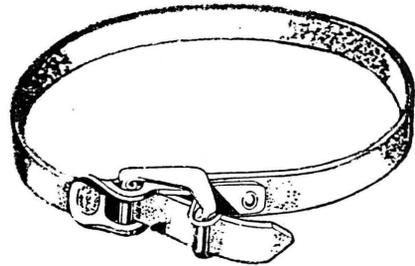
The racing man's best friend. Will stop that saddle from moving.

Ref. 400

Finish: Chrome.

Weight: $2\frac{1}{2}$ ozs.

0.070 gr. 6 per card.

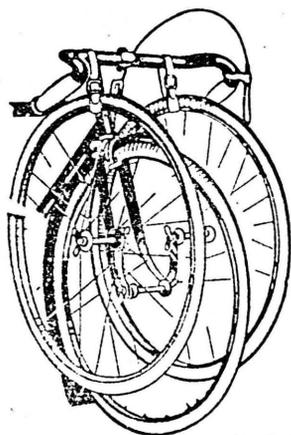


"OPPY" SELECTED CHROME LEATHER STRAPS

Ref. No. 76

Quick release. Made to meet the demand for a good quality strap. Also available in red and blue

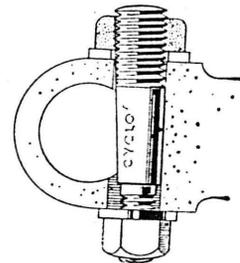
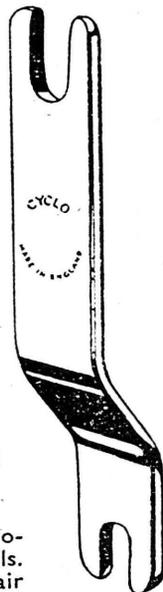
Ref. No. 76/C



Ref. 361

ROSA SPRINT WHEEL CARRIERS

Designed to accommodate 26" or 27" wheels.
Weight 3 ozs. per pair



CYCLO COTTER PIN

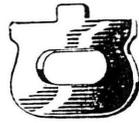
Ref. 401

Made from high tensile steel and chromium plated, fits all standard cranks and axles.

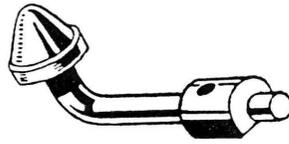
BENELUX Up-to-date Braze-on Frame Fittings



Ref. No. 25



Ref. No. 23/P



Dawes' pat. pump peg, incorporating cable stop top tube fitting only.



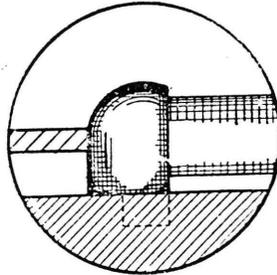
Ref. No. 24/P



Ref. No. 25/C



Ref. No. T/E Cyclo Bracket



Brake Eyes S/CE/2



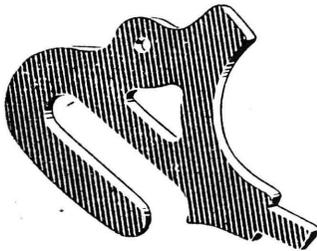
Ref. T/G Braze on wire tunnel guide.



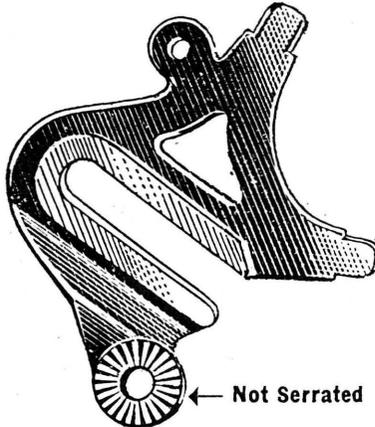
Ref. C/S Braze-on Cable Stop



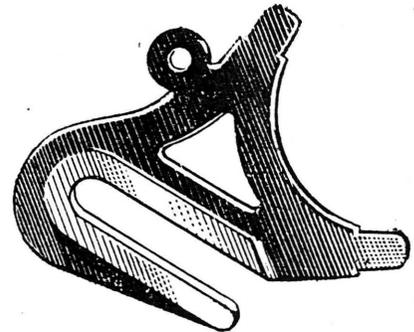
Tapered seat stay eyes. Ref. No. S/1— $\frac{5}{8}$ " S/2— $\frac{1}{2}$ " of a length 3"



Ref. No. CI53

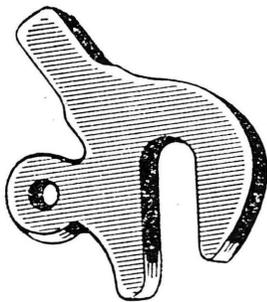


Ref. No. 902

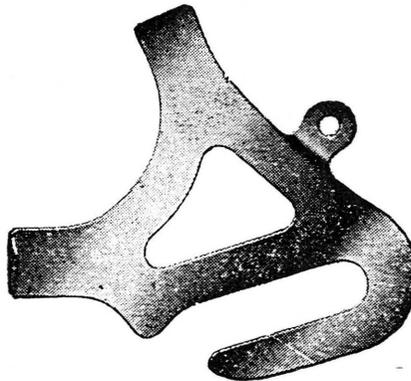


Ref. No. 902/S Ref. No. 903/F in Forged Steel

Incorporating left side fork end, also Gear Bracket, supplied in pairs



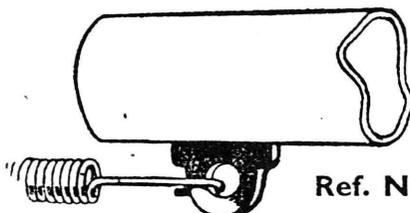
Ref. No. 154 Ref. No. 155/F in Forged Steel



Ref. No. S/3



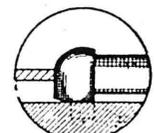
Ref. No. 372



Ref. S/FE. Stallard Front Fork Ends. (Not Illustrated).



Ref. B19/25 Lever Boss



Cable Eyes S/CEI

Cyclo High-grade Quality Products

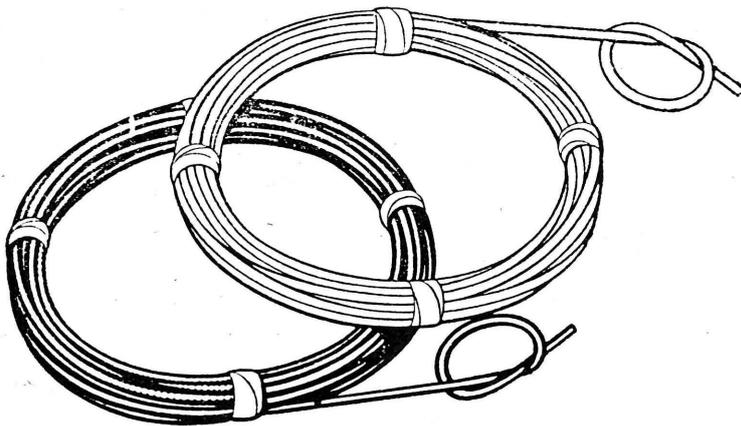
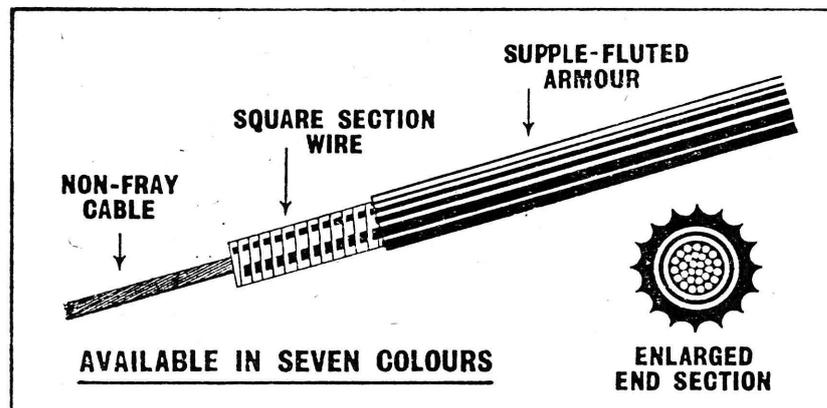
All our outer casing is manufactured of high-tensile rustproof non-compressing steel wire, covered with coloured plastic material of the highest quality and finish. Stock sizes: O—Cyclo-Benelux. Size 1.

Ref. No. C/1 Waterproof covered outer casing, smooth finish.

Ref. No. S/F.1 Supple-fluted ribbed finish. Standard stock sizes: No. 2 cycle brake course. In 50 ft. coils. *Colours:* silver, white, red, blue, yellow, black, green, ice blue powder blue, etc. Other colours on demand.

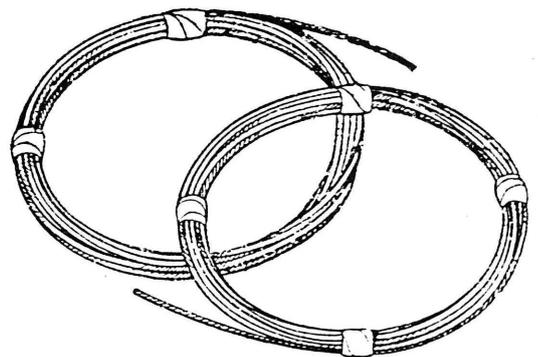
Ref. No. C/2. Best quality non-fray 12 strand cycle wire. Can be used for all types of controls such as carburetters, 3-speed hubs, etc. Available in 100 ft. coil. Size: 0.

Ref. No. C/3. Best quality non-fray cycle brake wire, size 1 - 19 strands. Available in 100 ft. coil. Size: 1.



Ref. No. C/1

Ref. No. S/F.1



Ref. No. C2 or C3

STANDARD HUB COMPONENTS



Ref. code SCP/2



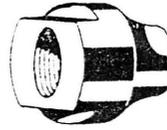
Ref. code SCP/1



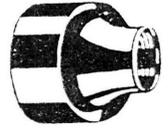
Ref. code SCP/52A



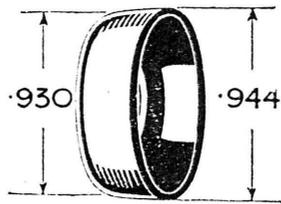
Ref. code SCP/52



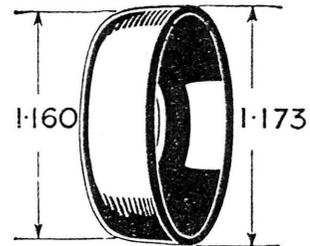
Ref. code SCP/21A



Ref. code SCP/21



Ref. code SCP/C1



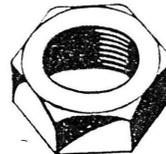
Ref. code SCP/C2



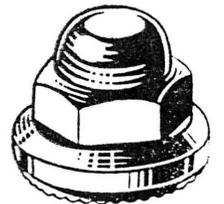
Ref. No. 61/R



Ref. code SCP/72



Ref. code SCP/41



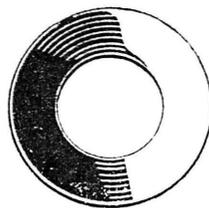
Ref. No. 62/V



Ref. No. 61/F



Ref. No. 61/V



Ref. code SCP/W1



ACTUAL SIZE



STANDARD HUB COMPONENTS

HUB SPINDLES. Standard Pattern. N.P. 26 thread.

Front **SCP/2.** $\frac{5}{16}'' \times 5\frac{1}{2}''$
,, **SCP/2R.** Raleigh Pattern
Rear **SCP/1.** $\frac{3}{8}'' \times 6\frac{1}{4}''$
,, **SCP/1R.** Raleigh Pattern

HUB CONES

Front Fixed	SCP/52	Adjustable	SCP/52A
,, R pattern	SCP/52R	Adjustable	SCP/52RA
Rear Fixed	SCP/2I	Adjustable	SCP/2IA
,, R pattern	SCP/2IR	Adjustable	SCP/2IRA

FRONT HUB CUP Ref. Code **SCP/C1**

Made from precision steel pressing, machined and hardened.

REAR HUB CUP Ref. Code **SCP/C2**

Made from precision steel pressing, machined and hardened. Taper fit as per sizes shown.
Finish: Self colour.

Front	SPINDLE NUTS	SCP/72	$\frac{5}{16}'' \times 26T$	N.P.
Rear	,,	SCP/4I	$\frac{3}{8}'' \times 26T$	N.P.

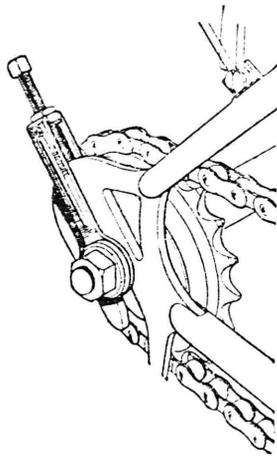
ROSA TRACK NUTS FOR HUB SPINDLES

Rear—Ref. No. **61/R**: Front: Ref. No. **61/F**. Vendome type: Front **No. 61/V** Carded
Cadmium finish. Chrome finish Vendome type: Rear **No. 62/V** Carded

WASHERS

SCP/WI Nickel Plated
Sizes $\frac{3}{16}''$, $\frac{1}{4}''$, $\frac{5}{16}''$ and $\frac{3}{8}''$

SPECIALISED ACCESSORIES



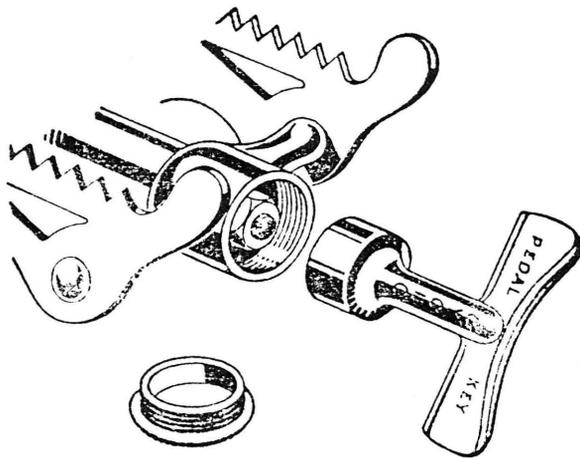
CYCLO

PRECISION "TRUE-TRACK" CHAIN ADJUSTERS

Ref. No. 756. A simple device that allows the wheel to be replaced in its exact original position. Swings clear as soon as the spindle nuts are slackened.

Prevents the rear wheel pulling over under pressure. Specially designed for drop-out fork ends. Weight, 1 oz. Cadmium finish, attractively boxed in sets of 36 pairs. 6 pairs per card.

Track model "Sid Patterson" world champion draw back fork end type.



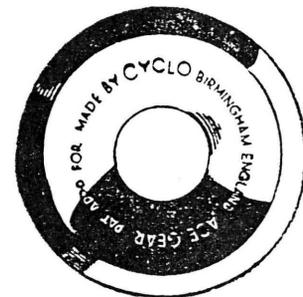
WING NUT PEDAL SPANNER

Ref. No. 820. A handy tool to fit pedal spindle nut usually inaccessible with ordinary spanner. The wing part will also fit pedal cap slot. Although designed for Cyclo pedals, will also fit most standard pedals. 6 per card



"OPPY" STEEL PLATES

Ref. No. 752 Save wear and tear to the shoes when riding with rat-trap pedals 6 pairs per card

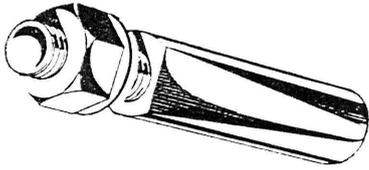


"ACE" GEAR PROTECTOR

Ref. No. A/I. Made of plastic to eliminate noise and so designed to prevent the gear from fouling the wheel due to accident or incorrect adjustment.

Finish ivory.

STANDARD CYCLE PARTS



STANDARD COTTER PIN
 Ref. code SCP/74
 $\frac{3}{8}$ " Cadmium finish



C/U No. 2 WING NUT
 Chromium Plated $\frac{5}{16}$ " and $\frac{3}{8}$ ".

CONVERSION SPINDLES

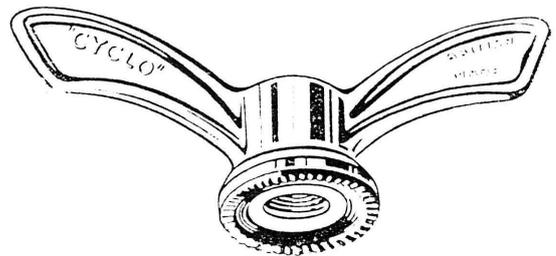


Ref. No. 60
 Complete Spindle as illustration.
 Standard size: $\frac{3}{8}$ " \times 26 thread. Length 7"



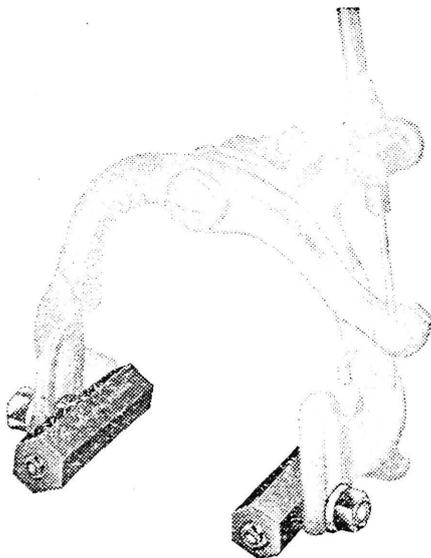
Ref. No. 61
 Spindle with Long Cones only

Ref. No. 62R
 Spindle with Packing Pieces.
 $\frac{5}{16}$ " \times 26 T.



C/BENELUX No. 3 WING NUT
 Brass Chromium Plated $\frac{5}{16}$ " and $\frac{3}{8}$ "

*Cyclo
 Benelux*



"ALL-ROUNDER" BRAKE BLOCK

(Pat. Appd.)

Reg. Design 887172/889590

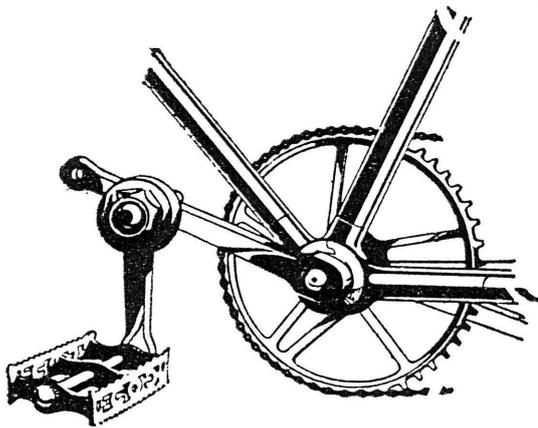
The only revolving brake block—shoeless—an entirely new construction. Will give 100% "all round" efficiency by turning block face when braking surface worn. The only type to provide all rubber block. Longer wear and minimum replacement cost.

Ref. 582 Super rubber quality

Spare Blocks

Ref. 582/B Rubber

Cyclo 'Rosa' Swinging Crank

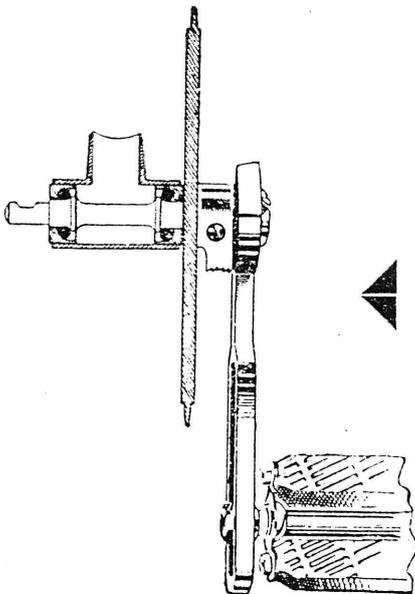
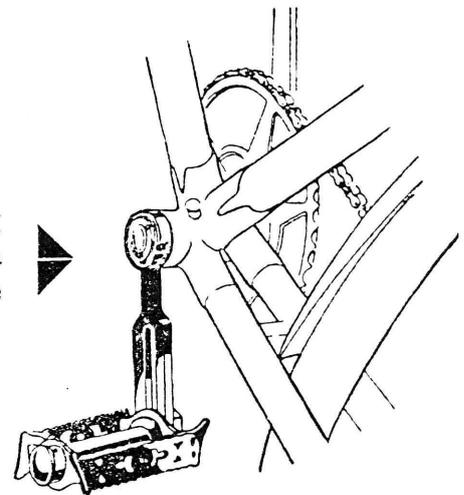


Ref. No. 66/SL (Left Hand)
Ref. No. 66/SR (Right Hand)
Less pedal.

For left or right side. Only suitable for rider with slight or partial knee action.

Ref. No. 66/A/L

This type is for left hand fitting direct with existing bracket axle, and is suitable for either a short leg, a stiff limb, or an artificial leg without movement above the knee.



Ref. No. 66/A/R

This type is for fitting on chain wheel side, and requires to be used in conjunction with our special axle Ref. R. This type enables the drive to be carried by the left leg, whilst the right leg remains stationary.

IMPORTANT—When ordering, please give the following information:—

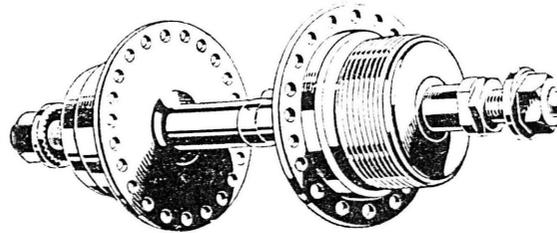
- (1) State Ref. No. of type required.
- (2) State if required for *right* or *left* leg.
- (3) Is the limb entirely stiff, or has it partial movement?



The special axle is not required for left hand.
Ref. No. R. Special axle for R.H. Axle made to special size.

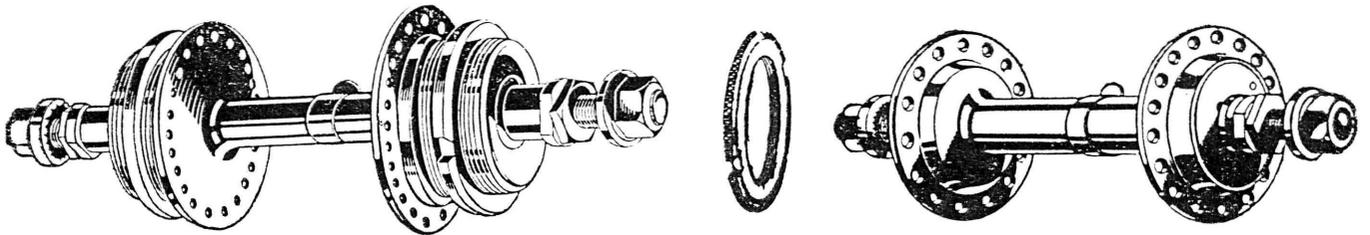
N.B.—When ordering, please send existing bracket axle or sketch with measurements to enable us to send the correct type.

Cyclo Hubs



REAR BENELUX SPORT HUB

Ref No. 300. For 3-speed $\frac{1}{8}$ " and 4-speed $\frac{3}{32}$ " Drilled 40 holes. Boss type (as illustrated) single sided. Finish chrome, complete with Rosa track nuts.



REAR BENELUX SPORT HUB

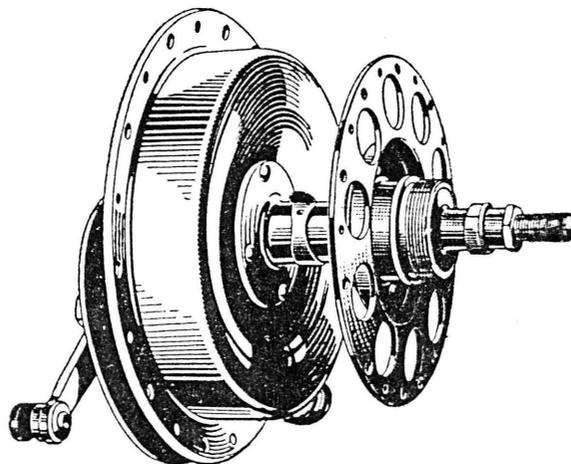
Ref. No. 310. For 4-speed $\frac{1}{8}$ " and 5-speed $\frac{3}{32}$ " Double sided type threaded for fixed sprocket and lock ring. Drilling 40 holes. Finish chrome, complete with Rosa track nuts. The free wheel threaded portion will accommodate both CYCLO and BOSS type multiple free wheels, and yet the width over locking nuts is only $4\frac{1}{2}$ "

FRONT SPORT HUB

Ref. No. 51

Finish highly polished, complete with Rosa track nuts. Width over lock-nuts, $3\frac{1}{16}$ " drilling 32 holes.

Ref. No. 504. Dural hub lock ring



REAR CYCLO EXPANDING TANDEM BRAKE HUB

Complete with transmission-cum-rod, but less lever. These rear hubs are fitted with powerful alloy shoes, Ferodo-lined, giving exceptional braking power—specially screwed for Cyclo 3 or 4-speed freewheels—bearings mounted on grease retaining cups requiring no oiling. Smooth and powerful—ideal for tandem or motor-assisted cycle. Brake flange O/S diameter: $6\frac{1}{2}$ "; gear side O/S diameter: $4\frac{1}{2}$ "; width over cones: 5". Made for $1\frac{3}{4}$ C/line. Drilled 40 holes.