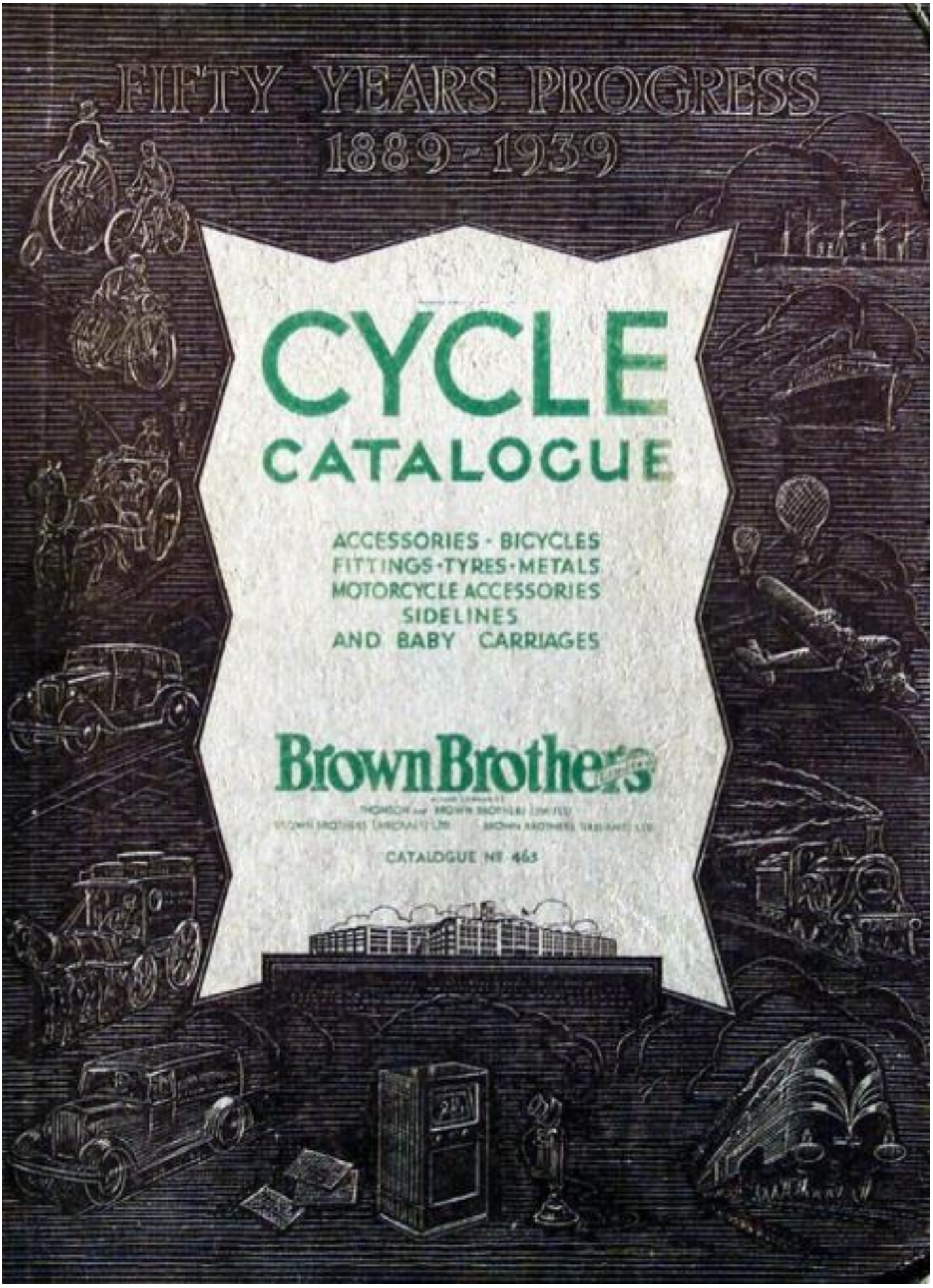

FIFTY YEARS PROGRESS
1889 - 1939
CYCLE
CATALOGUE
ACCESSORIES · BICYCLES
FITTINGS · TYRES · METALS
MOTORCYCLE ACCESSORIES
SIDELINES
AND BABY CARRIAGES
Brown Brothers
CATALOGUE NO 463

CATALOGUE NO. 463

PLEASE ADDRESS ALL POSTAL COMMUNICATIONS FOR HEAD OFFICE TO : BROWN BROTHERS LTD., G.P.O. BOX 534, GREAT EASTERN STREET, LONDON, E.C.2
CODES : PREMIER, A B C (4th & 5th EDITIONS), LIEBER'S, WESTERN UNION, MARCONI'S INTERNATIONAL, BENTLEY'S, and MOTOR TRADE (J.M.P.L.T.)

Contractors to His Majesty's Government

1939 Illustrated Catalogue of

CYCLE & MOTOR CYCLE ACCESSORIES & FITTINGS

BICYCLES · TYRES · SIDELINES

BABY CARRIAGES

The goods illustrated in this Catalogue are obtainable from all Cycle Dealers. A separate Catalogue is issued for Motor Accessories and Tools.



Brown Brothers Limited

ALLIED COMPANIES
THOMSON and BROWN BROTHERS LIMITED
BROWN BROTHERS (AIRCRAFT) LTD. BROWN BROTHERS (IRELAND) LTD.
Head Offices and Warehouses (Wholesale and Export only)
Browns Buildings, GREAT EASTERN STREET, LONDON, E.C.2
126 GEORGE STREET, EDINBURGH, 2, AND BRANCHES

CORRESPONDENCE IN ALL LANGUAGES

HOURS OF BUSINESS : 8.40 a.m. till 6 p.m. (Saturdays, 8.40 a.m. till 1 p.m.)
These hours are subject to alteration without notice

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Printed in Great Britain



ADDRESS LABELS

"MIDLAND" ADDRESS OR IDENTIFICATION LABELS OR DISCS

Disc 2" Dia. with Leather Strap.
For Cycles, Luggage, etc.
On Display Cards of 1 dozen.

No. 25/A30/200 .. .. .. per card 3/-

For Adjusters, see "Chain Adjusters."

For Acetylene Lamps, see "Lamps."

For Axles, see "Bracket Spindles."

For Bags, see "Tool Bags."

Axles for Box Tricycles, see Hubs.

BALLS—(STEEL)

For GAMES, PIN TABLES, Etc.

⅜" dia.

No. 25/B14/8 .. .. per doz. 1/-
25/B14/606 per gross —
25/B14/600 5 gross lots per gross —

Special Prices quoted for quantities



"B.B.L." BEST QUALITY STEEL BALLS. (British.)

		Per gross.			Per gross.			Per gross.
No. 25/B1d/4½	Size ¼" dia. ..	-/9	No. 25/B1f/7	Size 5/16" dia. ..	1/2	No. 25/B1h/100	Size ⅜" dia. ..	2/-
25/B1d/4½	10 gross boxes	-/8½	25/B1f/6½	10 gross boxes	1/1	25/B1h/11½	10 gross boxes	1/11
25/B1e/5½	.. 11/32" dia. ..	1/-	25/B1g/9	.. 11/32" dia. ..	1/6	25/B1L/200	.. 7/16" dia. ..	4/-
25/B1e/5½	10 gross boxes	-/11½	25/B1g/8½	10 gross boxes	1/5	25/B1L/111	10 gross boxes	3/10

"HOFFMANN'S" BEST QUALITY STEEL BALLS (English sizes).

		Per gross			Per gross.				
No. 25/B5b/106	Size 5/32" dia.	3/-	No. 25/B5h/102	Size ⅜" dia. ..	2/4	No. 25/B8d/8	Size 1/8"	per doz.	1/4
25/B5b/105½	10 gross boxes	2/11	25/B5h/101½	10 gross boxes	2/3	25/B8d/603		per gross	—
25/B5c/6½	.. 11/64" dia. ..	-/11	25/B5k/107	.. 7/16" dia. ..	3/2	25/B8e/9	.. 9/64"	per doz.	1/6
25/B5c/6½	10 gross boxes	-/10½	25/B5k/106	10 gross boxes	3/-	25/B8e/603		per gross	—
25/B5d/5½	.. ¼" dia. ..	-/11	25/B5L/203	.. 7/16" dia. ..	4/6	25/B8g/10	.. 5/32"	per doz.	1/8
25/B5d/5½	10 gross boxes	-/10½	25/B5L/202	10 gross boxes	4/4	25/B8g/704		per gross	—
25/B5e/7	.. 5/16" dia. ..	1/2	25/B8a/5	.. 11/64" .. per doz.	-/10	25/B8k/101	.. 3/16"	per doz.	2/2
25/B5e/6½	10 gross boxes	1/1½	25/B8a/210	per gross	—	25/B8k/911		per gross	—
25/B5f/8½	.. 11/32" dia. ..	1/5	25/B8b/6	.. ¼" .. per doz.	1/-	25/B8m/104	.. ¼"	per doz.	2/8
25/B5f/8	10 gross boxes	1/4	25/B8b/307	per gross	—	25/B8m/1301		per gross	—
25/B5g/10½	.. 3/8" dia. ..	1/9	25/B8c/7	.. 11/64" .. per doz.	1/2	25/B8s/200	.. 5/16"	per doz.	4/-
25/B5g/10	10 gross boxes	1/8	25/B8c/404	per gross	—	25/B8s/300	.. 3/8"	..	6/-
						25/B9d/403	.. 1"	..	8/6

Prices of larger sizes quoted on application. Millimetre sizes can be obtained to special order in a few days.

Brass, Manganese-Bronze and Phosphor-Bronze Balls quoted for on application.

BALL RETAINERS (OR CAGES)

(Foreign.)



Prices include Steel Balls fitted complete.

SUITABLE FOR :—

"New Departure," "Perry" and "B.W."

Coaster, standard models (1⅛").

No. 25/B17a/3 .. .. .. each -/6
25/B17a/202 per doz. —

"New Departure," "Perry" and "B.W."

Coaster, standard models (1 3/16").

No. 25/B17b/2 .. .. .. each -/4
25/B17b/107 per doz. —

Boxes containing Three Dozen assorted Ball Retainers or Cages complete, with Steel Balls fitted, comprising 6 stock patterns.

No. 25/B19z/609 .. .. per box 7/6



BALL MAGNET.

For Workshop use. (Foreign.)
4½" long × ¾" diameter pointed.

No. 25/B15/7 .. .. .. each 1/-

SUITABLE FOR :—

"Eadie" Coaster, standard models, small (1 1/16"), and "B.S.A." 3-Speed (large size) (1 3/16").

No. 25/B18a/1½ .. .. .. each -/3
25/B18a/104 per doz. —

"Eadie" Coaster, standard models (1⅛").

No. 25/B18k/2 .. .. .. each -/4
25/B18k/109 per doz. —

"B.S.A." 3-Speed (small size) (1⅛").

No. 25/B18m/1 .. .. .. each -/2
25/B18m/10 per doz. —

BELLS—*continued*—"LUCAS"



LUCAS "CHALLIS"

3" stamped brass dome.

Nickel Plated (No. 50).

No. 25/B121a/*109* .. .. each 2/4
25/B121a/*2000* Lots of 12. per doz. —
25/B121a/*1808* .. .. 36. .. .. —

Ebony (No. 50eb).

No. 25/B121b/*109* .. .. each 2/4
25/B121b/*2000* Lots of 12. per doz. —
25/B121b/*1808* .. .. 36. .. .. —

Chromium Plated (No. 50cp).

No. 25/B121c/*110* .. .. each 2/6
25/B121c/*2100* Lots of 12. per doz. —
25/B121c/*2000* .. .. 36. .. .. —







LUCAS BELL METAL DOME BELLS

"King of Bells," 2½" dome.

Chromium Plated (No. 61cp).

No. 25/B124c/*204* .. .. each 3/3
25/B124c/*2600* Lots of 12. per doz. —

Lucas "Baby," 2½" dome.

Nickel Plated (No. 62).

No. 25/B123a/*111* .. .. each 2/9



"LUCAS" CHALLIS DOUBLE LEVER TRIGGER BELLS, No. 50DL

3" Stamped Brass Dome, Chromium-plated.

No. 25/B121f/*202* .. .. each 3/3
25/B121f/*2400* Lots of 12. per doz. —



LUCAS "CHALLIS"

3" stamped steel dome.

With two-screw clip.

Nickel Plated (No. 30).

No. 25/B121g/*100* .. .. each 1/4
25/B121g/*1100* Lots of 12. per doz. —
25/B121g/*1008* .. .. 36. .. .. —

Ebony (No. 30eb).

No. 25/B121h/*100* .. .. each 1/4
25/B121h/*1100* Lots of 12. per doz. —
25/B121h/*1008* .. .. 36. .. .. —

Chromium Plated (No. 30cp).

No. 25/B121k/*101* .. .. each 1/6
25/B121k/*1200* Lots of 36. per doz. —



LUCAS "L.S.D."

3½" bell metal dome.

Nickel Plated (No. 65).

No. 25/B124e/*408* .. .. each 6/6



LUCAS "BURBURY"

1¾" bell metal dome, with band clip.

Nickel Plated (No. 73).

No. 25/B127k/*103* .. .. each 1/9
25/B127k/*1304* Lots of 36. per doz. —

Ebony (No. 73b).

No. 25/B127L/*103* .. .. each 1/9
25/B127L/*1304* Lots of 36. per doz. —

Chromium Plated (No. 73cp).

No. 25/B127m/*104* .. .. each 1/11
25/B127m/*1404* Lots of 36. per doz. —



LUCAS REVOLVING CHIME

2½" domes.

Ebony (No. 32eb).

No. 25/B124x/*206* .. .. each 3/6
25/B124x/*2800* Lots of 12. per doz. —

Chromium Plated (No. 32cp).

No. 25/B124z/*210* .. .. each 4/-
25/B124z/*3200* Lots of 12. per doz. —



LUCAS "BURBURY"

2½" bell metal dome.

Nickel Plated (No. 82).

No. 25/B127b/*107* .. .. each 2/3
25/B127b/*1800* Lots of 24. per doz. —

Ebony (No. 82eb).

No. 25/B127c/*107* .. .. each 2/3
25/B127c/*1800* Lots of 24. per doz. —

Chromium Plated (No. 82cp).

No 25/B127d/*109* .. .. each 2/5
25/B127d/*2000* Lots of 24. per doz. —

BRACKET CUPS AND LOCK RINGS—(FOR COTTERLESS BRACKETS)



"B.B.L."
BEST QUALITY BRACKET CUPS
Drilled with Right-hand thread.
Drilled (for Pin Spanner Adjustment).
For Cottered Brackets. 1⅜" × 24 thread.

No.	"B.B.L." Best Quality.	
25/B491a/*204*	Chromium ..	per doz. 3/6
25/B491b/*201*	Nickel ..	.. 3/3
25/B491b/*2400*		per gross —

1⅜" (full) × 24 thread (slightly over-size) for use with bracket shells with worn threads.

No.		
25/B491c/*306*	Nickel Plated	per doz. 5/–

"B.W." 1⅜" × 24 thread.

No.		
25/B492a/*303*	Dull Chromium	per doz. 4/6
25/B492b/*302*	Nickel ..	.. 4/6

"Brampton." 1⅜" × 24 thread.

No.		per doz.
25/B493p/*306*	Dull Chromium (924200)	4/8

"B.B.L."
BEST QUALITY BRACKET CUPS FOR RALEIGH
1⅜" × 26 threads milled with two flats for spanner.
For 1937–9 models.
Right-hand as Raleigh pattern No. 59.
No. 25/B495g/*4* .. .. each –/6
Left-hand as Raleigh pattern No. 510.
No. 25/B495h/*4* .. .. each –/6
Lock Rings to suit above as Raleigh pattern No. P207. With 4 slots.
No. 25/B528r/*200* .. doz. 3/–



"Brampton." Extra Deep.

No.		per doz.
25/B504m/*311*	Dull Chromium (924204)	5/2

For Tandem. 1⅜" × 26 thread.

No.		per doz.
25/B504x/*402*	Chromium (925621)	.. 5/6

No.	"B.S.A." Genuine.	per doz.
25/B505c/*803*	Chromium ..	.. 11/–

1⅜" × 24 left-hand thread.
"B.B.L." Best Quality. (Pinhole.)

No.	Standard Size.		per doz.
25/B531a/*304*	Nickel Plated	..	5/–
25/B531b/*304*	Black ..	..	5/–
25/B531c/*309*	Chromium ..	..	5/6

No.	Nickel Plated.	per doz.
25/B531p/*606*	"Oversize"	.. 9/6

No. "B.W." (With Two Flats.)		per doz.
25/B533a/*400*	Nickel Plated	.. 5/6
25/B533c/*400*	Dull Chromium	.. 5/6



BRACKET CUPS. ADJUSTING
For Cotterless Brackets.
1⅜" × 24 right-hand thread.
"B.B.L." Best Quality.

No.	Standard Size.		
25/B501a/*202*	Nickel Plated	per doz.	3/3
25/B501b/*202*	Black ..	..	3/3
25/B501c/*206*	Chromium ..	..	3/9
25/B501p/*500*	"Oversize." Nickel Plated ..	..	8/–

No.	"B.W."	
25/B503a/*307*	Nickel Plated	per doz. 5/–
25/B503c/*307*	Dull Chromium	.. 5/–

No.	"Brampton."	per doz.
25/B504b/*306*	All Black (928202) ..	4/8
25/B504c/*306*	Dull Chromium (924202)	4/8

"Chater Lea" Genuine.
For Safety Carrier Tricycle, and all Rear Tandem or 14a Front Tandem.
1⅜" × 26 right-hand thread × ⅜" deep, with 6 pinholes for adjusting.

No.		
25/B507a/*1103*	Nickel Plated	per doz. 15/–
25/B507c/*1209*	Chromium	.. 17/–

For Front Tandem Eccentric Brackets Adjustment.
1⅜" × 26 left-hand thread × ⅜" deep, with 2 pinholes for fixed.
No. To suit No. 12b and 15a Models.
25/B507n/*1209* Chromium per doz. 17/–

1⅜" × 26 right-hand thread × ⅜" deep, with 2 pinholes for fixed.
No. To suit No. 14 Model.
25/B507s/*1209* Chromium per doz. 17/–

1⅜" × 26 left-hand thread × ⅜" deep, with 6 pinholes for adjusting.
No. To suit No. 14 Model.
25/B507x/*1209* Chromium per doz. 17/–



BRACKET CUPS FLANGED
For Cotterless Brackets.
1⅜" × 24 left-hand thread.
"Brampton." (Pinhole.)

No.		per doz.
25/B534c/*403*	Dull Chromium 924201	5/8

Extra Deep. (With Two Flats.)

No.		per doz.
25/B534m/*403*	Dull Chromium 924203	5/8

For Tandem. 1⅜" × 26 thread.
(With Two Flats and Two Pinholes.)

No.		per doz.
25/B534x/*508*	Chromium 925620	7/6



LOCK RINGS
(for Adjusting Cups).
"B.B.L." Best Quality. (Slotted.)

No.	Standard Size.	per doz.
25/B521a/*103*	Nickel Plated ..	1/9
25/B521b/*103*	Black ..	1/9
25/B521c/*108*	Chromium ..	2/6

No.	Nickel Plated.	per doz.
25/B521p/*400*	"Oversize" ..	6/–

No.	"B.W." (Slotted.)	
25/B523a/*106*	Nickel Plated ..	2/–
25/B523c/*106*	Dull Chromium ..	2/–

No.	"Brampton." (Slotted.)	doz.
25/B524b/*111*	All Black 918075	2/6
25/B524c/*200*	Dull Chromium 914075	2/8

No.	For Tandem.	per doz.
25/B524x/*208*	Chromium 915620	3/6

"B.S.A." Genuine. (Pinhole.)

25/B525c/*402*	Chromium ..	5/6

"Chater Lea" Genuine. (Pinhole.)
For Safety, Tandem and Carrier Tricycle.

No.	Right-hand thread.	
25/B527a/*600*	Nickel Plated	doz. 8/–
25/B527c/*609*	Chromium	.. 9/–

For Front Tandem Brackets, Eccentric Adjustment.
Left-hand thread to suit No. 14 Model Tandem Front Bracket.

No.		
25/B527x/*609*	Chromium	doz. 9/–

"BAYLISS-WILEY" BRACKET CUPS AND LOCK RINGS FOR "B.W." PATENT OIL BATH UNIT BRACKET SET
Black Gun Finish.
1⅜" × 24 right-hand thread, ⅜" deep with 4 pinholes for adjusting.
No. 25/B503e/*4* .. .. each –/6
Lock Ring, slotted with very slight tapered edge flange for above.
No. 25/B523e/*3* .. .. each –/3
1⅜" × 24 left-hand thread, ⅜" deep double flanged, inner flange with slight tapered edge and outer flange with two flats.
No. 25/B533e/*6* .. .. each –/3

"B.S.A." Genuine.
(With Two Flats.)
1⅜" × 24 left-hand thread.

No.		per doz.
25/B535c/*1000*	Chromium ..	13/–

"Chater Lea" Genuine.
(With Two Flats.)
For Safety, Carrier Tricycle, and Rear Tandem or No. 14a Front Eccentric. 1⅜" × 26 left-hand thread.

No.		
25/B537a/*1103*	Nickel Plated	doz. 15/–
25/B537c/*1209*	Chromium	.. 17/–

BRACKET CUP DRIVER, BRACKET SHELLS



"MILLENNIUM" BRACKET CUP DRIVER OR REMOVER

Complete with Spanner.

The large square to screw cup in, and the smaller square to screw cup out. Takes all standard bottom bracket cups.

No. 25/B602a/*600* .. .. each 8/-

Spanner only for above.

No. 25/B602d/*203* .. .. each 3/-



FOR GRANBY TAPER TUBE FRAMES

Size 1⅜" × 1⅜" × ⅜" × 1⅛" C.L.

For Standard Sets

68° and 59½° × 10½" high.

Screwed 1⅜" × 24 for B.S.A. or Brampton.

No. 25/B680c/*209* Plain each 4/3
25/B680d/*300* Fish-tailed .. 4/6

Screwed 1 5/16" × 26 for Chater Lea.

No. 25/B680g/*300* Plain each 4/6
25/B680h/*302* Fish-tailed .. 4/9

For Upright Sets

63° and 64° × 10½" high.

Size 1⅜" × 1⅜" × ⅜" × 1⅛" C.L.

Screwed 1⅜" × 24 thread for B.S.A. and Brampton.

No. 25/B680k/*209* Plain each 4/3

Size 1⅜" × 1⅜" × ⅜" × 1⅛" C.L.

Screwed 1⅜" × 24 for B.S.A. or Brampton.

No. 25/B680m/*209* Plain each 4/3
25/B680n/*300* Fish-tailed .. 4/6

Screwed 1 5/16" × 26 for Chater Lea.

No. 25/B680s/*300* Plain each 4/6
25/B680t/*302* Fish-tailed .. 4/9



BRACKET CUP, DRIVER OR REMOVER

Suitable for use with Cottered or Cotterless Cups.

No. 25/B603/*608* .. .. each 10/-

BRACKET SHELLS (COTTERLESS)

"B.B.L." Best Quality.

Size: 1⅜" × 1⅜" × ⅜" × 1⅛" C.L. 67° × 62°.
No. 25/B673c/*101* Plain .. each 1/9

For Upright Sets

Size 1⅜" × 1⅜" × 1⅛" C.L. 61° × 65°.
10½" high.

For ⅜" Stays.

No. 25/B673m/*101* Plain each 1/9
25/B673n/*103* Fish-tailed .. 2/-

For ½" Stays.

No. 25/B673p/*101* Plain each 1/9
25/B673t/*103* Fish-tailed .. 2/-

"BRAMPTON" COTTERLESS

For Standard Sets

Size 1⅜" × 1⅜" × ⅜" × 1⅛" C.L.

68° and 59½°. (830210.)

No. 25/B688a/*103* Plain .. each 1/8
25/B688b/*105* Fish-tailed .. 1/10

67° and 63°. (830208.)

No. 25/B688c/*103* Plain each 1/8
25/B688d/*105* Fish-tailed .. 1/10

67° and 58½°. (830209.)

No. 25/B688c/*103* Plain each 1/8
25/B688f/*105* Fish-tailed .. 1/10

For Upright Sets

Size 1⅜" × 1⅜" × 1⅛" C.L. 10½" High.

63° × 61½° Fish-tailed.

For ½" Chain Stays (No. 830215).

No. 25/B688r/*103* .. .. each 1/8

For ⅜" Chain Stays (No. 830214).

No. 25/B688t/*105* .. .. each 1/10



BRACKET SHELLS (COTTERED)

"B.B.L." Best Quality. 67° × 62°.

Size: 1⅜" × 1⅜" × ⅜" × 1⅛" C.L.
No. 25/B671c/*103* .. .. each 2/-

Size: 1⅜" × 1⅜" × ⅜" × 1⅜" C.L.
No. 25/B671e/*103* .. .. each 2/-

Size: 1⅜" × 1⅜" × 1" × 1⅜" C.L.
No. 25/B671f/*106* .. .. each 2/-

"B.S.A." BRACKET SHELLS

Size: 1⅜" × 1⅜" × 1" × 1 5/16" C.L. Patt. A.
No. 25/B676a/*209* .. .. each 3/7



"B.W." PATENT OIL BATH UNIT

Comprising sleeve fitted with two black finish bracket cups, lock ring, steel balls and chromium bracket spindle complete.

No. 25/B675a/*200* 1⅜" C.L. each 2/9
25/B675b/*202* 1⅜" C.L., G.C.C. .. 3/-

BRACKET (COTTERLESS) WITH PLAIN SHELL, UNSCREWED BODY

Specially to suit "B.W." Patent Oil Bath Bracket Unit.

Size: 1⅜" × 1⅜" × ⅜" × 1⅛" C.L.
No. 25/B674/*102* .. each 1/9



"B.W." BOTTOM BRACKET REAMER

For clearing existing 1⅜" diameter screwed bracket shells.

No. 25/B675r/*1709* .. .. each 25/-

BRACKET SHELLS—*continued*



"BRAMPTON" COTTERLESS
Size 1⅛" × 1⅛" × ⅞" × 1⅛" C.L.
67° and 62°. (No. 830203.)
No. 25/B686k/*10* .. .. each 1/3

"B.S.A." GENUINE BRACKET SHELLS (Cotterless)
Size 1⅛" × 1⅛" × ⅞" × 1⅛" C.L.
No. 25/B677a/*209* Patt. A/D each 3/7
Size 1⅛" × 1⅛" × 1" × 1⅛" C.L.
No. 25/B677d/*209* Patt. B/D each 3/7
For Rigid Sets, with Straight Chain Stays.
Size 1⅛" × 1⅛" × ⅞" × 1⅛" C.L. Patt. A72.
No. 25/B678c/*209* For Model 30 each 3/7
Size 1⅛" × 1⅛" × ⅞" × 1⅛" C.L. Patt. A73.
No. 25/B678d/*209* For Model 32 each 3/7



TANDEM REAR BRACKET SHELL
"Brampton."
For bottom, seat and extension tubes.
Size 1⅛" × 1⅛" × 1⅛" × 1⅛" C.L.
Suitable for 20½" frames.
112° and 61½°. (No. 830645.)
No. 25/B692a/*109* Plain .. each 2/4
Size 1⅛" × 1⅛" × 1⅛" × 1⅛" C.L.
Suitable for 22" frames.
112° and 61°. (830641.)
No. 25/B692c/*109* Plain .. each 2/4
25/B692d/*111* Fish-tailed .. 2/6

"Chater Lea."
For No. 12B × 1⅛" C.L. Size 1⅛" × 1⅛" × 1⅛".
(No. 1239-3.)
No. 25/B706a/*208* Plain .. each 3/6
25/B706b/*209* Fish-tailed .. 3/8
For No. 15A × 1⅛" C.L. (No. 1239-2.)
No. 25/B706e/*305* Plain .. each 4/6
25/B706f/*307* Fish-tailed .. 4/9



"CHATER LEA"
For No. 14 × 1⅛" C.L., or 14A × 1⅛" C.L.
Size 1⅛" × 1⅛" × ⅞". (No. 1239.)
No. 25/B706m/*203* Plain .. each 3/–
25/B706n/*205* Fish-tailed .. 3/2



TANDEM FRONT BRACKET SHELL
"Brampton."
Size 1⅛" × 1⅛" × 1⅛" × 1⅛" C.L.
67° and 68°. (830640.)
No. 25/B691c/*203* Plain .. each 3/–
25/B691d/*206* Fish-tailed .. 3/4
Size 1⅛" × 1⅛" × 1⅛" × 1⅛" C.L.
64° and 68°. (830643.)
No. 25/B691e/*203* Plain .. each 3/–
25/B691f/*206* Fish-tailed .. 3/4

"Chater Lea."
Size 1⅛" × 1⅛" × 1⅛".
For Nos. 12B and 15A × 1⅛" C.L.
No. 929.
No. 25/B705a/*209* Plain .. each 3/8
25/B705b/*300* Fish-tailed .. 4/–
For No. 14 × 1⅛" C.L., or 14A × 1⅛" C.L.
Size 1⅛" × 1⅛" × 1⅛". No. 929-1.
No. 25/B705e/*209* Plain .. each 3/8
25/B705f/*300* Fish-tailed .. 4/–
For No. 90 or 92 Upright Model.
Size 1⅛" × 1⅛" × 1⅛" × 1⅛" C.L. No. 1581.
No. 25/B705g/*209* Plain .. each 3/8
25/B705h/*300* Fish-tailed .. 4/–

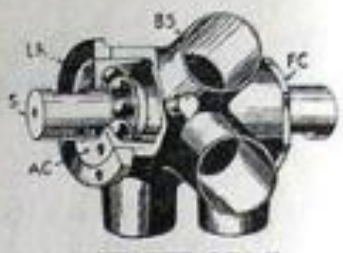


"BRAMPTON" TANDEM FRONT ECCENTRIC BRACKET SLEEVE
With Ball Type Lubricator.
For 64" or 67½" Wheel-base Tandems.
Chromium Plated.
No. 25/B693b/*300* (955601) each 4/–

"CHATER LEA"
Front Eccentric Bracket Sleeve.
For No. 14A, 42, 90 and 92 **Tandem Sets.**
(No. 1004-2.)
Chromium Plated.
No. 25/B705x/*402* .. .. each 5/6



"CHATER LEA" TANDEM REAR BRACKET SHELL
No. 1582.
For No. 90 or 92 Upright Model.
Size 1⅛" × 1⅛" × 1" Oval to Round Chain Stay × 1⅛" C.L.
No. 25/B706s/*307* Plain .. each 4/9
25/B706t/*309* Fish-tailed .. 4/11



"CHATER LEA" GENUINE BRACKET SHELLS
For Safety Rigid Sets.
For Upright Sets.
Size 1⅛" × 1⅛" × 1⅛" C.L. (No. 1563.)
Height 10½". 61½° and 65°.
For ⅜" Stays.
No. 25/B698a/*106* Plain .. each 2/–
25/B698b/*108* Fish-tailed .. 2/3
For ½" Stays. (No. 1563.)
No. 25/B698e/*106* Plain .. each 2/–
25/B698f/*108* Fish-tailed .. 2/3
For Standard Sets.
Size 1⅛" × 1⅛" × ⅞" × 1⅛" C.L.
Height 10½". 64½° and 60°. (No. 917-1.)
No. 25/B703a/*106* Plain .. each 2/–
25/B703b/*108* Fish-tailed .. 2/–
Size 1⅛" × ⅞" × 1⅛" C.L.
Height 10½". 66° and 60°. (No. 917-2.)
No. 25/B704a/*106* Plain .. each 2/–
25/B704b/*108* Fish-tailed .. 2/–



"BRAMPTON" TANDEM REA
For bottom, loop, seat and exten tubes, suitable for lady's 20" or 21" fr or double diamond frame.
Size 1⅛" × 1⅛" × 1⅛" × 1⅛" × 1⅛" C
45° × 67° × 61°. (830642.)
No. 25/B692f/*111* Plain .. each 2/–
25/B692g/*202* Fish-tailed .. 2/–
Size 1⅛" × 1⅛" × 1⅛" × 1⅛" × 1⅛" C
48° × 64° × 66½°. (830644.)
No. 25/B692h/*111* Plain .. each 2/–
25/B692k/*202* Fish-tailed .. 2/–

"CHATER LEA" BOX CARRI BRACKET SHELLS
For Standard Model (with Lubricat
Size 1⅛" × 1⅛" × 1⅛" × 1⅛" × 1⅛" C
No. 25/B715/*305* .. .. each
For Dropped Chassis New Model Cranked Chain Stays (with Lubricat
Size 1⅛" × 1⅛" × 1⅛" × 1⅛" × 1⅛" C
No. 25/B717/*407* .. .. each

BRACKET SPINDLES



"B.B.L." BEST QUALITY

Nickel Plated. For Pinhole Cups.

1⅛" C.L. A 1⅜" × B 1⅜" × C 1¼".
No. 25/B810b/7 .. .. each –/9½
25/B810b/609 per doz. —

1⅛" C.L., G.C.C. A 1⅜" × B 1⅜" × C 1⅜".
No. 25/B810c/7 .. .. each –/9½
25/B810c/609 per doz. —

1¼" C.L. A 1⅜" × B 2⅛" × C 1¼".
No. 25/B810d/8 .. .. each 1/–
25/B810d/706 per doz. —

1¼" C.L., G.C.C. A 1⅜" × B 2⅛" × C 1¼".
No. 25/B810e/8 .. .. each 1/–
25/B810e/706 per doz. —

For Cotterless Cups.

1⅛" C.L. A 1⅜" × B 2" × C 1⅛".
No. 25/B812b/7 Nickel .. each –/9½
25/B812b/609 per doz. —

1⅛" C.L., G.C.C. A 1⅜" × B 2" × C 1⅜".
No. 25/B812c/7 Nickel .. each –/9½
25/B812c/609 per doz. —

1⅛" C.L. A 1⅜" × B 2" × C 1⅛".
No. 25/B813b/7½ Chromium each –/10
25/B813b/700 per doz. —

1⅛" C.L., G.C.C. A 1⅜" × B 2" × C 1⅜".
No. 25/B813c/7½ Chromium each –/10
25/B813c/700 per doz. —

For Hercules Standard. (L2).

1⅛" C.L., G.C.C. A 1⅜" × B 2" × C 1⅜".
No. 25/B814b/10 Chromium each 1/3
25/B814b/906 per doz. —

For Hercules Carrier. (L).

1⅛" C.L., G.C.C. A 1½" × B 2⅛" × C 1⅜".
No. 25/B814k/11 Chromium each 1/5
25/B814k/1006 per doz. —

Specially suitable for **Raleigh Cycles.**

Chromium Plated. For Cotterless Cups.

A 1⅜" × B 2⅛" × C 1¼" (U).
No. 25/B816a/100 .. .. each 1/6

A 1⅛" × B 2⅛" × C 1⅜" (U1).
No. 25/B816b/100 .. .. each 1/6

A 1⅛" × B 2⅛" × C 1¼" (U2).
No. 25/B816c/100 .. .. each 1/6

A 1⅜" × B 2⅛" × C 1⅜" (U3).
No. 25/B816d/100 .. .. each 1/6

A 1⅜" × B 2" × C 1¼" (U4).
No. 25/B816e/100 .. .. each 1/6

A 1⅜" × B 2" × C 1⅛" (U5).
No. 25/B816f/100 .. .. each 1/6

A 1⅛" × B 2⅛" × C 1⅛" (U6).
No. 25/B816g/100 .. .. each 1/6

A 1⅜" × B 2⅛" × C 1⅜" (U7).
No. 25/B816h/100 .. .. each 1/6

For 1937/9 Models.

As Raleigh Pattern A8.
A 1⅜" × B 2⅜" × C 1⅜".
No. 25/B816L/100 .. .. each 1/6

As Raleigh Pattern A16.
A 1⅜" × B 2⅛" × C 1⅜".
No. 25/B816m/100 .. .. each 1/6

As Raleigh Pattern A16 G.C.C.
A 1⅜" × B 2⅛" × C 1⅜".
No. 25/B816n/100 .. .. each 1/6

Above spindles are plain from end to race, without shouldered ends.



A = Length from race to end of spindles for left-hand crank.

B = Centres.

C = Length from race to end of spindles for right-hand crank.

"B.S.A." GENUINE

Chromium Plated. For Cotterless Cups.

1⅛" C.L. A 1⅜" × B 2" × C 1⅜".
No. 25/B823b/2203 .. .. doz. **29/9**

"CHATER LEA" GENUINE

Nickel Plated. For Safety.

1⅛" C.L. A 1⅜" × B 1⅜" × C 1⅜".
No. 25/B850b/106 .. .. each 2/–

Chromium Plated. For Safety.

1⅛" C.L. A 1⅜" × B 1⅜" × C 1⅜".
No. 25/B852b/108 .. .. each 2/3

Chromium Plated. For Tandems.

1⅛" C.L. A 1⅜" × B 1⅜" × C 1⅜". No. 14.
No. 25/B858b/202 .. .. each 3/–

1⅛" C.L. A 1⅛" × B 1⅜" × C 1⅜".
No. 14A or No. 14. For Derailleur.
No. 25/B858d/201 .. .. each 2/9

1⅛" C.L. A 1⅜" × B 1⅜" × C 1⅜"
Nos. 12B and 15A.
No. 25/B858e/206 Front .. each 3/3

1⅛" C.L. A 1⅜" × B 2⅛" × C 1⅜".
Nos. 12B and 15A.
No. 25/B858f/206 Rear .. each 3/3

Nickel Plated. For Carrier Tricycle.

1⅛" C.L. A 1⅛" × B 2⅛" × C 1⅜"
No. 25/B859e/206 .. .. each 3/4

"B.B.L." SPECIAL SIZES

Suitable for various makes of machines.

21	Humber, old pattern (wide), G.C.C.
21a	.. .. .. (narrow), G.C.C.
33a	Rudge, modern.
36	Raleigh, roadster, G.C.C. (old pattern).
63	Sparkbrook, 1⅛" C.L., G.C.C.
66b	.. wide, G.C.C.
96	Carrier, extra long ends.

No. 25/B860a/106 .. .. each 2/3

Other sizes can be made specially at various prices according to pattern.



"BRAMPTON'S"

Nickel Plated Finish. For Pinhole Cups.

1⅛" C.L. A 1⅜" × B 1⅜" × C 1⅜".
No. 25/B833a/803 (943000) per doz. 11/–

1⅛" C.L., G.C.C. A 1⅜" × B 1⅜" × C 1⅜".
No. 25/B833c/803 (943002) per doz. 11/–

Chromium Plated Finish.
For Pinhole Cups.

1⅛" C.L. A 1⅜" × B 1⅜" × C 1⅜".
No. 25/B842a/803 (945000) per doz. 11/–

1⅛" C.L., G.C.C. A 1⅜" × B 1⅜" × C 1⅜".
No. 25/B842c/803 (945002) per doz. 11/–

1⅛" C.L., G.C.C. A 1⅛" × B 2⅜" × C 1⅜".
No. 25/B842m/900 (945004) per doz. 12/–

For Milled or Cotterless Cups.

1⅛" C.L. A 1⅜" × B 2⅛" × C 1⅛".
No. 25/B843a/803 (945001) per doz. 11/–

1⅛" C.L., G.C.C. A 1⅜" × B 2⅛" × C 1⅜".
No. 25/B843c/803 (945003) per doz. 11/–

CHROMIUM PLATED FOR TANDEMS

1⅛" C.L. A 1⅜" × B 1⅜" × C 1⅛".
For Front. (945600).
No. 25/B845b/1103 .. per doz. 15/–

1⅛" C.L. A 1⅛" × B 2⅛" × C 1⅜".
For Rear. (945602).
No. 25/B845c/1103 .. per doz. 15/–

"BAYLISS-WILEY."

For Pinhole Cups. N.P.

1⅛" C.L. A 1⅜" × B 1⅜" × C 1⅜".
No. 25/B826b/706 (No. 11) per doz. 10/6

1⅛" C.L., G.C.C. A 1⅜" × B 1⅜" × C 1⅜".
No. 25/B826c/706 (No. 10) per doz. 10/6

Chromium Plated.

1⅛" C.L. A 1⅜" × B 1⅜" × C 1⅜".
No. 25/B827a/706 (No. 1) per doz. 10/6

1⅛" C.L. A 1⅜" × B 1⅜" × C 1⅜".
No. 25/B827b/706 (No. 11) per doz. 10/6

1⅛" C.L., G.C.C. A 1⅜" × B 1⅜" × C 1⅜".
No. 25/B827c/706 (No. 10) per doz. 10/6

1⅛" C.L., G.C.C. A 1⅛" × B 1⅜" × C 1⅛".
No. 25/B827d/706 (No. 2) per doz. 10/6

1⅛" C.L., G.C.C. A 1⅛" × B 2⅜" × C 1⅜".
No. 25/B827e/800 (No. 12) per doz. 11/6

For Carrier Cycles (No. 3)

1⅛" C.L., G.C.C. A 1⅜" × B 2⅜" × C 1⅜".
No. 25/B827h/800 .. per doz. 11/6

For Milled or Cotterless Cups. N.P.

1⅛" C.L. A 1⅜" × B 2⅛" × C 1⅛".
No. 25/B828b/706 (No. 15) per doz. 10/6

Chromium Plated.

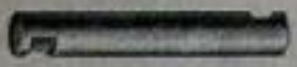
1⅛" C.L., G.C.C. A 1⅜" × B 2⅛" × C 1⅛".
No. 25/B829c/706 (No. 14) per doz. 10/6

1⅛" C.L. A 1⅛" × B 2⅛" × C 1⅛".
No. 25/B829b/706 (No. 15) per doz. 10/6

1⅛" C.L., G.C.C. A 1⅛" × B 2⅛" × C 1⅛".
No. 25/B829d/706 (No. 2c) per doz. 10/6

1⅛" C.L., G.C.C. A 1⅛" × B 2⅛" × C 1⅜".
No. 25/B829g/706 (No. 8) per doz. 10/6

BRACKET SPINDLES—*continued*



BOTTOM BRACKET SPINDLES
Plain Bearing
For Fairycycle Juvenile Machines.
3⅜" long × ⅜" dia. for ½" Cotters.
No. 25/B878c/6 .. .. each –/9
4½" long × ⅜" dia. for ½" Cotters.
No. 25/B878f/6 .. .. each –/9



"BAYLISS-WILEY"
Made from 40-Ton Tensile Steel.
1½" C.L. A 1 ⅜" × B 2⅛" × C 1½".

No.	No. 15R.	
25/B862m/*103*	Chromium Plated	each 1/8
25/B862n/*103*	All Black	1/8



BRACKET SPINDLE FOR FAIRYCYCLE JUVENILE MACHINES
(Cup and Cone pattern)
With fixed right side cone, adjusting left-hand cone, screwed ½" × 30 threads, complete with "D" Washer and Lock Nut with two flats, to suit ⅜" cranks. To suit 1⅜" depth R.H. crank and ⅜" depth for L.H. Crank.
4⅜" Length overall.
No. 25/B874e/*104* .. .. each 2/-

FOR CUP AND CONE SPINDLES
Nuts (Hexagon), ⅜" × 20 L.H. thread.
No. 25/B870n/*2* .. .. .. each –/3



BRACKET TAP
(B.S.A. Standard Size)
1½" × 24 thread with left and right hand threads combined.
Complete with Tommy Bar.
No. 25/B905r/*608* .. .. each 8/6

BRACKET TAPS



BRACKET TAP (B.S.A. Standard Size)
1½" diameter × 24 thread.

No. 25/B905e/*310*	Right hand	each 5/9
25/B905f/*310*	Left	5/9

1⅜" (1·45) × 26 thread for Brampton Tandem, etc.

No. 25/B905s/*804*	Right hand	each 12/6
25/B905t/*804*	Left	12/6



BRACKET TAPS
With 2½" long Guide, 6" overall, 1½" diam. × 24 thread, B.S.A. Standard Size. For

No. 25/B905k/*500*	Right hand	each
25/B905L/*500*	Left	



BRACKET TAPS
(B.S.A. Standard Size)
1½" diameter × 24 thread. British Made.

No. 25/B905a/*500*	Right hand	each 6/6
25/B905b/*500*	Left	6/6

Foreign.

No. 25/B905c/*303*	Right hand	each 4/6
25/B905d/*303*	Left	4/6



"MILLENNIUM" BOTTOM BRACKET CLEARING TAPS
Complete with guide and wrench.
B.S.A. Size. 1½" diameter × 24 thread.

No.		each
25/B906a/*1403*	Right hand ..	19/6
25/B906b/*1403*	Left	19/6
25/B906e/*909*	Replacement R.H. tap	13/–
25/B906f/*909*	.. L.H. ..	13/–
25/B906g/*109*	Guide collars ..	2/3

Special size taps can be made to special order.



"B.B.L." BOTTOM BRACKET CLEARING TAPS
B.S.A. Size. 1½" diameter × 24 thread.
Taps, complete with guide.

No.		each
25/B907a/*1409*	Right hand ..	19/8
25/B907b/*1409*	Left	19/8
25/B907e/*709*	Replacement R.H. tap	10/4
25/B907f/*709*	.. L.H. ..	10/4
25/B907g/*106*	Guide collars ..	2/–



"CHATER LEA" BOTTOM BRACK CLEARING TAP
1⅜" diameter × 26 thread.
For cleaning threads out after brazing

No.	Complete with R. and L. taps.	
25/B908a/*903*	.. .. ..	
25/B908e/*206*	Replacement R. H. tap	
25/B908f/*206*	.. L. H. ..	
25/B908g/*306*	.. Guides with Pins	

BRAKES (CABLE MODELS)



WEBB "TEN SPOT" CENTRE PULL CALIPER CABLE BRAKES

Chromium Plated.

With solid lever and two bolt hole adjustment to suit various shape bends. With waterproof - covered outer cable. Centre bolt fitting to go through crown or top stay bridge and stay clips.

Front, for Gent.'s or Ladies'.
No. 25/B1317b/500 For D .. each 7/-

Rear, for Gent.'s.
No. 25/B1317e/500 For Rd. .. each 7/-

Rear, for Ladies'.
No. 25/B1317m/500 For Rd. .. each 7/-



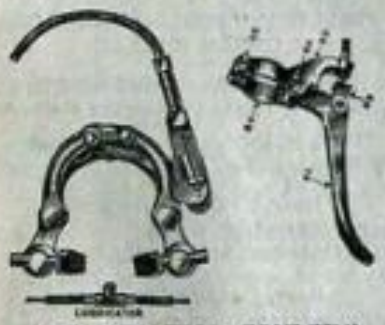
"BUFFALO" CENTRAL PULL CALIPER CABLE BRAKES

(Foreign.)

With uncovered enamelled outer wire.

Front, for Gent.'s or Ladies' Machines.
No. 25/B1331a/202 .. .. each 3/-

Rear, for Gent.'s Machines.
No. 25/B1331d/202 .. .. each 3/-



"CONSTRICTOR CONLOY" LIGHTWEIGHT RACING CALIPER BRAKE

With Waterproof-covered Outer Wire.

(British Made.)

With horizontal bolt fitting through crown and top bridge tube.

Polished (Model No. 33).

Gent.'s Front.
No. 25/B1339a/711 .. .. each 10/6

Gent.'s Rear.
No. 25/B1339d/801 .. .. each 10/9

NOTE:—Stirrups, Shoes, Lever and Clip are all Conloy.



"VINDEC DE LUXE" SIDE PULL CALIPER CABLE BRAKES

Chromium Plated. British Made.

With solid lever and two bolt hole adjustment to suit various shape bends.

With waterproof-covered outer cable.

Centre bolt fitting to go through crown or top stay bridge.

As fitted to "Vindec" Model C Bicycles.

Front, for Gent.'s or Ladies'.
No. 25/B1323b/300 .. .. each 4/-
25/B1323b/3500 per doz. —

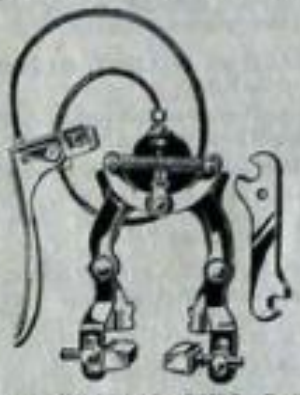
Rear, for Gent.'s.
No. 25/B1323e/301 .. .. each 4/2
25/B1323e/3600 per doz. —

Rear, for Ladies'.
No. 25/B1323m/302 .. .. each 4/3
25/B1323m/3700 per doz. —

With plate to fit over top stay bridge or strut with vertical bolt.

Rear, for Gent's.
No. 25/B1323r/302 .. .. each 4/3

Rear, for Ladies'.
No. 25/B1323s/303 .. .. each 4/4



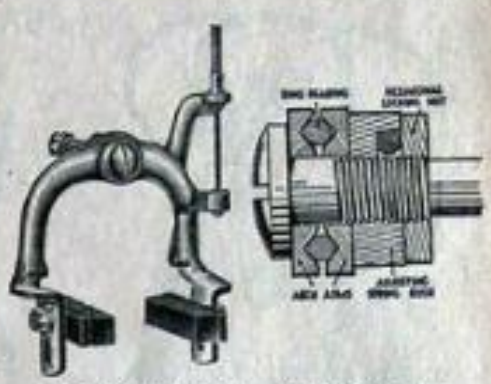
"LION" CENTRAL PULL CALIPER CABLE BRAKES

With uncovered enamelled outer wire and metal lever. British made.

Front, for Gent.'s or Ladies'.
No. 25/B1330a/201 Nickel each 3/-
25/B1330a/2406 per doz. —
25/B1330b/204 Chromium each 3/3
25/B1330b/2706 per doz. —

Rear, for Gent.'s.
No. 25/B1330d/201 Nickel each 3/-
25/B1330d/2406 per doz. —
25/B1330e/204 Chromium each 3/3
25/B1330e/2706 per doz. —

Rear, for Ladies'.
No. 25/B1330L/201 Nickel each 3/-
25/B1330L/2406 per doz. —
25/B1330m/204 Chromium each 3/3
25/B1330m/2706 per doz. —



"GRIP-IT" DE LUXE SIDE PULL CALIPER CABLE BRAKE

British made, with waterproof-covered cable and John Bull Brake Blocks.

Fitted with patent adjustable ring bearing, which ensures smooth working and eliminates all side play and loss of braking power.

Stirrup and centre bolt fitting to go through crown and top back stay bridge.

Chromium Plated.

Front, for Gent.'s or Ladies'.
No. 25/B1326b/309 .. .. each 5/-

Rear, for Gent.'s.
No. 25/B1326e/309 .. .. each 5/-

Rear, for Ladies'.
No. 25/B1326m/309 .. .. each 5/-



"MONITOR" SUPER CAM CALIPER CABLE BRAKES

Black Enamelled with Chromium Plated Lever and Parts.

With solid lever and two bolt hole adjustment to suit various shape bends.

Waterproof-covered Cable.

Front, Gent.'s or Ladies'.
No. 25/B1353b/407 For "D" each 7/-
25/B1353c/407 For ¼" round .. 7/-

Rear, for Gent.'s. For round stays.
No. 25/B1353e/407 .. .. each 7/-

Rear, for Ladies'. For round stays.
No. 25/B1353m/407 .. .. each 7/-

Front, for Tandem.
No. 25/B1353s/506 For "D" forks each 8/-

Rear, for Tandem. Double Gent's. For round stays.
No 25/B1353w/506 .. .. each 8/-

Can be supplied with Sports Pattern Brake Lever at the same price. For Illustration see page 37.

BRAKES (CABLE MODELS)—*continued*



MONITOR SIDE PULL CALIPER CABLE BRAKES

Black enamelled with chromium-plated lever and parts.

With solid lever and two bolt hole adjustment to suit various shape bends.

Waterproof-covered Cable.

Stirrup with horizontal bolt fitting to go through crown on top stay bridge.

"CLIMAX"

Front, for Gent.'s or Ladies' Machines.
No. 25/B1354b/*302* .. .. each 5/-

Rear, for Gent.'s Machines.
No. 25/B1354e/*303* .. .. each 5/-

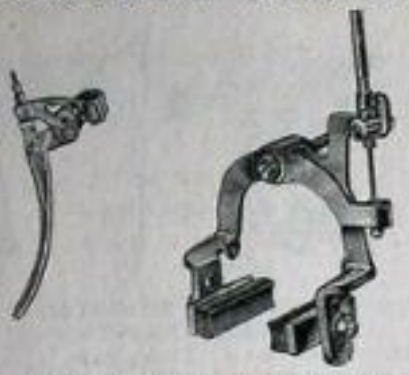
Rear, for Ladies' Machines.
No. 25/B1354m/*303* .. .. each 5/-

"SPEEDSTER"

Special for Close-built Cycles.

Front, for Gent.'s or Ladies' Machines.
No. 25/B1355b/*307* .. .. each 5/6

Rear, for Gent.'s Machines.
No. 25/B1355e/*307* .. .. each 5/6



PHILLIPS' "GRAND VITESSE" CALIPER CABLE BRAKE

With Waterproof-covered Cable.
Chromium Plated.

With horizontal bolt fitting through crown.

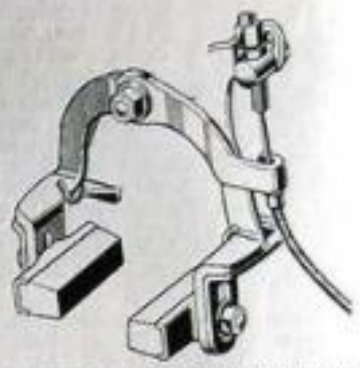
Front, for Gent.'s or Ladies' Machines.
No. 25/B1361b/*210* .. .. each 3/10

With vertical bolt for top back stay bridge.

Rear, for Gent.'s Machines.
No. 25/B1361e/*211* .. .. each 3/11

With horizontal bolt fitting for top back stay bridge.

Rear, for Gent.'s Machines.
No. 25/B1361r/*211* .. .. each 3/11



PHILLIPS' "GRANDE VITESSE" REAR CALIPER CABLE BRAKES

With horizontal bolt for top back stay bridge, with Waterproof-covered Cable.

Downward pull, suitable for Ladies' machines.

Chromium Plated.
No. 25/B1361h/*211* .. .. each 3/11

The **Monitor "Climax"** and **"Speedster" Brakes** are made up with **patent stabilizers.** The Front Brake being fitted with strong wire arm to brake shoe bolts, and Rear Brake Shoes are made with patent side arms to rest against back stays, to prevent pulling forward when pressure is applied.



PHILLIPS' "PHILCO" CALIPER CABLE BRAKES

With uncovered enamelled outer wire.
With ebonite lever for Roadster Machine

Front, for Gent.'s or Ladies' Machines.
No. 25/B1362a/*203*½ Nickel .. .. ea

Rear, for Gent.'s Machines.
No. 25/B1362d/*204*½ Nickel .. .. ea
25/B1362e/*208*½ Chromium .. ..

Rear, for Ladies' Machines.
No. 25/B1362L/*204*½ Nickel .. .. ea
25/B1362m/*208*½ Chromium .. ..

With racing pattern lever for Racing M
To suit Westwood, 1" Flat Endrick or Wood

Front, for Gent.'s or Ladies' Machines.
No. 25/B1363a/*202* Nickel .. .. ea
25/B1363b/*206* Chromium .. ..

Rear, for Gent.'s Machines.
No. 25/B1363d/*203* Nickel .. ..
25/B1363e/*207* Chromium .. ..

Rear, for Ladies' Machines.
No. 25/B1363L/*203* Nickel .. .. ea



"PHILLIPS" AGRIPPA CALIPER CABLE BRAKES

With two hole adjustment Levers to suit various Handlebar bends. Waterproof-covered Cable.

With Horizontal Bolt fitting through Crown.

Front, for Gent.'s or Ladies' Machines.
No. 25/B1359a/*301*½ Nickel .. .. each 4/2
25/B1359b/*305*½ Chromium 4/8

With vertical bolt fitting through top stay bridge.

Rear, for Gent.'s Machines.
No. 25/B1359d/*303* Nickel .. .. each 4/4
25/B1359f/*305*½ All Black 4/8

Rear, for Ladies' Machines.
No. 25/B1359L/*303* Nickel .. .. each 4/2
25/B1359n/*305*½ All Black 4/8



Clip Fitting.

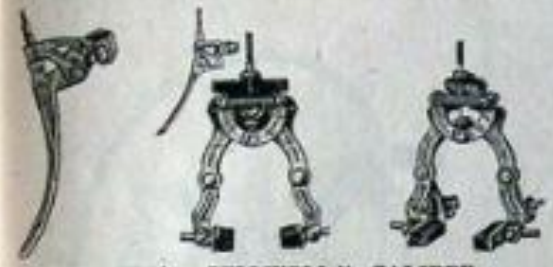
Front, for Gent.'s or Ladies' Machines.
No. 25/B1358a/*301*½ Nickel each 4/2
25/B1358b/*305*½ Chromium .. 4/8

Rear, for Gent.'s Machines.
No. 25/B1358d/*303* Nickel each 4/4
25/B1358e/*307* Chromium .. 4/10
25/B1358f/*305*½ All Black .. 4/8

Rear, for Ladies' Machines.
No. 25/B1358L/*303* Nickel each 4/4
25/B1358m/*307* Chromium .. 4/10
25/B1358n/*305*½ All Black .. 4/8



BRAKES (PHILLIPS' and RESILION)—*continued*



PHILLIPS' "SELLWELL" CALIPER CABLE BRAKES

With Waterproof-covered Outer Wire.
With ebonite lever for Roadster Machines.

Front, for Gent.'s or Ladies' Machines.

No. 25/B1364a/*208*	Nickel	.. each	3/8
25/B1364b/*300*	Chromium	..	4/2
25/B1364c/*211*	All Black..	..	4/–

Rear, for Gent.'s Machines.

No. 25/B1364d/*210*	Nickel ..	each	3/10
25/B1364e/*302*	Chromium	..	4/4
25/B1364f/*300*	All Black	..	4/2

Rear, for Ladies' Machines.

No. 25/B1364l/*210*	Nickel ..	each	3/10
25/B1364m/*302*	Chromium	..	4/4

With racing pattern lever for Racing Machines.
To suit Westwood, 1" Flat Endrick or Wood Rims.

Front, for Gent.'s or Ladies' Machines.

No. 25/B1365a/*208*	Nickel ..	each	3/8
25/B1365b/*300*	Chromium	..	4/2

Rear, for Gent.'s Machines.

No. 25/B1365d/*210*	Nickel ..	each	3/10
25/B1365e/*302*	Chromium	..	4/4



RESILION "CANTILETTE" CABLE BRAKES

With Waterproof-covered Outer Wire with Two-screw Clip Fittings.

FRONT

For 1¼" Ordinary "D" Front Forks.
All Black with Chromium Plated Lever.

No. 25/B1387b/*600*	.. ..	each	8/–
25/B1387c/*508*	All Black	..	7/6

For "A. & P." or Reynolds Curved Taper Front Forks

No. 25/B1388c/*508*	All Black	each	7/6

REAR. For ⅜" or ½" Round Stays.
All Black with Chromium Plated Lever.

No. 25/B1386b/*600*	Gent.'s	each	8/–
25/B1386f/*508*	Gent.'s All Black	..	7/6
25/B1386g/*508*	Lady's All Black	..	7/6



RESILION "ANCHOR" CALIPER CABLE BRAKES

Black Enamel with Chromium Plated Lever and Parts.
Waterproof-covered Outer Wire.
Well made and finished. Weight approx. 12 oz.

Front. For Gent.'s or Ladies'.
For 1¼" "D" Forks.

No. 25/B1390b/*402*	.. ..	each	5/6

Front. For ⅜" Round Forks.

No. 25/B1390c/*402*	.. ..	each	5/6

Rear. For Gent.'s.

No. 25/B1390e/*402*	For Round	each	5/6

Rear. For Ladies'.

No. 25/B1390m/*402*	For Round	each	5/6

RESILION "CANTILEVER" CABLE BRAKES

With Waterproof-covered Outer Wire.

FRONT

With Two-screw Clip Fitting. To fit Round Forks.

No.	To fit ⅜" Round Forks.	each
25/B1375x/*1001*	Chromium Plated	13/6
25/B1375s/*807*	All Black ..	11/6

No.	To fit 1" Round Forks.	each
25/B1376b/*1001*	Chromium Plated	13/6

No.	To fit 1¼" "D" Forks.	each
25/B1377a/*807*	Nickel Plated ..	11/6
25/B1377b/*1001*	Chromium Plated	13/6
25/B1377c/*807*	All Black ..	11/6

To fit "A & P." Curved Taper

No.	Forks "D" to Round.	each
25/B1378b/*1001*	Chromium Plated	13/6
25/B1378c/*807*	All Black ..	11/6

To fit Reynold's H.M. Super Resilient Curved

No.	Taper Forks "D" to Round.	each
25/B1378h/*1001*	Chromium Plated	13/6



REAR

With Two-screw Clip Fitting.
To fit Round Back Stays.

Nickel Plated.

No. 25/B1376d/*710*	Gent.'s	⅜"	each	10/6
25/B1376n/*710*	..	⅜"	..	10/6

Chromium Plated.

No. 25/B1376e/*904*	Gent.'s	⅜"	each	12/6
25/B1376p/*904*	..	⅜"	..	12/6

All Black.

No. 25/B1376f/*710*	Gent.'s	⅜"	each	10/6
25/B1376r/*710*	..	⅜"	..	10/6

Nickel Plated.

No. 25/B1376g/*710*	Ladies'	⅜"	each	10/6
25/B1376s/*710*	..	⅜"	..	10/6

To fit ⅜" or ½" "D" Back Stays.

Nickel Plated.

No. 25/B1377d/*710*	Gent.'s	each	10/6

Chromium Plated.

No. 25/B1377e/*904*	Gent.'s	each	12/6

All Black.

No. 25/B1377f/*710*	Gent.'s	each	10/6

Resilion Brakes can be supplied with Coupled Brake Levers at an extra charge.

With Two-screw Clip Fitting, fitted with heavy clutch main cable. Specially suitable for Tandems.

Front. To fit 1¼" "D" Forks.

No. 25/B1379a/*904*	Nickel Plated	.. ..	each	12/6
25/B1379b/*1010*	Chromium Plated	.. ..	..	14/6
25/B1379c/*904*	All Black	.. .. ..	..	12/6

Front. To fit 1½" Oval Forks.

No. 25/B1379m/*904*	Nickel Plated	.. ..	each	12/6
25/B1379n/*1010*	Chromium Plated	.. ..	..	14/6
25/B1379p/*904*	All Black	.. .. ..	..	12/6

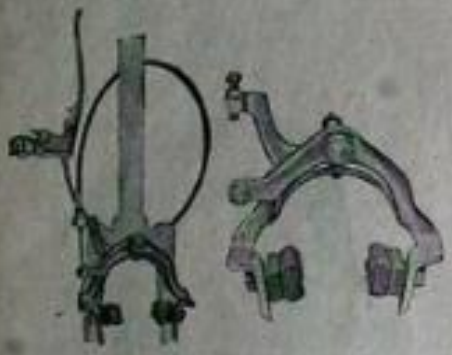
Rear. To fit ⅜" Round Back Stays.

No. 25/B1379d/*904*	Two Gent.'s	Nickel Plated	each	12/6
25/B1379e/*1010*	.. ..	Chromium Plated	..	14/6
25/B1379f/*904*	.. ..	All Black ..	..	12/6

Rear. For Gent.'s and Lady-back Tandem.

No. 25/B1379g/*904*	Nickel Plated	.. .. ..	each	12/6

BRAKES—*continued*



"TABUCCHI" AMBRA SUPERGA SPECIAL LIGHTWEIGHT SIDE PULL CALIPER BRAKES

With aluminium finish waterproof-covered cable to bolt through crown and top stay bridge, with special leaf stirrup take-off spring. Italian manufacture.

Dural.

No. 25/B1440a/*803* Front .. each 10/6
25/B1440d/*809* Gent.'s Rear .. 11/-

Steel Chromium Plated.

No. 25/B1440L/*511* Front .. each 7/6
25/B1440p/*511* Gent.'s Rear .. 7/6



SPORTS "V.W." CALIPER BRAKES.

(Foreign.)

With horizontal bolt fitting through crown or top back stay bridge. With aluminium finish waterproof-covered cable.

Chromium Plated. Weight 14 oz.

No. 25/B1453a/*402* Front .. each 5/6
25/B1453b/*402* Rear 5/6

For BRAKE REPLACEMENT CABLES see pages 32-34

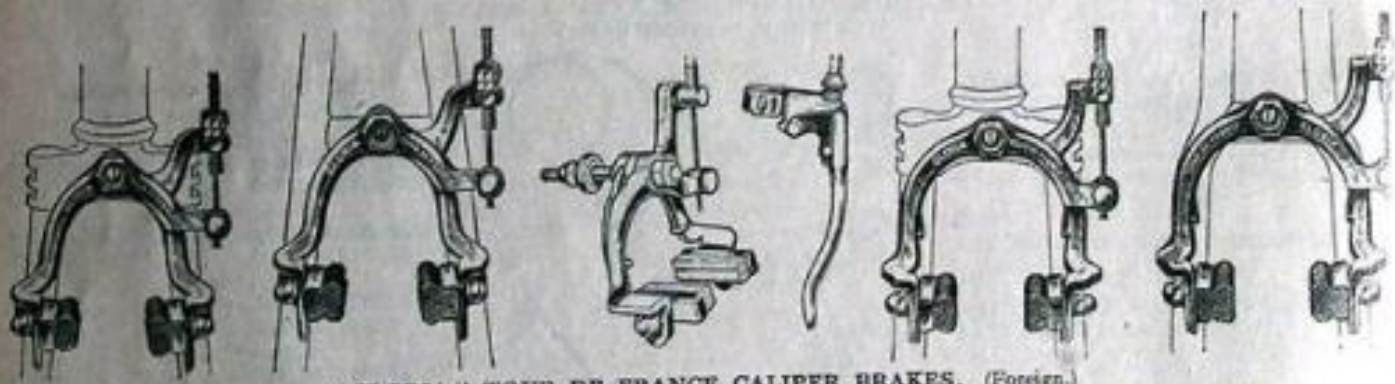


"WISSNER" LIGHT ALLOY METAL SPECIAL LIGHTWEIGHT SIDE PULL CALIPER BRAKES.

(Foreign.)

With aluminium finish waterproof-covered cable to bolt through crown and top stay bridge, with special leaf stirrup take-off spring.

No. 25/B1441a/*609* Front .. each 8/6
25/B1441d/*609* Gent.'s Rear .. 8/6



"GLORIA" TOUR DE FRANCE CALIPER BRAKES. (Foreign.)

With horizontal bolt fitting through crown or top back stay bridge, strong double coil throw-off spring, and aluminium finish waterproof-covered cable.

As used by the continental racing men.

Racing, for narrow rims.

Duralumin.

No. 25/B1445a/*1006* Front .. .. each 14/-
25/B1445b/*1006* Rear 14/-

Steel Chromium Plated.

No. 25/B1445d/*503* Front .. .. each 7/-
25/B1445e/*603* Rear 7/-

Semi-racing, for wider rims and with deeper clearance stirrup.

Duralumin.

No. 25/B1446a/*1006* Front .. .. each 14
25/B1446b/*1006* Rear 14

Steel Chromium Plated.

No. 25/B1446d/*503* Front .. .. each 7
25/B1446e/*503* Rear 7

"BOWDEN" SIMPLEX CONTINENTAL SIDE PULL CALIPER BRAKES. (Foreign.)

With horizontal bolt fitting through crown or top back stay bridge, strong double coil throw-off spring, and aluminium finish waterproof-covered cable.

Duralumin. (With lever end cable adjustment).

No. 25/B1450a/*905* Front .. .. .. each 12/6
25/B1450b/*905* Rear 12/6

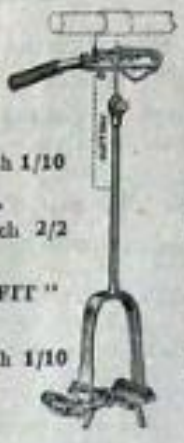
Steel Chromium Plated. (With stirrup end cable adjustment).

No. 25/B1451a/*503* Front .. .. each 7
25/B1451b/*503* Rear 7

BRAKES—*continued*

PULL-UP LEVER MODEL (FRONT)

FRONT BRAKES, with pull-up lever and ⅜" clip.



"VINDEC"

Nickel Plated.

No. 25/B2004k/*104*½ each 1/10

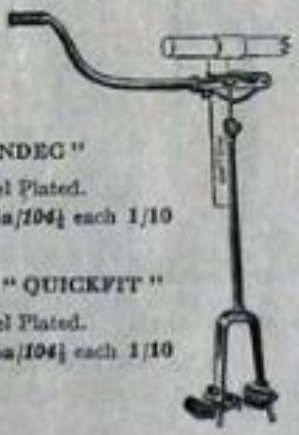
Chromium Plated.

No. 25/B2004L/*107* each 2/2

PHILLIPS' "QUICKFIT"

Nickel Plated.

No. 25/B2006k/*104*½ each 1/10



"VINDEC"

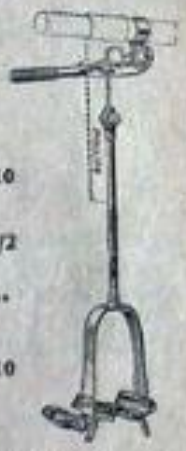
Nickel Plated.

No. 25/B2004a/*104*½ each 1/10

PHILLIPS' "QUICKFIT"

Nickel Plated.

No. 25/B2006a/*104*½ each 1/10



"VINDEC"

Nickel Plated.

No. 25/B2004t/*104*½ each 1/10

Chromium Plated.

No. 25/B2004w/*107* each 2/2

PHILLIPS' "QUICKFIT"

Nickel Plated.

No. 25/B2006t/*104*½ each 1/10

"VINDEC." For Carrier Cycles, with long pull-up lever, extra long stirrup and large size Carrier Brake Blocks. **All Black.**

No. 25/B2005a/*206* .. .. each 3/6



PHILLIPS' TOGGLE FRONT BRAKES

With short cranked lever.

To suit ordinary 1" forward lug.

No. 25/B2010d/*202* each 3/-



PHILLIPS' "CREDEX"

Front and Rear Brakes fitted with pull-up Levers with clips on **Model H Sports** Dropped Handlebars, 16" wide **without** grips with Rear Levers on right-hand side.

With Expander Bolt.

Chromium Plated.

No. 25/B2075d/*710*½ .. per set 10/9

Without Expander Bolt.

Nickel Plated.

No. 25/B2075a/*611* .. per set 9/3

Chromium Plated.

No. 25/B2075c/*708* .. per set 10/5



PHILLIPS' JUNIOR FRONT BRAKE

With long pull-up lever, complete with Handlebar. Plated.

Ordinary Raised.

14½" wide. ⅜" dia. and ⅜" stem with Expander Bolt.

No. 25/B2030a/*400* .. per set 5/4

PHILLIPS' "PHILCO" FRONT PULL-UP CALIPER ACTION BRAKES

Central Pull.

With Short Cranked Lever and ⅜" Clip.

Suitable for "Endrick" Rims.



Nickel Plated.

No. 25/B2008k/*203* .. each 3/-

Chromium Plated.

No. 25/B2008L/*206* .. each 3/4

PHILLIPS' "CREDEX" BAR FITTING PULL-UP LEVER BRAKES

Less Handlebar.

Nickel Plated.

No. 25/B2072a/*200* Rear .. each 2/8

Chromium Plated.

No. 25/B2072c/*202*½ Rear .. each 3/-



"PEERO" JUNIOR FRONT BRAKE

With long raised pull-up lever to suit 14½" width and clip for ⅜" handlebar stem fitting.

No. 25/B2021a/*105* each 2/2

25/B2021a/*1606* doz.—

Specially suitable for Juvenile Cycles.

BRAKES—*continued*

(PULL-UP LEVER MODEL) FRONT—(JUVENILE)

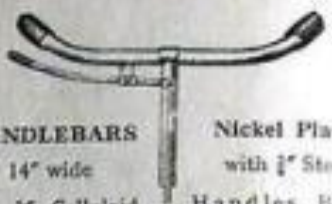


FRONT RIM BRAKE
Nickel Plated.
For Cushion-tyred Toy Cycles.
To bolt on Raised Handlebar, with Round Peg Guide.
For "Fairycycles."
Brake complete.

No. 25/B2041a/*300* .. .. each 4/–
Lever, Bolt, Spring and Rod only.
No. 25/B2041d/*104* .. .. each 2/–
Bottom Part with Fork Clips only.
No. 25/B2041e/*104* .. .. each 2/–

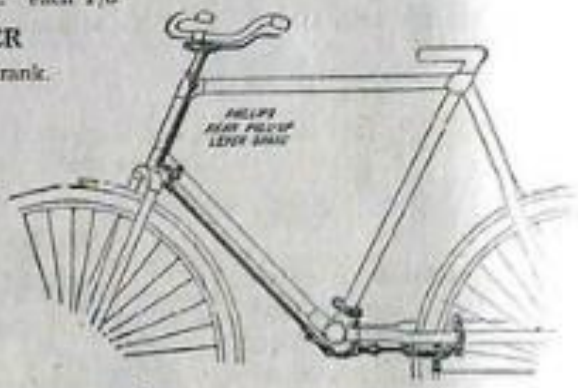


FRONT SPOON BRAKE
Nickel Plated.
For Cushion-tyred Toy Cycles.
To bolt on Flat Handlebar.
For "Fairycycles."
Brake complete.
No. 25/B2045a/*110* each 2/6
Lever, Bolt and Rod only.
No. 25/B2045d/*101* .. .. each 1/6
Bottom Part with Spring and Collar.
No. 25/B2045e/*101* .. .. each 1/6



HANDLEBARS Nickel Plated
14" wide with ⅞" Stem.
With ⅞" Celluloid Handles, Brake Lever and ⅜" dia. Rod. (Less Bottom Parts.) For "Fairycycles."
Flat, with Lap Joint.
No. 25/B2050a/*307* .. .. per set 5/–

REAR-ROADSTER



REAR BRAKES, with pull-up lever, ⅞" stem-fitting clip, and clip-fitting bell crank.

"VINDEC"

No. 25/B2067a/*200*	Long, L.H. fitting.	Nickel Plated	each 2/8
25/B2067d/*200*	.. R.H. ..	.. .. ..	.. 2/8
25/B2067k/*200*	Short Straight, L.H. fitting.	Nickel Plated	.. 2/8
25/B2067p/*200*	.. .. R.H. ..	.. .. ..	.. 2/8
25/B2067L/*202*	.. .. L.H. fitting.	Chromium	.. 3/–

For Carrier Cycles.
Extra long stirrup and large-size Carrier Brake Blocks.
No. 25/B2068a/*302* Long, L.H. fitting. **All Black** .. each 4/3

PHILLIPS' "QUICKFIT." Nickel Plated.

No. 25/B2070a/*200*	Long, L.H. fitting	each 2/8
25/B2070k/*200*	Short straight, L.H. fitting ..	each 2/8



BOX CARRIER BRAKES
CHATER LEA FRONT RIM BRAKES

For Box Carrier Tricycles.

No. 25/B2078a/*1707*	Without Locking Clip	each 23/6
25/B2078d/*1902*	With Locking Clip	.. 25/7



CHATER LEA BACK RIM BRAKE

For Box Carrier Tricycles. Complete with special seat bolt and nut.

No. 25/B2080a/*801*	Natural Rough Finish	each 10/9
25/B2080d/*1004*	Black Enamelled Finish Stoved ..	.. 13/9

For Replacement parts to fit Chater Lea Front and Rear Box Carrier Brakes, see pages 45 and 47.

For Internal expanding Front and Rear Hub Brakes, see page 159.

ROLLER-LEVER MODEL. FRONT

"VINDEC" FRONT BAND CLIP FITTING ROLLER LEVER BRAKE, With Round Peg Guides. To suit 16" × ⅞" dia. Ordinary Raised Handlebar.



Right-hand fitting.
No. 25/B2100a/*105*½ Nickel Plated each 2/–
25/B2100b/*108* Chromium Plated .. 2/4

Left-hand fitting.
No. 25/B2100L/*105*½ Nickel Plated each 2
25/B2100m/*108* Chromium Plated .. 2



PHILLIPS' "PHILCO" JUNIOR FRONT BRAKE fitted with Roller Lever and Expander Bolt. For 5" Head, ⅞" "D" Fork Clips. Round Peg Guide.
Stud Lugs on Ordinary Raised Handlebar, ⅞" dia. × 14½" wide × ⅞" Stem, with
No. 25/B2180b/*400* Nickel Plated .. .. per set 5/4

FRONT BOTTOM PARTS ONLY

No. 25/B2290n/*101*	"Vindec,"	Plated ..	per set 1/5
25/B2290c/*103*	..	All Black ..	.. 1/9
25/B2295a/*101*	"Celtonia,"	Plated ..	.. 1/5

PHILLIPS' FRONT BOTTOM PART ONLY

Comprising long Brake Tube with eye-bolt, extra heavy long stirrup and large size Carrier Brake Blocks with fork clips. Specially suitable for **Low Gravity Carrier Cycles.**

No. 25/B2297c/*204* Black Enamelled .. per set 3/3

BRAKES—*continued*

ROLLER-LEVER MODEL. WITH STUD LUGS.



REAR.

"VINDEC" REAR BAND CLIP FITTING ROLLER LEVER BRAKE

(with Spring Arches and Round Peg Guides).

To suit 18" × ¼" dia. Ordinary Raised Handlebar.

Left-hand fitting.

No. 25/B2330a/*203*	Nickel Plated	each	3/-
25/B2330b/*205*	Chromium Plated	,,	3/4

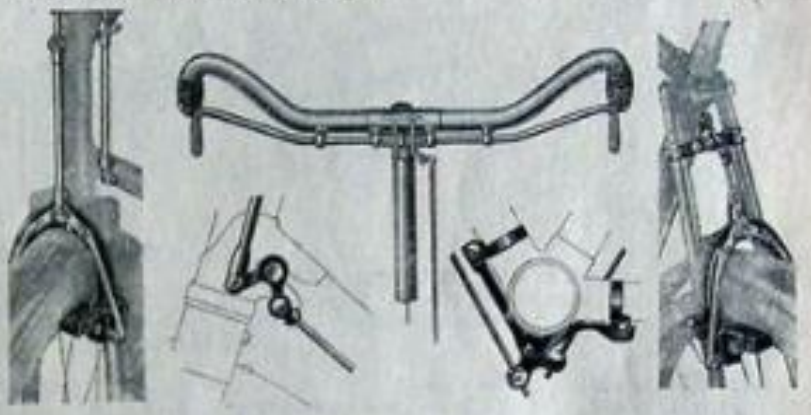
Right-hand fitting.

No. 25/B2330L/*203*	Nickel Plated	each	3/-
25/B2330m/*205*	Chromium Plated	,,	3/4

To suit 14½" wide Juvenile Ordinary Raised Handlebar, 5" head, 1" frame tubes, "D" stays.

Left-hand fitting.

No. 25/B2340a/*203*	Nickel Plated	each	3/-



"MONITOR" POWER PLUS HANDLEBARS

Complete with Front and Rear Roller Lever Brakes.

Chromium Plated.

Specially suitable for **"Endrick" rims**, central pull action brake stirrups the same in operation as The Monitor Super Cam Brakes and have roller lever control. Bolt fitting bell cranks and clip fitting on bracket tubes. With rear lever on left-hand side.

18" Ordinary Raised

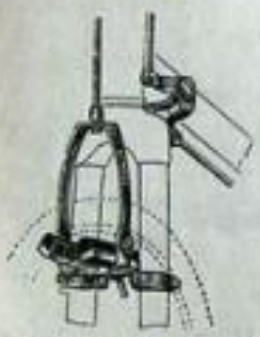
No. 25/B2897c/*1000*	Without expander bolt	per set	15/-
25/B2897d/*1006*	With expander bolt fitted		15/9

18" High North Road Raised

No. 25/B2898c/*1000*	Without expander bolt	per set	15/-
25/B2898d/*1006*	With expander bolt fitted		15/9

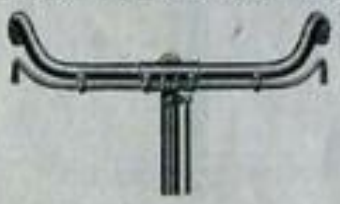
18" North Road Dropped

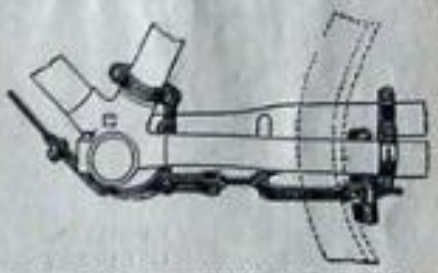
No. 25/B2899c/*1000*	Without expander Bolt	per set	15/-
25/B2899d/*1006*	With expander bolt fitted		15/9



FRONT AND REAR BRAKES, fitted with Roller Levers on Handlebar.

FRONT AND REAR (combined)





WITH STUD LUGS

FRONT AND REAR ROLLER LEVERS AND RODS
(less bottom parts), fitted on Handlebar.

"VINDEC"

18" Ordinary Raised

(With Rear Lever on Left-hand side).

No. 25/B2395a/*604*½	Nickel Plated	per set	8/6
25/B2395b/*607*	,, ,, with expander bolt	,,	8/10
25/B2395c/*609*½	Chromium Plated	,,	9/1
25/B2395e/*608*½	All Black	,,	9/-
25/B2395f/*611*	,, ,, with expander bolt	,,	9/4

(With Rear Lever on Right-hand side).

No. 25/B2396a/*607*½	Nickel Plated	per set	8/10
25/B2396b/*610*	,, ,, with expander bolt	,,	9/1
25/B2396c/*700*½	Chromium Plated	,,	9/5
25/B2396d/*703*	,, ,, with expander bolt	,,	9/9
25/B2396e/*611*½	All Black	,,	9/4

18" Ordinary Raised

(With Rear Lever on Left-hand side).

No. 25/B2395m/*408*	Nickel Plated	per set	6/4
25/B2395n/*411*	,, ,, with expander bolt	,,	6/8
25/B2395p/*502*½	Chromium Plated	,,	6/11
25/B2395s/*500*½	All Black	,,	6/10
25/B2395t/*503*	,, ,, with expander bolt	,,	7/2

(With Rear Lever on Right-hand side).

No. 25/B2396m/*411*½	Nickel Plated	per set	6/8
25/B2396n/*502*	,, ,, with expander bolt	,,	6/11
25/B2396p/*504*	Chromium Plated	,,	7/3
25/B2396r/*507*	,, ,, with expander bolt	,,	7/6
25/B2396s/*504*	All Black	,,	6/9

Nos. 25/B2395a/*100* and 25/B2395m/*100* Extra for Handlebars supplied from stock with ¼" or ⅜" stems ... per set 1/6

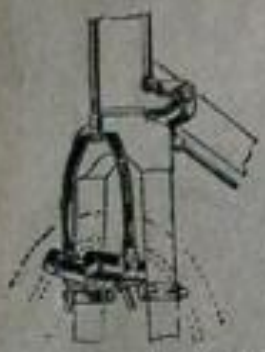
-/8 Extra for all Handlebars fitted with expander bolts (where not listed) ... -/9

For Front and Rear Bottom Parts only, see page 25.

For Levers and Rods or Bottom Parts separate, see pages 37, 39 & 43.

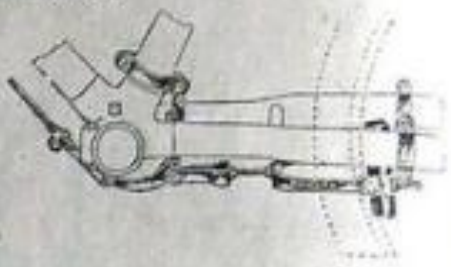
BRAKES—*continued*

ROLLER LEVER MODEL. FRONT AND REAR (Combined).









WITH STUD LUGS

FRONT AND REAR BRAKES
Fitted with Roller Levers on Handlebar.
18" Ordinary Raised

FRONT AND REAR LEVERS AND RODS
(less bottom parts). Fitted on Handlebar.
18" Ordinary Raised

PHILLIPS' "CELTONIA"

			per set
No. 25/B2412a/504½	Nickel Plated	.. .. ..	8/6
25/B2412b/607	Nickel Plated, with expander bolt		8/10
25/B2412c/609½	Chromium Plated	.. ..	9/1
25/B2412d/700	,, ,, with expander bolt		9/5
25/B2412e/608½	All Black, without expander bolt		9/–
25/B2412f/611	,, ,, with ,, ,,		9/4

With Rear Lever on Right-hand Side.

No. 25/B2413c/700½	Chromium Plated		9/5
25/B2413d/702	,, ,, with expander bolt		9/9

			per set
No. 25/B2412m/409½	Nickel Plated	.. .. ..	6/7
25/B2412n/500	Nickel Plated, with expander bolt		6/11
25/B2412p/503½	Chromium Plated	.. ..	7/3
25/B2412r/506	,, ,, with expander bolt		7/7
25/B2412s/502½	All Black, without expander bolt		7/1
25/B2412t/505	,, ,, with ,, ,,		7/5

With Rear Lever on Right-hand Side.

No. 25/B2413p/506½	Chromium Plated		8/–
25/B2413r/509½	,, ,, with expander bolt		8/3

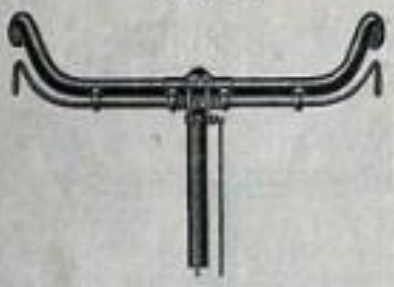
PHILLIPS' "CRABBE," MODEL A, CENTRAL PULL
With Bolt fitting Yoke Bell Crank and Rear Lever on Right-hand Side.

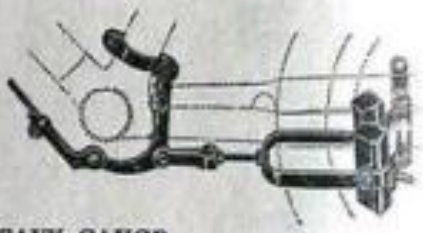
No. 25/B2440a/704	Nickel Plated	per set	9/10
25/B2440c/711½	Chromium Plated	,,	10/8
25/B2440e/805	All Black	,,	11/1

No. 25/B2440m/601	Nickel Plated ..	per set	8/7
25/B2440p/611	Chromium Plated	,,	9/9
25/B2440s/700	All Black	,,	9/10

For Front and Rear Bottom Parts only, see page 25.







"PHILLIPS" CARRIER CYCLE BRAKE SETS, WITH HEAVY GAUGE ORDINARY HIGH RAISED BENDS 18" WIDE AND STEMS 8" LONG WITH STUD LUGS.

Extra Long Stirrups and large-size Carrier Brake Blocks.

FRONT AND REAR BRAKES
Fitted with Roller Levers on Handlebar.

Clip (A) Fitting Bell Crank.

No. 25/B2455e/802 All Black .. .. .. per set 11/–

With Rear Lever on Right-hand Side.

No. 25/B2455g/805 Black .. .. .. per set 11/4

Bolt (D) Fitting Bell Crank.

No. 25/B2456a/710 Nickel Plated .. .. per set 10/6
25/B2456e/802 All Black .. .. .. ,, 11/–

With Rear Lever on Right-hand Side.

No. 25/B2456g/805 Black .. .. .. per set 11/4

Phillips' Carrier Sets, Nickel Plated, have the Rear Brake parts Black Enamelled.

FRONT AND REAR ROLLER LEVERS AND RODS
(less bottom parts), fitted on Handlebar.

No. 25/B2455s/604 All Black .. .. .. per set 8/

With Rear Lever on Right-hand Side.

No. 25/B2455w/607 Black .. .. .. per set 8/

FRONT AND REAR BOTTOM PARTS ONLY

Clip (A) Fitting Bell Crank

No. 25/B2457a/410 Nickel Plated .. .. per set 6/
25/B2457e/410 All Black .. .. .. ,, 6/

Bolt (D) Fitting Bell Crank

No. 25/B2458a/410 Nickel Plated .. .. per set 6/
25/B2458e/410 All Black .. .. .. ,, 6/

–/6 Extra for all Handlebars fitted with Expander Bolts (where not listed) .. per set –/9

"PHILLIPS" EXTRA HEAVY CARRIER CYCLE BRAKE SETS, WITH HEAVY GAUGE ORDINARY HIGH RAISED BENDS 18" WIDE AND STEMS 8" LONG WITH STUD LUGS. Extra Heavy Long Stirrups and large-size Carrier Brake Blocks.

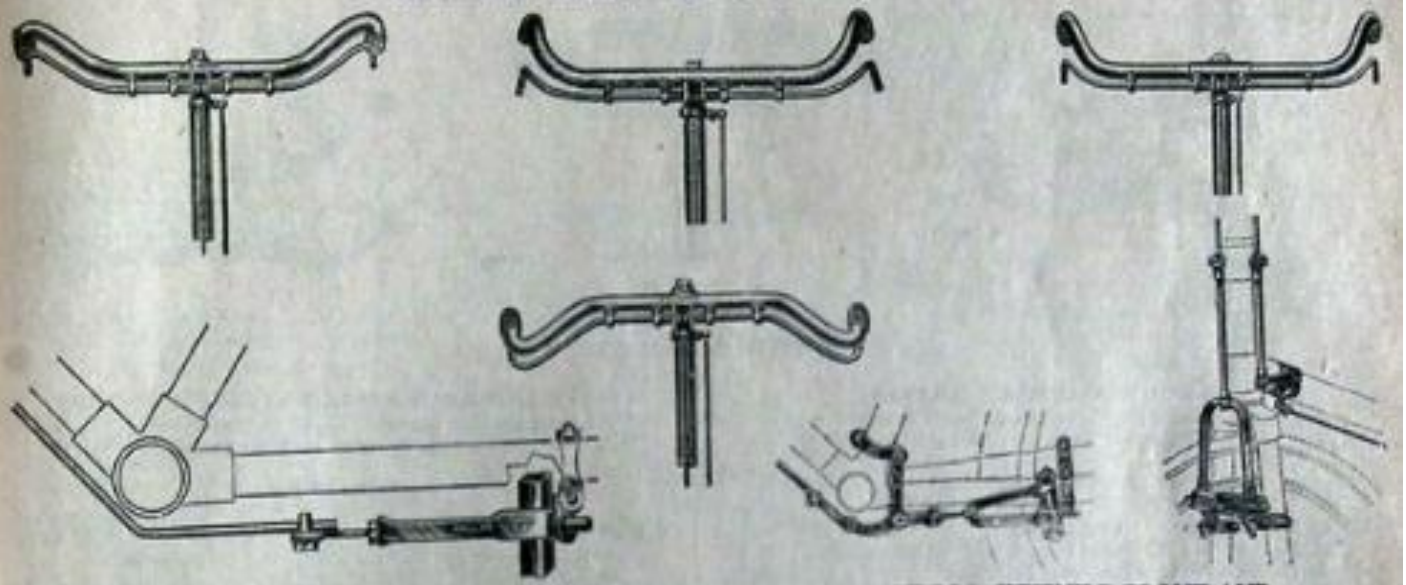
FRONT AND REAR BRAKES, fitted with Roller Levers on Handlebar and 19" long brake tubes. Bolt Fitting Bell Crank.

Specially Suitable for SMALL FRONT WHEEL LOW-GRAVITY CARRIER CYCLES.

No. 25/B2462e/1009 All Black .. .. .. per set 14/6

BRAKES—*continued*

ROLLER LEVER BRAKES FOR JUNIOR BICYCLES.



PHILLIPS' "PHILCO" JUNIOR FRONT AND REAR BRAKES

Fitted with Roller Levers on ⅞" dia. Handlebar. 14½" wide. ⅜" stem fitted with expander bolt. For 5" heads with ⅜" bell crank lever clip, ⅜" "D" fork clips, with rear down rod under bracket to stirrup. Round peg guides. Chromium Plated.

Ordinary Raised.

No. 25/B2595d/511½ .. .. per set 8/-

North Road Raised.

No. 25/B2596d/602 .. .. per set 8/4

North Road Dropped.

No. 25/B2597d/602 .. .. per set 8/4

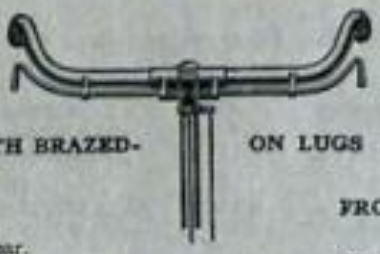
"VINDEC" JUVENILE FRONT AND REAR BRAKES

Fitted with Roller Levers on ⅞" dia. Handlebar, without expander bolt. For 6" heads, with rear down rod and hanger bracket to stirrup.

14½" Ordinary Raised.

(With Rear Lever on Left-hand side).

No. 25/B2588a/604½	Nickel Plated	per set	8/6
25/B2588a/603½		lots of 1 doz. „	—
25/B2588c/609½	Chromium Plated		9/1



WITH BRAZED-ON LUGS

FRONT AND REAR BRAKES

Fitted with Roller Levers on Handlebar.

FRONT AND REAR ROLLER LEVERS AND RODS

Fitted on Handlebar (less bottom parts).

"BRONKO"

18" Ordinary Raised.

			per set
No. 25/B2650a/901	Nickel Plated		12/2
25/B2650b/903½	Nickel Plated, with expander bolt		12/6
25/B2650e/905	All Black		12/8

18" Ordinary Raised.

			per set
No. 25/B2650m/802	Nickel Plated		10/11
25/B2650n/804½	Nickel Plated, with expander bolt		11/3
25/B2650s/807	All Black		11/5

"VINDEC" CARRIER CYCLE BRAKE SETS, WITH EXTRA HEAVY GAUGE BENDS AND STEMS, BRAZED-ON LUGS, SPOON-END LEVERS, AND ⅛" BRAKE RODS.

Extra Heavy Stirrups and large size Carrier Brake Blocks. Bolt Fitting Bell Crank ½" × 2".

18" Ordinary High Raised, with 10" Stem, with Front and Rear Brakes.

	Rear on Left.		Rear on Right.	
No. 25/B2675a/1300	Nickel Plated	per set 17/6	No. 25/B2676a/1300 Nickel Plated	per set 17/6

-/6 Extra for all Handlebars fitted with Expander Bolts (when not listed) .. .. .. per set -/9

BRAKE BLOCKS
ASBESTOS



Grooved Section

No.
25/B3004a/*103* doz. pairs 2/-
25/B3004a/*1400* gross „ —



Round Top

No.
25/B3004b/*103* doz. pairs 2/-
25/B3004b/*1400* gross „ —



Wedge Type (wide section)

No.
25/B3004c/*103* doz. pairs 2/-
25/B3004c/*1400* gross „ —

ASBESTOS BRAND GREY FIBRE BRAKE BLOCKS



For Bowden and Vindec Carrier Cycle Brakes.

No.
25/B3004e/*2* .. per pair -/1
25/B3004e/*110* doz. pairs —



Flat Top (wide section)

No. 25/B3004f/*103* per doz. pairs 2/-
25/B3004f/*1400* per gross „ —



Wedge Type (narrow section)

No. 25/B3004g/*103* per doz. pairs 2/-
25/B3004g/*1400* per gross „ —



B.B.L.



For Raleigh, Yoke and Hinge, or Singer Pattern Brakes.

No. 25/B3004r/*103* per doz. pairs 2/-
25/B3004r/*1400* per gross „ —

On showcards containing 1 doz. pairs, assorted patterns.

No. 25/B3004x/*106* per card 2/-
25/B3004x/*1706* per doz. cards —

"FERODO"



"FERODO" (No. 33)
Round Top
Wide Section.

No.
25/B3006b/*300* doz. pairs 5/-



"FERODO" (No. 51A)
Flat Top
Wide Section.

No.
25/B3006f/*300* doz. pairs 5/-



"FERODO" (No. 53)
Wedge Type (narrow section).

No.
25/B3006g/*300* doz. pairs 5/-



"FERODO" (No. 52)
Wedge Type (wide section)

No.
25/B3006h/*300* doz. pairs



"FERODO" (No. 16A)
Grooved Top. 1¼" long.
For Rear Calliper Brakes.

No.
25/B3006k/*300* doz. pairs 5/-



"FERODO" (No. 56)
For B.S.A.

No.
25/B3006L/*300* doz. pairs 5/-



"FERODO" (No. 57B)
For Raleigh Carrier.
Flat Top. 2½" long.

No.
25/B3006m/*403* doz. pairs 7/-



"FERODO" (No. 63)
For Allday's and Warwick Carrier Tricycles, Flat Top.

No.
25/B3006p/*300* doz. pairs 5/-

NOTE:—"Ferodo" Brake Blocks are made from a new waterproof material and packed in boxes of 6 pairs, each pair being banded and marked with numbers for attaching to strong show display card with identification chart on back. **Cards supplied free with orders for one dozen pairs.** **See next page for Illustration.**

BRAKE BLOCKS ("FIBRAX")—*continued*



"FIBRAX" BRAKE BLOCKS

On Showcards (No. 1).

1 doz. pairs assorted, 12 popular patterns.

No. 25/B3011a/*304* .. per card 5/-

On Showcards (No. 2).

1 doz. pairs assorted patterns (Nos. 3, 21, 145).

No. 25/B3011b/*304* .. per card 5/-

"FIBRAX" BRAKE BLOCK SHOW DISPLAY AND STOCK METAL CABINET

Attractively enamelled in three colours. With Glass Top and Front, contents easily seen and sold, pull-out drawers with ten compartments each to hold three to six pairs of blocks.

CABINET No. 1

Complete with 99 Pairs Brake Blocks. Comprising Pattern Numbers: 3, 21, 51, 70, 70/2, 71, 105, 130, 237, 250, 251, 253, 258 and 260, also three pairs of No. 3 Brake Shoes and 8 Pairs Hub Brake Liners and Rivets, Assorted.

No. 25/B3011p/*3800* .. per Cabinet, Complete 61/4

CABINET No. 2

Complete with 102 Pairs Brake Blocks. Comprising Pattern Numbers: 3, 21, 51, 67, 70, 71, 105, 144, 145, 250, 258 and 260.

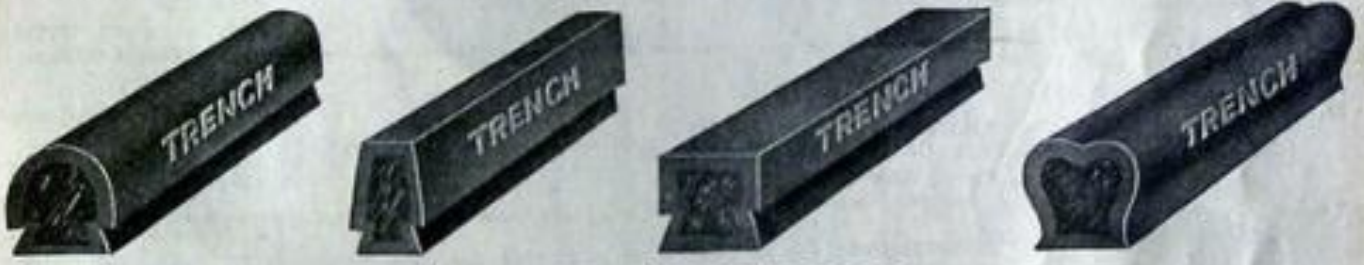
No. 25/B3011r/*3400* .. per Cabinet, Complete 54/10

CABINET No. 3

Complete with 21 Pairs Brake Blocks. Comprising Pattern Numbers: 3, 21, 70, 250, 260, 260/2½ and 258, also three pairs of No. 3 Brake Shoes and 8 Pairs Hub Brake Liners and Rivets, Assorted.

No. 25/B3011s/*1600* .. per Cabinet, Complete 25/2





"TRENCH" CYCLE BRAKE BLOCKS

Manufactured from a mixture of Canvas, Rubber and Fibre Centres, Red Rubber Covered.

Round Type (Wide Section).
No.
25/B3014a/*200* doz. pairs 4/-
25/B3014a/*2300* gross pairs —

Wedge Type (Narrow Section).
No.
25/B3014b/*200* doz. pairs 4/-
25/B3014b/*2300* gross pairs —

Wedge Type (Wide Section).
25/B3014h/*200* doz. pairs 4/-
25/B3014h/*2300* gross pairs —

Flat Top (Wide Section).
No.
25/B3014c/*200* doz. pairs 4/-
25/B3014c/*2300* gross pairs —

For Hercules.
Narrow Section, Deep.
25/B3014L/*200* doz. pairs 4/-
25/B3014L/*2300* gross pairs —

For Caliper Brakes
No.
25/B3014d/*200* doz. pairs 4/-
25/B3014d/*2300* gross pairs —

"B.B.L." RUBBER



RUBBER, ROUND TOP

Wide section.

Medium Quality. Red.
No.
25/B3020a/*10* doz. pairs 2/-
25/B3020a/*906* gross pairs —

Extra Fine Quality. Grey.
No.
25/B3020b/*203* doz. pairs 3/6



RUBBER, ROUND TOP

Popular Quality.
Grey.
No.
25/B3020c/*8* doz. pairs 1/-
25/B3020c/*706* gross pairs —

Red
No.
25/B3020d/*8* doz. pairs 1/-
25/B3020d/*706* gross pairs —



GREY RUBBER, WEDGE TYPE

Narrow section.

Popular Quality.
No.
25/B3020g/*8* doz. pairs 1/-
25/B3020g/*706* gross pairs —



GREY RUBBER, WEDGE TYPE

Medium Quality

Wide section.
No.
25/B3020h/*10* doz. pairs 1/6
25/B3020h/*903* gross pairs —

Popular Quality.
Red
No.
25/B3021h/*8* doz. pairs 1/-
25/B3021h/*706* gross pairs —

Grey.
No.
25/B3021k/*8* doz. pairs 1/-
25/B3021k/*706* gross pairs —

BRAKE CABLES

COMBINED BLACK ENAMELLED OUTER CABLE.



With lever end round nipple, adjusting screw and nut, inner wire with nipples soldered on each end, for cable cycle brakes, ready for fitting.

"B.B.L."

Less Cable Stop, suitable for 25/B1330a, b, d, e, L and m "Lion" Central Pull Brakes.

Special Line.

For Front.

No. 25/B3044d/4 .. .. each –/6
25/B3044d/306 per doz. —

For Gent.'s Rear.

No. 25/B3044e/5 .. .. each –/7½
25/B3044e/406 per doz. —

For Ladies' Rear.

No. 25/B3044f/6 .. .. each –/9
25/B3044f/505 per doz. —

With lever end cup nipple, adjusting screw and nut, inner wire with nipples soldered on each end, for cable cycle brakes, ready for fitting.

"B.B.L."

Less Cable Stop, suitable for **Central Pull** Brakes.

Special Line.

For Gent.'s Front, 1' 9" long.

No. 25/B3045a/3½ .. .. each –/5
25/B3045a/300 per doz. —

For Gent.'s Rear, 3' 9" long.

No. 25/B3045b/5 .. .. each –/7
25/B3045b/403 per doz. —

For Ladies' Rear, 5' 3" long.

No. 25/B3045c/6 .. .. each –/8
25/B3045c/503 per doz. —

Phillips' (Genuine).
For "Philco."

For Gent.'s Front.

No. 25/B3045g/5 .. .. each –/8
25/B3045g/400 per doz. —

For Gent.'s Rear.

No. 25/B3045h/6½ .. .. each –/9
25/B3045h/503 per doz. —

For Ladies' Rear.

No. 25/B3045k/7 .. .. each –/11
25/B3045k/703 per doz. —

"B.B.L."

With Cable Stop suitable for **Side Pull** Brakes.

Ready for fitting.

Special Line.

For Gent.'s Front, 1' 9" long.

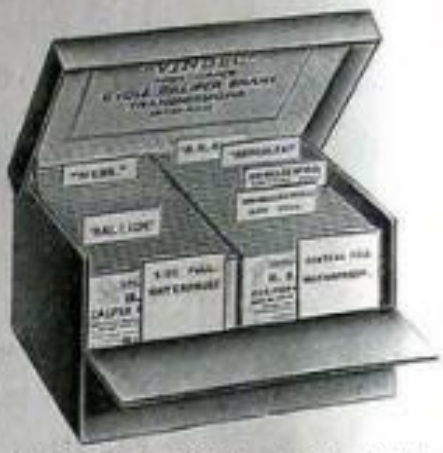
No. 25/B3045d/4½ .. .. each –/6½
25/B3045d/400 per doz. —

For Gent.'s Rear, 3' 9" long.

No. 25/B3045e/6 .. .. each –/8
25/B3045e/502 per doz. —

For Ladies' Rear, 5' long.

No. 25/B3045f/7 .. .. each –/9
25/B3045f/603 per doz. —



"VINDEC" INNER AND OUTER COMBINED WATERPROOF AND ENAMELLED RIM BRAKE CABLES.

Display box containing **50 Assorted** Cables to suit popular makes of Brakes, and those fitted to company-built machines. Box made of wood and leatherette covered, with contents printed on back. Only cables in everyday demand included. Each cable packed in transparent waterproof envelope plainly marked with contents.

No. 25/B3042/2706 .. .. per box 4

For "Tabucchi" Ambra Superga Dural Brake.

Aluminium finish casing.

Front for Gent.'s or Ladies' Machine.

No. 25/B3044t/10 .. each 1

Rear for Gent.'s Machine.

No. 25/B3044w/100 .. each 1/

"PHILLIPS'" GENUINE COMBINED WATERPROOF-COVERED OUTER CABLE AND INNER WIRE.

Phillips'. Black Casing.

For Sellwell Brakes (up to 1933).

For Gent.'s Front.

No. 25/B3046g/6 .. .. each –/9
25/B3046g/504 per doz. —

For Gent.'s Rear.

No. 25/B3046h/9 .. .. each 1/–
25/B3046h/800 per doz. —

For Ladies' Rear.

No. 25/B3046k/10 .. .. each 1/3
25/B3046k/900 per doz. —

With Round End Pattern Lever End Nipples.

To suit Phillips' No. 3 Levers. For Sellwell Brakes' 1934 Pattern.

For Gent.'s Front.

No. 25/B3046gg/6 .. .. each –/9
25/B3046gg/504 per doz. —

For Gent.'s Rear.

No. 25/B3046hh/9 .. .. each 1/–
25/B3046hh/800 per doz. —

For Ladies' Rear.

No. 25/B3046kk/10 .. .. each 1/3
25/B3046kk/900 per doz. —

To suit "Phillite" and "Grand Vitesse" Side Pull Brakes.

For Front.

No. 25/B3045L/6 .. .. each
25/B3045L/507 per doz.

For Gent.'s Rear.

No. 25/B3045m/9 .. .. each
25/B3045m/800 per doz.

For Ladies' Rear.

No. 25/B3045n/100 .. .. each
25/B3045n/1103 per doz.

COMBINED WATERPROOF-COVERED OUTER CABLE WITH LEVER END CUP NIPPLE, ADJUSTING SCREW AND N



For Side Pull Brakes (with Cable Stop).

With Nipples and Adjuster Screw and Nut.

For "Vindec" or "Webb" Brakes. 25/B1323b, e, m.

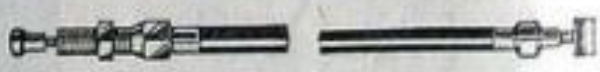
"B.B.L."

No. 25/B3042g/5 For Front .. .. .. each –/9
25/B3042h/8 For Gent.'s Rear 1/–
25/B3042k/10 For Ladies' 1/3

Terry's.

No. 25/B3035a/7 For Front, No. 1285 .. .. each –/10½
25/B3035b/10 For Gent.'s Rear, No. 1285A .. 1/3
25/B3035c/100 For Ladies' Rear, No. 1285B .. 1/6

INNER WIRE WITH NIPPLES SOLDERED ONE E END, FOR CABLE CYCLE BRAKES READY FOR FITTI



"B.B.L."

SPECIAL LINE.

For Central Pull Brakes (less Cable Stop).

For Gent.'s Rear, 3' 9" long.

No. 25/B3042b/8 .. .. each
25/B3042b/709 per doz.

BRAKE CABLES, ETC.—*continued*



"RESILION"
CANTILEVER BRAKE CABLE

Waterproof covered.

Complete unit with springs, junction box, adjusters and all nipples soldered on.

For Front Brakes.
No. 25/B3047L/*207* .. each 3/10

For Gent.'s Rear Brakes.
No. 25/B3047m/*300* .. each 4/6

For Ladies' Rear Brakes.
No. 25/B3047n/*304* .. each 5/–

For Two-Gent.'s Tandem Brakes.
No. 25/B3047p/*309* .. each 5/6

For Front Tandem.
No. 25/B3047t/*308* .. each 5/6



BRAKE CABLE CUP NIPPLES

For enamelled or waterproof casing.

For Phillips' brakes.
No. 25/B3051c/*6* .. per doz. –/9

For "Resilion" Brakes.
Blued Finish.
No. 25/B3051e/*9* .. per doz. 1/–



BRAKE BOLTS, Plated, in Box of One Gross Assorted, fitted with Nuts, some with washers.

Comprising 17 patterns for Brake eyes, Shoes, Caliper levers and clips, stirrups and stirrup clips, Pull-up levers and stem clips.

(Everyday requirements.)
No. 25/B3040a/*906* .. per box 14/6

"RESILION"
RECONDITIONED CABLES

Waterproof Covered for Cantilever and Cantilette Brakes.

Complete unit with springs, junction box, adjusters and all nipples soldered on.

For Front.
No. 25/B3048a/*108* .. .. each 2/6

For Gent.'s Rear.
No. 25/B3048b/*108* .. .. each 2/6

For Ladies' Rear.
No. 25/B3048c/*108* .. .. each 2/6

For Front Tandem.
No. 25/B3048k/*108* .. .. each 2/6

For Two-Gent.'s Tandem.
No. 25/B3048L/*108* .. .. each 2/6

Important.

We have now made arrangements with the Resilion Co. whereby we can exchange, from stock, **broken or worn cables for Reconditioned Cable Units at the above prices.**

"RESILION"
ANCHOR BRAKE CABLES

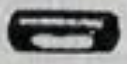
Complete with adjusting screw and nut with nipples soldered on.

For Front.
No. 25/B3049a/*100* .. .. each 1/6

For Gent.'s Rear.
No. 25/B3049b/*100* .. .. each 1/6

For Ladies' Rear.
No. 25/B3049c/*102* .. .. each 1/9

FERRULES
For Waterproof Outer Cable.



Cycle Size No. 1.
No. 25/B3051g/*4* .. .. per doz. –/8
25/B3051g/*310* per gross —



"ROSA"
CENTRE CABLE ADJUSTER

2¼" overall. Chromium Plated.
No. 25/B3051w/*6* .. .. each –/9



"RESILION"
BRAKE CABLE NIPPLE BARS

Black only.

For Model Cantilever Brakes.

1¼" long for Front.
No. 25/B3052f/*400* .. .. per doz. 6/–

¼" long for Rear.
No. 25/B3052g/*400* .. .. per doz. 6/–



BLACK COVERED WATERPROOF OUTER CABLE only, for Cable Cycle Brakes.

Best Quality.

No. 25/B3050a/*203* 12' length each 3/6
25/B3050b/*402* 25' 6/–
25/B3050c/*800* 50' 12/–
25/B3050d/*1500* 100' 22/6

Silver Finish.

As used on Continental Racing Brakes.

25' lengths.
No. 25/B3050L/*400* .. each 6/–

Duralumin Metal Outer Cable. (Foreign.)

25' length.
No. 25/B3050x/*500* .. each 7/6



BRAKE CABLE CUP NIPPLES

To fit into Levers, and for use of outer cable to fit into

Large size, for waterproof covered
No. 25/B3051a/*6* .. per doz. –/9

Small size, for enamelled casing
No. 25/B3051b/*6* .. per doz. –/8

Nickel Plated for Raleigh.
No. 25/B3051r/*6* .. per doz. –/8



"TERRY'S" FERRULES

For Waterproof Outer Cable.

In boxes of 1 Gross assorted.

Sizes Nos. 0, 1 and 2.
No. 25/B3051L/*406* .. per box



NUTS FOR CYCLE BRAKE BOLTS

Plated, in Box of One Gross Assorted

Comprising 7 patterns in various sizes of threads, suitable for the principal nuts of Brake work.

No. 25/B3041z/*403* .. per box

BELL CRANK CLIPS AND BRAKE LEVERS





BELL CRANKS
For " Vindec " and " Phillips " Rear Pull-up or Roller Brakes.
Black Enamelled.
Complete with bolts and nuts (as Illustrated).

Clip Fittings for 1⅛" Tubes.

No. 25/B3064f/4 — For left-hand side fitting. — each -/6
25/B3064f/306 — per doz. —

No. 25/B3064g/4 — For right-hand side fitting. — each -/6
25/B3064g/306 — per doz. —

Bolt Fitting. ⅜" dia. × 2" long.

No. 25/B3064c/4 — For left-hand side fitting. — each -/6
25/B3064c/303 — per doz. —

No. 25/B3064d/4 — For right-hand side fitting. — each -/6
25/B3064d/303 — per doz. —



HEXAGON HEAD BELL CRANK BOLTS
with round shoulders, round Screwed washers, Plain washers, and Hexagon nut, for Phillips' Brakes.

⅜" dia. × 2" long.

No. 25/B3066p/3 — each -/4½
25/B3066p/209 — per doz. —



HEXAGON HEAD BELL CRANK BOLTS
with round shoulders, shaped Collar washers, Plain washers, and Ordinary Hexagon nut for Phillips' Brakes.

⅜" dia. × 2" long.

No. 25/B3066a/3 — each -/4½
25/B3066a/209 — per doz. —







BRAKE LEVERS, PULL-UP, ASSEMBLED COMPLETE WITH CLIP, SPRING AND ROD (less Bottom Parts), NICKEL PLATED

LONG, FOR ORDINARY RAISED
For " Vindec " and " Phillips."

No. 25/B3078a/11 — Front .. each 1/5
25/B3078f/100 — Rear 1/6

SHORT STRAIGHT, FOR ORDINARY RAISED, FLAT OR DROPPED
For " Vindec " and " Phillips."

No. 25/B3079a/11 — Front .. each 1/5

SHORT CRANKED FOR DROPPED
For " Vindec," " Phillips " and No. 21 Toggle.

No. 25/B3080a/9 — Front .. .. each 1/2

SHORT STRAIGHT, WITH HANDLEBAR FITTING
For " Vindec " and " Phillips."

No. 25/B3081a/11 — Front .. each 1/5



ROLLER BRAKE LEVERS (Band Clip Fitting), assembled complete with 2 Band Clips, Spring, and Lever Stop, Nut and Washer.
Nickel Plated.

No. 25/B3085b/101 — " Vindec " Front ea. 1/8
25/B3085f/101 — " Vindec " Rear .. 1/8

ROLLER BRAKE LEVERS (Stud Lug Fitting), complete with Nut and Washer only, for fitting to Brakes of the Stud Lug type.

Front—For " Vindec " and " Phillips."

Ordinary Raised
Nickel.
No. 25/B3087a/8 .. .. each 1/1
Chromium.
25/B3087b/9 .. .. each 1/2
North Road Raised
No. 25/B3087n/9 .. .. each 1/3

Rear—For Left-hand Fitting, " Vindec " and " Phillips."

Ordinary Raised
Nickel.
No. 25/B3088a/8 .. .. each 1/1
Chromium.
25/B3088b/9 .. .. each 1/2
North Road Raised
Nickel.
No. 25/B3088n/9 .. .. each 1/3
North Road Dropped
Nickel.
No. 25/B3088p/9 .. .. each 1/3



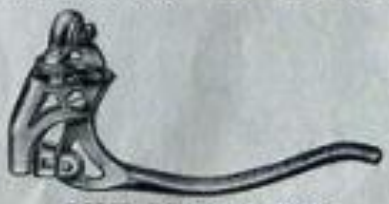
SOLID BRAKE LEVERS
Complete with Clip for Caliper Brakes.
For Phillips' " Apollo," " Sellwell," " Philite," " Agrippa " and " Philco."

No. 25/B3093l/100 — Nickel each 1/5
25/B3093m/103 — Chromium .. 1/7

For " Vindec " or " Webb."
Chromium Plated.
As fitted to 25/B1323b-e and m Brakes.
No. 25/B3090b/106 .. .. each 2/-



SOLID BRAKE LEVERS
Complete with Clip.
Standard pattern for Monitor Super Cam.
Chromium Plated.
No. 25/B3090t/108 .. .. each 2/3



SOLID BRAKE LEVERS
Complete with Clip.
Sports pattern for Monitor Super Cam.
Chromium Plated.
No. 25/B3090s/108 .. .. each 2/3

BRAKE LEVERS—*continued.* BRAKE LEVER CLIPS AND BOLTS



"BARROS" DUPLEX BRAKE LEVER
Complete with ⅞" clip. Prov. Patent.
With two-hole shackle to take front and rear cables with round end nipples.
By slight touch of the hand on duplex lever, equal power and pressure is applied to both front and rear rims, thus eliminating skids on the wettest roads. Should one cable break the other can still be used. Specially suitable for cycle and tandem riders.
Chromium Plated.
No. 25/B3091a/*203* .. .. each 3/3



EBONITE COVERED PLATED METAL LEVER AND CLIP
Complete for Cable Brakes.
Phillips' "Sellwell" or "Philco"
No. 25/B3092a/*100* .. .. each 1/6



"RESILION" CANTILEVER BRAKE LEVERS ONLY
For Cantilever and Cantilette Brakes.
Ordinary Pattern.
No. 25/B3097b/*101* Chromium each 1/7



"RESILION" CANTILEVER BRAKE LEVERS
Complete with ⅞" Clip, Bolt, Nut and Clamp Block.
For Cantilever and Cantilette Brakes.

Ordinary Pattern.

No. 25/B3096a/*108*	Nickel	each	2/6
25/B3096b/*200*	Chromium	,,	3/-
25/B3096c/*108*	Black	,,	2/6

Cranked Pattern, Right Hand.

No. 25/B3096d/*108*	Nickel	each	2/6
25/B3096e/*200*	Chromium	,,	3/-
25/B3096f/*108*	Black	,,	2/6

Cranked Pattern, Left Hand.

No. 25/B3096g/*108*	Nickel	each	2/6
25/B3096h/*200*	Chromium	,,	3/-
25/B3096k/*108*	Black	,,	2/6



"RESILION" CANTILEVER COUPLED BRAKE LEVERS
Complete with ⅞" Clip, Bolt, Nut and Clamp Block.
Ordinary pattern with additional lug for use with coupling front and rear brakes to work on one lever.
Chromium.
No. 25/B3096m/*208* .. .. each 4/-



"CYCLO ROSA" RUSTLESS SOLID BRAKE LEVER AND ⅞" CLIP
Chromium.
No. 25/B3095e/*104* .. each 2/-



METAL LEVER AND CLIP
Complete.
For "Lion" Brakes.
Nickel Plated.
No. 25/B3194d/6 .. ..
Chromium Plated.
No. 25/B3194e/8 .. ..
For "Wissner" Brakes. (Fore...
No. 25/B3094w/*109* .. ..



"C"
"RESILION" CANTILEVER BRAKE LEVERS ONLY
For Cantilever and Cantilette Brake.
"C" Curved Pattern.
Chromium.
No. 25/B3097L/*101* .. .. each 1/7



LEVER CLIP ONLY
Less Bolts and Nuts.
For "Phillips" Brakes.
No. 25/B3098a/*200* .. .. per doz. 3/-

LEVER CLIPS for Roller Brakes
Suitable for all regular makes of Roller Brakes.
Nickel Plated. To fit ⅞" Bars and ⅞" Levers.



No.
25/B3098k/*2* each -/4
25/B3098k/*200* doz. —



BOLT AND HEXAGON
For "Phillips" Caliper and Brake Levers.
Nickel. ⅞" long × ...
No. 25/B3099a/*100* ..

BOLT AND HEXAGON NUT



For "Phillips" Pull-up Brake lever.
Nickel. ⅞" long × ¼".
No. 25/B3099p/*103* doz. 2/6



For "Phillips" Pull-up Handle-bar stem clips.
Nickel. 1⅛" long × ⅞".
No. 25/B3099e/*103* doz. 2/6



No.
25/B3098m/*2* each -/4½
25/B3098m/*209* doz. —

For "Phillips" Caliper and Sellwell Brake lever clips.
Nickel. ⅞" long × ⅜".
No. 25/B3099b/9 .. doz. 1/6
For "Phillips" Brake Levers No. 25/B3093m.
Chromium Plated. ⅞" long × ⅜".
No. 25/B3099d/*100* per doz. 1/6

BRAKE LEVER CLIPS AND RODS, ETC.



STUD LUGS

With Collar and Screwed Nut for Roller Lever Brakes.

" Vindec," " Phillips " and " Crabbe."

Nickel Plated.

No. 25/B3146f/100 .. per doz. 3/6

Chromium Plated.

No. 25/B3146g/200 .. per doz. 4/-



BRAKE RODS, with Lugs and Lever Stop, Nickel Plated, for **Front** Roller Lever Brakes.

For **Front** on **Right-hand** side.

" Vindec," " Phillips " and " Crabbe."

Nickel Plated.

No. 25/B3149L/200 .. per doz. 4/-

Chromium Plated.

No. 25/B3149r/3 .. .. each -/6

For **Front** on **Left-hand** side.

" Vindec," " Phillips " and " Crabbe."

Nickel Plated.

No. 25/B3149m/200 .. per doz. 4/-

Chromium Plated.

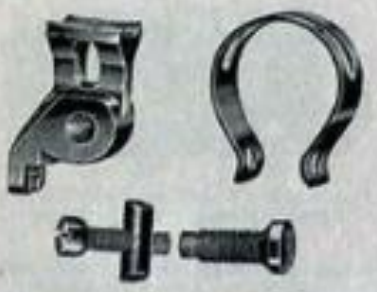
No. 25/B3149n/3 .. .. each -/6



BRAKE ROD, with Top Lug (to rivet in), Chromium Plated, for **Rear** Pull-up Brakes.

To fit " Vindec " and " Phillips."

No. 25/B3150f/200 .. per doz. 4/-



RESILION LEVER BAND CLIP FOR CANTILEVER AND CANTILETTE BRAKES, 1935/8 PATTERN

With Bolt and Half Round Nut, centre block piece and lever bolt complete.

No. 25/B3100b/100 All Black each 1/6

Black and Chromium.

No. 25/B3100c/11 .. .. each 1/4

Lever Band Clip only.

No. 25/B3100e/4 Black .. each -/5

25/B3100f/5 Chromium .. .. -/7

Clip Bolt and Half-Round Nut for Band Clip.

No. 25/B3100h/3 Black .. each -/4

25/B3100k/4 Chromium .. .. -/6

Lever Bolt only.

No. 25/B3098r/3 Black .. each -/4

25/B3098s/4 Chromium .. .. -/6

Lever Clip Liner

No. 25/B3098t/8 .. per doz. 1/-

Centre Block Piece, Black only.

No. 25/B3100w/4 .. .. each -/5



DOWN TUBE FRAME RODS, with Lug and Rivet for **Rear** Brakes.

To suit " Marco," " Vindec," " Crabbe," and " Phillips."

No. 25/B3153f/200 .. per doz. 5/-



BRAKE ROD, with Lug (to rivet in), Chromium Plated, for **Front** Pull-up Brakes.

" Vindec," " Phillips."

No. 25/B3149f/200 .. per doz. 3/-



BRAKE ROD, with Lug and Screw, **Chromium Plated**, for Roller Lever Brakes.

No. 25/B3149k/200 **Front** per doz. 3/-



BRAKE ROD, with Lug and Lever Stop, for **Rear** Roller Brakes.

For **Rear** on **Left-hand** side.

" Vindec," " Phillips " and " Crabbe."

Nickel Plated.

No. 25/B3151a/200 .. per doz. 4/-

Chromium Plated.

No. 25/B3151c/3 .. .. each -/6

For **Rear** on **Right-hand** side.

" Vindec," " Phillips " and " Crabbe."

Nickel Plated.

No. 25/B3151L/200 .. per doz. 4/-

Chromium Plated.

No. 25/B3151m/3 .. .. each -/6

BRAKE SHOES WITH BLOCKS



Fitted with Rubber Blocks.

Wide section.

Complete with plated bolts, nuts and washers.

Nickel Plated.

No. 25/B3165a/200 per doz. pairs 3/9

All Black.

No. 25/B3165c/200 per doz. pairs 3/9



Fitted with Asbestos Brand Grey Fibre Blocks. Narrow section.

Complete with plated bolts, nuts and washers. Nickel Plated.

No. 25/B3165d/300 per doz. pairs 6/-



Fitted with Rubber Blocks.

Narrow section.

Complete with plated bolts, nuts and washers.

Nickel Plated.

No. 25/B3165g/200 per doz. pairs 3/9

All Black.

No. 25/B3165k/200 per doz. pairs 3/9

BRAKE SHOES WITH BLOCKS—*continued*



Fitted with Rubber Blocks

Grooved section, complete with bolts, nuts and washers.

Short pattern, 1⅛" long.

Specially for Fairycycle Brakes.

No. 25/B3165t/8 Black per pair -/11

For various makes of Toy Cycles.

No. 25/B3165w/3 Plated per pair -/4½



Fitted with "Fibrax" Blocks

Narrow section.

Complete with plated bolts, nuts and washers. Nickel Plated.

No. 25/B3166m/409 per doz. pairs 6/6



"JOHN BULL" BRAKE SHOES, BLACK ENAM., FITTED WITH BLOCKS FOR RALEIGH

Complete with bolts, nuts and washers. Packed on Show Cards of 1 doz. pairs.

No. 25/B3167d/504 .. per card 8/-



B.S.A. DETACHABLE BRAKE SHOES, Oxidized finish, fitted with Rubber Blocks

For Front Brake.

No. 25/B3171a/101 .. per pair 1/5



Fitted with Asbestos Brand Grey Fibre Blocks. Wedge Type

Wide section.

Complete with plated bolts, nuts and washers. Nickel Plated.

No. 25/B3166n/300 per doz. pairs 4/6



BRAKE SHOES. Fitted with "Fibrax" Blocks. Wedge Type

Wide section.

Complete with plated bolts, nuts and Star pattern washers. Nickel Plated.

Packed in boxes of 1 dozen pairs.

No. 25/B3166p/409 per doz. pairs 6/6



BRAKE SHOES, Plated, in box of 1 doz. pairs assorted, fitted with Rubber, Asbestos and "Fibrax" Blocks

Comprising 6 patterns, complete with plated bolts, nuts and Star pattern washers.

No. 25/B3166t/400 .. per box 6/-



PHILLIPS' BRAKE SHOES, fitted with Rubber Pads

Complete with bolts and nuts.

Packed on Show Cards of 1 doz. pairs.

Nickel Plated.

Wide. per card

No. 25/B3170a/207½ 4/6

Narrow.

No. 25/B3170b/210½ 5/-

Chromium Plated.

Wide. per card

No. 25/B3170d/211½ 5/-



Fitted with "Fibrax" Blocks

Wide section.

Complete with plated bolts, nuts and washers. Nickel Plated.

No. 25/B3166d/409 per doz. pairs 6/6



BRAKE SHOES, fitted with Rubber Pads

Wide section.

Complete with plated screws and washers. Nickel Plated.

With Round Pads.

No. 25/B3166w/206 per doz. pairs

With Wedge Pads.

No. 25/B3166x/206 per doz. pairs



BRAKE SHOES

Fitted with Carrier Size Block Wedge Type. For Front or "Vindec" Carrier Brakes

Wide Section.

Complete with bolts, nuts and plated washers.

Nickel Plated.

No. 25/B3169a/800 per doz. pairs

All Black.

No. 25/B3169c/800 per doz. pairs



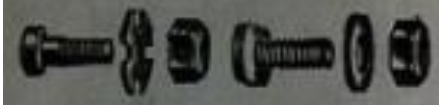
BRAKE SHOES

With Round Studs Riveted in, complete with rubber blocks for 25/B1330a, d and L "Lion" Central Pull Brakes up to 1937–38.

No. 25/B3171L/4 .. per pair

25/B3171L/309 per doz. pairs

BRAKE BOLTS AND SPRINGS, ETC.



BRAKE SHOE SCREWS, NUTS AND WASHERS

Plated. ⅜" × 30 thread.

With Screw-on Star washer.

No. 25/B3176a/9 .. .. per doz. 1/6

With Plain washer.

No. 25/B3176f/8 .. .. per doz. 1/-

"RESILION" BRAKE SHOE NUTS, ⅜".

All Black.

No. 25/B3178c/8 .. .. per doz. 1/-



BRAKE SPRINGS

For Monitor Super Cam Brakes.

Front and Rear.

No. 25/B3184m/2 .. .. each -/4½



BRAKE SPRINGS

For Monitor Climax Brakes.

Front and Rear.

No. 25/B3184n/2 .. .. each -/3

For "Wisner" Caliper Cable Brake. (Foreign.)

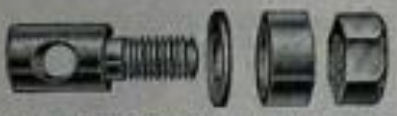
No. 25/B3184x/206 .. per doz. 3/9



LEVER BRAKE SPRINGS

For Rear Pull-up or Roller Bottom Bracket clip fitting "Vindec" and "Phillips'" Brakes.

No. 25/B3185t/8 Plated per doz. 3/-



BRAKE SHOE EYE OR DRAW BOLT

To fit "Lion" Brake Stirrups, complete with collar, washer and hexagon nut.

No. 25/B3180b/204 .. per doz. 3/6



BRAKE SPRINGS

For Phillips' "Philite" or "Agrippa" for Bolt Fitting.

No. 25/B3184w/106 .. per doz. 2/-

For Vindec Brakes 25/B1323b, e, m.

No. 25/B3184x/2 .. .. each -/3

For Radnall "Grip-it" Brakes. Chromium Plated.

No. 25/B3184t/106 .. per doz. 2/6

BRAKE SHOE HOLDER OR SLIDE

For Monitor Super Cam Brakes

No. 25/B3181/2 Black each -/3



LEVER BRAKE SPRINGS

For Front Bar fitting "Phillips'" Brakes.

No. 25/B3185d/9 Plated per doz. 3/-



LEVER BRAKE SPRINGS

For Rear Stem fitting "Vindec" and "Phillips'" Brakes.

No. 25/B3185p/9 Plated per doz. 3/-



LEVER BRAKE SPRINGS

To suit Fairycycle Pull-up Front Brakes.

No. 25/B3185w/300 Plated per doz. 4/-



BRAKE SHOE EYE OR DRAW BOLT

To fit "Phillips'" Brake Stirrup on Apollo, Sellwell and Philco.

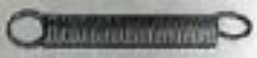
Complete with collar, washer and hexagon nut.

Nickel Plated.

No. 25/B3180g/200 .. per doz. 3/-

Chromium Plated.

No. 25/B3180h/206 .. per doz. 4/-



For Central Pull Brakes

For Phillips' "Sellwell."

No. 25/B3184a/8 Nickel doz. 1/6

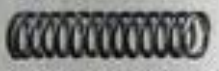
Chromium Plated.

No. 25/B3184b/100 .. .. doz. 2/-

For "Constrictor."

Nickel Plated.

No. 25/B3184c/106 .. .. doz. 2/-



PLUNGER COIL SPRINGS

Plated.

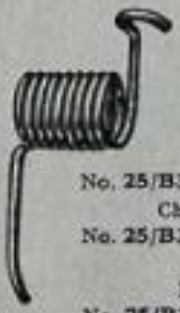
For Spoon Tyre Brakes.

For Fairycycles. 6½" long.

No. 25/B3185x/3 .. .. each -/3

For Various Toy Cycles. 3" long.

No. 25/B3185z/3 .. .. each -/3





FOR "VINDEC," "BRONKO" AND "PHILLIPS'"

Front.

Nickel Plated.

No. 25/B3186a/9 per doz. 3/-

Chromium Plated.

No. 25/B3186c/100 per doz. 4/-

Rear.

Nickel Plated.

No. 25/B3186b/9 per doz. 3/-

Chromium Plated.

No. 25/B3186d/100 per doz. 4/-

Front

CARRIERS (FRONT)—*continued*



TERRY'S CRICKET BAT CYCLE CARRIER CLIPS

For attaching to handlebar and front hub spindle.

No. 25/C123t/*100* .. .. per pair 1/6
25/C123t/*1200* per doz. prs. —



"BROOKES" SPRING-STEEL CAPE CLIP

Blued Finish.

To fit on front mudguard extension. Packed on display cards of 1 dozen.

No. 25/C124/*400* .. .. per card 6/-



POCKET ALUMINIUM FLASKS.

Very light and strong, with cork and retaining chain. (Foreign.)

Small size.
No. 25/C129a/*104* .. each 1/9

Medium size.
No. 25/C129b/*106* .. each 2/-

Large size.
No. 25/C129c/*108* .. each 2/3



SIMPLEX TYPE "TOUR DE FRANCE" FLASK CARRIERS

Continental make. Made from round tinned wire with three metal clips, screws and nuts for handlebar and stem fitting. Complete with polished ribbed aluminium flask with cork.

No. 25/C130k/*206* Single each 4/-
25/C130n/*403* Double .. 6/6

Aluminium flasks ribbed and polished, with corks.

No. 25/C130r/*104* .. .. each 2/-



"CYCLO" FLASK CARRIER

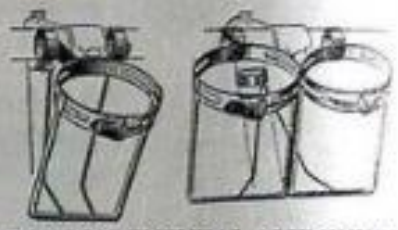
Made from stout round tinned wire, with metal clips for handlebar and forward lug, complete with two Aluminium Flasks, with corks.

Double.
No. 25/C130d/*311* Complete each 5/10

Single.
No. 25/C130e/*203* .. .. each 3/5

Aluminium Flasks only, for above, complete with corks.

No. 25/C130f/*103* .. .. each 1/11



THE CONTINENTAL ALUMINIUM FLASK CARRIERS. (Foreign)

With Special Spring Clip which releases or fastens at slightest pressure, eliminating rattle. Complete with stem and handlebar clips, Aluminium Flask, with cork.

No. 25/C130p/*305* Single .. each 4/6
25/C130s/*600* Double .. each 5/-

Aluminium Flasks only with Cork:
No. 25/C130w/*104* .. .. each 1/9



POCKET ALUMINIUM FLASK

Exceptionally strong, very light, with screw-on cap. (Foreign.)

No. 25/C130z/*108* .. .. each 2/3

REPLACEMENT CORKS TO SUIT ALUMINIUM FLASKS

Small size to fit Cyclo No. 25/C130f and Continental No. 25/C130w.

No. 25/C130t/*103* per doz. 2/-

Large size to fit Aluminium Flasks No. 25/C131h.

No. 25/C131s/*103* per doz. 2/-



TERRY'S LIGHT-WEIGHT SINGLE FLASK CARRIER

With special spring steel band which grips the bottle securely and still enables it to be easily taken out and replaced with one hand when riding.

With clip to fit on handlebar and stem. Rustproof finish, rattle-proof. Each carrier boxed.

Complete less bottle.
No. 25/C131f/*108* .. .. each 2/6

Bottles only to suit above, if customer requires complete send No. 25/C131h

CARRIERS (FRONT)—*continued*



"BROOKES" NON-RATTLE LIGHT-WEIGHT FLASK CARRIER

Made of strong rustless flat wire with cam action quick release grip fitment to release or fasten bottle and also eliminate all rattle. Handlebar leather strap and stem clip fitting.

Single.

No. 25/C131k/*206* With Bottle each 3/6
25/C131L/*100* Without Bottle ,, 1/6

Double. Without Bottles.

No. 25/C131m/*108* .. each 2/6

Double. With Two Bottles.

No. 25/C131n/*408* .. each 6/6

Aluminium bottles only for above.

No. 25/C131h/*106* .. each 2/–
25/C131h/*1700* doz. —



THERMOS CARRIER

Black enamel, with clip to fit on handlebar (less flask). Flask held securely in position by means of a coil spring.

No. — each
25/C132a/*11* 1/5



JTERRY'S TENNIS RACKET OR HOCKEY STICK CARRIER CLIPS

To fit on front fork, does not interfere with the steering, lamp or cyclometer.

Enamelled.

No. 25/C132p/*104* .. .. each 2/–

Plated.

No. 25/C132r/*108* .. .. each 2/6



DUNN'S IMPROVED STOVE CARRIER CLIPS

To fit on handlebar. Specially suitable for carrying Primus and Optimus stoves on cycle. Useful for Touring Cyclists, etc.

Black Enamelled, Size 1 to suit No. 96 Primus and Optimus Stoves.

No. 25/C134a/*9* .. .. each 1/–
25/C134a/*800* per doz. —

Black Enamelled, Size 2 to suit No. 210 Primus and Optimus Stoves.

No. 25/C134b/*9* .. .. each 1/–
25/C134b/*800* per doz. —



"TERRY" PRIMUS STOVE CARRIER SPRING CLIPS

To fit on top tube, with swivel bolt and wing nut. Cadmium Plated. Rustproof finish.

To suit Nos. 96 and 96t Primus Stoves. Small size.

No. 25/C134f/*6* .. .. each –/9

To suit Nos. 210 and 210t Primus Stoves. Large Size.

No. 25/C134g/*6* .. .. each –/9



"B.B.L." STOVE CARRIER CLIPS

Stamped Brass.
Brassed, Polished and Lacquered.

Hinged with bolt and winged nut, suitable for sweating or brazing to Primus stoves, and to fit on top tube of cycle.

No. 25/C134s/*5* .. each –/8



"B.B.L." STOVE CARRIER CLIPS

Brass Polished and Lacquered.

Hinged with bolt and winged nut, suitable for sweating or brazing to Primus stoves, and to fit on top tube of cycle.

Heavy Cast Brass.

No. 25/C134r/*8* .. .. each 1/–



SPRINT WHEEL CRANKED CARRIER BRACKETS

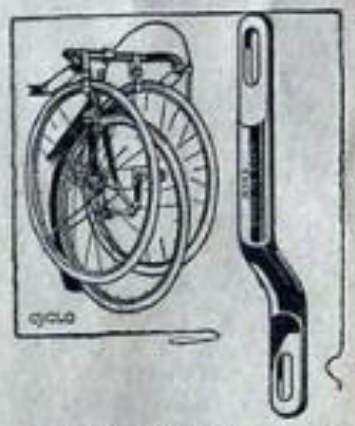
To fit on front hub spindle to carry spare wheels.

Chromium Plated.

No. 25/C136c/*101* .. per pair 1/7

Black Enamelled.

No. 25/C136d/*10* .. per pair 1/3



"ROSA" SPRINT WHEEL CRANKED CARRIER BRACKETS

To fit on front hub spindle and designed to suit 26" or 27" wheels.

Machined, Polished and Chromium Plated. Weight 5 oz. pair

No. 25/C136r/*100* .. .. per pair 1/6

CARRIERS (REAR)—*continued*

STAY CLIP FITTING

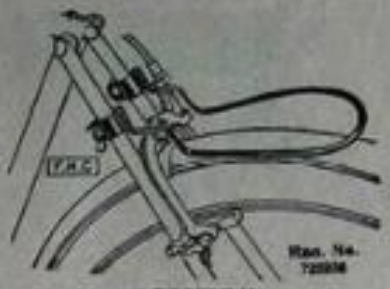


"TERRY" WIRE FRAME CAPE CARRIER

Black enamelled with bolt and wing nut fastening to clip round seat pillar.

Weight 2 oz.

No. 25/C147t/8 each 1/-



"GRUBB" WIRE FRAME CARRIER

To support Touring Bag. Clip to suit Racing pattern round top back stays, and made to clear rear Caliper brake.

No. 25/C148a/9 Ebony each 1/-



THE NEW "GRUBB" WIRE FRAME CARRIER

To support Tourist Bag, with two stay plates, making it very rigid. Side stays have clip, but can be fitted direct to brazed on mudguard eyes. Weight 10 oz., size 11" × 4".

Coaletized and Black Enamelled.

No. 25/C148l/*101* .. .. each 1/6



"BROOKES" WIRE FRAME CARRIER

To support Touring Bag.

Black Enamelled.

With Bottom Stays and Clips.

No. 25/C148p/8 .. .. each 1/-



"MIDLAND" UNIVERSAL

Bag support. Black Enamelled.

With Bottom Stays and Clips.

No. 25/C148w/*10* .. .. each 1/2

25/C148w/*904* per doz. —



BROOKES "HANDY" WIRE BAG SUPPORT

To Clip on Back Stays. Size 9" wide.

Black Enamelled. (No. 29g)

No. 25/C148s/*10* .. .. each 1/3



"BROOKES" NEW CLIPLESS BAG CARRIER SUPPORT (No. 29k)

Designed to spring round seat stays and hold firmly without any clips. Strong single wire carrier with hooked ends covered.

Black enamelled.

No. 25/C148t/*6* .. .. .. each -/9



TUBULAR CAPE AND LEGGE... CARRI...

With neat pouch fitted with two pres... to carry small tools and two 20" st... run through saddle eyelets.

No. 25/T440x/*111* Black Rexine ea...



"MIDLAND" UNIVERSAL IMPROVED BAG SUPPORT

Black Enamelled.

With Bottom Stays and Clips, wide base 13" across, 5½" deep, preventing touring bag from sagging.

No. 25/C148x/*100* .. .. each 1/5

25/C148x/*1106* per doz. —



"TOURIST" BAG SUPPORT (No. 37)

Enamelled with Plated Stay Clips.

No. 25/C149d/*100* .. .. .. each 1/5



"CLUBBER" BAG SUPPORT (No. 34)

Enamelled with Plated Stay Clips

No. 25/C149f/8 .. .. each 1/-

CHAINS (CYCLE)



HUXLEY'S CYCLE SPEED CHAIN

An attachment from the rider to the cycle. This speed chain has been tried out and adopted by many prominent riders who have found that it promotes greater speed with less effort and reduces fatigue when hill climbing.

Complete with clip and hook for attaching to top tube and belt of cyclist.

Each chain packed in carton with fitting instructions.

No. 25/C300/8 Nickel plated .. .. each 1/-



"VINDEC" SOLID ROLLER CYCLE CHAIN

High Grade, Thoroughly Tested. Breaking Strain over ½ ton. Perfectly riveted with Free-running Rollers. With Bolt and Nut Fastening. BRITISH MAKE.

No. 25/C320r/110½ ½" pitch × ⅛" × 5' 0" or 120 links each 2/9
25/C320r/110 Lots of 12 .. —



THE "COVENTRY" BLOCK CHAIN

With Bolt and Nut Fastening.

No. 25/C345g/1309 1" × ½" × 5' or 60 links (135040) each 18/4
25/C345r/1500 1" × ⅝" × 5' or 60 .. (135041) .. 19/7

"RENOLD-ELITE" CYCLE CHAIN

With Spring Clip Fastening.





½" × ½". No. 111044.

No. 25/C346a/208½ 4' 6" or 108 links .. each 4/3
25/C346b/209 4' 7" or 110 .. .. .. 4/3
25/C346c/210 4' 8" or 112 .. .. .. 4/3
25/C346d/211 4' 9" or 114 .. .. .. 4/3
25/C346e/211 4' 10" or 116 .. .. .. 4/3
25/C346g/300 5' 0" or 120 .. .. .. 4/3

½" × ½". For Tandems and Derailleur Gears.

No. 25/C346h/308 6' 0" or 144 links (111044) each 5/3

⅜" × ½". No. 111046.

No. 25/C346n/211 4' 10" or 116 links .. each 4/3
25/C346r/300 5' 0" or 120 .. .. .. 4/3

THE COVENTRY "TRADE CARRIER" CYCLE CHAIN

With Spring Clip Fastening.

No. 25/C350m/305 ½" × ⅜" × 4' 9" or 114 links (112045) each 5/-



"PANTHER" CYCLE ROLLER CHAIN

With Recessed Rivets, Free-running Rollers. With Spring Clip Fastening. BRITISH MAKE.

No. 25/C310n/109½ ½" × ⅜" × 4' 10" or 116 links .. each 2/6
25/C310n/109 Lots of 12 .. —
25/C310r/109½ ½" × ⅜" × 5' or 120 links 2/6
25/C310r/109 Lots of 12 .. —

"STANDARD" CYCLE ROLLER CHAIN

With Blue Outer and Straw Colour Inner Plates. Bolt and Nut Fastening. Good Quality. Packed in Attractive Cartons. (Foreign.)
½" pitch × ½" wide × 116 links.

No. 25/C378e/105 .. .. each 2/-
25/C378e/1606 per doz. —
25/C378e/1600 Lots of 50 .. —



"B.S.A." CYCLE CHAIN

No. 25/C331e/401 ½" pitch × ½" × 4' 10" or 116 links each 5/6
25/C331g/402 ½" .. × ½" × 5' 0" or 120 .. .. 5/6



THE "COVENTRY" CYCLE CHAIN

With Spring Clip Fastening.



½" × ½". No. 111048.

No. 25/C340a/201 4' 6" or 108 links .. each 3/3
25/C340b/201½ 4' 7" or 110 .. .. .. 3/3
25/C340c/202 4' 8" or 112 .. .. .. 3/3
25/C340d/202½ 4' 9" or 114 .. .. .. 3/3
25/C340e/203 4' 10" or 116 .. .. .. 3/3
25/C340g/203½ 5' 0" or 120 .. .. .. 3/3

½" × ½". For Tandems and Derailleur Gears.

No. 25/C340h/209 6' 0" or 144 links (111048) each 4/-

½" × ⅜". No. 111049.

No. 25/C340k/201½ 4' 7" or 110 links .. each 3/3
25/C340L/202 4' 8" or 112 .. .. .. 3/3
25/C340m/202½ 4' 9" or 114 .. .. .. 3/3
25/C340n/203 4' 10" or 116 .. .. .. 3/3
25/C340r/203½ 5' 0" or 120 .. .. .. 3/3

CHAINS—(CHAIN BOLTS AND CONNECTING LINKS)—*continued*



"PERRY" BEST BLUE CYCLE CHAIN

With Bolt and Nut Fastening.

No. 25/C354a/*201*	½" pitch	× ⅛" × 4' 6"	or 108 links	each 3/3
25/C354b/*201*	½" "	× ⅛" × 4' 7"	or 110 "	" 3/3
25/C354c/*201½*	½" "	× ⅛" × 4' 8"	or 112 "	" 3/3
25/C354e/*202*	½" "	× ⅛" × 4' 10"	or 116 "	" 3/3
25/C354g/*203*	½" "	× ⅛" × 5' 0"	or 120 "	" 3/3
25/C354n/*202½*	½" "	× 3/32" × 4' 10"	or 116 "	" 3/3
25/C354r/*203*	½" "	× 3/32" × 5' 0"	or 120 "	" 3/3
25/C355g/*203*	½" "	× ⅛" × 5' 0"	or 96 "	" 3/3
	Twin Roller.			
No. 25/C356c/*301*	1" pitch	× ⅛" × 5' 0"	or 60 links	each 4/5
25/C356g/*301*	1" "	× 3/32" × 5' 0"	or 60 "	" 4/5
25/C356r/*300*	1" "	× ⅛" × 5' 0"	or 60 "	" 6/11

"PERRY" CARRIER CYCLE CHAIN

With Spring Clip Fastenings.

No. 25/C359f/*303*	½" pitch	× 3/32" × 4' 7"	or 110 links	each 4/7
25/C359g/*303*	½" "	× 3/32" × 4' 7½"	or 111 "	" 4/7
25/C359h/*304*	½" "	× 3/32" × 4' 8"	or 112 "	" 4/8
25/C359m/*307*	½" "	× 3/32" × 5' 0"	or 120 "	" 5/-
25/C359r/*307*	½" "	× ⅛" × 5' 0"	or 120 "	" 5/-



"PERRY" DERAIL CYCLE CHAIN

Designed particularly for use on Derailleur Gears, "Cyclo," "Trivelox," etc., with spring clip fastening ½" × ⅛" × 5' or 120 links.

No. 25/C361g/*303* .. .. each 5/-

"RENOLD" CYCLE CHAIN

With Spring Clip Fastening.





(111040)

No. 25/C365a/*208½*	½"	× ⅛" × 4' 6"	or 108 links ..	each 4/-
25/C365b/*209*	½"	× ⅛" × 4' 7"	or 110 " ..	" 4/-
25/C365c/*210*	½"	× ⅛" × 4' 8"	or 112 " ..	" 4/-
25/C365d/*211*	½"	× ⅛" × 4' 9"	or 114 " ..	" 4/-
25/C365e/*211*	½"	× ⅛" × 4' 10"	or 116 " ..	" 4/-
25/C365g/*300*	½"	× ⅛" × 5' 0"	or 120 " ..	" 4/-

For Tandem and Derailleur Gears.

No. 25/C365h/*308* ½" × ⅛" × 6' 0" or 144 links .. each 5/-

(111041).

No. 25/C365m/*211*	½"	× 3/32" × 4' 9"	or 114 links ..	each 4/-
25/C365a/*211*	½"	× 3/32" × 4' 10"	or 116 " ..	" 4/-
25/C365r/*300*	½"	× 3/32" × 5' 0"	or 120 " ..	" 4/-



"COVENTRY" Bolts and Nuts.

No. 25/C396m/*6*	½", ½" and 1" × ⅛"	doz.	1/-
25/C396m/*506*		per gross	—
25/C396n/*6*	½", ½" and 1" × 3/32"	doz.	1/-
25/C396n/*506*		per gross	—

"Trade Carrier."

No. 25/C396e/*9*	½" × 3/32"	doz.	1/-
25/C396s/*806*		per gross	—

For Block Chain.

No. 25/C396w/*205*	1" × ⅛"	per doz.	3/6
25/C396x/*205*	1" × 3/32"	"	3/6

"PERRY" Bolts and Nuts.

No. 25/C398a/*6*	½", ½" and 1" × ⅛"	doz.	-/9
25/C398a/*509*		per gross	—
25/C398b/*6*	½", ½" and 1" × 3/32"	doz.	-/9
25/C398b/*509*		per gross	—
25/C398h/*7*	½" and 1" × ⅛"	doz.	-/10
25/C398h/*609*		per gross	—

ASSORTED CHAIN BOLTS AND NUTS

Best quality, for "Coventry," "Vindec," "Perry," etc.

Box of 1 gross.

No. 25/C399a/*606* .. .. per box 9/-

Box of 6 dozen.

No. 25/C399b/*306* .. .. per box 5/-

Smaller quantities.

No. 25/C399d/*7* .. .. per doz. 1/-



CRANKED LINKS

"B.S.A." With Bolt and Nut.

No. 25/C405a/*304*	½" × ⅛"	per doz.	4/5
25/C405b/*304*	½" × 3/32"	"	4/5

"PERRY" With Bolt and Nut.

No. 25/C409a/*101*	½" × ⅛"	per doz.	1/11
25/C409b/*101*	½" × 3/32"	"	1/11
25/C409g/*101*	½" × ⅛"	"	1/11

With rivet, for Carrier Cycle Chain.

No. 25/C409s/*109*	½" × 3/32"	per doz.	3/-
25/C409t/*109*	½" × ⅛"	"	3/-





"RENOLD" SPRING AND INNER LINK

(Nos. 4 and 26 for 111040).

No. 25/C436a/*103* ½" × ⅛" per doz. 1/9

(Nos. 4 and 26 for 111041).

No. 25/C436b/*103* ½" × 3/32" per doz. 1/9



"B.S.A." CONNECTING LINK

With patent S fastening.

½" × ⅛"

No. 25/C430a/*108* doz. 3/4

½" × 3/32"

No. 25/C430b/*108* doz. 3/4



"COVENTRY" SPRING LINK

For 1933/6 pattern "Coventry" Chain. With large diameter rivets.

(No. 26 for 111048).

No. 25/C424a/*7* ½" × ⅛" per doz. 1/-

(No. 26 for 111049).

No. 25/C424b/*7* ½" × 3/32" per doz. 1/-

For Trade Carrier Chain.

(No. 26 for 112045).

No. 25/C424t/*10* ½" × ⅛" per doz. 1/-

"RENOLD-ELITE"

(No. 26 for 111044).

No. 25/C424f/*10* ½" × ⅛" per doz. 1/-

(No. 26 for 111046).

No. 25/C424g/*10* ½" × 3/32" per doz. 1/-

"PERRY" SPRING LINK

For Cycle Chain.

No. 25/C425k/*7* ½" × ⅛" per doz. 1/-

25/C425L/*7* ½" × 3/32"

For Carrier Cycle Chain.

No. 25/C425m/*10* ½" × 3/32" per doz. 1/-

25/C425n/*10* ½" × ⅛"

For Derail Chains. (No. 7.)

No. 25/C425w/*11* ½" × ⅛" per doz. 1/-

Spring Clips only. (No. 7.)

No. 25/C425z/*3* .. .. per doz. 1/-

"RENOLD" SPRING LINK

(No. 26 for 111040).

No. 25/C426a/*10* ½" × ⅛" per doz. 1/-

(No. 26 for 111041).

No. 25/C426b/*10* ½" × 3/32" per doz. 1/-

With small diameter rivets for old Renold Chain prior to 1933. These suit old pattern Coventry.

No. 25/C426c/*7* ½" × ⅛" per doz. 1/-

25/C426d/*7* ½" × 3/32"

CHAIN CONNECTING LINKS—*continued*

CHAIN RIVET EXTRACTORS AND CHAIN RIVET PUNCHES



"COVENTRY" CRANKED DOUBLE LINKS

(No. 30 for 111048).

No. 25/C438a/*101* ½" × ⅛" .. doz. 1/9

(No. 30 for 111049).

No. 25/C438b/*101* ½" × ⅜" .. doz. 1/9

(No. 30 for 112045).

½" × ⅜" for Trade Carrier Chain.

No. 25/C438s/*105* .. per doz. 2/3



"RENOLD-ELITE" CRANKED DOUBLE LINK

Complete with spring link.

(Nos. 26 and 30 for 111044).

No. 25/C440a/*3* ½" × ½" .. each –/4
25/C440a/*203* per doz. —

(Nos. 26 and 30 for 111046).

No. 25/C440b/*3* ½" × ⅜" .. each –/4
25/C440b/*203* per doz. —

"RENOLD" CRANKED DOUBLE LINK

Complete with spring link.

(Nos. 26 and 30 for 111040).

No. 25/C445a/*3* ½" × ½" .. each –/4
25/C445a/*203* per doz. —

(Nos. 26 and 30 for 111041).

No. 25/C445b/*3* ½" × ⅜" .. each –/4
25/C445b/*203* per doz. —



"PENNANT" HARDENED STEEL CENTRE AND PIN PUNCHES

Size 4" × ⅛". On showcards of one dozen assorted.

No. 25/C486/*406* per card 6/–



SPRING CLIPS ONLY

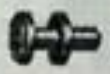
"RENOLD" ½" pitch.

(No. 27 for 111040–1).

No. 25/C449a/*2* .. .. .. doz. –/3

"PERRY" ½" pitch.

No. 25/C449p/*4* .. .. .. doz. –/6



"CAM" CHAIN HOOK

With ⅛" centre pin to braze into frames, unplated.

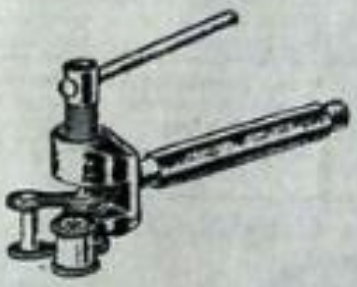
No. 25/C471/*5* .. .. per doz. 1/–
25/C471/*406* per gross —



"CHATER LEA" CHAIN HOOKS

Unplated to braze on.

No. 25/C470/*9* .. .. per doz. 1/–
25/C470/*806* per gross —



CHAIN RIVET EXTRACTOR

For Cycle Chains ⅛", ⅜" or ½" wide.

"KING DICK" (No. C1)

No. 25/C480k/*104* .. .. each 2/–

"VINDEC"

No. 25/C480v/*102* .. .. each 1/9



"COVENTRY" CONNECTING LINK

With two bolts and nuts. For Block Chain.

(No. 11 for 135040).

No. 25/C453a/*7* 1" × ½" .. each –/9

(No. 11 for 135041).

No. 25/C453b/*7* 1" × ⅜" .. „ –/9



THE "COVENTRY" CYCLE CHAIN RIVET EXTRACTOR (No. 311500)

Complete with two detachable push-in punches.

No. 25/C480c/*111* .. .. each 2/6

Push-in punches only for above.

No. 25/C480f/*1* .. .. each –/2



"PENNANT" CHAIN RIVET EXTRACTOR

Compact, strongly made, simple in construction and use. Instantly removes links from any bicycle, motor cycle or light car chain.

No. 25/C480p/*300* .. .. each 4/–



"MARCO" CHAIN RIVET PUNCH (British Made)

With Small Pin Point.

No. 25/C485a/*406* Size 4" × ⅛" .. .. per doz. 6/–

"STARRETT"

No. 25/C485k/*700* Size 4" × ⅛" .. .. per doz. 10/6



CHAIN RIVET PUNCH (British Made)

With Small Pin Point.

No. 25/C485r/*306* Size 6" × ⅛" .. .. per doz. 5/–

CHAIN ADJUSTERS



SPECIAL QUALITY

¼" hole, ⅛" stem. **British Made.**

With open end caps.

Nickel Plated.

No. 25/C501a/*101* per doz. pairs 2/-
25/C501a/*1209* per gross „ —

Rustproof Black.

No. 25/C501b/*101* per doz. pairs 2/-
25/C501b/*1209* per gross „ —

With closed end caps.

Nickel Plated.

No. 25/C501d/*101* per doz. pairs 2/-
25/C501d/*1209* per gross „ —

Rustproof Black.

No. 25/C501e/*101* per doz. pairs 2/-
25/C501e/*1209* per gross „ —

¼" hole (to fit over cone collar), ⅛" stem. With open end caps.

Rustproof Black.

No. 25/C501h/*103* per doz. pairs 2/6



CHAIN ADJUSTERS

For Drop-out Fork Ends.

British made with turned over lip to fit into fork end slots and plate to fit over rear, with small wing nuts.

Black Oxidized Finish.

No. 25/C503r/*300* .. doz. pairs 4/6

This Chain Adjuster prevents wheel pulling over and will strongly appeal to all users of sports machines.



BEST QUALITY

¼" hole, ⅛" stem. With large closed caps.

Nickel Plated.

No. 25/C502a/*204* per doz. pairs 3/6

Black.

No. 25/C502b/*204* per doz. pairs 3/6







"ROSA" REAR WHEEL CHAIN ADJUSTERS OR STOPS

For use with "Cyclo" Two- or Three-speed Chain Gears, for instantaneous adjustment.

On show cards of 1 dozen pairs.

No. 25/C518r/*7* .. .. per pair -/9
25/C518r/*609* .. per card —

Boxes containing 3 doz. pairs Chain Adjusters. Assorted
No. 25/C505f/*409* per box 7/6
This is a very useful assortment for Cycle Agents.



EXTRA STRONG

¼" hole (to fit over cone collar), or for **Carrier Cycles.**

⅜" stem, large hexagon nut and large closed caps.

All Black.

No. 25/C502n/*200* per doz. pairs 4/



BEST QUALITY

To slide in fork-end slots, ¼" hole (to fit over cone collar), ⅛" stem, and hexagon nut not square (as illustrated). **Nickel Plated.**

With large closed caps.

No. 25/C503c/*209* per doz. pairs 4/



"Chater Lea" Chain Adjuster Complete

For No. 4a Fork Ends.

No. 25/C510a/*10½* Nickel.
25/C510b/*100* Chromium.

For No. 5 Fork Ends.

No. 25/C510g/*103* Nickel.
25/C510h/*106* Chromium.

For Carrier Hubs.

No. 25/C510t/*107* Nickel.

CHAIN COVERS



"VINDEC" CELLULOID. FULL LENGTH

Transparent, without disc.

No. 25/C704c/*110* 19½" centres for 44 T. wheels each 2/8

Black Celluloid, without disc.

No. 25/C705a/*110* Juvenile 17" centres for 40 T. wheels each 2/8
25/C705c/*110* 19½" centres for 44 T. 2/8
25/C705d/*110* 19½" .. .. 48 T 2/8

BLUEMEL'S "FEATHERWEIGHT"

Black Celluloid.

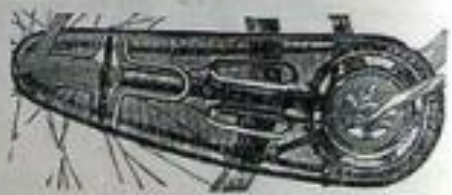
No. 25/C714c/*306* 19½" centres for 48 T. wheels each 5/-



"VINDEC" CELLULOID. FULL LENGTH

Transparent, with plated disc.

No. 25/C702c/*200* 19½" centres for 44 T. wheels
25/C702d/*200* 19½" .. .. 48 T. ..



CHAIN COVERS—*continued*



"VINDEC"

METAL CHAIN GUARDS OR TROUSER PROTECTORS

Black enamelled with clips for 1⅛" down tube.

22½" long for 26" or 28" wheels.

With "D" chain stay clips.

For Roadster Cycles

No. 25/C730e/*100*	With green line	each 1/6
25/C730e/*1106*		per doz. —
25/C730f/*100*	With gold line	each 1/6
25/C730f/*1106*		per doz. —

With ½" round chain stay clips **for Sports Cycles.**

No. 25/C730g/*100*	With gold line	each 1/6
25/C730g/*1109*		per doz. —
25/C730h/*100*	With green line	each 1/6
25/C730h/*1106*		per doz. —

With black crystal finish panel with "D" clip.

For Roadster Cycles

No. 25/C730r/*101*	each 1/8
25/C730r/*1203*	per doz. —

For Juvenile Cycles

With "D" chain stay clips with gold lines

15" long for 14" and 16" wheels.

No. 25/C730a/*100* .. .. each 1/6

20½" long for 24" wheels

No. 25/C730c/*100* .. .. each 1/6



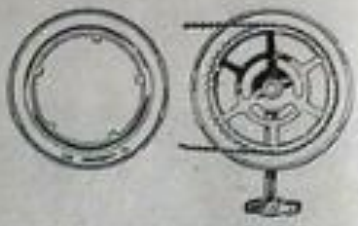
METAL CHAIN GUARD OR COVER

Black enamelled and gold lined.

13" long overall × 6" deep

For Fairycycle

No. 25/C735b/*104* .. .. each 2/–



"MIDLAND" CHAIN WHEEL GUARD FOR 48T WHEELS ONLY

This neat device clips on the offside of the chain wheel and protects the rider's trousers from the chain, without the necessity for trouser clips, the ideal fitment for the business rider. Very simple to fit.

Black Enamelled. No. 58B.

No. 25/C738b/*10* .. .. each 1 [illegible]

Chromium Plated. No. 58 C.P.

No. 25/C738c/*102* .. .. each 1 [illegible]

White Enamelled. No. 58W.

No. 25/C738d/*100* .. .. each 1 [illegible]

CHAIN WHEELS AND CRANKS



"B.B.L." British Make Best Quality Double Flanged Fixed Pattern Chain Wheel with Heavy Toughened Cranks, specially suitable for **Carrier** Cycles.

All Black. ½" pitch × ⅛" wide.

With Gear Case Clearance.

		Per set.
No. 25/C1014c/*403*	44 T. × 6½" cranks	6/3
25/C1014g/*403*	48 T. × 7" ..	6/3

"B.B.L."

BRITISH MAKE. 5-Screw Fixing.

"Joggled." ½" pitch × ⅛" wide.

Square Cranks, Complete with Cotters.

6½" supplied for 44 T.

6½" or 7" supplied for 48 T. or 52 T.

Chromium Plated.

Without Gear Case Clearance.

No. 25/C1000e/*309*	44 T.	per set 5/6
25/C1000g/*309*	48 T.	.. .. 5/6

With Gear Case Clearance.

No. 25/C1001e/*309*	44 T.	per set 5/6
25/C1001g/*309*	48 T.	.. .. 5/6

Nickel Plated.

Without Gear Case Clearance.

No. 25/C1005e/*304*	44 T.	per set 5/–
25/C1005g/*304*	48 T.	.. .. 5/–
25/C1005k/*305*	52 T.	.. .. 5/–

With Gear Case Clearance.

No. 25/C1006e/*304*	44 T.	per set 5/–
25/C1006g/*304*	48 T	.. .. 5/–
25/C1006k/*305*	52 T.	.. .. 5/–

7" Oval Cranks

Without Gear Case Clearance.

No. 25/C1008g/*303* 48 T. per set 4/10

Allowance for Left-hand Crank if not required.

/5 .. .. .. less per set –/7



"B.B.L." British Make

"Joggled." 3-arm design. Fixed Pat[illegible] Chain Wheel and Cranks, complete with Cotters.

½" pitch × ½" Wide. 7" Oval Cra[illegible]

Nickel Plated.

Without Gear Case Clearance.

No. 25/C1036L/*302* 48 T. .. set [illegible]

All Black. ½" pitch × ⅛" wide with [illegible] square Extra Heavy Toughened Cra[illegible] specially suitable for **Carrier** Cycles.

With Gear Case Clearance.

No. 25/C1037c/*400* 44 T. per set [illegible]

CHAIN WHEELS AND CRANKS—*continued*



"B.B.L." British Make. Fixed Pattern.

"Joggled." ½" pitch × ⅛" wide.

Complete with Cotters.

Square Cranks.

Chromium Plated.

Without Gear Case Clearance.

No. 25/C1025k/*304* 48 T. × 6½" × 1½" set 5/-

With Gear Case Clearance.

No. 25/C1026e/*305*	44 T. × 6½"	per set	5/-
25/C1026L/*305*	48 T. × 7"	.. ..	5/-

Nickel Plated.

Without Gear Case Clearance.

No. 25/C1030k/*301*	48 T. × 6½"	per set	4/6
25/C1030L/*301*	48 T. × 7"	.. ..	4/6
25/C1030r/*301*	52 T. × 7"	.. ..	4/6

With Gear Case Clearance.

No. 25/C1031e/*301*	44 T. × 6½"	per set	4/6
25/C1031L/*301*	48 T. × 7"	.. ..	4/6

Juvenile. 36 T. × 5½". **Oval Cranks.**

Chromium Plated.

No. 25/C1033k/*305* .. .. per set 5/-



"B.B.L."

DIRECT DRIVE TANDEM SETS OF CHAIN WHEELS AND CRANKS

6½" Cranks, complete with Cotters for Brampton Fittings.

Chromium Plated ½" pitch × ⅛" wide.

Front, 42 T. Rear, 42 T. and 46 T.

No. 25/C1050e/*1406* .. per set 21/6

Front, 42 T. Rear, 42 T. and 48 T.

No. 25/C1050g/*1406* .. per set 21/6



"B.B.L." British Make. Fixed Pattern.

Juvenile Chain Wheel and Oval Cranks.

Chromium Plated.

½" pitch × ⅛" wide. To suit ⅜" Pedals.

Complete with Cotters.

Without Gear Case Clearance. 4" Cranks for ⅜" Axle and ⅜" Cotters.

For Fairycycles.

No. 25/C1039a/*206*	28 T.	..	per set	3/9

4" Cranks for ⅜" Axle and ⅜" Cotters.

No. 25/C1040a/*206*	28 T.	..	per set	3/9

4½" Cranks for ⅜" Axle and ⅜" Cotters.

No. 25/C1040b/*206*	28 T.	..	per set	3/9
25/C1040f/*209*	32 T.	..	.. ..	4/-
25/C1040k/*206*	36 T.	..	.. ..	5/-

With Gear Case Clearance.

No. 25/C1041f/*209*	32 T.	..	per set	3/9
25/C1041L/*306*	36 T.	..	.. ..	5/-

/8 Allowance for Left-hand Crank if not required. **less** -/7

Specially made for use on "POLO" Cycles.

½" pitch × ⅛" wide nickel-plated complete with ⅜" cotters. Without Gear Case Clearance.

5½" Cranks for ⅜" Axles.

No. 25/C1043b/*305*	22 T.	..	per set	5/-
25/C1043e/*306*	28 T.	..	..	5/-



"WISSNER"

LIGHT ALLOY DOUBLE FLANGED CHAIN WHEEL AND CRANKS

5-screw Fixing.

6½" Cranks, with outside Single Flute complete with Cotters. ½" pitch, ⅛" wide. (Foreign.)

No. 25/C1150c/*1609*	46 T.	per set	22/6
25/C1150d/*1609*	47 T.	.. ..	22/6
25/C1150e/*1609*	48 T.	.. ..	22/6



"B.S.A." FLANGED CHAIN WHEEL AND CRANKS

5-screw Fixing.

"B.S.A."

6½" or 7" Cranks. Complete with Cotters.

Without Gear Case Clearance.

Double Flanged.

Chromium Plated.

No.	½" pitch × ⅛" wide.		per set
25/C1074c/*1400*	42, 44 T.	..	18/9
25/C1074g/*1400*	46, 48 T.	..	18/9
25/C1074k/*1406*	52 T.	.. ..	19/3

No.	1" pitch × ⅛" or ⅜" wide.		per set
25/C1074L/*1400*	21, 22 T.	..	18/9
25/C1074m/*1400*	23, 24 T.	..	18/9

"B.S.A."

Double Flanged. Without Inside Flange.

Complete with Cotters.

With 6½", 6¾" or 7" Cranks.

Without Gear Case Clearance.

Chromium Plated.

No.	½" pitch × ⅛" wide.		per set
25/C1076c/*1400*	42, 44 T.	..	18/9
25/C1076g/*1400*	46, 48 T.	..	18/9
25/C1076k/*1400*	52 T. ..	..	18/9

No.	1" pitch × ⅛" or ⅜" wide.		per set
25/C1076L/*1400*	21, 22 T.	..	18/9
25/C1076m/*1400*	23, 24 T.	..	18/9

6½" or 6¾" Double Fluted Cranks.

Without Gear Case Clearance.

/108 Chromium Plated extra per set 2/3

CHAIN WHEELS AND CRANKS—*continued*



"CHATER LEA" FLANGED CHAIN WHEEL & CRANKS.

3-Arm Pattern.

6½" Double Fluted Cranks.

Complete with Cotters.

Without Gear Case Clearance.

Plain Pattern, not Lettered
(as Illustrated.)

Chromium Plated.

No.	½" pitch × ⅛" wide.		per set
25/C1092c/*1705*	36, 38, 40, 42, 44 T.		23/2
25/C1092g/*1711*	46, 48 T.	.. ..	23/10
25/C1092h/*1802*	50 T.	.. ..	24/2
25/C1092k/*1805*	52 T.	.. ..	24/6
25/C1092m/*1811*	56 T.	.. ..	25/2
/9	Extra for 6½" and 7" Cranks		1/–

With "C.L." Regd. Design Wheel.
(Not Illustrated.)

Nickel Plated.

No.	½" pitch × ⅛" wide.		per set
25/C1100c/*1406*	42 T.	.. ..	19/4
25/C1100c/*1409*	44 T.	.. ..	19/8
25/C1100g/*1500*	46 T.	.. ..	20/–
25/C1100g/*1503*	48 T.	.. ..	20/4
/9	Extra for 6½" or 7" Cranks	..	1/–

Chromium Plated.

No.	½" pitch × ⅛" or 3/32" wide.		per set
25/C1105c/*1705*	21, 22 T.	..	23/2
25/C1105g/*1711*	23, 24 T.	..	23/10
25/C1105m/*1805*	25, 26 T.	..	24/6
/9	Extra for 6½" or 7" Cranks	..	1/–

Chromium Plated.

No.	½" pitch × ⅛" wide.		per set
25/C1106c/*1702*	42 T.	.. ..	22/10
25/C1106c/*1705*	44 T.	.. ..	23/2
25/C1106g/*1707*	46 T.	.. ..	23/6
25/C1106g/*1711*	48 T.	.. ..	23/10
/9	Extra for 6½" or 7" Cranks	..	1/–



"CHATER LEA" TANDEM SETS CHAIN WHEEL (C.L. DESIGN) AND CRANKS

Complete with Cotters.

For No. 14a, 42, 90 and 92 Tandem Fittings. Front, up to 44 teeth; rear, up to 44, 46 and 48 teeth.

Chromium Plated.

No.	½" pitch × ⅛" wide.	per set
25/C1118g/*4204*	With 6½" Cranks	56/8

Front, up to 44 teeth; rear, up to 44 and 52 teeth.

Chromium Plated.

No.	½" pitch × ⅛" wide.	per set
25/C1119g/*4209*	With 6½" Cranks	57/1

Other sizes can be supplied to order at prices according to sizes required.

An extra charge will be made on above sets if supplied with plain wheels in lieu of C.L. Design.



"WILLIAMS UTILITY" CHAIN WHEEL AND CRANKS

5-Screw Fixing.

Complete with Cotters.

½" Pitch × ⅛" Wide.

Chromium Plated.

44 and 48 Teeth. 6½" or 7" Cranks.

Joggled. Without Gear Case Clearance.

No. 25/C1126a/*309*	..	per set 5/6
25/C1126a/*4400*	..	doz. sets

44 and 48 Teeth. 6½" or 7" Cranks.

Joggled. With Gear Case Clearance.

No. 25/C1126c/*309*	..	per set 5/6
25/C1126c/*4400*	..	doz. sets

Nickel Plated.

44, 48, 52 Teeth. 6½" or 7" Cranks.

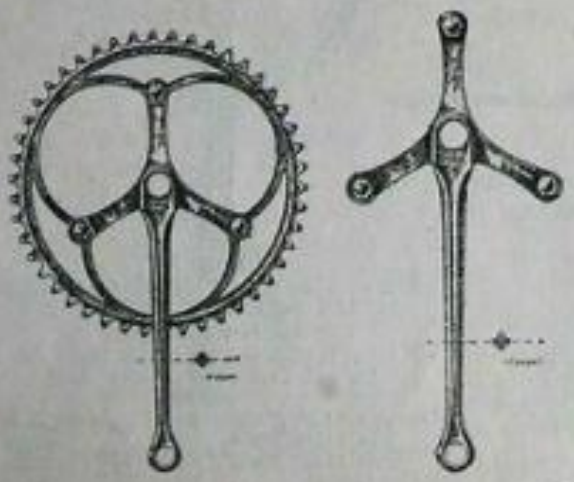
Joggled. Without Gear Case Clearance.

No. 25/C1126k/*304*	..	per set
25/C1126k/*3900*	..	doz. sets

Joggled. With Gear Case Clearance.

No. 25/C1127k/*304*	..	per set
25/C1127k/*3900*	..	doz. sets

"DURAX" LIGHTWEIGHT DOUBLE FLANGED CHAIN WHEELS AND CRANKS



(Foreign).

Complete with Cotters.

Extensively used by the Continental Racing Cyclists.

3 arm Pattern.

Nickel chrome steel with 4 flutes.

Weight per set, 24 oz.

46 T × ⅛" × ⅛" × 6½"
No. 25/C1148c/*1700*

48 T × ⅛" × ⅛" × 6½"
No. 25/C1148e/*1700*

Nickel steel with grooved cranks.

Weight per set, 29 oz.

46 T × ⅛" × ⅛" × 6½"
No. 25/C1149c/*1302*

48 T × ⅛" × ⅛" × 6½"
No. 25/C1149e/*1302*

CHAIN WHEELS AND CRANKS—*continued*



Direct Drive.



"WILLIAMS" D34 DIRECT-DRIVE TANDEM SETS OF CHAIN WHEELS AND CRANKS.

Chromium Plated.
6½" Cranks. Complete with Cotters.
For Brampton Tandem Fittings.

½" pitch × ½" wide.

Front, 42 T.; Rear, 42 & 44 T.
No. 25/C1180b/*2200* .. .. set 33/-

Front, 42 T.; Rear, 42 & 46 T.
No. 25/C1180e/*2200* .. .. set 33/-

Front, 42 T.; Rear, 42 & 48 T.
No. 25/C1180h/*2200* .... .. set 33/-

Front, 42 T.; Rear, 42 & 52 T.
No. 25/C1180m/*2200* .. .. set 33/-

We can obtain to special order in a few days sizes 44, 44 & 46; 44, 44 & 48; 44, 44 & 52 T.

CHAIN WHEELS, with 5 Screws fitted. "B.B.L." JOGGLED, BRITISH MADE.

Nickel Plated. ½" × ½".

No. 25/C1200e/*106* 44 T. .. each 2/3
25/C1200g/*106* 48 T. 2/3
25/C1200k/*108* 52 T. 2/6

Chromium Plated. ½" × ½" .

No. 25/C1201e/*109* 44 T. .. each 2/6
25/C1201g/*109* 48 T. 2/6
25/C1201k/*111* 52 T. 2/9

"B.S.A."

Double Flanged.

Chromium Plated.

No. ½" pitch × ½" wide.
25/C1207g/*402* 42, 44, 46, 48 T. each 5/6
25/C1207L/*407* 52 T. 6/1

No. 1" pitch × ½" or ⅝" wide.
25/C1207m/*402* 21, 22, 23, 24 T. each 5/6

Without Inside Flange.

No. ½" pitch × ½" wide.
25/C1211g/*402* 42, 44, 46, 48 T. each 5/6
25/C1211L/*407* 52 T. 6/1

No. 1" pitch × ½" or ⅝" wide.
25/C1211m/*402* 21, 22, 23, 24 T. each 5/6



WILLIAMS SD31 SEMI DETACHABLE TANDEM SETS OF CHAIN WHEELS AND CRANKS.

6½" Cranks. Complete with Cotters.
For Brampton Tandem Fittings.
Chromium Plated.

No. Front, 42 T.; Rear, 42 & 48 T. × ½" × ½"
25/C1181h/*1509* .. .. set 23/9

CHAIN WHEELS

(With 5 Screws Fitted)



"WILLIAMS" B100. DOUBLE FLANGED.

Chromium Plated. ½" × ½".

No. 25/C1240a/*201* 40, 42, 44 T. each 3/3
25/C1240a/*202* 46, 48 T. .. 3/6
25/C1240b/*206* 50, 52 T. .. 3/10

Nickel Plated. ½" × ½".

No. 25/C1240g/*110* 36, 44 T. each 2/6
25/C1240g/*200* 46, 48 T. .. 2/9
25/C1240k/*203* 52 T. 3/3

Nickel Plated. ½" × ⅜".

No. 25/C1241g/*110* 36, 42, 44 T. each 2/6
25/C1241g/*200* 46, 48 T. .. 2/9
25/C1241k/*203* 52 T. 3/3

Chromium Plated.

20, 21, 22, 23, 24 T. × 1" pitch × ½" wide.
No. 25/C1242d/*203* .. .. each 3/3

21, 22, 23, 24 T. × 1" pitch × ⅜" wide.
No. 25/C1242g/*203* .. .. each 3/3

All Black. ½" × ½" wide.

No. 25/C1245a/*111* 44 T. .. each 2/9
25/C1245a/*201* 46, 48 T. .. 3/-



WILLIAMS DIRECT DRIVE TANDEM SETS OF CHAIN WHEELS AND CRANKS.

6½" Cranks, 3-arm pattern. Complete with Cotters. For Brampton or Sun Tandem Fittings.

Chromium Plated. ½" pitch × ½" wide.
Front, 32 T; Rear, 32 T and 43 T.
No. 25/C1182h/*1406* .. .. set 21/6

"WILLIAMS" D34 DIRECT-DRIVE TANDEM CHAIN WHEELS ONLY. 3-Arm Pattern.

Chromium Plated. ½" pitch × ½" wide.
Front Chain Wheels only.
No. 25/C1368b/*209* 42 T. .. each 4/-
Inside Drum Chain Wheels only.
No. 25/C1369b/*606* 42 T. .. each 8/9
Outside Chain Wheels only.
No. 25/C1369m/*500* 44 T. .. each 6/9
25/C1369n/*500* 46 T. 6/9
25/C1369p/*500* 48 T. 6/9
25/C1369r/*500* 52 T. 6/9
42 T. and 44 T. combined.
No. 25/C1370b/*1106* .. .. each 15/6
42 T. and 46 T. combined.
No. 25/C1370e/*1106* .. .. each 15/6
42 T. and 48 T. combined.
No. 25/C1370h/*1106* .. .. each 15/6
42 T. and 52 T. combined.
No. 25/C1370m/*1106* .. .. each 15/6

"WILLIAMS" B109 DUREEL. With Narrow Inside Flange.

Chromium Plated. ½" × ½".
No. 25/C1248a/*1100* 44 T. .. each 16/-
25/C1248a/*1100* 46 T. 16/-
25/C1248a/*1100* 48 T. 16/-

"WILLIAMS" B100. Without Inside Flange.

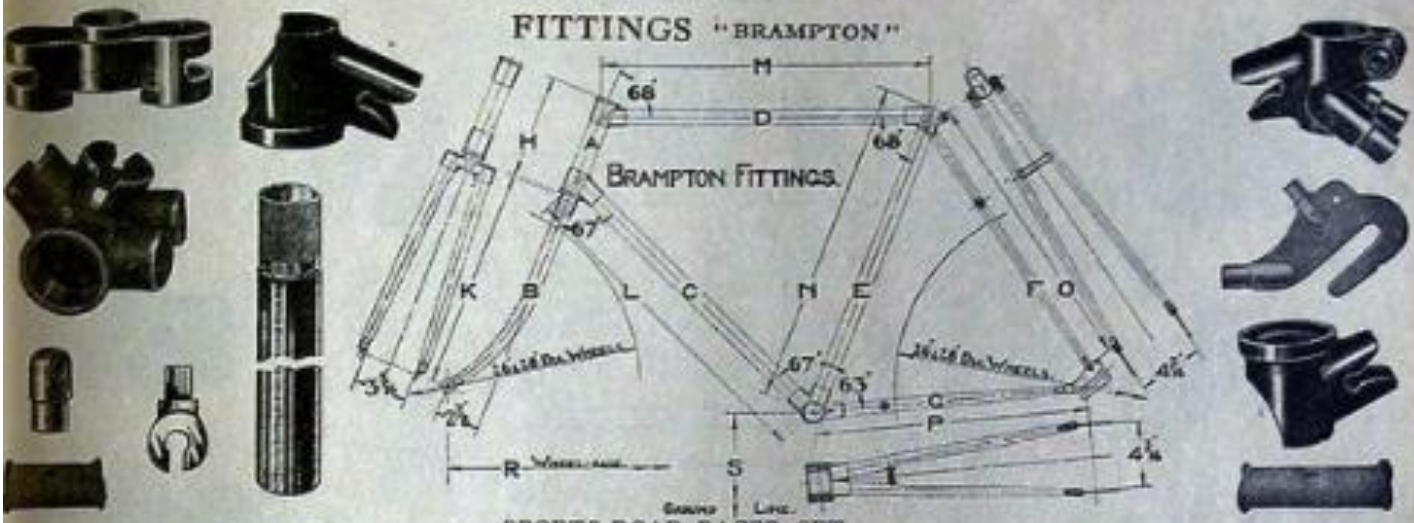
Chromium Plated. ½" × ½".
No. 25/C1249g/*203* 40, 42, 44 T. each 3/6
25/C1249g/*205* 46, 48 T. 3/9
25/C1249k/*209* 50, 52 T. 4/-

"WILLIAMS" UTILITY. Joggled. ½" × ½".

Nickel Plated.
No. 25/C1255f/*107* 44 T. .. each 2/4
25/C1255k/*107* 48 T. 2/4
25/C1255m/*109* 52 T. 2/6

Chromium Plated.
No. 25/C1256f/*110* 44 T. .. each 2/8
25/C1256k/*110* 48 T. 2/8

FITTINGS "BRAMPTON"



SPORTS ROAD RACER SET

EXPANDER HEAD, COTTERLESS LOW BRACKET MODEL FOR VARIOUS FRAME SIZES

Malleable Cast Lugs. For 1⅛" Tubes and 1" Parallel Top. Straight Round Tapered Chain Stays.

Comprising:

Crowns, 906" D, 1⅛", Head Stem, 5¾" to 8¾"
Top Lugs, 1¼" × 1" × 68°.
Bottom Lugs, 1¼" × 1¼" × 68°.
Seat Lugs, 1¼" × 1" × 68°.
Stay Eyes, ⅜" Rd.
Fork Ends Plain, with Eyes.
Front Fork Ends. Lock Nuts, ⅜".
Lamp Brackets, ⅜".
Bracket Shells, 1¼" × 1¼" × ⅜" × 1¼" C.L. 68° and 59½°.
Chain Stay Struts. Seat Stay Struts.
Seat Bolts and Nuts.
Ball Races, black (2). Crown Races.
Flanged and Adjusting Bracket Cups.
Lock Rings. Bracket Lubricators.
Screwed Ball Races, ⅜".
Bracket Axles, 1⅛" C.L.

GENT.'S SETS COMPLETE. With Chromium Plated Completion Parts.

With Plain Lugs.
No. 25/F85b/*903* .. .. per set 12/6

With Cut-away and Fish-tailed Lugs and Milled Crown.
No. 25/F85c/*910* .. per set 13/3

GENT.'S SET COMPLETE. With Upright Frame Lugs.

As Gent.'s set above, but with the following variations:
Top Lug 1⅜" × 1" × 70°. Bottom Lug 1¼" × 1¼" × 63°. Seat Lug 1¼" × 1" × 70°.
Bracket Shell 1¼" × 1¼", 10½" high × 63° and 61½°.

Complete Sets.

With Chromium Plated Completion Parts. With Cut-away and Fish-tailed Lugs and Milled Crown.

For ⅜" Chain Stays.
No. 25/F85f/*1009* .. per set 13/6

For ½" Chain Stays.
No. 25/F85h/*1000* .. per set 13/6

Set of 4 Upright Frame Lugs only.

Comprising Top and Bottom Lug, Seat Lug, Bracket Shell as above Cut-away and Fish-tailed.

For ⅜" Chain Stays.
No. 25/F86f/*310* .. per set 5/3

For ½" Chain Stays.
No. 25/F86h/*310* .. per set 5/3



BRAMPTON "HAWK" SPORTS ROAD RACER SET OF LUGS

For Upright Frame Low Bracket Model.

Special Cut-away Malleable Cast Lugs, as illustrated. For 1⅛" Tubes and 1" Parallel Top.

Comprising:
Crown, D.
Top Lug, 1¼" × 1" × 73°.
Bottom Lug, 1¼" × 1¼" × 60°.
Seat Lug, 1¼" × 1" × 73°.
Stay Eyes, ⅜" Rd.
Fork Ends Plain, with Eyes. Front Fork Ends.
Bracket Shells, 1¼" × 1¼" × ⅜" × 1¼" C.L. 60° and 40°.
Chain Stay Strut. Seat Stay Strut.

No. 25/F84c/*1006* .. .. per set 14/-

Sets of 7 parts as illustrated.

Comprising: Top Lug, Bottom Lug, Crown, Bracket Shell, Seat Lug and Eyes.
No. 25/F84d/*711* 10/6

LADY'S SPORTS MODEL SET

For Parallel Down Tube Frame Set.

Top Head Lug, 1¼" × ⅜" × 113°.
Bottom Head Lug, 1¼" × 1¼" × 67°.
Seat Tube Frame Lug, 1¼" × ⅜" × 67°.
Bracket Shell, 1¼" × 1¼" × ⅜" × 1¼" C.L. 67° × 63°.
Seat Lug 1¼".

Complete Sets.

With Chromium Plated Completion Parts. With Plain Lugs.
No. 25/F85m/*1000* .. per set 13/6

With Cut-away and Fish-tailed Lugs and Milled Crown.
No. 25/F85p/*1007* .. per set 14/3

For Non-Parallel Down Tube Frame Set.

Top Head Lug, 1¼" × ⅜" × 107°.
Bottom Head Lug, 1¼" × 1¼" × 65°.
Seat Tube Frame Lug, 1¼" × ⅜" × 75°.
Bracket Shell, 1¼" × 1¼" × ⅜" × 1¼" C.L. 67° × 58½°.
Seat Lug 1¼".

Complete Sets.

With Chromium Plated Completion Parts. With Plain Lugs.
No. 25/F85r/*1000* .. per set 13/6

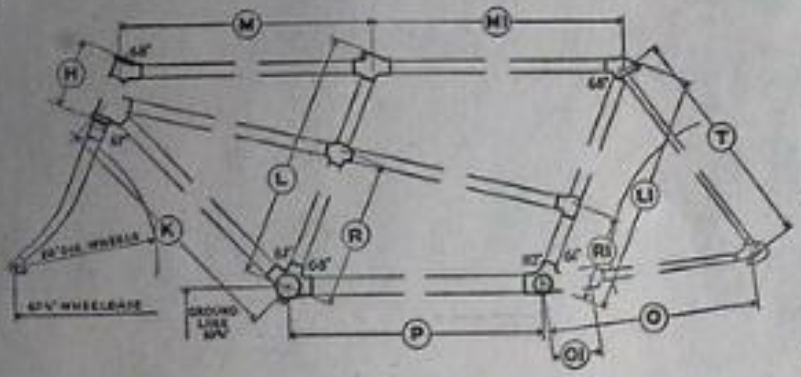
With Cut-away and Fish-tailed Lugs and Milled Crown.
No. 25/F85s/*1007* .. per set 14/3

FITTINGS—*continued*

("BRAMPTON'S" TANDEM SETS)

























"BRAMPTON'S" TANDEM FITTINGS FOR CENTRAL STAY OR SINGLE CROSS TUBES

Head Clip Model with Drop-out Fork Ends and Cotterless Bracket. Chromium Plated.

Comprising the following parts:

Steering Stem
Crown
Top Head Lug
Bottom Head Lug
Front Seat Lug
Rear .. ..
Front Bracket Shell
Rear .. ..

Chain Stay Bridge
Seat .. ..
Rear Fork Ends
Lamp Bracket
Bottom Head Race Cup
.. .. .. Cone
Bracket Flange Cups
.. Adjusting Cups

Bracket Lock Ring
Front Bracket Axle
Rear .. ..
Split Cotter Bolts
Front Fork Ends
Front Cross Lug
Back "T" Lug
Eccentric Bracket Sleeve

Mudguard Stud Bolt and Washers
Seat Lug Bolt and Nut
Head Lock Nuts
Head Clip
Ball Races
Top Eyes
Bottom Eyes
Seat and Handlebar Clip

Set of 48 (only ⅛) Balls for Head
Set of 38 (only ⅛) Balls for 2 Brackets
Set of 4 Lubricators
Rear Wing Nuts
Front .. ..
Front & Rear Cotterless Chain Wheel & Cranks

TWO GENT.'S SET. Complete

1¼" "C.L.," 67½" Wheel Base, 10½" Bracket, for 1⅛" Central Bottom Tube.
With Plain Lugs.

No. 25/F97b/*5503* .. .. per set 77/9

With Cut-away and Fish-tailed Lugs and Milled Crown.

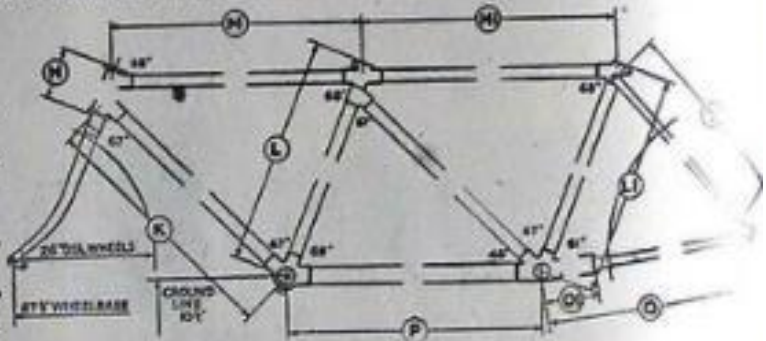
No. 25/F97e/*5703* .. .. per set 80/6

1¼" "C.L.," 63½" to 64½" Wheel Base, 10½" to 10¾" Bracket, for 1⅛" Central Bottom Tube.
With Plain Lugs.

No. 25/F97h/*5503* .. .. per set 77/9

With Cut-away and Fish-tailed Lugs and Milled Crown.

No. 25/F97k/*5703* .. .. per set 80/6



GENT. FRONT AND LADY BACK SET. Complete

1¼" "C.L.," 67½" Wheel Base, 10½" Bracket, for 1⅛" Central Bottom Tube.

For 22" Lady's Back. As Two Gent.'s set above, but with the following variations: Lady's Front Seat Lug, Lady's Loop Lug, Lady's Rear Seat Lug, Lady's Rear Cross Lug.
With Plain Lugs.

No. 25/F97m/*6000* .. .. per set 80/–

With Cut-away and Fish-tailed Lugs and Milled Crown.

No. 25/F97n/*6203* .. .. per set 83/–

GENT. FRONT AND LADY BACK SET. Complete

For 20" or 21" Lady's Back. As Two Gent.'s set above, but with the following variations: Lady's Front Seat Lug, Lady's Loop Lug, Two Rear Cross Lugs, Lady's Rear Seat Lug, Special Rear Bracket Shell, for 1⅛" Central Bottom Tube.
With Plain Lugs.

No. 25/F97a/*5600* .. .. per set 78/9

With Cut-away and Fish-tailed Lugs, and Milled Crown.

.. per set 81/9

DOUBLE DIAMOND TWO GENT.'S SET. Comple

As Two Gent.'s set above, but with the following varia... Bottom Head Lug, Top Diamond Frame Lug, Rear Bracket S...

1¼" "C.L.," 67½" Wheel Base, 10½" Bracket, for 1⅛" Central Bottom Tube.
With Plain Lugs.

No. 25/F98b/*5503* .. .. per set ...

With Cut-away and Fish-tailed Lugs and Milled Crown.

No. 25/F98e/*5703* .. .. per set ...

1¼" "C.L.," 63½" to 64½" Wheel Base, 10½" to 10¾" Bracket, for 1⅛" Central Bottom Tube.
With Plain Lugs.

No. 25/F98h/*5503* .. .. per set ...

With Cut-away and Fish-tailed Lugs and Milled Crown.

No. 25/F98k/*5703* .. .. per set ...

FITTINGS (CHATER LEA)—*continued*









"RIGID" FORK END
No. 4 Serrated No. 5a Plain





"CHATER LEA" FITTINGS. Comprising:

Head with Clip or Expander (⅛" balls), **Bracket**, Gent.'s or Ladies', up to 46 teeth Chain Wheel (C.L. Design), and 6½" Double Fluted Cranks, Rigid Seat Lug, and Stay Eyes, and Rear Fork Ends (No. **4a, 5a,** or **6**), Front Fork Ends, Bridge Pieces (**Less** Hubs and Pedals). Tube Lug included with Lady's Set.

GENT.'S "RIGID" ROAD RACER SETS (PARALLEL TOP)

	Top Lug.	Seat Lug.	Bottom Lug.	Height of Bracket.	Wheel Base.
No. 3	1⅛" × 1" × 68°	1⅛" × 1" × 68°	1⅛" × 1⅛" × 64½°	10½" × 64½° & 60°	42"
No. 5	1⅛" × 1" × 66°	1⅛" × 1" × 68°	1⅛" × 1⅛" × 66°	10½" × 66° & 60°	43½"
No. 6	1⅛" × 1" × 73°	1⅛" × 1" × 73°	1⅛" × 1⅛" × 61½°	10½" × 61½° & 65°	43½"

No. 3 Set. Chromium Plated.

No.		Per set
25/F105b/*3703*	Head Clip Model	49/8
25/F105d/*3408*	Expander Model	46/2

No. 5 Set. Chromium Plated.

25/F106b/*3703*	Head Clip Model	49/8
25/F106d/*3408*	Expander Model	46/2

UPRIGHT FRAME. Set No. 6.

With ⅛" Chain Stay Bracket.

No.	Chromium Plated.	Per set.
25/F102b/*3703*	Head Clip Model	49/8
25/F102d/*3408*	Expander Model	46/2

With ¼" Chain Stay Bracket.

No.	Chromium Plated.	Per set
25/F102m/*3703*	Head Clip Model	49/8
25/F102r/*3408*	Expander Model	46/2

The Wheel Base of No. **5** Set can be reduced to 42½" by substituting Chain Struts 16½" long, and by a further 1½" to 41½" by using a semi-straight fork 1½" rake.

All above Fork Ends for Cycle are supplied with Bottom Seat Stay Ends to fit ⅞" inside diameter Seat Stay Tubes.

LADIES' "RIGID" ROAD RACER SETS

	Top Lug.	Seat Lug.	Bottom Lug.	Height of Bracket.	Wheel Base.
No. 5L	1⅛" × 1" × 68½°	1⅛"	1⅛" × 1⅛" × 66°	10½" × 66° & 60°	43½"
No. 6L	1⅛" × 1" × 68½°	1⅛"	1⅛" × 1⅛" × 61½°	10½" × 61½° × 65°	43½"

STANDARD FRAME
With No. 5L Frame Lugs.

No.	Chromium Plated.	Per set
25/F109b/*3709*	Head Clip Model	50/3
25/F109d/*3501*	Expander Model	46/9

EXTRAS are not included in prices of "Chater Lea" Fittings.

"C.L." REGD. DESIGN OR PLAIN 3-ARM CHAIN WHEELS

Nickel or Chromium Plated. each

/3	48 teeth × ⅛"	–/4
/8	50 teeth × ⅛", or 23, 24 teeth × 1"	–/8
/9	52 " × ⅛", or 25, 26 " × 1"	1/–
/103	56 " × ⅛", or 27 teeth × 1"	1/8
/9	Cranks, 6½" or 7" long	per pair 1/–
/8	Heads fitted with ⅛" balls	each –/8

If fittings are required with cut-away Lugs, or Polished and Blued, they can be supplied at an extra charge.

/9	Extra for cut-away fish-tailed Lugs for Gent.'s or Ladies...	per set 1/–
	Extra for Head and Seat Lugs Polished and Blued.	
/100	For Gent.'s ..	per set 1/4
/102	" Ladies' ..	" 1/7

UPRIGHT FRAME
Set No. 6L with ⅛" Chain Stay Bracket.

No.	Chromium plated.	Per set
25/F107b/*3708*	Head Clip Model	50/3
25/F107d/*3501*	Expander Model	46/9

Set No. 6L with ¼" Chain Stay Bracket.

No.	Chromium plated.	Per set
25/F107m/*3708*	Head Clip Model	50/3
25/F107r/*3501*	Expander Model	46/9





CONTINENTAL LIGHTWEIGHT ROAD OR PATH RACE FITTINGS FOR GENT.'S UPRIGHT FRAME
(Foreign.)

Extra light malleable castings carefully and evenly machined cut away and fish-tailed parts to a very fine degree.





For 1⅛" Tubes and 1" Parallel Top. With Chromium-plated parts.

Comprising:

Crown Oval Dropped Forged, 1⅜" × 1⅜" 1⅜" wide.
Top Lug, 1⅛" × 1" × 73·5°.
Bottom Lug, 1⅛" × 1⅛" × 61°.
Seat Lug, 1⅛" × 1" × 72·5°. (⅛" Spigot)
Seat Lug Eyes, ⅜".
Bracket Shell, 1⅛" × 1⅛" × 1" × 1⅛" C.L. 60° and 63°.
Rear Fork Ends, Dropped Forged. ⅜" Chain and ⅛" Seat.
Hexagon Head Lock Nuts, 1" × 24 T.
Front Fork Ends, Dropped Forged, ⅞" O.D.
Serrated Head Adjusting Washer.
Top Ball Race Seating.
Bottom Ball Race Seating.
Crown Ball Race.
Screwed Expander Race, serrated.

Complete Sets with Oval Front Forks, Chain and Seat Stays **Ribbed** for Strength and Design.

Complete Sets less Forks, Chain and Seat Stays.

With Continental Head Lugs with Loose Seating Races.
For Expander.
No. 25/F150c/*2106* .. .. per set 29/–

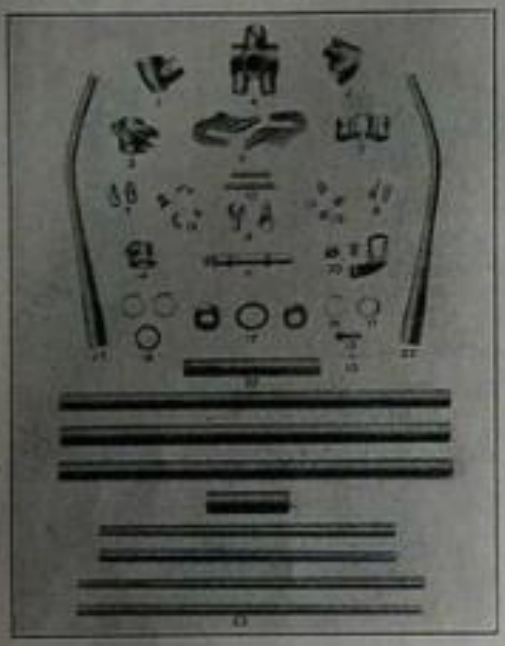
With English type Head Lugs shouldered for Ball Races for Head Clip and Lock Nut ⅜" × 30 T.
No. 25/F150e/*2105* .. .. per set 29/–

For Continental Expander Head.
No. 25/F150L/*1506* .. .. per set 21/–

For English Type Head Clip.
No. 25/F150n/*1506* .. .. per set 21/–

These fittings are made by one of the finest Continental makers and are used by most of the well-known Continental riders.

FITTINGS—*continued*



SEE PAGE 150 FOR SUN PATENT TANDEM FOOT OPERATED HEEL BRAKE LEVER.

"SUN" LIGHTWEIGHT ROAD OR PATH RACE FITTINGS FOR GENT.'S UPRIGHT FRAME.

With **Plain** lugs.

For 1⅛" Tubes and 1" Parallel Top.

Comprising:

Crown "D," 1⅛"	Seat Bolt and Nut
Top Lug, 1⅛" × 1" × 73°	Ball Races, Black (2)
Bottom Lug, 1⅛" × 1⅛" × 61°	Crown Race
Seat Lug, 1⅛" × 1" × 73°	Flanged and Adjusting Bracket Cups
Stay Eyes, ⅜" Rd.	Bracket Lubricators
Bracket Shell, 1⅛" × 1⅛" × ⅜" × 1⅛" C.L. 61° and 65°	Bracket Lock Rings
Chain and Seat Stay Tubular Struts	Head Clip, with Tecalemit Lubricator
Rear Fork Ends, Plain	Bracket Axle, 1⅛" C.L.
Head Lock Nuts, 1" × 24 Thread	Chain Stay Eyes ⅜"
Front Fork Ends	Bottom Seat Stay Eyes, ⅜"
Lamp Bracket with Brazed on Serrated Lug and Set Screw	Pair Pump Pegs
Head Clip Spacing Washer	Two Pair Mudguard Stay Eyes
	Chain Hook
	Reflector Eye

Complete sets with Chromium Plated and Black Completion Parts as above.

No. 25/F200a/*1006* Bottom Lug for ⅛" Balls. .. .. per set 15/9

No. 25/F200b/*1006* Bottom Lug for ⅜" Balls. .. per set 15/9

As above, complete with "A.P." Chrome Molybdenum 22g Plain Frame Tubes, Head Tube, Screwed Head Stem, Curved Taper Forks 18/21g. ⅛" Straight Tapered Chain and Seat Stays.

No. 25/F201a/*2409* Bottom Lug for ⅛" Balls. .. per set 36/3

No. 25/F201b/*2409* Bottom Lug for ⅜" Balls. .. per set 36/3

As above, complete with "Reynolds" "H.M." Butted Frame Tubes, Head Tube, Screwed Head Stem, Curved Taper Forks 18/20g. ⅛" Straight Tapered Chain, and Seat Stays.

No. 25/F201L/*2503* Bottom Lug for ⅛" Balls. .. per set 37/9

No. 25/F201m/*2503* Bottom Lug for ⅜" Balls. .. per set 37/9

Extra for Cut-away and Fish-tailed lugs.

/*10* .. .. Extra per set 2/6

"SUN" GENT.'S UPRIGHT FRAME LUGS

In sets of **4** comprising:

Top Head Lug, 1⅛" × 1" × 73°.
Bottom Head Lug, 1⅛" × 1⅛" × 61°.
Bracket Shell, 1⅛" × 1⅛" × ⅜" × 1⅛ C.L. 61° and 65°.
Seat Lug only, 1⅛" × 1" × 73° with ⅜" Spigots.

Plain.

No. 25/F203a/*209* For ⅛" Ball Races .. .. per set 4/-

Plain.

No. 25/F203b/*209* For ⅛" and ⅜" Ball Races .. per set







SPECIAL DESIGN CUT-AWAY LUGS. (Continental Pattern).

In sets of **5** comprising:

Top Head Lug, 1⅛" × 1" × 73°.
Bottom Head Lug, 1⅛" × 1⅛" × 61°.
Bracket Shell, 1⅛" × 1⅛" × ⅜" × 1⅛ C.L. 61° and 65°.
Seat Lug, 1⅛" × 1" × 73° with ⅜" Spigots.
Crown, Machined all over for D.

Design No. 1.

For ⅛" and ⅜" Ball Races.

No. 25/F203f/*403* .. .. per set 6/-

Design No. 2.

For ⅛" and ⅜" Ball Races.

No. 25/F203b/*403* .. .. per set 6/-

Design No. 3.

For ⅛" and ⅜" Ball Races.

No. 25/F203L/*403* .. .. per set 6/-

FITTINGS ("SUN," "VINDEC")—*continued*

"SUN" TANDEM FITTINGS FOR CENTRAL STAY OR SINGLE CROSS TUBES.

Head Clip Model with Drop-out Fork Ends and Cotterless Bracket. With Plain lugs.

Comprising the following parts:

Crown	Bottom Head Race Cone	Seat Lug Bolt and Nut
Top Head Lug	Bracket Flange Cups	Head Lock Nuts
Bottom Head Lug	Bracket Adjusting Cups	Head Spacing Washer
Front Seat Lug	Bracket Lock Ring	Head Clip
Rear Seat Lug	Front Bracket Axle	Ball Races
Front Bracket Shell	Rear Bracket Axle	Top Eyes
Rear Bracket Shell	Bracket Split Cotter Bolts	Bottom Eyes
Chain Stay Bridge	Front Fork Ends	Pair Pump Pegs
Seat Stay Tubular Bridge	Front Cross Lug	Two Pair Mudguard Stay Eyes
Rear Fork Ends with Adjusters	Back Cross Tube Lug	Set of 4 Lubricators (Tecalemit pattern)
Fork Lamp Bracket	Eccentric Bracket Sleeve and Set Pin	Chain Hook
Bottom Head Race Cup		Reflector Eye

Complete Sets with Chromium Plated and Black Completion Parts.

FOR TWO GENT.'S SET.

No. 25/F205a/*3103* .. .. per set 46/9

FOR GENT. FRONT AND LADY BACK.

As Two Gent.'s Set above, but with the following variations: Lady's Front Seat Lug, Lady's Loop Lug, Lady's Rear Seat Lug, Lady's Rear Cross Lug.

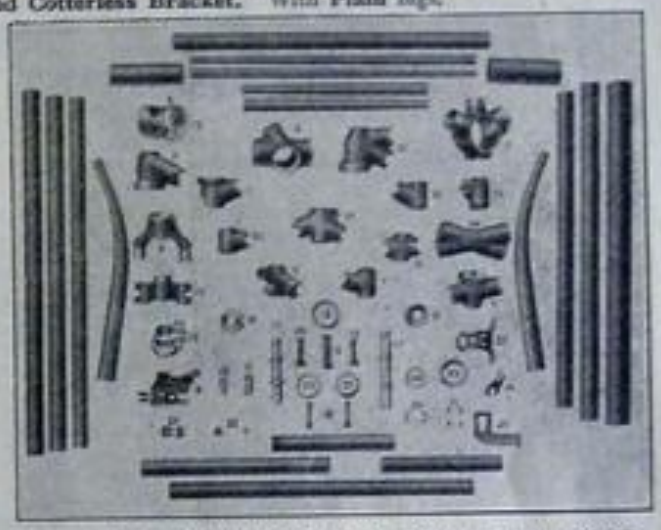
No. 25/F205L/*3206* .. .. per set 48/9

As above Two Gent.'s, with "Reynolds" complete set of all Frame Tubes, Head Tube, Screwed Head Stem, Round Tapered Chain and Rear Stays and Front Forks.

			per set
No. 25/F206a/*4806*	"A." Plain Round Tubes	..	72/–
25/F206b/*5103*	"A." Butted Round Tubes	..	76/9
25/F206c/*6506*	"H.M." Plain and Butted Tubes		95/9

As above, Gent. Front and Lady Back, with "Reynolds" complete set of all Frame Tubes, etc.

			per set
No. 25/F207a/*4909*	"A." Plain Round Tubes	..	74/–
25/F207b/*5209*	"A." Butted Round Tubes	..	78/6
25/F207c/*6609*	"H.M." Plain and Butted Tubes		100/–



FOR TWO GENT.'S SET (only). DOUBLE DIAMOND.

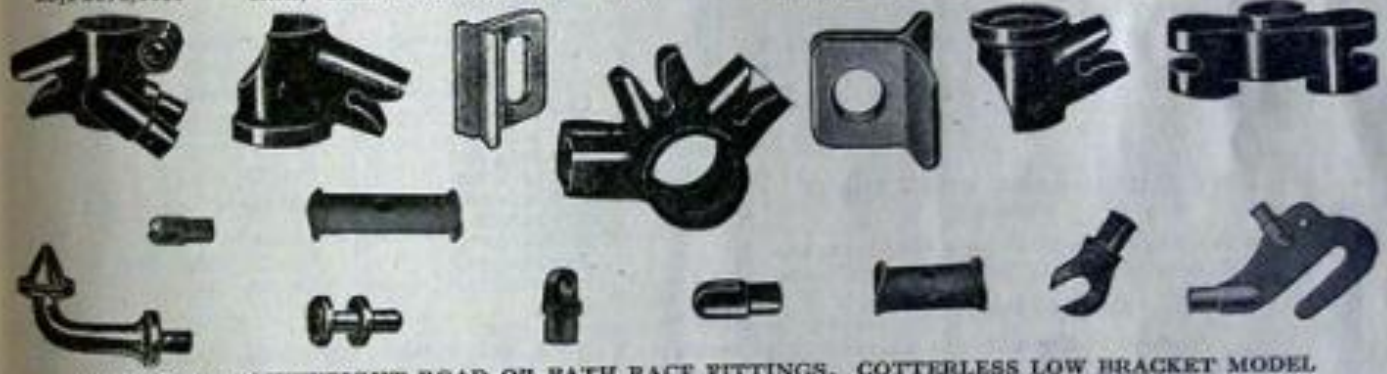
As above, but with the following variations: Bottom Head Lug. Top Diamond Frame Lug.

No. 25/F210a/*3008* .. .. per set 46/–

As above, with "Reynolds" complete set of all Frame Tubes, Head Tube, Screwed Head Stem, Round Tapered Chain and Seat Stays and Front Forks.

			per set
No. 25/F211a/*4703*	"A." Plain Round Tubes	..	70/–
25/F211b/*5003*	"A." Butted Round Tubes	..	75/6
25/F211c/*6403*	"H.M." Plain and Butted Tubes		86/9

Cut-away and Fish-tailed lugs can be supplied at an extra charge



"VINDEC" LIGHTWEIGHT ROAD OR PATH RACE FITTINGS. COTTERLESS LOW BRACKET MODEL

For 1⅛" Tubes and 1" Parallel Top. Straight Round Tapered Chain Stays. Comprising the following parts:

		For Standard Frame.	For Upright Frame.	
Crown D, 1⅛"	Top Head Lug	1⅛" × 1" × 68°	1⅛" × 1" × 73°	Rear Fork End Plates
Seat Lug Eyes	Bottom Head Lug	1⅛" × 1⅛" × 67°	1⅛" × 1⅛" × 61°	Front Fork Ends
Bottom Stay Eyes	Seat Lug	1⅛" × 1" × 68°	1⅛" × 1" × 73°	Chain and Seat Stay Strut
Chain Stay Eyes	Bracket Shell	1⅛" × 1⅛" × 1⅛" C.L. 68° and 59½°	1⅛" × 1⅛" × 1⅛" C.L. 61° and 65°	Pump Pegs (Pair)
Chain Hook				Mudguard Eyes (Pair)
				Reflector Eye

FOR STANDARD FRAME Complete as above.

For ¼" Chain Stays.

No. 25/F250g/*700* With Plain Lugs. .. per set 9/3

With Cut-away and Fish-tailed Lugs and Milled Crown.

No. 25/F250L/*706* .. .. per set 10/–

SET OF 4 STANDARD FRAME LUGS

Comprising: Top and Bottom Lug, Seat Lug, Bracket Shell as above.

Plain.

No. 25/F250w/*206* .. .. per set 3/6

Cut-away and Fish-tailed.

No. 25/F250z/*300* .. .. per set 4/3

FOR UPRIGHT FRAME Complete as above.

For ¼" Chain Stays. For ⅜" Chain Stays.

With Plain Lugs.

No. 25/F251a/*700* per set 9/3 No. 25/F251g/*700* per set 9/3

Wit Cut-away and Fish-tailed Lugs and Milled Crown.

No. 25/F251d/*706* per set 10/– No. 25/F251L/*706* per set 10/–

SET OF 4 UPRIGHT FRAME LUGS

Comprising: Top and Bottom Lugs, Seat Lug, Bracket Shell as above.

With Plain Lugs.

No. 25/F251t/*206* per set 3/6 No. 25/F251w/*206* per set 3/6

Cut-away and Fish-tailed.

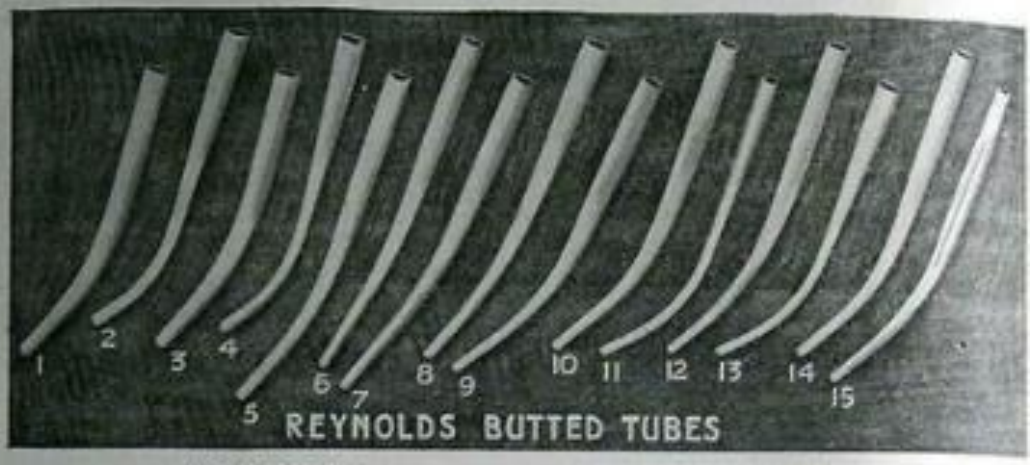
No. 25/F251x/*300* per set 4/3 No. 25/F251z/*300* per set 4/3

Can be supplied with ¼" or ⅜" Ball Races at the same prices.

Brown Brothers

FRONT FORK BLADES (WITH OPEN ENDS)

Pattern Nos.	See List Nos. for Type.
1	25/F383c
2	Supplied to Special Order
3	25/F379d
4	Supplied to Special Order
5	Supplied to Special Order
6	25/F380a
7	25/F380c and 25/F384b
8	Supplied to Special Order
9	25/F380f and t, 25/F384c, and 25/F392c
10	Supplied to Special Order
11	25/F390s
12	Supplied to Special Order
13	25/F384L and 25/F393c
14	25/F380d and s, 25/F384d
15	25/F386c, 25/F387c and 25/F388c



"REYNOLDS" FRONT FORK BLADES

A, BEST QUALITY

Oval to Round. 14 G.

Tandem Size for "Chater Lea."

No. 25/F379d/*209* 2½" rake per pair 4/2

"D" to Round.

For "B.S.A.," "Brampton" or "Sun" Ends.

18 G.

No. 25/F380a/*108* 1½" Rake per pair 2/6
25/F380a/*1906* per doz. pairs —
25/F380c/*108* 2" Rake per pair 2/6
25/F380c/*1906* per doz. pairs —
25/F380d/*108* 2½" Rake per pair 2/6
25/F380d/*1906* per doz. pairs —
25/F380f/*108* 3" Rake per pair 2/6
25/F380f/*1906* per doz. pairs —

18 × 20 Taper Gauge.

No. 25/F390s/*110* 2½" Rake per pair 2/10
25/F380t/*110* 3" " " 2/10

For "Brampton" or "Sun" Tandem Ends.

16 × 14 G.

No. 25/F383c/*209* 3" Rake per pair 4/2

"REYNOLDS" FRONT FORK BLADES ROUND, TAPERED TO ROUND

For "B.S.A.," "Brampton" or "Sun" Ends.

A, QUALITY. 17 × 20 Taper Gauge.

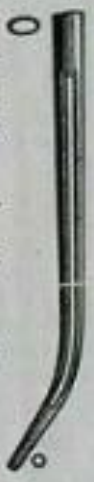
¾" Round, not Fluted, for Path Racer.
No. 25/F386c/*110* 3" Rake per pair 2/10

¾" Round, Fluted, for Path Racer.
No. 25/F387c/*110* 3" Rake per pair 2/10

1" Round, Fluted, for Road Racer.
18 × 20 G.
No. 25/F388c/*110* 3" Rake per pair 2/10

CONTINENTAL FRONT FORK BLADES

(Foreign.) Oval to Round
Size 1⅜" × ⅝" O/S Dia. of fork.
Ribbed for strength and design.
No. 25/F396c/*109* per pair 2/6



"CHATER LEA" FRONT FORK LINERS

Flat Sheet Metal for "D" or Oval Cycle Forks (No. 1449).
No. 25/F410a/2½ per pair –/3

For Oval Tandem Forks (No. 1449–2).
No. 25/F410n/*3* per pair –/4

"REYNOLDS" HIGH MANGANESE

For Strength and Ductility.
As used in Aircraft Construction.
18 × 20 Taper Gauge.
Oval to Round. Continental Pattern.
Size 1⅜" × ⅝" outside diameter of oval to fit ¾" diameter Round Fork Ends.
No. 25/F382c/*302* 3" Rake .. per pair 4/6
Size 1⅜" × ½" outside diameter of oval to fit ½" diameter Round Fork Ends to suit Chater Lea Nos. 25/F431a, t and 25/F431h.
No. 25/F382e/*302* 3" Rake .. per pair 4/6
"D" to Round, 18 × 20 Taper Gauge.
For "B.S.A.," "Brampton" or "Sun" Ends.
No. 25/F384b/*209* 2" Rake .. per pair 4/2
25/F384c/*209* 3" " " 4/2
25/F384d/*209* 2½" " " 4/2
Super-Resilient Curved Taper. 3" Rake.
Oval to Round, Tandem size, for "Chater Lea."
No. 25/F384f/*309* 16 × 20 G. .. per pair 4/2
"D" to Round, Cycle size.
To suit "Brampton," "B.S.A." or "Sun."
No. 25/F384L/*301* 18 × 17 × 20 G. .. per pair 4/2
¾" Round to Round, Cycle size.
To suit "Brampton."
No. 25/F390s/*301* 18 × 17 × 20 G. .. per pair 4/2
"REYNOLDS" No. 531 SUPER STEEL
18 × 20 Taper Gauge.
For "B.S.A." or "Brampton" Ends.
¾" Round.
No. 25/F391c/*211* 2" Rake per pair 4/2
"D" to Round.
No. 25/F392c/*211* 3" Rake .. per pair 4/2
Super-Resilient Curved Taper.
"D" to Round. Cycle size.
18 × 17 × 20 Taper Gauge.
No. 25/F393c/*304* 3" Rake per pair 4/2



FORK CROWNS

BOX CROWNS

FOR "D" FORKS. 1" stem.
"Brampton." Malleable Casting.
Profiled, with Drilled Pockets. No. 810002.
No. 25/F422f/*11* 1⅛" side each 1/2
25/F422f/*1006* per doz. —
Not Profiled or Drilled Pockets. No. 810000.
No. 25/F422e/*6* 1⅛" wide each –/8
Unprofiled for Carrier Cycles. No. 810003.
No. 25/F422k/*9* 2½" side each 1/–
Machined Top with Drilled Pockets.
For Tandems.
1⅛" stem for 1⅜" "D" Forks. 2" wide.
No. 25/F422r/*11* (No. 810601) each 1/2

"B.B.L."

Malleable Casting, Machined all over.
No. 25/F420a/*11* 1⅛" wide each 1/4
25/F420a/*1006* per doz. —

Malleable Casting. Top only Machined.
No. 25/F420c/*6* 1⅛" side each –/8
25/F420c/*500* per doz. —

"B.S.A." Genuine Machined all over.
No. 25/F420r/*300* 1⅛" wide each 3/10
25/F420r/*3406* per doz. —
25/F420s/*300* 1¼" wide each 3/10
25/F420s/*3406* per doz. —

"B.B.L." CHROMIUM PLATED COVERS

For 25/F422e Crowns.
No. 25/F420n/*6* .. .. each
25/F420n/*506* per doz.

BOX CROWNS

Malleable Castings. For Round Forks.

"BRAMPTON"

Profiled, 1" stem, 1⅛" wide.
No. 25/F423b/*101* ⅝", Round (810022)
25/F423f/*102* 1" " (810023)

"SUN" ¾" Round. Machined all over.
No. 25/F424b/*101* 1⅛" wide each

FORK CROWNS AND FRONT AND REAR FORK ENDS



CONTINENTAL DROPPED FORGED STEEL BOX FORK CROWNS
(Foreign.)
Machined and specially cut away.
For Oval Forks. Size 1⅛" × ⅜".
To suit **25/F382c** and **25/F396c** Oval Forks.
With 1⅜" clearance, 1" stem.
No. **25/F427r/208** .. .. each **3/6**



CONTINENTAL DROPPED FORGED STEEL BOX FORK CROWNS
(Foreign.)
Machined and specially cut away.
With 1⅜" clearance, 1" stem.
To suit **25/F382c** and **25/F396c** Oval Forks.
For Oval Forks. Size 1⅛" × ⅜".
No. **25/F427t/208** .. .. each **3/6**
For "D" Forks. Size 1⅛" × ½".
No. **25/F427w/208** .. .. each **3/6**



CONTINENTAL FRONT FORK ENDS
Best Quality Dropped Forging.
To suit **25/F396c** Fork Blades.
With Mudguard Eye. (Foreign.)
With ends to enter ½" dia. Fork Blades.
No. **25/F540/9** .. .. per pair **1/–**
25/F540/700 doz. pairs —



FRONT FORK ENDS
Machined and slotted ⅛", hole ½" and Plain Ends.
For Round End Forks.
"BRAMPTON"
With Mudguard Eye. No. 860201.
No. **25/F537d/9** .. .. per pair **1/–**
Without Mudguard Eye. No. 860200.
No. **25/F537a/8** .. .. per pair **1/–**



STANDARD PATTERN
Complete with Top and Bottom Stay Ends.
PRESSED STEEL
No. **25/F582s/100** per pair **1/6**
"BRAMPTON"
With Top and Bottom Stay Ends.
With Cam Adjusters.
No. **25/F585d/306** .. .. per pair **4/6**



BOX CROWNS MILLED OR GAPPED
For "D" Forks. For 1" Stem.
"B.S.A." Genuine. Machined all over.
No. **25/F426e/300** 1⅛" wide each **3/10**

"Brampton," for "D."
Profiled Malleable Casting with Drifted Pockets. No. 810002.
No. **25/F426m/100** 1⅛" wide each **1/4**
25/F426m/1106 per doz. —

"Brampton," for Round.
Profiled for ⅜". Malleable Casting 810022.
No. **25/F426r/102** 1⅜" wide each **1/7**
25/F426r/1306 per doz. —
Profiled for 1". Malleable Casting 810023.
No. **25/F426s/106** 1⅜" wide each **2/–**

"B.B.L."
Malleable Casting, for "D." 1⅛" wide.
Top only Machined.
No. **25/F427c/7** .. .. each **–/9**
25/F427c/600 per doz. —
Machined all over, for "D" Forks.
No. **25/F427f/101** .. .. each **1/8**
For ⅜" Round Forks.
Milled or Gapped 1⅛" wide.
No. **25/F427L/103** .. .. each **2/–**
Fish-tailed 1⅛" wide.
No. **25/F427m/103** .. .. each **2/–**

"BRAMPTON" SLOPING TOP
Malleable Cast.
Box Crowns. For 1⅛" "D" Forks.
Profiled, for Tandems. 1⅛" stem.
Plain. No. 810600.
No. **25/F432t/11** 2" wide each **1/3**
Milled or capped each end. No. 810600.
No. **25/F432w/101** 2" wide each **1/5**



"CHATER LEA" FRONT FORK ENDS
⅛" Dia. Ends. To suit ⅛" Cycle Spindle.
No. **25/F541h/7** Inset per pair **–/9**
25/F541k/7 Central .. **–/9**
⅜" Dia. Ends. To suit ⅜" Tandem Spindle.
No. **25/F541e/8** Inset per pair **–/10**

"B.S.A."
Machined and slotted ⅛", hole ½", and Plain Ends.
Without Mudguard Eye.
For Round Fork Ends.
No. **25/F539h/9** .. .. per pair **–/11**
25/F539h/603 per doz. pairs —



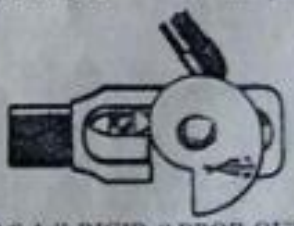
"B.B.L." for OVAL (Continental)
Size of Oval, 1⅛" × ½".
To suit **25/F382e** Oval Forks.
Milled or Gapped.
No. **25/F431a/101** 1⅛" wide each **1/7**
Oval size, 1⅛" × ⅝". Fish-tailed 1⅛" wide.
To suit **25/F382c** and **25/F396c** Oval Forks.
No. **25/F431b/103** .. .. each **2/–**
"Chater Lea." Machined all over.
For "D" Forks.
No. **25/F428c/109** 1⅛" wide each **2/3**
25/F428e/109 1⅛" **2/3**
For ⅜" Round Forks, Cycle.
No. **25/F428p/106** 1⅛" wide each **2/–**
For Oval Forks, Tandem, 1½" stem.
No. **25/F429t/200** 1½" wide each **2/8**



"B.B.L." FLAT DOUBLE PLATE CROWNS
To suit Continental Oval Forks.
Size of Oval, 1⅛" × ½".
To suit **25/F382e** Oval Forks.
No. **25/F431t/202** 1⅝" wide each **3/–**
25/F431w/202 2" .. pair **3/–**



FRONT FORK ENDS "BRAMPTON" TANDEM
Machined and slotted ⅜".
Plain Ends. No. 860631.
Also suitable for **25/F375t** and **w** Short acute 2" Rake Blades by reversing left for right.
No. **25/F537t/10** .. .. per pair **1/1**
With Round Ends to enter ⅜" diameter Fork Blades.
Specially made to suit **25/F375c**, **g** and **p**; also **25/F392g** and **p** Front Forks.
Machined special Angle Slots to suit ⅜" Spindles.
No. **25/F541w/7** Inset per pair **–/9**
25/F541w/609 doz. pairs —
25/F541x/7 Central per pair **–/9**
25/F541x/609 doz. pairs —



"B.S.A." RIGID "DROP-OUT"
Complete with cam adjusters and ½" top and ⅜" bottom stay ends, for ½" flat chain stays.
No. **25/F583d/608** .. per pair **8/10**

FORK ENDS (REAR)—*continued*



"BRAMPTON"
(No. 860229)
"Drop-Out" Pattern, Plain
With loose chain stay ends, and loose bottom stay ends.
No. **25/F587a/103** per pair **1/8**



Regd. Design No. 763780.

"ROSA" DOUBLE REAR FORK END PLATES
Sizes: $\frac{3}{8}$" × $\frac{1}{2}$".
No. **25/F605r/102** per pair **1/6**
Sizes: $\frac{7}{16}$" × $\frac{1}{2}$".
No. **25/F605t/102** per pair **1/6**



CONTINENTAL REAR FORK ENDS
Best Quality Dropped Forging. To suit **25/F821** Chain Stays and **25/F873** Seat Stays.
With Mudguard Eye. (Foreign.)
Seat stay end to enter $\frac{3}{8}$";
Chain stay end to enter $\frac{3}{8}$"
No. **25/F596/105** per pair **2/–**
25/F596/1600 doz. pairs —



FORK END SCREWS
Square Head.
Size $\frac{3}{8}$" × $\frac{3}{8}$" × 32 thread.
"B.B.L." Nickel Plated.
No. **25/F632a/5** per doz. **–/9**
25/F632a/406 per gross —



"DREADNOUGHT" FORK EXPANDER
Registered Design.
Is of great service, springing open the forks when removing front wheel; enables the back tyre to be changed without taking out wheel. Cannot slip.
No. **25/F660d/200** each **2/9**



"CHALLENGE" FORK EXPANDER (Foreign.)
Plated, with fynut screw and rubber-covered lugs to prevent scratching enamel.
Overall length, 5½", suitable for tool bag.
No. **25/F660a/10** .. each **1/3**



"BRAMPTON"
Tandem, "Drop-Out" Pattern.
With loose bottom seat stay end lugs.
For Central Stay (No. 870641)
No. **25/F588a/103** per pair **1/8**
With loose bottom, eyes for Lateral Stay (No. 870640).
No. **25/F588d/103** per pair **2/3**



"CHATER LEA" FORK ENDS (279–280)
For Dropped Chassis or Standard Model Box Carriers, to suit 1" × 16 G. "D" Chain Stays, and ½" × 16 G. "D" Seat Stays, without Mudguard Stay Bolt, complete with Adjusters.
No. **25/F595a/502** per set **6/11**

FORK ENDS PARTS
Fork Ends only, less Adjuster.
No. **25/F595b/309** per pair **5/–**



FORK END SCREWS
"B.B.L."
Nickel Plated.
Hexagon Head.
Size: $\frac{3}{8}$" × ½" × 32 thread.
No. **25/F634a/7** per doz. **1/–**
25/F634a/606 per gross —



"ROSA" IMPROVED FORK EXPANDER
Simple and effective.
No. **25/F660g/303** each **4/11**



"MILLENNIUM" FORK EXPANDER
Improved type for cycle fork.
No. **25/F660m/400** each **5/3**



"CHATER LEA" RIGID
Ordinary slotted, with loose stay eyes (**less** adjuster).
Cycle. No. 684–3.
No. **25/F591a/10** per pair **1/1**
25/F591a/909 doz. pairs —
Tandem. No. 684–2.
No. **25/F591b/10** per pair **1/1**
25/F591b/909 doz. pairs —



"OSGEAR" DOUBLE FORK END PLATES
(No. 25a). (Foreign.)
No. **25/F605z/100** per pair **1/4**
Give perfect adjustment of hub spindle when used in conjunction with the Derailleur Gear.



"JOHN BULL"
Black Rubber. For 1" tubes.
On cards of 1 dozen.
No. **25/F686e/400** per doz. **6/–**



"BROWN" FORK EXPANDER
Simple and easy to use, as the above illustration shows.
No. **25/F660r/506** each **7/6**



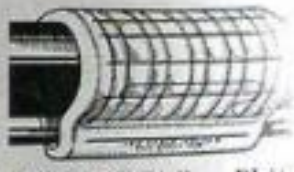
"CHATER LEA" RIGID
Forward opening, with loose stay eyes.
With Chromium adjusters.
Cycle. No. 939–6.
No. **25/F591g/204** per pair **3/1**
Tandem. No. 939.
No. **25/F591h/204** per pair **3/1**
Less adjusters.
Cycle. No. 939–6.
No. **25/F591d/100** per pair **2/4**
Tandem. No. 939.
No. **25/F591e/100** per pair **2/4**



"CHATER LEA" RIGID
Forward opening, with loose stay eyes, non-adjuster type.
Serrated, with ½" slots.
Cycle. No. 1553–1.
No. **25/F591r/10** per pair **1/1**
Tandem. No. 939–3.
No. **25/F591s/11** per pair **1/2**
Plain, with ½" slots.
Cycle. No. 1553.
No. **25/F591t/9** per pair
Tandem. No. 939–2.
No. **25/F591w/10** per pair



"SIMPLEX" DOUBLE FORK END PLATES
(Foreign.)
Specially suitable for "Simplex" Derailleur Gears.
No. **25/F606/10** per pair



"BRITANNIA" BLACK RUBBER FRAME PROTECTOR AND CABLE HOLDER COMBINED
Made to spring on 1" top tube.
Packed on display show card of 8 to retail at –/6 each.
No. **25/F687/208** card 4

FORK ENDS (REAR)—*continued*



"BRAMPTON"
(No. 860220)
"Drop-Out" Pattern, Plain
With loose chain stay ends, and loose bottom stay ends.
No. 25/F587L/*103* per pair 1/8



Regd. Design No. 763786

"ROSA" DOUBLE REAR FORK END PLATES
Sizes: ⅜" × ½".
No. 25/F605r/*102* per pair 1/6
Sizes: ⅜" × ⅝".
No. 25/F605t/*102* per pair 1/6



CONTINENTAL REAR FORK ENDS
Best Quality Dropped Forging. To suit 25/F821 Chain Stays and 25/F873 Seat Stays.
With Mudguard Eye. (Foreign.)
Seat stay end to enter ⅜"
Chain stay end to enter ⅜"
No. 25/F596/*108* per pair 2/–
25/F596/*1600* doz. pairs —



FORK END SCREWS
Square Head.
Size ⅜" × ⅜" × 32 thread.
"B.B.L." Nickel Plated.
No. 25/F632a/*5* per doz. –/9
25/F632a/*406* per gross —



"DREADNOUGHT" FORK EXPANDER
Registered Design.
Is of great service, springing open the forks when removing front wheel; enables the back tyre to be changed without taking out wheel. Cannot slip.
No. 25/F660d/*200* each 2/9



"CHALLENGE" FORK EXPANDER (Foreign.)
Plated, with 8mm screw and rubber-covered lugs to prevent scratching enamel.
Overall length, 5½", suitable for tool bag.
No. 25/F660a/*10* .. each 1/3



"BRAMPTON" Tandem, "Drop-Out" Pattern.
With loose bottom seat stay end lugs.
For Central Stay (No. 870641)
No. 25/F588a/*103* per pair 1/8
With loose bottom, eyes for Lateral Stay (No. 870640).
No. 25/F588d/*108* per pair 2/3



"CHATER LEA" FORK ENDS (279–280)
For Dropped Chassis or Standard Model Box Carriers, to suit 1" × 16 G. "D" Chain Stays, and ¾" × 16 G. "D" Seat Stays, without Mudguard Stay Bolt, complete with Adjusters.
No. 25/F595a/*502* per set 6/11

FORK ENDS PARTS
Fork Ends only, less Adjuster.
No. 25/F595b/*309* per pair 5/–



FORK END SCREWS
"B.B.L."
Nickel Plated.
Hexagon Head.
Size: ⅜" × ½" × 32 thread.
No. 25/F634a/*7* per doz. 1/–
25/F634a/*606* per gross —



"ROSA" IMPROVED FORK EXPANDER
Simple and effective.
No. 25/F660g/*303* each 4/11



"MILLENNIUM" FORK EXPANDER
Improved type for cycle fork.
No. 25/F660m/*400* each 5/3



"CHATER LEA" RIGID
Ordinary slotted, with loose stay eyes (less adjuster).
Cycle. No. 684–3.
No. 25/F591a/*10* per pair 1/1
25/F591a/*909* doz. pairs —
Tandem. No. 684–2.
No. 25/F591b/*10* per pair 1/1
25/F591b/*909* doz. pairs —



"OSGEAR" DOUBLE FORK END PLATES
(No. 25a). (Foreign.)
No. 25/F605z/*100* per pair 1/4
Give perfect adjustment of hub spindle when used in conjunction with the Derailleur Gear.



"JOHN BULL"
Black Rubber. For 1" tubes.
On cards of 1 dozen.
No. 25/F686e/*400* per doz. 6/–



"BROWN" FORK EXPANDER
Simple and easy to use, as the above illustration shows.
No. 25/F660r/*506* each 7/6



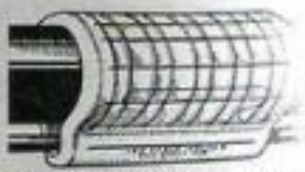
"CHATER LEA" RIGID
Forward opening, with loose stay eyes.
With Chromium adjusters.
Cycle. No. 939–6.
No. 25/F591g/*204* per pair 3/1
Tandem. No. 939.
No. 25/F591h/*204* per pair 3/1
Less adjusters.
Cycle. No. 939–6.
No. 25/F591d/*100* per pair 2/4
Tandem. No. 939.
No. 25/F591e/*100* per pair 2/4



"CHATER LEA" RIGID
Forward opening, with loose stay eyes, non-adjuster type.
Serrated, with ⅛" slots.
Cycle. No. 1553–1.
No. 25/F591r/*10* per pair 1/1
Tandem. No. 939–3.
No. 25/F591s/*11* per pair 1/2
Plain, with ⅛" slots.
Cycle. No. 1553.
No. 25/F591t/*9* per pair 1/1
Tandem. No. 939–2.
No. 25/F591w/*10* per pair 1/1

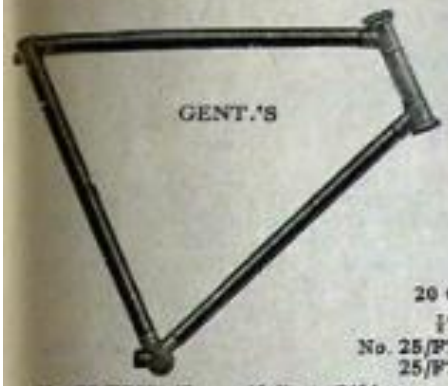


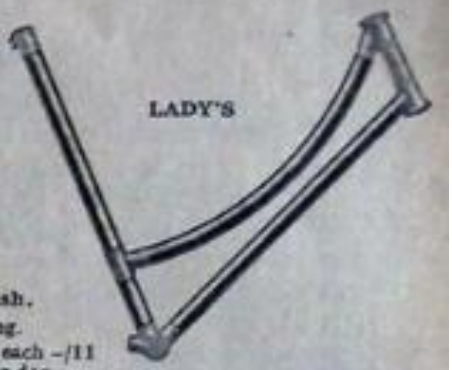
"SIMPLEX" DOUBLE FORK END PLATES
(Foreign.)
Specially suitable for "Simplex" Derailleur Gears.
No. 25/F606/*10* per pair 1/1



"BRITANNIA" BLACK RUBBER FRAME PROTECTOR AND CABLE HOLDER COMBINED
Made to spring on 1" top tube.
Packed on display show card of 8 to retail at –/6 each.
No. 25/F687/*208* card 4/–

FRAME TUBES





"ACCLES AND POLLOCK" WELDLESS STEEL ROUND FRAME TUBES

18 Gauge Straight Plain Gauge Tubes. Bright Finish.

No. 25/F700b/8 1" dia. × 24" long each 1/-
25/F700b/709 per doz. —
25/F701b/8 1¼" dia. × 24" long each 1/-
25/F701b/709 per doz. —

20 Gauge Straight Plain Gauge Tubes. Bright Finish.

¾" dia. × 24" long.
No. 25/F702b/7 .. each -/11
25/F702b/609 per doz. —

1¼" dia. × 24" long.
No. 25/F704c/7 .. each -/11
25/F704c/609 per doz. —

No. 25/F703b/7 1" dia. × 24" long. .. .. .. each -/11
25/F703b/609 per doz. —

No. 25/F704f/9 1¼" dia. × 27" long .. .. .. each 1/2
25/F704f/806 per doz. —

22 Gauge Straight Plain Gauge Tubes. Bright Finish.

No. 25/F706b/8 1" dia. × 24" each 1/-
25/F706b/703 per doz. —
25/F707b/8 1¼" dia. × 24" each 1/-
25/F707b/703 per doz. —

20 Gauge Curved Loop Tubes ¾" dia.

Bright Finish.

(For Ladies' Frames)

No. 25/F710a/9 For 7" Heads each 1/1

20 Gauge for Head 1¼" dia.
"A" Best Quality.

No. 25/F712p/100 24" long each 1/5

Chrome Molybdenum.

No. 25/F713p/209 24" long .. each 3/-
25/F713m/709 7½" .. per doz. 11/6

For SCREWED and SLOTTED BUTTED HEAD STEMS
See page 149.

"CHATER LEA" CURVED LOOP TUBES

For Standard Model Box Carrier Tricycles.
1¼" dia. × 14 gauge. 46" long.
No. 25/F733c/211 .. .. each 4/3

TAPERED FRAME TUBES FOR "GRANBY" TAPERED TUBE FRAMES

"A. & P." Chrome Molybdenum.

For Standard Set.

Top Tube: ¾" to 1¼", 22 G.
No. 25/F728a/209 21½" long each 4/-
25/F728aa/209 23" 4/-

Bottom Tube: 1" to 1¼", 22 G.
No. 25/F728b/209 21½" long each 4/-
25/F728bb/209 23" 4/-

Seat Tube: 1¼" to 1½" 22 G.
No. 25/F728c/209 22" long each 4/-
25/F728d/209 26" 4/-

TAPERED FRAME TUBES FOR "GRANBY" TAPERED TUBE FRAMES

"Reynold's" High Manganese.

For Upright Set.

Top Tube: 1" Parallel × 23" long, 24/20 G,
No. 25/F729a/108 .. .. each 2/6

Bottom Tube: 1¼" to 1½" × 24" long, 22 G.
No. 25/F729b/304 .. .. each 5/-

Seat Tube: 1¼" to 1½" × 26" long, 24 G.
No. 25/F729c/306 .. .. each 5/3

"ACCLES AND POLLOCK" CHROME MOLYBDENUM STEEL ROUND FRAME TUBES

For Greater Strength and Lightness.

GENT.'S (Sets of 4), 1" or 1¼" and 1½" Head.
Plain Gauge, 22 Gauge.

No. 25/F719a/407 .. .. per set 6/10

Stocked in the following lengths:

Top Tube	1" × 23" long
Bottom Tube	1¼" × 22½" ..
Seat Tube (Plain)	1¼" × 23½" ..
Head (Plain Gauge) ..	1½" × 7½" ..

TUBES FOR "CHATER LEA" CARRIER TRICYCLE FITTINGS

For Dropped Chassis Model

		each
/110	Head to Bracket 1¼" × 16 G.	2/5
/104	.. .. .. 1¼" × 16 G.	1/8
/102	Front Down Tube 1¼" × 16 G.	1/7
/10	Seat Tube 1¼" × 17 G.	1/2
		per doz.
/509	Bridge and ends for Seat Stays	7/9
		each
/5	Bracket to Strut Bridge 1¼" × 16 G.	-/7



"B.B.L." VICE TUBE CLAMP

To hold tubes in vice, from sizes ranging ¾" to 1¼" dia. to prevent damage whilst filing or sawing.

A very popular and handy tool, required in every workshop. Malleable Cast Steel Jaws with spring steel clamp.

No. 25/T740/606 .. .. .. each 8/6

COMPLETE SETS OF TUBES FOR "CHATER LEA" DROP CHASSIS MODEL BOX CARRIER TRICYCLE FITTINGS

Including Front Down Tube 1¼" × 16 G. × 28½" long, Seat Tube 1¼" × 17 G. × 21½" long, straight Seat Stays ¾" D × 16 G. × 18½" long, straight Chain Stays 1" D × 16 G. × 13" long, Extension Tube 1¼" round × 16 G. × 4½" long, Top Tube Head to Bracket 1¼" round × 16 G. × 30½" long, Bottom Tube Head to Bracket 1¼" round × 16 G. × 29½" long.

Tubes complete.

No. 25/F733d/902 .. per set 12/2



"REYNOLDS" BUTTED FRAME TUBES, WITH FRONT FORKS, CHAIN AND SEAT STAYS

For Brampton's Road Racer Fittings, comprising: Butted Frame Tubes, Outside Head Tube, "D to Round" Taper Gauge Front Forks, Round Tapered Seat Stays and Round Tapered Fluted Chain Stays.

Complete set of 10 Tubes, packed in cardboard box.

"A" BEST QUALITY

19 × 22 G. To make up any size Frames, 21", 22", 23" or 24"
No. 25/F740a/906 For 26" wheels .. .. per set 14/3

Can also be supplied with Round Taper Gauge Front Forks and Plain Tapered Chain Stays if required.

FRAME CHAIN AND SEAT STAY BRIDGES, ETC.—*continued*



CHAIN STAY BRIDGE
"CHATER LEA"

1⅛" Round × ¼" D to suit Standard or Dropped Chassis (No. 1417).
No. 25/F916c/*201* .. .. each 2/9

"BRAMPTON" For Tandems.
1⅛" × ¼" Round. (870600)
No. 25/F912b/*103* .. .. each 1/8

1⅛" × ¼" Round. (870602)
No. 25/F912e/*103* .. .. each 1/8



"B.B.L." STRUT JOINT
For Cranked Chain Stays.
No. 25/F920k/*100* .. .. per doz. 2/6



BOTTOM SEAT STAY END LUGS, ROUND, TO SUIT RIGID FRAMES

"B.S.A." Genuine. ⅜" Round.
No. 25/F957b/*101* .. .. per pair 1/5
25/F957b/*1206* per doz. pairs —

"B.B.L." Slotted at Angle,
⅜" Round, for No. 25/F865d.
No. 25/F957c/*3½* .. .. per pair –/4½
25/F957c/*302* per doz. pairs —

⅜" Round, Special Small Round Stays, for No. 25/F860d.
No. 25/F957d/*3* .. .. per pair –/4

"B.B.L." for Brampton or Sun
⅜" Round, Slotted at Angle.
No. 25/F957e/*3* .. .. per pair –/4

"Brampton" ⅜" Round for Tandem Slotted at Angle. (No. 870651)
No. 25/F957k/*3* .. .. per pair –/4

"CHATER LEA" GENUINE
⅜" Round for Tandem (No. 709–1).
No. 25/F957s/*3* .. per pair –/4
⅜" Round for Cycle (No. 709–3).
No. 25/F957w/*3* .. per pair –/4
⅜" Round for Cycle (No. 709–4).
No. 25/F957x/*3* .. .. per pair –/4



DISTANCE STRUT PIECE
For Lady's loop tubes.
"B.B.L."
No. 25/F991a/*103* .. .. per doz. 3/–

"B.S.A." Genuine
No. 25/F991d/*607* .. .. per doz. 8/10



"CHATER LEA" CHAIN STAY EXTENSION STRUT LUG (No. 1494)
¾" round × ⅝" oval for No. 14a Tandems.
No. 25/F917/*11* .. .. each 1/2



SEAT STAY BRIDGES
For ¾" D Stays. Roadster or Racing.
Best Quality.
No. 25/F935a/*10* .. .. each 1/2

"B.S.A." GENUINE
Pattern B10 Roadster.
No. 25/F935f/*106* each 2/–



"BRAMPTON" SEAT STAY STRUT
2⅛" for Cycle or Tandem (No. 860050).
No. 25/F938a/*104* .. .. per doz. 1/9



TOP STAY END LUGS FOR ROUND STAYS TO SUIT RIGID FRAMES
¾" Spigot.

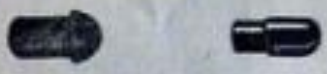
"B.S.A." Genuine. ⅜" Round.
No. 25/F958a/*101* .. .. pair 1/5
25/F958a/*1206* doz. pairs —

"B.B.L."
⅜" Round, ¾" Spigot, for 25/F865d.
No. 25/F958c/*4½* .. .. per pair –/5½
25/F958c/*402* per doz. pairs —

"Brampton" (No. 870303). ¾" Round.
No. 25/F958f/*4* .. .. per pair –/5
25/F958f/*209* per doz. pairs —

·669" Round for **"Brampton" Tandem** (No. 870650)
No. 25/F958k/*4½* .. .. per pair –/6

"Chater Lea"
⅜" for ¾" Round, ¾" Spigot (No. 683).
For Cycle or Tandem.
No. 25/F958s/*4* .. .. per pair –/5½
⅜" for ¾" Round, ¾" Spigot (No. 683–2).
For Cycle.
No. 25/F958t/*4* .. .. per pair –/5½



CHAIN STAY END LUGS
To suit Fork Ends for Rigid Frames.
"Chater Lea."
⅜" round. Cycle (No. 940–2).
No. 25/F919b/*3* .. .. per pair –/4
¾" round. Tandem (No. 940).
No. 25/F919c/*3* .. .. per pair –/4

"B.B.L." for "Brampton" or "Sun."
⅜" round.
No. 25/F919f/*3½* .. .. per pair –/4½



BRIDGE PIECE
For ¾" D Cranked Seat Stays.
"B.B.L."
No. 25/F938f/*100* .. .. per doz. 2/6



CHAIN STAY STRUT. 1⅛" for Cycle.
"BRAMPTON" (No. 860000).
No. 25/F938L/*10* .. .. per doz. 1/1

"CHATER LEA" No. 1574.
No. 25/F938n/*202* ⅜" dia. per doz. 3/–



BOTTOM SEAT STAY ENDS
For D section Stays.
Best Quality.
For ¾" D.
No. 25/F955b/*5* .. .. per pair –/7
For ¼" D.
No. 25/F955c/*5* .. .. per pair –/7



"CHATER LEA" TOP STAY END LUGS
For Round Stays to suit Rigid Frames.
With Sloping Sides.
⅜" for ¾" Round, ¾" Spigot (No. 1588).
For Cycle or Tandem.
No. 25/F958w/*6* .. .. per pair –/7
25/F958w/*603* per doz. pairs —
⅜" for ¼" Round, ¾" Spigot (No 1588–1).
For Cycle.
No. 25/F958x/*5* .. .. per pair –/5½
25/F958x/*402* .. per doz. pairs —

FREE WHEELS



"B.B.L." FREE WHEEL

Fitted with 2 full rows of Balls.

Good Quality. (British Make.)

	½" pitch.		each
No. 25/F1211e/*106*	16 T. × ½"		2/6
25/F1211g/*106*	18 T. × ½"		2/6
25/F1211k/*106*	20 T. × ½"		2/6
25/F1212e/*106*	16 T. × ⅝"		2/6
25/F1212g/*106*	18 T. × ⅝"		2/6
25/F1212k/*106*	20 T. × ⅝"		2/6
	½" pitch.		each
No. 25/F1213d/*108*	15 T. × ½"		2/8

Also Screwed Specially to customer's own pattern.

/*406* .. .. .. each 6/9



"LION SUPERB" FREE WHEEL

Ball Bearing. British Make.

18 Teeth × ½" Pitch × ⅛".

No. 25/F1223g/*105* .. each 2/3
25/F1223g/*1606* per doz. —



MINIATURE FREE WHEELS

14 teeth, ½" pitch × ⅛".
1" × 20 Thread.

"B.B.L." Plain Bearing.

No. 25/F1247c/*11* .. each 1/4
25/F1247c/*1609* per doz. —

"B.B.L." Ball Bearing.

No. 25/F1247m/*104* .. each 1/10
25/F1247m/*1509* per doz. —

"B.W." Plain Bearing.

No. 25/F1249c/*100* .. .. each 1/6

"B.W." Ball Bearing.

No. 25/F1249m/*105* .. .. each 2/1



"B.W." FREE WHEEL

½" pitch.

No. 25/F1253e/*108*	16 T. × ½"	each	2/9
25/F1253g/*108*	18 T. × ½"	..	2/9
25/F1253k/*108*	20 T. × ½"	..	2/9
25/F1254g/*108*	18 T. × ⅝"	..	2/9
25/F1254k/*108*	20 T. × ⅝"	..	2/9



"PEERO" FREE WHEEL

Best Quality. (British Make.)

	½" pitch.		each
No. 25/F1230e/*108*	16 T. × ½"		2/9
25/F1230f/*108*	17 T. × ½"		2/9
25/F1230g/*108*	18 T. × ½"		2/9
25/F1230h/*108*	19 T. × ½"		2/9
25/F1230k/*108*	20 T. × ½"		2/9
25/F1230m/*109*	22 T. × ½"		2/11
25/F1231g/*108*	18 T. × ⅝"		2/9
25/F1231k/*108*	20 T. × ⅝"		2/9





"COVENTRY" ELITE FREE WHEEL

	½" pitch.		each
No. 25/F1265e/*108*	16 T. × ½"	..	2/9
25/F1265f/*108*	17 T. × ½"	..	2/9
25/F1265g/*108*	18 T. × ½"	..	2/9
25/F1265h/*108*	19 T. × ½"	..	2/9
25/F1265k/*108*	20 T. × ½"	..	2/9
25/F1266g/*108*	18 T. × ⅝"	..	2/9
25/F1266k/*108*	20 T. × ⅝"	..	2/9



"VINDEC" FREE WHEEL

British Make, with Cadmium Rustless finish Sprocket, fitted with one full row of large size balls.

	½" Pitch.		each
No. 25/F1240e/*108*	16 T. × ½"	..	2/9
25/F1240g/*108*	18 T. × ½"	..	2/9
25/F1240k/*108*	20 T. × ½"	..	2/9
25/F1241g/*108*	18 T. × ⅝"	..	2/9
25/F1241k/*108*	20 T. × ⅝"	..	2/9

"VINDEC" HEAVY CARRIER CYCLE FREE WHEEL. British Make.

With Two Full Rows of Balls.

Screwed "B.S.A." size, 1⅛" Bore × 24 Thread. 22 Teeth × ½" Pitch × ⅜" Wide. Straw Colour Finish.

No. 25/F1243/*200* .. .. each 3/-

A Free Wheel which can be thoroughly recommended for Carrier Cycle Work.

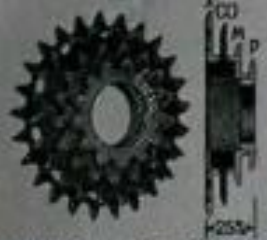
FREE WHEELS—*continued*



"T.D.C." BALL BEARING FREE WHEEL

½" pitch.

No. 25/F1275e/*107*	16 T. × ½"	each	2/6
25/F1275g/*107*	18 T. × ½"	,,	2/6
25/F1276g/*107*	18 T. × ⅝"	,,	2/6
25/F1276k/*107*	20 T. × ⅝"	,,	2/6



"CYCLO" QUADRUPLE FREE WHEEL

For use with "Cyclo" Four-speed Derailleur Gear. Made in the following sizes:

1st Gear: 13, 14, 15, 16 T. × ½" × ½".
2nd Gear: 17, 18, 19 T. × ½" × ½".
3rd Gear: 20, 21, 22 T. × ½" × ½".
4th Gear: 25, 26, 28 T. × ½" × ½".

No. 25/F1294c/*611* Complete, each 9/3

Free Wheel less 1st, 2nd and 4th Gear Sprockets.

No. 25/F1294f/*309* .. .. each 5/-



"PERRY" FREE WHEEL

½" pitch.

No. 25/F1300e/*108*	16 T. × ½"	each	2/9
25/F1300g/*108*	18 T. × ½"	,,	2/9
25/F1300k/*108*	20 T. × ½"	,,	2/9
25/F1300L/*109*½	21 T. × ½"	,,	2/11
25/F1301g/*108*	18 T. × ⅝"	,,	2/9
25/F1301k/*108*	20 T. × ⅝"	,,	2/9
25/F1301m/*109*½	22 T. × ⅝"	,,	2/11

"PERRY" INSET FREE WHEEL

½" pitch × ½". For Double Cog Hubs

No. 25/F1309g/*108*	18 T.	each	2/9
25/F1309k/*108*	20 T.	,,	2/9

"COVENTRY" DOUBLE CROWN FREE WHEEL

For Two-speed Chain Gear.

½" pitch × ½".

Made in sizes, 16/17, 18/19, 18/20 and 19/21.

No. 25/F1270/*303* .. .. each 5/-

"CYCLO" FREE WHEELS

For use with "Cyclo" and "Witmy" Two-speed Chain Gears.

½" × ½".



"Cyclo" Double Cog Free Wheel

Sizes:

Free Wheel, 16, 17, 18, 19, 20, 21 and 22 T.
Sprockets, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 and 28 T.

No. 25/F1284c/*311* complete each 5/3

Free Wheel, less Loose Low Gear Sprocket.

No. 25/F1284f/*210* .. .. each 3/9



"Cyclo" Triple Cog Free Wheel, ½" × ½"

Made in the following sizes:

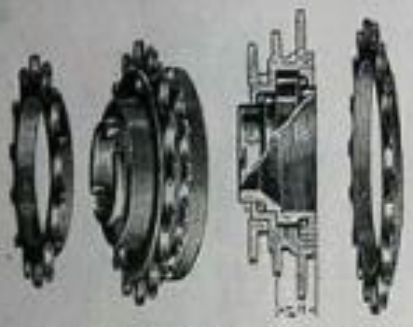
Small: 13, 14, 15, 16, 17, 18 T.
Middle: 17, 18, 19, 20, 21, 22 T.
Large: 18, 19, 20, 21, 22, 23, 24, 25, 26, 28 T.

No. 25/F1290c/*608* .. complete each 7/6

Free Wheel, less Small and Middle Gear Sprockets.

No. 25/F1290f/*309* .. .. each 4/-

Please state sizes of sprocket required when ordering. In order to save delay in delivery, please give us alternative sizes in case we cannot send immediately.





"SIMPLEX" CHAMPION THREE-SPEED FREE WHEELS (FOREIGN)

½" × ½" made in the following sizes:

Boss Type, No. M.3.

High Gear: 14, 15, 16 T. (loose).
Middle Gear: 16, 17, 18 T. (fixed).
Low Gear: 17, 18, 19, 20, 21, 22, 23, 24 T. (loose).

No. 25/F1296b/*605* Complete each 8/6

Plain Type, No. E.3.

High Gear: 16, 17 T. (fixed).
Middle Gear: 17, 18, 19, 20, 21, 22, 23, 24 T. (loose).
Low Gear: 20, 21, 22, 23, 24 T. (loose).

No. 25/F1296p/*605* Complete each 8/6

Can be supplied in low gear, sizes 25 to 30 T.

111 Extra .. .. each 2/6

Can be supplied with Duralumin cogs in lieu of Steel cogs at an extra charge.

SUPER CHAMPION "OSGEAR" THREE-SPEED FREE WHEELS (FOREIGN)

½" × ½" made in the following sizes.

Boss Type

High Gear: 14, 15 T. (loose).
Middle Gear: 16, 17 T. (fixed).
Low Gear: 17, 18, 19, 20 T. (loose).

Complete.

No. 25/F1298b/*605* each 8/6

Plain Type.

High Gear: 16, 17 T. fixed.
Middle Gear: 17, 18, 19 T. (loose).
Low Gear: 20, 21, 22 T. (loose).

Complete.

No. 25/F1298p/*508* each 7/6



"VILLIERS" FREE WHEELS

For Two- and Three-speed Chain Gears.

½" pitch × ½".

Double Cog.

No. 25/F1332e/*303*	16 and 18 T.	each	4/9
25/F1332f/*303*	17 ,, 19 T.	,,	4/9

Triple Cog.

Top Gear: 14, 15 and 16 T.
Middle Gear: 17, 18 and 19 T.
Low Gear: 20, 21, 22 and 23 T.

All sprockets are loose and each bore varies.

No. 25/F1332t/*406* .. .. each 6/-

FREE WHEELS—*continued.*



VILLIERS "MODEL-DE-LUXE"

Fitted with one central full row of balls.
½" pitch.

No. 25/F1322e/*108*	16 T. × ½"	each	2/9
25/F1322f/*108*	17 T. × ½"	..	2/9
25/F1322g/*108*	18 T. × ½"	..	2/9
25/F1322h/*108*	19 T. × ½"	..	2/9
25/F1322k/*108*	20 T. × ½"	..	2/9
25/F1322m/*109*½	22 T. × ½"	..	2/11
25/F1323g/*108*	18 T. × ⅝"	..	2/9
25/F1323k/*108*	20 T. × ⅝"	..	2/9
25/F1323m/*109*½	22 T. × ⅝"	..	2/11

"VILLIERS" CARRIER

Specially suitable for heavy carriers.
22 Teeth. ½" pitch × ⅝" wide.
No. 25/F1337m/*606* 1¼" bore each 9/6

"VILLIERS" INSET FREE WHEEL

For use on double cog hubs. ½" pitch × ½".

No. 25/F1328e/*108*	16 T.	each	2/9
25/F1328g/*108*	18 T.	..	2/9
25/F1328k/*109*	20 T.	..	2/9



FREE WHEEL PAWLS

		per doz.	
No. 25/F1666a/*6*	For "B.S.A."		1/-
25/F1666b/*6*	"B.W."	..	1/-
25/F1666c/*6*	"Coventry"		1/-
25/F1666d/*6*	"Peero"	..	1/-
25/F1666e/*7*	"Perry"	..	1/-
25/F1666h/*106*	"Cyclo"	..	2/-



FREE WHEEL PAWLS

Half-Moon pattern,
for Micrometer Free Wheels.

No. 25/F1668b/*6* .. per doz. 1/-

"CYCLO" (Old pattern up to 1932.)
No. 25/F1668h/*106* .. per doz. 2/-



FREE WHEEL PAWLS "B.B.L."

For Nos. 25/F1211 and 25/F1212.
No. 25/F1669b/*6* .. per doz. 1/-
For Miniature No. 25/F1247.
No. 25/F1669m/*6* .. per doz. 1/-

"SIMPLEX" FREE WHEEL PARTS

No.			
25/F1677a/*106*	Springs	doz.	2/-
25/F1677d/*6*	Pegs	..	1/-



"STURMEY ARCHER" FREE WHEEL

Splined (instead of screwed) to fit Two-speed Hubs.
½" pitch × ⅛".

No. 25/F1316e/*109*	16 T. ..	each	2/9
25/F1316f/*109*	17 T. ..	..	2/9
25/F1316g/*109*	18 T. ..	..	2/9
25/F1316h/*109*	19 T. ..	..	2/9
25/F1316k/*109*	20 T. ..	..	2/9



FREE WHEEL PARTS

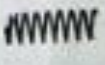
PAWL SPRING

For "B.B.L." or "T.D.C."



No. 25/F1676b/*3* .. per doz. -/9

For Miniature.
No. 25/F1676m/*2* .. per doz. -/6



ROUND FREE WHEEL SPRINGS

B.S.A. size.

No. 25/F1681a/*3* .. .. per doz. -/9
25/F1681a/*200* per gross —



"TERRY'S" FREE WHEEL SPRINGS

In boxes of 1 gross assorted.
No. 25/F1684a/*208* .. .. per box 4/-



"VILLIERS" MIDGET FREE WHEEL

14 T. × ½" pitch × ⅛".
1" bore × 20 thread.
No. 25/F1340a/*101*½ .. .. each 1/8

For Juvenile Tricycle
With Plain Boss ½" Bore.
No. 25/F1340g/*104*½ .. .. each 2/-

FREE WHEEL ADAPTER

½" bore. Outside thread 1⅛" × 24.

This enables a standard size Cycle Free Wheel to be used on shafts when required for special purposes. Being soft it can be turned out by customer to required size of shaft.

No. 25/F1355/*104* .. .. each 2/-
25/F1355/*1506* per doz. —



FREE WHEEL PAWLS "VILLIERS"

For Standard.
No. 25/F1667f/*6* .. per doz. 1/-
For Model-de-Luxe.
No. 25/F1667g/*6* .. per doz. 1/-
For Carrier.
No. 25/F1667k/*7* .. per doz. 1/3

"SIMPLEX"
No. 25/F1667s/*106* .. per doz. 2/-

STURMEY ARCHER FREE WHEEL LOCK RINGS

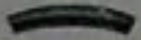
For Splined Free Wheels for Two-speed Hubs.
No. TF. 124.
No. 25/F1660/*504* .. doz. 8/-



FREE WHEEL PAWL SPRINGS

No. 25/F1675a/*4*	"B.S.A."	per doz.	1/-
25/F1675b/*3*	"B.W."	..	-/9
25/F1675c/*3*	"Coventry"	..	-/4
25/F1675d/*3*	"Peero"	..	-/9
25/F1675e/*3*	"Perry"	..	-/9
25/F1675h/*8*	"Cyclo"	..	1/-
	"Sturmey Archer"		
No. 25/F1675m/*3*	..	per doz.	-/9
25/F1675p/*3*	"Villiers"	..	-/9
	"Villiers" Carrier.		
No. 25/F1675r/*4*	..	.. per doz.	1/-

FREE WHEEL PARTS—*continued*



BALL SEPARATORS
For Free Wheels.
No. 25/F1687/*3* .. .. per doz. -/9
25/F1687/*100* per gross —

FREE WHEEL SPACING OR ADJUSTING WASHERS
No. 25/F1689/*3* .. .. per doz. 1/-

For CYCLO FREE WHEEL PARTS see page No. 195.



No. 25/F1688/*205* .. .. per box 3/9

BOX OF SUNDRY REPAIR PARTS FOR FREE WHEELS

Containing:

1 gross of assorted Pawls, Springs, Screws, Rivets, Rollers, Oil Hole Covers, etc.



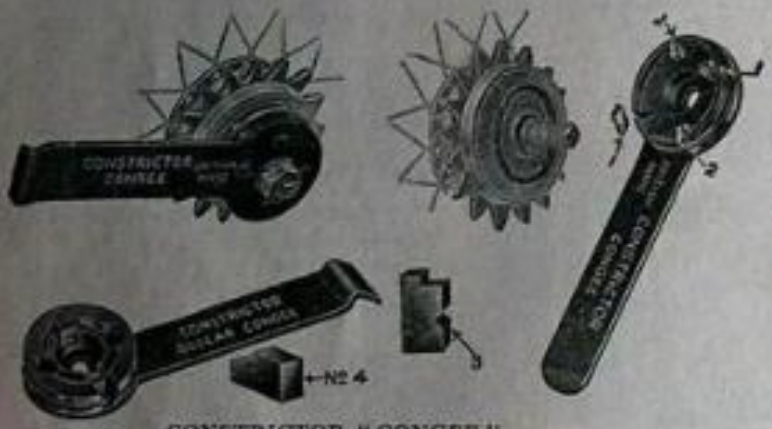
CYCLO "ROSA" SPROCKET REMOVER JIG AND FREE WHEEL HOLDER COMBINED

For bolting down to bench.

Sliding adjusting plate with peg for various size sprockets. A most useful tool for the workshop.

No. 25/F1694/*1006* .. .. each 15/-

FREE WHEEL REMOVERS



CONSTRICTOR "CONGEE" FREE WHEEL REMOVER AND TYRE LEVER

Each spanner is fitted with two pairs of pegs for wide and narrow slots to suit various Free Wheels. Remove spring and take out pegs not required, and replace when not in use. The existing nut and washer on spindle of hub are used to hold spanner in position. It is necessary to do up this nut fairly tight, and when you have released the Free Wheel slightly from the hub, you must naturally loosen the nut to allow it to be unscrewed.

For use with ordinary Free Wheels.
No. 25/F1693c/*203* .. .. each 3/-
For use with "Osgear" Boss Type Free Wheels.
No. 25/F1693e/*203* .. .. each 3/-



"T.D.C." FREE WHEEL REMOVER

With two pegs. For standard Free Wheels.

No. 25/F1693t/*109* .. .. .. each 2/3



CYCLO "ROSA" ADJUSTABLE FREE WHEEL REMOVERS

Will remove Cyclo and all principal makes of Free Wheels.

The screwed pegs can be adjusted to suit the varying peg holes or slots.

Specially suitable for the Workshop.

No. 25/F1693k/*406* .. each 6/9

"CYCLO" FREE WHEEL REMOVING TOOL
PATENT No 428031 REGD DESIGN No 798793



"ROSA" FREE WHEEL REMOVERS

Makes the removal of the tight Free Wheel a simple matter. The remover in vice by the two flats, and with the peg inserted in the slots of Free Wheel, turn the wheel round. The leverage obtained is sufficient to remove the tightest Free Wheel.

Two-peg pattern, for Standard and "Cyclo" Double Free Wheels.
No. 25/F1693g/*102* With narrow pegs each 1/-

Two-peg pattern, for "Cyclo" Triple Free Wheels.
No. 25/F1693h/*102* With wide pegs each 1/-

SIMPLEX FREE WHEEL REMOVERS
(Foreign).
Two Peg Pattern.
For E Type Plain Free Wheels.
No. 25/F1693l/*104* .. .. each 1/-
For M Type Boss Free Wheels.
No. 25/F1693m/*104* .. .. each 1/-



"MILLENNIUM" FREE WHEEL REMOVER

By means of the pointed set screw and sliding jaw, the inner and outer rings of the clutch are held securely together to the frame of the tool, which is held in a vice. It is then an easy matter to unscrew the Free Wheel by turning the wheel.

No. 25/F1693a/*1207* each 17/-

FRONT WHEEL DRIVE



THE HELP-IN-HAND AUXILIARY FRONT WHEEL DRIVE OR GEAR

This device has been invented to assist cyclists when climbing any slight, long, or steep gradients.

British made. Fully Patented.

Comprising the following :—

Free wheel 16T × ⅛" × ½", plate with screwed boss to take free wheel, and with inside plate with bolts and nuts to fit on hub flange, spindle extension nut. Auxiliary handlebar with handles and double stems, guide and clip to fit on existing handlebar stem, fork clip with tubular spring box, chain and long pull rod.

Easily fitted to almost any make or type of cycle. Full instructions with each attachment.

No. 25/F1730/2206 .. .. each 30/–

When ordering please state make and type of machine, whether fitted with Hub Brakes, cable or rod control and if so whether on near or offside.

Operation.—When riding up a hill a cyclist normally pulls on his bars in order to apply more pressure to his pedals. Most of this effort is wasted on the normal type of machine, but when applied to the secondary handlebar incorporated in the "Help-in-Hand," the machine is driven forward without the rider realising he is actually propelling it. This series of strong pulls cuts out all the awkward moments experienced when the machine is almost stationary, with the pedals at top-and-bottom dead centre, thus saving the greatest strain on the legs.

As the rider becomes more conversant with the operation he will be astonished at the ease with which he can surmount gradients.



"B.B." OIL BATH METAL GEAR CASE

Best quality.

Enamelled black (Not lined).

Specially suitable for "Vindec" Popular Model Lightweight Bicycle, with Drop-out Fork Ends.

No. 25/G50e/906 18½" centres for 48 T. wheels each 14/–

Enamelled black, with two rows of gold lines.

Specially suitable for "Vindec" Bicycles, Models "M." and "M.B."

No. 25/G52f/809 18½" centres for 48 T. wheels each 13/3
25/G52L/809 19½" .. .. 48 T. 13/3

Enamelled black, with red and gold lines

Specially suitable for "Vindec" Bicycles, Models "S." and "S.B."

No. 25/G53f/809 18½" centres for 48 T. wheels each 13/3
25/G53L/809 19½" .. .. 48 T. 13/3

Special line. Enamelled plain black.

No. 25/G54d/709 19½" centres for 44 T. wheels each 11/–
25/G54k/709 19½" .. .. 48 T. 11/–
25/G54L/709 20" .. .. 48 T. 11/–

Above Oil Bath Gear Cases are suitable for standard B.S.A. specification with combination brazed up fixed back stays or detachable top back stays.

GEAR CASES



"HALYCON" BLACK CLOTH

With two rows of gold-colour stitching.

No. 25/G10c/300 19½" centres for 44 T. wheels each 4/6
25/G10d/300 19½" .. .. 48 T. 4/6



"HALYCON" BLACK CLOTH

Special Line

(Without colour stitching.)

No. 25/G19c/208 19½" centres for 44 T. wheels each 3/11
25/G19d/208 19½" .. .. 48 T. 3/11



"B.B." ORDINARY METAL GEAR CASE

Enamelled black, without plated disc.

No. 25/G72d/609 19½" centres for 44 T. wheels each 10/–
25/G72g/609 19½" .. .. 48 T. 10/–
25/G72h/609 20" .. .. 48 T. 10/–



GRADOMETER

With clip to fit on ¾" handlebars, chromium-plated brightly-polished case with coloured indicator. This novel indicator registers the rise or fall of roads. Is useful for riders with variable gears and for ascertaining gradients of hills on club runs, road trials, etc.

No. 25/G100/204 .. .. each 3/6

HANDLEBARS AND BENDS

BEST QUALITY MAKE AND FINISH



"HALF DROPPED"
With 1" Forward Lug, 2" Drop, 2" Forward Bend. ⅞" top, ⅞" stem, 7" long.

Nickel Plated.
16" wide.
No. 25/H284L/*301* .. .. each 4/7



"NORTH ROAD" REVERSIBLE
3" Raised or Dropped, 2" Forward Bend.
⅞" top, ⅞" stem, 7½" long.
Chromium Plated.
15" wide.
No. 25/H305n/*600* .. .. each 9/–

Any handlebar, except No. 25/H305n, can be supplied with Expander.
–/6 Extra each –/8
on List Prices

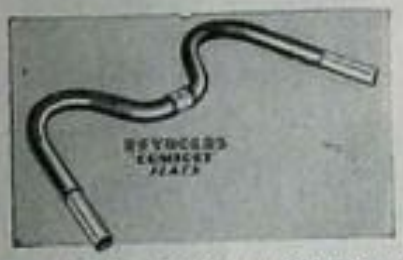


"COMFORT," SEMI-DROPPED
17" Wide, 1½" Dropped.
With ⅜" dia. plated brazed-on ferrules.
Chromium Plated.
No. 25/H338m/*405* .. each 6/7
Black Celluloid Covered.
⅞" dia. including covering.
No. 25/H339m/*306* .. each 5/3

REYNOLDS HIDUMINIUM RR.56 ALUMINIUM ALLOY HANDLEBAR BENDS
Comfort Semi-Dropped.
17" wide, 1½" dropped, ⅞" dia., with ⅜" ferrule. Weight 8¾ oz.
Polished.
No. 25/H339xa/*603* .. each 8/4



"MARSH"
DROPPED LEVEL GRIP
With 1" Forward Lug, 5" Drop, 5" Forward Bend.
⅞" top, ⅞" stem, 5" long.
Chromium Plated. 15" wide.
No. 25/H293h/*604* .. .. each 9/6



REYNOLDS HIGH MANGANESE EXTRA LIGHT TAPER GAUGE
Light in weight, springy though very strong.
20 Gauge in Centre, tapering to 23 Gauge at ends.

"COMFORT," FLAT
Rough, ⅞" dia. with ferrule.
No. 25/H330n/*206* 18" wide each 3/8
With ⅜" dia. brazed-on plated ferrule.
Chromium Plated.
No. 25/H333n/*405* 18" wide each 6/7
Black Celluloid Covered.
⅞" dia. including covering.
No. 25/H334n/*306* 18" wide each 5/3

"REYNOLDS" HIDUMINIUM RR.56
Aluminium Alloy Handlebar Bends.

"COMFORT" FLAT
⅞" dia. with ⅜" ferrule, 18" wide.

No.		each
25/H334xa/*603*	Polished	8/4
25/H334xb/*809*	Jet Black	11/7
25/H334xd/*809*	Gilt	11/7
25/H334xe/*809*	Silver	11/7
25/H334xf/*809*	Pale Blue	11/7
25/H334xg/*809*	Deep Blue	11/7
25/H334xh/*809*	Red	11/7
25/H334xk/*809*	Med.-Green	11/7

"NORTH ROAD" DROPPED
With 1" Forward Lug, 3" Drop, 2" Forward Bend.
⅞" top, ⅞" stem.
7" long.



Nickel Plated.
No. 25/H296n/*301* 18" wide each 4/7
No. 25/H296r/*302* 20" wide .. 4/8
Chromium Plated.
No. 25/H297n/*403* 18" wide each 6/5
No. 25/H297r/*404* 20" wide .. 6/6



"RAISED"
With 1" Forward Lug, 3" Raised Bend. ⅞" top, ⅞" stem, 7" long, 18" wide.
Nickel Plated.
No. 25/H308n/*303* .. each 4/10
Chromium Plated.
No. 25/H309n/*403* .. each 6/5

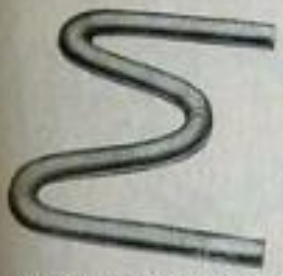
"NORTH ROAD" RAISED
With 1" Forward Lug, 3" Raised, 2" Forward Bend.
⅞" top, ⅞" stem, 7" long.
Nickel Plated.
18" wide.
No. 25/H300n/*301* ea. 4/7
20" wide.
No. 25/H300r/*302* ea. 4/8
Chromium Plated.
18" wide
No. 25/H301n/*403* ea. 6/5
20" wide.
No. 25/H301r/*404* .. .. ea. 6/6



"COMFORT," FULL DROPPED
16½" Wide, 3½" Drop.
With ⅜" plated brazed-on ferrules.
Chromium Plated.
No. 25/H343L/*406* .. .. each 6/6

HANDLEBAR BENDS—*continued*

BEST QUALITY MAKE AND FINISH.



"LAUTERWASSER" PATTERN, FLAT

⅞" dia., 5½" forward bend, Rough, fitted with ⅜" dia. brazed-on rough ferrule.

No. 25/H361h/*106*	15" wide	each	2/3
25/H361L/*107*	16" ,,	,,	2/4
25/H361m/*107*	17" ,,	,,	2/4
25/H361n/*107*	18" ,,	,,	2/4

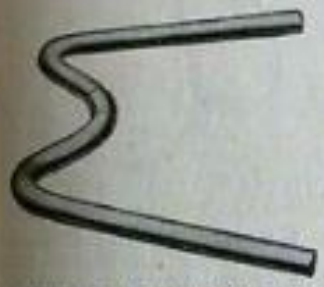
⅞" dia. fitted with ⅜" dia. brazed-on plated ferrules.

Chromium Plated.

No. 25/H363h/*301*	15" wide	each	4/8
25/H363L/*302*	16" ,,	,,	4/9

Black Celluloid Covered, ⅞" dia. including covering.

No. 25/H364h/*210*	15" wide	each	4/3
25/H364L/*211*	16" ,,	,,	4/4



"ANELAY" PATTERN, FLAT

⅞" dia., 2¼" forward bend, 22" wide.

Rough, ⅞" dia., fitted with ⅜" dia. brazed-on rough ferrule.

No. 25/H381r/*107* .. .. each 2/4

⅞" dia., fitted with ⅜" dia. brazed-on plated ferrule.

No. 25/H383r/*301* Chromium each 4/7

Black Celluloid Covered, ⅞" dia. including covering.

No. 25/H384r/*211* .. .. each 4/4



"TOUR DE FRANCE"

The Standard Bend of the Tour 3" forward bend, 6" drop, 16" wide.

⅞" dia., fitted with ⅜" dia. brazed-on ferrule.

			each
No. 25/H411L/*110*	Rough ..	..	2/9
25/H413L/*311*	Chromium Plated		5/10



"BAILEY" PATTERN, DROPPED

Rough, ⅞" dia. fitted with ⅜" dia. brazed-on ferrule.

No.	Wide.	Drop.	Forward Bend.		
25/H401L/*200*	16"	6½"	4"	each	3/–
25/H401m/*200*	17"	6½"	4½"	,,	3/–
25/H401n/*202*	18"	6½"	4½"	,,	3/3

Chromium Plated.

No.	Wide.	Drop.	Forward Bend.		
25/H403h/*311*	15"	6½"	4"	each	5/10
25/H403L/*311*	16"	6½"	4"	,,	5/11
25/H403m/*400*	17"	6½"	4½"	,,	6/–
25/H403n/*400*	18"	6½"	4½"	,,	6/–
25/H403p/*401*	19"	6½"	4½"	,,	6/1
25/H403r/*402*	20"	6½"	4½"	,,	6/3

Black Celluloid Covered ⅞" dia. including covering.

No.	Wide.	Drop.	Forward Bend.		
25/H404h/*302*	15"	6½"	4"	each	4/11
25/H404L/*304*	16"	6½"	4"	,,	5/–
25/H404m/*304*	17"	6½"	4½"	,,	5/–

"REYNOLDS" HIDUMINIUM RR.56 ALUMINIUM ALLOY HANDLEBAR BENDS POLISHED FINISH

"Bailey" Pattern, Dropped.

⅞" dia., 4" forward bend, 6½" drop, with ⅜" dia. ferrule.

16" wide.

No. 25/H404xa/*704* .. .. each 9/9

"BULLA" PATTERN DROPPED HANDLEBAR BENDS

⅞" dia. fitted with ⅜" dia. brazed ferrules. 7" drop, 3½" forward bend, 8" straight top.

Chromium Plated.

No. 25/H423L/*402*	16" wide	each	6/3
25/H423m/*403*	17" ,,	,,	6/4

Similar pattern to Bailey bends but with straight top.

"WYLD" PATTERN, DROPPED

Rough, ⅞" dia., 7" drop, 3½" forward bend. Fitted with ⅜" dia. brazed-on rough ferrule.

No. 25/H596h/*111* 14½" wide each 2/11



"CRANSLEY"

Rough, ⅞" dia. fitted with ⅜" dia. brazed-on rough ferrule.

		Wide.	Drop.		
No. 25/H416L/*105*		16	2"	each	2/1
25/H416n/*105*		18	2½"	,,	2/1



"SPEEN"

⅞" dia., 6" drop, 8" forward bend.

Rough, with ⅜" brazed ferrule.

15" wide

No. 25/H351h/*109* each 2/8

Chromium Plated

No. 25/H353h/*310* 15" wide each 5/9



"SPRENCHLEY" FLAT

1¼" forward bend, 3" Straight Centre. 20" wide

Rough, ⅞" dia. fitted with ⅜" dia., brazed-on ferrule.

No. 25/H371r/*106* .. .. each 2/3

⅞" dia., fitted with ⅜" dia. brazed-on plated ferrule.

Chromium Plated

No. 25/H373r/*301* .. .. each 4/7

Black Celluloid Covered

⅞" dia. including covering.

No. 25/H374r/*210* .. .. each 4/3



"ALL ROUNDER"

2" forward, 4" flat centre, 1½" Drop.

⅞" dia., fitted with ⅜" brazed-on plated ferrule, 2" forward bend.

Rough.

No. 25/H391n/*105* 22" wide each 2/1

Chromium Plated.

No. 25/H393n/*211* 22" wide each 4/5

Black Celluloid Covered.

No. 25/H394n/*211* 22" wide each 4/5



"W" PATTERN FLAT

Rough, ⅞" dia. fitted with ⅜" dia. brazed-on ferrule. 1" forward bend, 5" flat centre.

No. 25/H601r/*105* 20½" wide each 2/2

⅞" dia. fitted with ⅜" dia. brazed-on plated ferrules.

Chromium Plated.

No. 25/H603r/*303* 20½" wide each 4/11

Black Celluloid Covered.

No. 25/H604r/*209* 20½" wide each 4/2

HANDLEBAR BENDS—*continued*

BEST QUALITY MAKE AND FINISH.



"CONTINENTAL"

⅞" dia. with ⅞" dia. brazed ferrules 6½" drop, 4" forward bend.

Rough.

No. 25/H406n/200	15" wide	each	3/-
25/H406p/201	19" "	"	3/2

Chromium Plated.

No. 25/H408n/310	15" wide	each	5/9
25/H408p/311	19" "	"	5/11
25/H408r/600	20" "	"	6/-

Black celluloid covered, ⅞" dia., including covering.

No. 25/H409n/300 15" wide each 4/6

"PELISSIER"

⅞" dia. with ⅞" dia. brazed ferrules, 15¼" wide, 5½" drop, 3½" forward.

Chromium Plated.

No. 25/H518L/310 .. .. each 5/9

"REYNOLDS" HIDUMINIUM RR.56 ALUMINIUM ALLOY HANDLEBAR BENDS POLISHED FINISH

"Continental"

⅞" dia. with ferrule 6½" drop, 4" forward bend.

No. 25/H409xn/705 15" wide each 9/10



FLAT (Ordinary)

Rough, ⅞" dia. fitted with ⅞" dia. brazed-on rough ferrule.

No. 25/H431h/100	15" wide	each	1/6
25/H431L/100	16" "	"	1/6
25/H431m/101	17" "	"	1/7
25/H431n/101	18" "	"	1/7

Chromium Plated.

No. 25/H433h/208	15" wide	each	4/-
25/H433L/208	16" "	"	4/-
25/H433m/209	17" "	"	4/1
25/H433n/209	18" "	"	4/1

Black Celluloid Covered ⅞" dia. including covering.

No. 25/H434g/204	14" wide	each	3/6
25/H434h/204	15" "	"	3/6
25/H434L/204	16" "	"	3/6
25/H434m/206	17" "	"	3/7
25/H434n/206	18" "	"	3/7





"A.V.A." SUPER DURA DURALUMIN HANDLEBAR BENDS

(Foreign.)

(Less Stems.)

Polished ⅞" with Ferrule.

"A. MAGNE"

16½" wide, 6½" drop, 3½" forward.

No. 25/H415xm/600 .. .. each 8/-

"CH. PELISSIER"

15½" wide, 5½" drop, 3½" forward.

No. 25/H415xp/600 .. .. each 8/-

"JEAN AERTS"

15" wide, 5½" drop, 2½" forward.

No. 25/H415xn/600 .. .. each 8/-

"A. LEDUCQ"

15" wide, 6½" drop, 3½" forward.

No. 25/H415xL/600 .. .. each 8/-

See page 143 for "A.V.A." Dura Handlebar Stems.



"BINDA" PATTERN DROPPED

⅞" dia. fitted with ⅞" dia. brazed ferrule. 5½" forward bend, 5½" drop with flat straight centre.

Rough.

No. 25/H426L/109	16" wide	each	2/8
25/H426n/110	18" "	"	2/10

Chromium Plated.

No. 25/H428L/310	16" wide	each	5/9
25/H428n/311	18" "	"	5/11



"CIMALI" ALUMINIUM ALLOY HANDLEBAR BENDS

Highly Polished Finish. 1" diameter without ferrule. (Continental make.)

CHAMPION DU MONDE BEND

16½" wide, 7" drop, 3" forward.

No. 25/H414xc/611 ..



"TOUR DE ANGLETERRE" PATTERN DROPPED

⅞" dia. fitted with ⅞" dia. brazed ferrule. 4" forward bend, 7" drop with flat straight centre.

Rough.

No. 25/H436L/202 16" wide each 3/3

Chromium Plated.

No. 25/H438L/401 16" wide each 6/1



"CIMALI" ALUMINIUM ALLOY HANDLEBAR BENDS

Highly Polished Finish. 1" diameter without ferrule. (Continental make.)

TOUR DE FRANCE

17" wide, 6½" drop, 3½" forward.

No. 25/H414xf/611 .. each

Cimali Alloy Bends are highly polished, does not rub off and leave the hands black when in use.

Very light and exceptionally strong.

NOTE:—These Bends are made in ⅞" diameter as the Continental rider prefers this size, as it enables a better grip and does not put quite such a strain on the muscles as with ⅞" diameter.

HANDLEBAR BENDS—*continued*

BEST QUALITY MAKE AND FINISH



"HIGHGATE" (Shallow Level Grip)

5½" drop, 5½" forward bend.

Rough, ⅞" dia. fitted with ⅜" dia. brazed-on rough ferrule.

No. 25/H446h/*109*	15" wide	each	2/8
25/H446L/*110*	16"	..	..	2/9
25/H446m/*110*	17"	..	..	2/9

Chromium Plated.

No. 25/H448g/*311*	14" wide	each	5/10
25/H448h/*311*	15"	..	..	5/10
25/H448m/*400*	17"	..	..	6/–
25/H448n/*400*	18"	..	..	6/–
25/H448p/*401*	19"	..	..	6/2
25/H448r/*403*	20"	..	..	6/4

Celluloid Covered.

⅞" dia. including covering, fitted with ⅜" dia. brazed-on plated ferrule.

Black.

No. 25/H449g/*301*	14" wide	each	4/8
25/H449h/*301*	15"	..	..	4/8
25/H449m/*302*	17"	..	..	4/9
25/H449r/*303*	20"	..	..	4/11

"HIGHGATE" EXTRA SHALLOW LEVEL GRIP HANDLEBAR BENDS

⅞" dia., 4" drop, 5½" forward bend.

Rough with ⅜" dia. rough brazed-on ferrule.

No. 25/H451m/*110* 17" wide each 2/9

Chromium Plated with ⅜" dia. brazed ferrule.

No. 25/H453h/*311*	15" wide	each	5/10
25/H453m/*400*	17"	..	..	6/–

Black Celluloid Covered, ⅞" including covering fitted with ⅜" plated brazed-on ferrule.

No. 25/H454h/*301*	15" wide	each	4/8
25/H454m/*302*	17"	..	..	4/9

"HIGHGATE" (Shallow Level Grip)

⅞" dia., 5½" drop, 5½" forward bend. With ⅜" dia. ferrule.

"REYNOLDS" HIDUMINIUM RR.56 ALUMINIUM HANDLEBAR BENDS

Polished.

15" wide, weight 9½ oz.

No. 25/H449xa/*701* .. .. each 9/5

16" wide, weight 10 oz.

No. 25/H449xa/*703* .. .. each 9/7

17" wide, weight 10½ oz.

No. 25/H449xa/*704* .. .. each 9/9

18" wide.

No. 25/H449xa/*705* .. .. each 9/11

19" wide.

No. 25/H449xa/*706* .. .. each 10/–



"HIGHGATE" Standard

Nickel Plated, ⅞" dia. fitted with ⅜" dia. brazed-on plated ferrule.

15" wide, 7½" drop, 6" forward bend.

No. 25/H457h/*305* .. .. each 5/2

"ROVER"

⅞" dia., 8" drop, 5" forward bend. Rough, with ferrule.

No. 25/H531n/*109* 18" wide each 2/7



"MAJOR TAYLOR"

⅞" dia., 6" drop, 2½" forward bend. Fitted with ⅜" dia. brazed-on plated ferrule. Nickel Plated.

No. 25/H462n/*209* 18" wide each 4/1

Chromium Plated.

No. 25/H463n/*302* 18" wide each 4/9

"SHIRLEY"

Similar pattern to Major Taylor.

⅞" dia., 6" drop, 3" forward bend. Nickel Plated, ⅞" dia. fitted with ⅜" dia. brazed-on plated ferrule.

No. 25/H542r/*302* 20" wide each 4/9

REAR TANDEM

⅞" dia., 5½" drop, 6½" forward bend, 9" straight top. Fitted with ⅜" dia. brazed-on ferrule.

Chromium Plated.

No. 25/H528p/*311* 19½" wide each 5/10

"Reynolds" Hiduminium is 25% stronger than H.M. and less than one-third its weight, and will appeal to the "lightweight" cyclists.

These colourings are not coatings, but the actual surface of the metal, dyed and at the same time oxidised, which forms a perfect protection against any corrosion.



"LAUTERWASSER" PATTERN DROPPED

⅞" dia., 3½" drop, 5½" forward bend.

Rough ⅞" dia., fitted with ⅜" dia. brazed-on rough ferrule.

No. 25/H466h/*106*	15" wide	each	2/3
25/H466L/*107*	16"	..	..	2/4
25/H466m/*107*	17"	..	..	2/4
25/H466n/*107*	18"	..	..	2/4

Chromium Plated.

No. 25/H468h/*303*	15" wide	each	4/11
25/H468L/*304*	16"	..	..	5/–
25/H468m/*305*	17"	..	..	5/1
25/H468n/*305*	18"	..	..	5/1

Black Celluloid Covered, ⅞" dia., including covering.

No. 25/H469h/*210*	15" wide	each	4/3
25/H469L/*211*	16"	..	..	4/4
25/H469m/*211*	17"	..	..	4/4
25/H469n/*211*	18"	..	..	4/4

Ivory White Celluloid Covered.

⅞" dia. including covering.

No. 25/H469hw/*210*	15" wide	each	4/3
25/H469Lw/*211*	16"	..	..	4/4

"LAUTERWASSER" PATTERN SHALLOW DROPPED

⅞" dia., 2" drop, 5½" forward bend. Fitted with ⅜" dia., brazed-on ferrules.

15" wide.

Chromium Plated.

No. 25/H468hn/*303* .. each 4/11

Black Celluloid Covered, ⅞" dia., including covering.

No. 25/H469hn/*210* .. each 4/3

"REYNOLDS" HIDUMINIUM RR.56 ALUMINIUM ALLOY HANDLEBAR BENDS

POLISHED AND ANODIC COLOURING

"Lauterwasser" Pattern Dropped.

⅞" dia., 5½" forward bend, 3" drop, with ⅜" dia. ferrule.

No.	15" wide.			
25/H469xa/*607*	Polished	each	8/9
25/H469xb/*901*	Jet Black	..	12/–
25/H469xd/*901*	Gilt	..	12/–
25/H469xe/*901*	Silver	..	12/–
25/H469xf/*901*	Pale Blue	..	12/–
25/H469xg/*901*	Deep Blue	..	12/–
25/H469xh/*901*	Red	..	12/–

17" wide.

No. 25/H469xn/*609* Polished each 9/–

HANDLEBAR BENDS—*continued*

BEST QUALITY MAKE AND FINISH



"KRAMER" ORIGINAL BEND

Adopted by all the Stars of the Sprint.

5½" forward bend, 9" drop, 16" wide, ⅞" dia., fitted with ⅜" dia. brazed on ferrule.

No. 25/H536L/*111* Rough .. each 2/10
25/H538L/*111* Chromium .. 5/11

For "HELP-IN-HAND" FRONT WHEEL DRIVE see page 127.



"SIBBIT"

⅞" dia., 8½" drop, 5" forward bend.

Rough, ⅞" dia. fitted with ⅜" dia. brazed-on rough ferrule.

No. 25/H551k/*200* 15½" wide each 3/-

Chromium Plated.

No. 25/H553k/*400* 15½" wide each 6/-

Black Celluloid Covered.

⅞" dia., including covering.

No. 25/H554k/*304* 15½" wide each 5/-



"C.-B." PATTERN DROPPED HANDLEBAR BENDS

(Also known as Shawbury Pattern.)

3¼" drop, 6" forward bend.

Rough, ⅞" dia., fitted with ⅜" dia. brazed-on rough ferrule.

No. 25/H621h/*109* 15" wide each 2/
25/H621L/*109* 16½" 2/

Chromium Plated.

No. 25/H623h/*307* 15" wide each 3/

Black Celluloid Covered, ⅞" dia., including covering, ⅜" Nickel Plated ferrule.

No. 25/H624h/*301* 15" wide each 4/
25/H624L/*301* 16½" 4/

HANDLEBAR STEM EXPANDERS

HANDLEBAR STEM EXPANDERS

To fit ⅞" tube.

Complete with cones and washers.

Nickel Plated.

Good Quality. ⅜" diameter.

No. 25/H648b/3½	6" long	each	-/6
25/H648b/*300*		per doz.	—
25/H648e/3½	8" ..	each	-/6
25/H648e/*302*		per doz.	—
25/H648b/4	10" ..	each	-/6
25/H648b/*308*		per doz.	—
25/H648n/4	12" ..	each	-/6
25/H648n/*309*		per doz.	—

Chromium Plated.

No. 25/H649b/4	6½" long	each	-/6
25/H649e/4½	8½" ..	..	-/7
25/H649b/5	10" ..	..	-/8

Complete with cone less washer ⅜" diameter. To fit 1" tube.

Chromium Plated.

No. 25/H650e/6 8½" long each -/9



HANDLEBAR STEM EXPANDERS

To fit ⅞" tube.

Complete with cones and washers.

Nickel Plated (Foreign).

Special Line. ⅞" diameter.

No. 25/H651e/2½	8½" long	each	-/4
25/H651e/*201*		per doz.	—
25/H651e/*2400*		per gross	—



HANDLEBAR BEND FERRU[illegible]

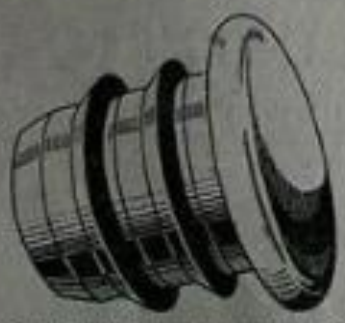
For brazing on ⅞" dia. handlebar[illegible] outside diameter.

No. 25/H645c/*103* "B.B.L." [illegible]

"CHATER LEA" SPLIT FERR[illegible]

(No. 1460)

No. 25/H645k/*106* .. per [illegible]



"SHOCKSTOPS" HANDLEBAR PLUGS

(Regd. Design Pat. Appr. For)

Colours BLACK, RED, BLUE, CREAM, GREEN

"SHOCKSTOP" RUBBER HANDLEBAR END PLUGS OR STOPS

Packed in display cartons of 12 pairs. One pair on showcard, eleven pairs wrapped in cellophane.

No. 25/H646s/*400*	Black	..	doz. pairs	6/-
25/H646t/*400*	Red	..	..	6/-
25/H646w/*400*	Blue	..	..	6/-
25/H646x/*400*	Cream	..	..	6/-
25/H646z/*400*	Green	..	..	6/-

HANDLEBAR MUFFS SEE PAGE 144



DUNLOP HANDLEBAR END STO[illegible]

Black Rubber End Stops or Plugs for handl[illegible] or bends. Fitted with rust[illegible] screw, [illegible] and threaded plate to expand rubber when [illegible] serted in end of bar and so prevent pulling [illegible]

Packed on show cards of 6 pairs.

No. 25/H646/*300* .. .. per card [illegible]

HANDLEBAR STEMS



"B.B.L." HANDLEBAR STEMS CHROMIUM PLATED

⅞" dia. to suit bends with ⅝" dia. ferrules. Fitted with plated bolts, ¼" × 26 T. 6½" long.

Their design and appearance are in keeping with present lightweight cycle requirements.

Fitted with double bolt clip, especially suitable for celluloid covered bends.

Without Expander Bolt.

No. 25/H673c/206	1½" forward	each 3/9
25/H673d/206	2"	.. 3/9

With Expander Bolt.

No. 25/H673n/300	1½" forward	each 4/6
25/H673p/300	2"	.. 4/6

2½" Forward Curved.

With Expander Bolt.

No. 25/H676b/300	.. ..	each 4/6

Without Expander Bolt.

No. 25/H676e/206	.. ..	each 3/9

"B.B.L." ADJUSTABLE HANDLEBAR STEMS

Chromium Plated. With lug, bolt and nut with forward extension. To suit bends with ⅝" dia. ferrules.

SPECIAL LINE WITH FLUSH JOINTS

1½" forward with ⅞" stem for Cycle.

Without Expander Bolt.

No. 25/H683p/207 .. .. .. each 3/10

With Expander Bolt.

No. 25/H683r/300 .. .. .. each 4/6



"B.B.L." QUICK RELEASE ADJUSTABLE HANDLEBAR STEMS

⅞" dia., complete with lug, bolt, nut and washers, and two bush pieces to suit bends with ⅝" dia. ferrules.



Chromium Plated.

With 1" extended forward lug.

Without Expander Bolt.

No. 25/H681c/209	.. ..	each 3/9

With Expander Bolt.

No. 25/H681d/301	.. ..	each 4/3

With 2" extended forward lug.

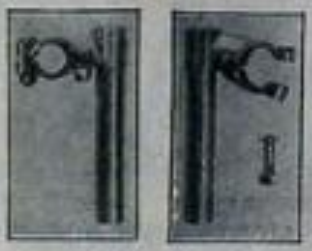
Without Expander Bolt.

No. 25/H681g/211	.. ..	each 3/11

With Expander Bolt.

No. 25/H681h/304	.. ..	each 4/6

BEST QUALITY. MALLEABLE CAST. MACHINED AND WELL FINISHED



⅞" dia. 1½" forward with Hinged Pattern Lug for quick and easy release of Handlebar Bends. Very neat.

Without Expander Bolt.

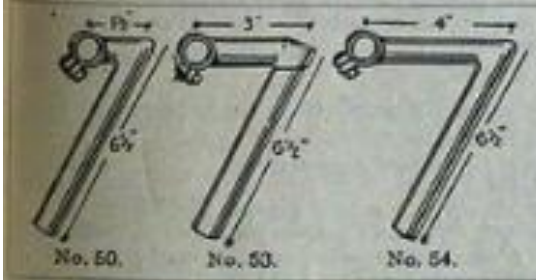
No. 25/H683b/204 each 5/-

2½" forward with 1" stem for Tandem.

Without Hinged Lug.

Without Expander Bolt.

No. 25/H683k/306 each 5/3

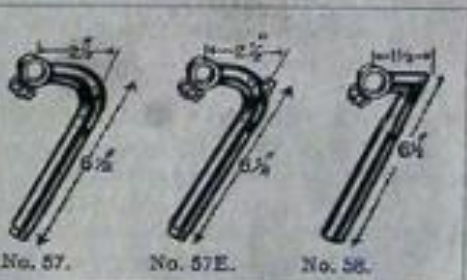


No. 50. No. 53. No. 54.

"ROSA" HANDLEBAR STEMS

⅞" dia. to suit bends with ⅝" dia. ferrules. Fitted with Bolt and Nut, ¼" × 26 T.

Their design and appearance are in keeping with present lightweight cycle requirements.



No. 57. No. 57E. No. 58.

Chromium Plated. Without Expander Bolt.

No. 25/H684h/109	Straight Pattern, 6½" long (No. 51)	each 2/6
25/H685n/204	1½" forward, 6½" long (No. 50) ..	.. 3/6
25/H685p/204	2" .. 6½" .. (No. 52) ..	.. 3/6
25/H685r/204	3" .. 6½" .. (No. 53) ..	.. 3/6
25/H685s/210	4" .. 6½" .. (No. 54) ..	.. 4/3

Chromium Plated. With Expander Bolt.

No. 25/H686p/209 2" forward, 6½" long (No. 52) .. each 4/2

2½" Forward Curved. 6½" long.

Without Expander Bolt. (No. 57.)

No. 25/H737p/200 Chromium Plated .. .. .. each 3/-

With Expander Bolt. (No. 57E.)

No. 25/H737t/206 Chromium Plated .. .. .. each 3/9

For Tandem. 1" dia. stem. 1½" forward. 6½" long to suit ⅝" dia. ferrules. (No. 58).

Without Expander Bolt.

No. 25/H746r/206 Chromium Plated .. .. .. each 3/9

With Expander Bolt.

No. 25/H746x/211 Chromium Plated .. .. .. each 4/5

HANDLEBAR STEMS—*continued*

ADJUSTABLE HANDLEBAR STEMS

5" long × ⅞" to suit bends with ⅞" dia. ferrules.
With Lug Bolt and Nut.

With 1" Extended Forward Lug.

"A. & P." With Flush Joints. No. 1.

Chromium Plated. ⅞" Stem.

No. 25/H700c/*208* Without Expander Bolt each 4/–
25/H700d/*301* With „ „ „ 4/8

For HANDLEBAR MUFFS see page 144.



"B.B.L." "A. & P."

ADJUSTABLE HANDLEBAR STEMS

5" long × ⅞" to suit bends with ⅞" dia. ferrules.
With Lug Bolt and Nut.

With 1" Extended Forward Lug.

"A. & P." With Flush Joints. No. 1.

Chromium Plated. 1" stem.

No. 25/H700k/*300* Without Expander Bolt each 4

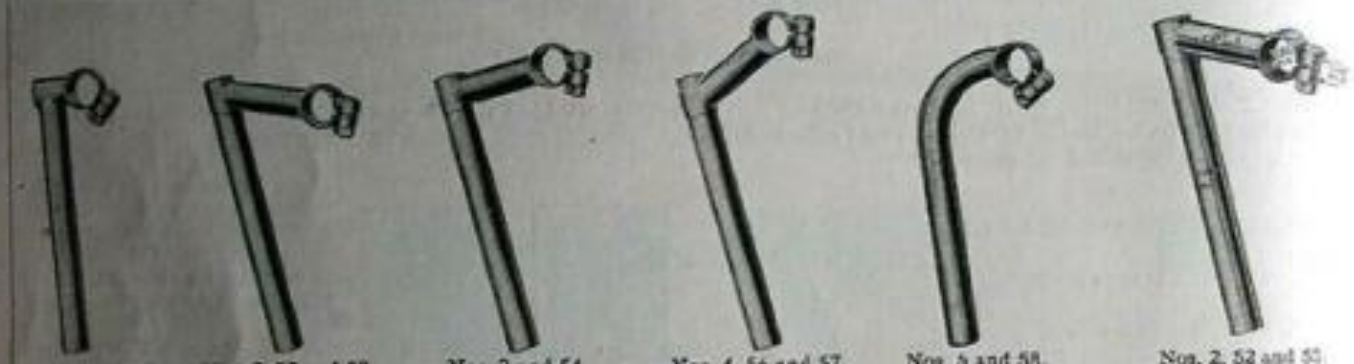
"B.B.L."

Nickel Plated. ⅞" Stem.

No. 25/H701a/*109* Without Expander Bolt each 2
25/H701b/*200* With „ „ „ 3

Chromium Plated. ⅞" Stem.

No. 25/H701c/*200* Without Expander Bolt each 3
25/H701d/*202* With „ „ „ 3



Nos. 1 and 51. Nos. 2, 52 and 53. Nos. 3 and 54. Nos. 4, 56 and 57. Nos. 5 and 58. Nos. 2, 52 and 53.

LIGHTWEIGHT ADJUSTABLE HANDLEBAR STEMS

These Stems are built on an entirely new principle. They are made wholly from tube without any malleable castings or sheet parts. To facilitate fitting, the stem lugs are machined 1" and with each stem two packing pieces or liners are supplied to accommodate standard ⅞" ferrules on bends. By this arrangement they are easily fitted up without damage to plating or celluloid covering of handlebar bends.

All Chromium Plated, ⅞" Stem, with Lug Bolt and Nut.

"A. & P." "KROMO" (CHROME MOLYBDENUM)

With 1" Extended Forward Lug, No. 51.
No. 25/H702c/*311* Without Expander Bolt .. each 5/10

With 2" Dropped Extended Forward Lug, No. 52.
No. 25/H707c/*407* Without Expander Bolt .. each 6/10

With 3" Dropped Extended Forward Lug, No. 53.
No. 25/H709c/*407* Without Expander Bolt .. each 6/10

With 2" Extended Forward Lug, No. 54.
No. 25/H711c/*407* Without Expander Bolt .. each 6/10
25/H711d/*500* With „ „ „ „ 7/6

With 2" Raised Extended Forward Lug, No. 56.
No. 25/H720d/*500* With Expander Bolt .. .. each 7/6

With 3" Raised Extended Forward Lug, No. 57.
No. 25/H721d/*500* With Expander Bolt .. .. each 7/6

With Curved Extended Forward Lug, No. 58.
No. 25/H735b/*308* Without Expander Bolt .. .. each 5/6
25/H739b/*406* With „ „ „ „ 6/9

REYNOLDS "H.M." (HIGH MANGANESE)

With 1" Extended Forward Lug, No. 1.
No. 25/H702p/*311* Without Expander Bolt .. each
25/H702r/*405* With „ „ .. .. „

With 2" Dropped Extended Forward Lug, No. 2.
No. 25/H707p/*409* Without Expander Bolt .. each

With 3" Dropped Extended Forward Lug, No. 2.
No. 25/H709p/*409* Without Expander Bolt .. each
25/H709r/*503* With „ „ .. .. „

With 2" Extended Forward Lug, No. 3.
No. 25/H711r/*503* With Expander Bolt .. .. each

With 3" Extended Forward Lug, No. 3.
No. 25/H712r/*503* With Expander Bolt .. .. each

With 2" Raised Extended Forward Lug, No. 4.
No. 25/H720r/*503* With Expander Bolt .. .. each

With 3" Raised Extended Forward Lug, No. 4.
No. 25/H721r/*503* With Expander Bolt .. .. each

With Curved Extended Forward Lug, No. 5.
No. 25/H735p/*311* Without Expander Bolt .. each
25/H739p/*409* With „ „ .. „

HANDLEBAR STEMS—*continued*

ADJUSTABLE HANDLEBAR STEMS.

8" long × ⅞" to suit bends with ⅞" ferrules, with lug bolt and nut. With Dropped Extended Lug.

CHROMIUM PLATED

Without Expander Bolt.

"A. & P."

With flush joints. No. 2—2" Forward.

No. 25/H703c/302 ⅞" Stem. .. each 4/9
25/H703k/306 1" 5/3

No. 3—3" Forward. ⅞" Stem.

No. 25/H704c/302 ⅞" Stem. .. each 4/9
25/H704k/306 1" 5/3

"B.B.L."

2" Forward. ⅞" Stem.

No. 25/H706c/203 .. .. .. each 3/4

3" Forward.

No. 25/H708c/203 .. .. .. each 3/4



"B.B.L." "A. & P."

With Expander Bolt.

"A. & P."

With flush joints. No. 2—2" Forward.

No. 25/H703d/307 ⅞" Stem. each 5/5

No. 3—3" Forward.

No. 25/H704d/307 ⅞" Stem. each 5/5

"B.B.L."

2" Forward. ⅞" Stem.

No. 25/H706d/206 .. .. .. each 3/9

3" Forward.

No. 25/H708d/206 .. .. .. each 3/9



"A. & P." SPECIAL CONTINENTAL HANDLEBAR STEMS

7" long × ⅞" dia., 3½" forward drop extension. Chromium Plated. Without Expander Bolt.

No. 25/H705/309 .. .. each 5/8



"A. & P." ADJUSTABLE HANDLEBAR STEM

8" long × ⅞" dia. stem.

Chromium Plated. No. 5.

3" Extended. Without Expander Bolt.

No. 25/H710c/302 .. .. .. each 4/9



ADJUSTABLE HANDLEBAR STEMS

5" long overall × ⅞" to suit 1" bends, fitted with expander bolt.

"A. & P." 1" Forward.

Chromium Plated.

No. 25/H724d/205 .. .. each 3/7

"A. & P." 3" Dropped Extended Lug.

Nickel Plated.

No. 25/H728b/211 .. .. each 4/4

Chromium Plated.

No. 25/H728d/304 .. .. each 5/–

"A. & P." CURVED HANDLEBAR STEM

8" long. With lug bolt and nut.

With 3" extension × ⅞" stem.

With Flush Joints, No. 8.

Nickel Plated

No. 25/H736a/205 each 3/7

Chromium Plated.

No. 25/H736b/210 each 4/3

With 4" extension × ⅞" stem.

Nickel Plated.

No. 25/H736e/205 .. .. each 3/7

Chromium Plated.

No. 25/H736f/210 .. .. each 4/3



"B.B.L."

With 3" extension × ⅞" stem.

Chromium Plated.

No. 25/H736m/208 .. each 3/11

"A. & P." CURVED HANDLEBAR STEM

8" long, with lug bolt and nut, fitted with expander bolt. With Flush Joints. No. 8X.

With 3" extension × ⅞" stem.

Chromium.

No. 25/H738b/309 each 5/7

With 3" extension × 1" stem.

Chromium.

No. 25/H738d/401 each 6/1



With 4" extension × ⅞" stem.

No. 25/H738e/302 Nickel each 4/10
25/H738f/309 Chromium .. 5/7

"B.B.L."

With 3" extension × ⅞" stem.

No. 25/H738m/211 Chromium each 4/3



"CAM" SPECIAL ADJUSTABLE HANDLEBAR STEM

7" long × ⅞" dia. with 5" round extension. With Domed Ends.

Complete with adjustable clip, bolts and nuts.

Fitted with Expander Bolt.

No. 25/H740b/303 Chromium each 4/11

Without Expander Bolt.

No. 25/H740e/300 Chromium each 4/6

HANDLEBAR STEMS—*continued*



"ALL ROUNDER" UNIVERSAL ADJUSTABLE STEM
(Patent applied for.)

Any position, any angle, a micrometer adjustment, from a 1" to 3" forward, rise or drop position.

The last word in adjustable stem device.

Fitted with Expander Bolt.
Chromium.
No. 25/H740m/*410* .. each 7/3
Without Expander Bolt.
Nickel.
No. 25/H740p/*310* .. .. each 5/9



"CONSTRICTOR" QUICK ADJUSTABLE HANDLEBAR STEM

¾" dia. Stem, complete with Lug Bolt and Nut to suit bends with ⅞" dia. ferrules. Curved. Chromium plated.

Without Expander Bolt.

No.		each
25/H770b/*303*	1¼" Extended	4/5
25/H770d/*304*	2¼" Extended	4/6
25/H770f/*305*	3¼" Extended	4/7





"A. & P." ADJUSTABLE HANDLEBAR STEM
6" long × ¾" dia. with 7½" square extension, complete with adjustable clip, bolts and nuts.

Fitted with Expander Bolt.
No. 25/H742b/*600* Chromium each 7/6
Without Expander Bolt.
No. 25/H742d/*407* Chromium each 6/10

1" Stem for Tandem. Without Expander.
No. 25/H742dd/*411* Chromium each 7/4



"A. & P." HANDLEBAR STEM AND SEAT PILLAR
Combined for Tandem.
Complete with adjustable clip, bolts and nuts.

With Round Ends for both handlebar clip and saddle clip. Nickel plated.
12" long × 1⅛" dia.
No. 25/H744l/*505* .. .. each 8/2



"CHATER LEA" ADJUSTABLE HANDLEBAR STEM WITH EXTENDED LUG

8" long, to suit bends with ⅞" dia. ferrule with big bolts and nuts.
Chromium Plated.
Without Expander Bolt.
With ¾" Stem. No. 1458–1.
No. 25/H756c/*603* .. .. each 8/3
With 1" Stem. No. 1458–2.
No. 25/H756m/*607* .. .. each 8/10

"B.B.L." ADJUSTABLE HANDLEBAR STEMS
With Lug Bolt and Nut. To suit Bend with ⅞" dia. ferrule.
With ¾" stem for cycle.
Special cut-away and fish-tailed design Lugs.
Continental Style.
Chromium Plated.
No. 25/H682d/*303* 2¼" Forward each 4/3
25/H682f/*303* 3¼" Forward .. 4/3



Webb Type.
"A. & P." ADJUSTABLE HANDLEBAR STEM
6½" long × ¾" dia., with 7½" square extension. **Domed End** fitted with reinforced steel plate. Fitted with expander bolt and nut, complete with adjustable clip, bolts and nuts.
Webb Type.
No. 25/H742f/*510* Chromium each 8/11



"A. & P." HANDLEBAR STEM AND SEAT PILLAR
Combined for Tandem.
12" long × 1⅛" dia., complete with adjustable clip, bolts and nuts. With Square End for handlebar clip and Round End for saddle clip.
No. 25/H744a/*410* Nickel each 7/2
25/H744e/*509* Chromium .. 8/6



Short Wheelbase Tandems.
THE "BREWER" REAR TANDEM ADJUSTABLE HANDLEBAR STEM
(Less Handlebar Clip).
To clip on front seat pin either 1" or 1⅛". Fitted with spare lamp bulb holder at top of stem.
Chromium Plated. Weight 10 oz.
No. 25/H748c/*403* .. .. each 6/6
This special stem also gives a better position for both capes, as they drop down between the bars and saddle.
For Short Wheelbase Tandems.
Chromium plated (Steel).
No. 25/H748s/*202* .. .. each 4/6
Will fit any tandem, but cutting off the rear part of the T Seat Pin the same double clip is used.

HANDLEBAR STEM LUGS—*continued*



"CHATER LEA" BACK TANDEM HANDLEBAR CLIP

⅞", for T pattern seat pillar and ¾" handlebar, No. 1041.

Nickel Plated.

No. 25/H820a/*211* each 3/10

Chromium plated.

No. 25/H820b/*305* each 4/6



"CHATER LEA" HANDLE BAR CLIP LUG

With bolts and nuts.

To suit 1" dia. Box Carrier.

No. 1423.

Tricycle Handlebar.

No. 25/H824a/*304* per pair 4/5

Bolt and nut only. Nickel Plated.

No. 25/H824d/*4½* each –/5½



"CHATER LEA" ADJUSTABLE FORWARD STEM LUG

1½" Forward.

To suit bends with ⅞" diam. ferrules, with Nickel Plated Bolt and Nut.

For ¾" Stem. (No. 756.)

No. 25/H835a/*107* each 2/1

For 1" Stem. (No. 756/4.)

No. 25/H835c/*107* each 2/1



BACK TANDEM HANDLEBAR CLIP "CHATER LEA," No. 1041-1.

1⅛", for Straight or L pattern seat pillar and ¾" handlebar.

Nickel Plated.

No. 25/H821a/*211* each 3/10

Chromium Plated.

No. 25/H821b/*305* each 4/6

"BRAMPTON"

Size, 1⅛" × ⅞".

Chromium plated. (No. 855640.)

No. 25/H818b/*202* each 2/11



"CAM" ADJUSTABLE HANDLEBAR STEM DOUBLE CLIP

Profiled all over. Weight 5 oz. Size, ⅞" × ¾", complete with two Bolts and Nuts.

Chromium Plated.

No. 25/H822b/*108* each 2/6



"B.B.L." ADJUSTABLE FORWARD STEM LUG

For ¾" Stem, to suit bends with ⅞" diam. ferrules, with Bolt and Nut.

3" Dropped.

No. 25/H830r/*11* each 1/3

3" Right Angle.

No. 25/H830d/*11* each 1/3

3" Raised.

No. 25/H830k/*11* each 1/3



"A. & P." ADJUSTABLE HANDLEBAR STEM CLIP

With two bolts and nuts to fit square extension forward stem, and to take handlebar bent fitted ⅞" dia. ferrules.

Nickel Plated.

No. 25/H823a/*111* each 2/[illegible]

Chromium Plated.

No. 25/H823b/*203* each 3/[illegible]



"B.B.L." ADJUSTABLE 1" FORWARD STEM LUG

For ¾" Stem, to suit bends with ⅞" diam. ferrules, with Bolt and Nut.

No. 25/H830a/*9* each [illegible]



"ROSA" HANDLEBAR STEM LUGS

Carefully machined on jigs, and true to size, so as to make clean and easy building up. Polish all over. To suit bends with ⅞" diam. ferrules, to telescope ¾" × 16 or 17 gauge tube. The lightest cast stem Lugs made, and pleasing in appearance.

Complete with Chromium Plated Bolt and Nut.

No. 25/H832a/*10*	For any length extension (A)	each
25/H832b/*8*	Elbow extension for above 80° (B)	..
25/H832c/*11*	With 1½" extension 75° (C)	..
25/H832d/*100*	With 2" oval shape extension 70° (D)	..
25/H832e/*100*	With 3" oval shape extension 75° (E)	..
25/H832h/*106*	Push on end cap ¾" (H)	.. dozen



"CHATER LEA" ADJUSTABLE EXTENDED FORWARD STEM LUG

(No. 756-3.)

3" Forward.

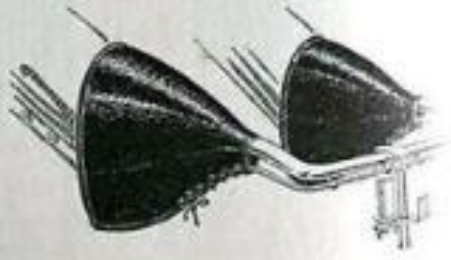
For ¾" stem, to suit bends with ⅞" diam. ferrules, with Nickel Plated Bolt and Nut.

No. 25/H835r/*108* each 2/3

"BROOKE'S" CYCLE HANDLEBAR MUFFS

Black Rubber Cloth, lined with a special needle loom felt. Makes them exceedingly warm and comfortable; also waterproof. Plenty of room is allowed for brakework, etc. Can easily be fitted in a few moments.

No. 25/H860h/*204* per pair 3/6



HEAD CLIPS, ETC.



BOX PATTERN HEAD CLIPS

With hollowed bolt and nut.

Solid Pattern (not Pressed).

"B.B.L." BEST QUALITY

Standard Size $\frac{11}{16}$", for $\frac{1}{2}$" balls.

No. 25/H900a/*101*	Nickel	..	each 1/8
25/H900a/*1206*			per doz. —
25/H900b/*103*	Chromium	..	each 1/10
25/H900b/*1400*			per doz. —
25/H900c/*11*	All Black	..	each 1/3
25/H900c/*1006*			per doz. —

Size 1" full, for $\frac{1}{2}$" balls.

No. 25/H900d/*101*	Nickel	..	each 1/8
25/H900d/*1206*			per doz. —

"B.S.A." GENUINE

Size $\frac{11}{16}$", for $\frac{1}{2}$" balls.

No. 25/H904b/*211* Chromium.. ..each 3/10

"BRAMPTON"

Standard size $\frac{11}{16}$", for $\frac{1}{2}$" balls. For Cycle.

No. 25/H905b/*1409* Chromium (855106) doz. 19/6

Size 1" full, for $\frac{1}{2}$" balls. For Cycle.

No. 25/H906b/*1408* Chromium (855101) doz. 19/6

Size 1" full, with unseated loose ball race and hardened, for $\frac{1}{2}$" balls. For Carrier Cycle. Plain bolt and nut.

No. 25/H906t/*108* Chromium (855104)	each	2/2
25/H906m/*106* Black (858104)	,,	2/–

Size $1\frac{1}{8}$" with inserted race, for $\frac{1}{2}$" balls. Tandem.

No. 25/H906r/*200* Chromium (855620) each 2/8



"CHATER LEA"

Open Pattern.

With plain nut and bolt.

Size 1" full, for $\frac{1}{2}$" balls. No. 1584.

No. 25/H918a/*302*	Nickel	..	each 4/2
25/H918b/*305*	Chromium	..	,, 4/6

Size 1" full, for $\frac{1}{2}$" balls. No. 1080–3.

No. 25/H918h/*308* Chromium ..each 4/10

Size $1\frac{1}{8}$", for $\frac{1}{2}$" balls, for Tandem. No. 1082–1.

No. 25/H918p/*306*	Nickel	..	each 4/8
25/H918r/*309*	Chromium	..	,, 5/–



OPEN PATTERN HEAD CLIPS

With plain bolt and nut.

"B.B.L." BEST QUALITY

Solid Pattern (not Pressed).

Size 1" full, for $\frac{1}{2}$" balls.

Chromium.

No. 25/H901b/*102*		..	each 1/9
25/H901b/*1300*			per doz. —

Size $\frac{11}{16}$", for $\frac{1}{2}$" balls for cycles.

Nickel.

No. 25/H910a/*100*		..	each 1/6
25/H910a/*1106*			per doz. —

"B.B.L." Best quality.
Nickel Plated.
Head Clip Bolts and Nuts.
Boxes containing 3 dozen assorted
Also suitable for Seat Lugs.
No. 25/H939w/*400* .. per box 6/–

"BRAMPTON"

With plain bolt and nut.

Standard size $\frac{11}{16}$", for $\frac{1}{2}$" balls.

Chromium (855100).

No. 25/H915b/*1402* per doz. 19/–

Black (858100).

No. 25/H915c/*1311* per doz. 18/6



HEAD CLIP BOLTS AND NUTS

Standard size, with hollowed body.

"B.B.L." Best quality.

Nickel Plated.

No. 25/H930a/*200*		..	per doz. 3/–
25/H930a/*2306*			per gross —

Chromium Plated.

No. 25/H930b/*203* .. per doz. 3/6

All Black.

No. 25/H930c/*200* .. per doz. 3/–

"B.S.A." GENUINE.

Chromium.

No. 25/H931b/*500* .. per doz. 6/7



HEAD CLIP BOLTS AND NUTS

Also suitable for Seat Lugs. $\frac{1}{2}$" diameter

"B.B.L." Medium Quality.

Nickel Plated.

No. 25/H937e/*100*	$1\frac{1}{2}$" long	per doz.	1/6
25/H937e/*1103*		per gross	—

"B.B.L." All Black.

Best Quality.

No. 25/H938e/*104*	$1\frac{1}{2}$" long	per doz.	2/–
25/H938e/*1503*		per gross	—

Nickel Plated.

No. 25/H939c/*103*	$1\frac{1}{2}$" long	per doz.	2/–
25/H939c/*1406*		per gross	—
25/H939e/*103*	$1\frac{1}{2}$" long	per doz.	2/–
25/H939e/*1406*		per gross	—
25/H939g/*103*	$1\frac{1}{2}$" long	per doz.	2/–
25/H939g/*1406*		per gross	—
25/H939k/*105*	$1\frac{1}{2}$" long	per doz.	2/3
25/H939k/*1606*		per gross	—
25/H939m/*106*	$1\frac{1}{2}$" long	per doz.	2/3
25/H939m/*1706*		per gross	—
25/H939p/*108*	2" long	per doz.	2/6
25/H939r/*204*	$2\frac{1}{2}$" ..	,,	3/6

Chromium Plated.

No. 25/H940c/*108*	$1\frac{1}{2}$" long	per doz.	2/6
25/H940c/*1906*		per gross	—
25/H940e/*108*	$1\frac{1}{2}$" long	per doz.	2/6
25/H940e/*1906*		per gross	—
25/H940g/*109*	$1\frac{1}{2}$" long	per doz.	2/8
25/H940g/*2006*		per gross	—
25/H940k/*111*	$1\frac{1}{2}$" long	per doz.	2/9
25/H940k/*2206*		per gross	—

Size $\frac{1}{2}$" dia. $1\frac{1}{2}$" long × 26 thread to suit Brampton Tandem Head Clips.

No. 25/H940p/*500* per doz. 8/–

"Chater Lea."

Size $1\frac{1}{8}$" × $\frac{1}{2}$", for Cycle.

No. 25/H941a/*402* Nickel Plated doz. 5/6

Chromium Plated.

No. 25/H941b/*503* .. .. doz. 7/–

Size $1\frac{1}{8}$" × $\frac{1}{2}$", for Tandem.

No. 25/H941p/*406* Nickel Plated doz. 6/–

Chromium Plated.

No. 25/H941r/*508* .. .. doz. 7/6



STEERING HEAD LOCKS

"B.B.L." Best quality.

Nickel Plated.

No. 25/H960a/*302*		..	per doz. 4/9
25/H960a/*3700*			per gross —

HEAD TUBE DIES





HEAD TUBE DIE HOLDER AND GUIDE

Made with taper cutting edges for screwing head tubes.

Holder Complete with Die

No. 25/H1246a/*1600*	Size ⅝" × 30 thread	each 24/-
25/H1246d/*1600*	.. 1" × 24	24/-
25/H1246f/*1600*	.. 1" × 26	24/-

Tandem Size.

No. 25/H1246k/*2100*	Size 1¼" × 26 thread	each 31/6

Extra Dies.

No. 25/H1246p/*609*	Size ⅝" × 30 thread	each 10/2
25/H1246a/*609*	.. 1" × 24	10/2
25/H1246f/*609*	.. 1" × 26	10/2

Tandem Size.

No. 25/H1246w/*1109*	Size 1¼" × 26 thread	each 17/6

"B.B.I." HEAD TUBE DIE HOLDER WITH GUIDE

For screwing head tubes. Stock sizes ⅝" × 30 thread (B.S.A. size). Stock sizes 1" × 24 and 26 thread.

Complete with holder.

No. 25/H1247a/*1503*	.. .. each 20/4
Extra dies.	Outside diameter size 1⅛" dia. × ¼"
No. 25/H1247c/*1004*	.. .. each 13/8
	Extra Guides.
No. 25/H1247d/*300*	.. .. each 3/9

Reducing cutters to reduce 1" tube to ⅞"

No. 25/H1247e/*1006* .. each 13/3

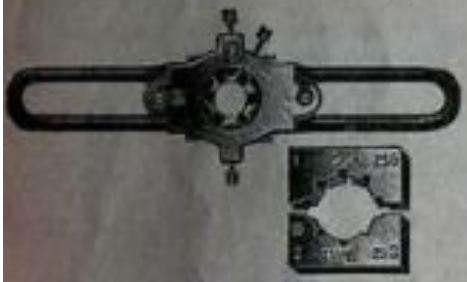
Please state size when ordering.



REDUCING CUTTERS

To reduce 1" tubes to ⅞" to fit No. 25/H1246a.

No. 25/H1246e/*609* .. .. each 10/2



HEAD TUBE DIE HOLDER WITH GUIDE

For screwing head tubes, can be adjusted to cut ¼" under or over size. Foreign. 11" overall.

31/32" × 30 thread.

No. 25/H1249a/*900* .. .. each 12/-

1" × 24 thread.

No. 25/H1249c/*900* .. .. each 12/-



"B.B.I." BALL HEAD REAMER

For truing the cup seatings of ball heads after the frames are built up. Made to suit any length of head.

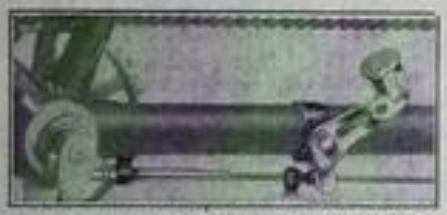
For "B.S.A." Size Lugs and Races.

Reamer complete.

No. 25/H1255a/*1806* .. .. each 24/8

Extra cutters.

No. 25/H1255c/*903* .. .. each 12/4



THE "SUN" PATENT TANDEM HEEL BRAKE LEVER

With strong clip for fitting to 1⅛" diameter main tubes, to be used in conjunction with rod operated rear Tandem internal expanding brake hubs. For direct drive only.

Chromium Plated.

No. 25/H1266c/*609* .. .. each 9/-

All Black enamelled.

No. 25/H1266e/*600* .. .. each 8/-

This Brake Lever can be fitted very quickly and easily on any tandem machine already having a rod brake similar to the illustration shown, and having a main tube 1⅛" diameter. The rider has two means of working his rear brake, either by hand or foot, both entirely independent of each other. The hand brake is used in traffic where a very quick application of the brake is of course necessary. The foot brake is generally used on long or short hills, or when the rider's hand gets cramped or cold while using the hand-operated brake. The foot braking is much more powerful than hand braking, as it is a direct pull without any friction from wires, bends, etc., and this must be borne in mind by the rider when braking with foot. At the same time the foot brake can be applied as delicately as desired. There is no possibility of complications arising through one of the two operations getting out of order and so affecting the other. The operations are so entirely independent of each other that this cannot possibly happen.



"MILLENNIUM" HEAD TUBE DIE

Can be adjusted to cut ¼" under or over size marked. Stock sizes ⅝" × 30 thread (B.S.A. size) and 1" × 24 and 26 thread.

Complete with holder.

No. 25/H1248a/*1500*	.. ..	each 20/-
25/H1248c/*506*	Extra dies	.. 7/-
25/H1248d/*10*	Extra guides	.. 1/6

Reducing cutter to reduce 1" tube to ⅞"

No. 25/H1248e/*506* .. .. each 7/-

Please state size when ordering.

HEAD LUG REAMER WITH REVOLVING GUIDE

For truing the cup seatings of ball heads after the frames are built up. Suitable for any length of head.

For "B.S.A." Size Lugs and Races.

Complete.

No.	each
25/H1255h/*1200*	18/-



HUBS (ORDINARY)—*continued*

"B.B.L." AND "VINDEC"



"B.B.L." TRANSPORT CARRIER CYCLE HUBS.

(English made.)

For Tradesmen's Cycles, specially strong, with long spindles and best chrome steel cones.

⅜" front and rear hub spindles. All black.

1⅛" chain line, without gear case clearance.

No. 25/H1410a/*310*	36/40 holes	.. per pair	5/3
25/H1410d/*110*	Front Hub, 36 holes	.. each	2/6
25/H1410g/*200*	Rear ,, 40 ,,	.. ,,	2/9

1½" chain line, with gear case clearance.

No. 25/H1410b/*401*	32/40 holes	per pair	5/6
25/H1410e/*110*	Front Hub, 32 holes ..	each	2/6
25/H1410h/*203*	Rear ,, 40 ,, ..	,,	3/–



"VINDEC" REAR HUBS

Small barrel, ⅞" diameter, 1⅛" chain line.

Reversible, double screwed for one cog and lock ring on each side, fitted with cone locking nuts and solid spindle. Less cogs and lock rings. (English made.)

No. 25/H1421a/*209*	Nickel Plated ..	.. each	3/10
25/H1421b/*209*	Chromium Plated ..	.. ,,	3/10

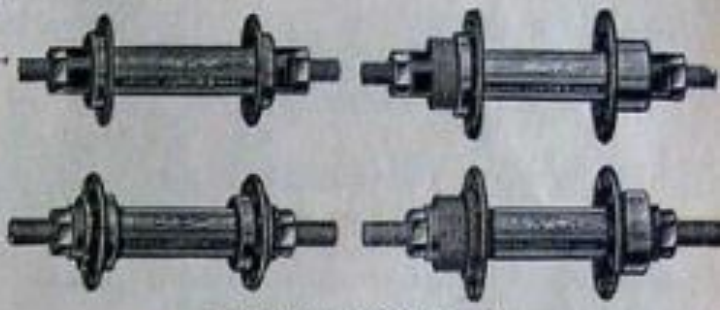


"VINDEC" WIDE FLANGE RACING REAR HUB

(less Cog and Lock Nut).

1⅛" chain line, drilled 40 holes, width of flanges 2¼", ⅞" dia. of barrel, 4⅝" wide over cones, length of spindle 5¼". Specially designed for track work. Fitted with Cone Lock nut.

No. 25/H1423g/*205*	Nickel Plated	each	3/6
25/H1423h/*206*	Chromium Plated	,,	3/9
25/H1423k/*205*	All Black	,,	3/6



"B.B.L." JUNIOR HUBS

1⅛" chain line. Screwed 1" dia. × 20 threads to suit free wheel. Front and Rear, 20 holes,

No. 25/H1414a/*198*	Plain Bearing.	Black		per pair	2/6
25/H1415a/*200*	Ball Bearing.	Nickel		,, ,,	2/9
25/H1415b/*200*	,, ,,	Chromium		,, ,,	2/9
25/H1415c/*10*	,, ,,	,,	Front	each	1/2
25/H1415d/*102*	,, ,,	,,	Rear	,,	1/7

Rear drilled 28 holes, to suit Fairycycles.

No. 25/H1415f/*200* Ball bearing. Chromium .. each 2/9



"VINDEC" FRONT HUBS

Small barrel, ⅞" diameter, 32 holes. (English made.)

Fitted with cone locking nuts and solid spindle.

No 25/H1421p/*111*	Nickel Plated	each	2/8
25/H1421r/*111*	Chromium Plated	,,	2/8



"VINDEC" TANDEM FRONT HUB

32 holes, width of flanges 2½", barrel ⅞", width over cone locking nuts, 3½", length of spindle, 5½"

No. 25/H1422h/*203* Chromium Plated .. .. each 3/–



"VINDEC" TANDEM REAR HUB

(less cogs and lock rings).

With solid spindle, reversible, double screwed for one cog and lock ring on each side, fitted with cone locking nuts.

40 holes, 1⅛" C.L., width of flanges, 2½", barrel ⅞", width over cone locking nuts 4½", length of spindle 6½".

No. 25/H1422b/*209* Chromium Plated .. .. each 3/6

HUBS (ORDINARY)—*continued*

"VINDEC," "BRAMPTON" and "BLUMFIELD"



"VINDEC" FRONT CARRIER HUBS

Large diameter barrel, wide flange.

For Tradesmen's Cycles.

Specially strong, with shouldered spindle and cast chrome steel cones. Drilled 32 holes. (British made.)

No. 25/H1426d/200	Nickel Plated	.. ..	each 2/9
25/H1426f/200	All Black	.. .. ..	.. 2/9



"VINDEC" REAR CARRIER HUBS

Large diameter barrel, wide flange.

For Tradesmen's Cycles.

Specially strong, with shouldered spindle and cast chrome steel cones. Drilled 40 holes. 1⅛" chain line, screwed for cog and lock nut. (British made.)

No. 25/H1426g/202	Nickel Plated	.. ..	each 3/–
25/H1426k/202	All Black	.. .. ..	.. 3/–



"BRAMPTON" NARROW BARREL TUBULAR FRONT HUB

Drilled 32 holes. Chromium Plated. ⅜" Spindle, ⅜" Balls. (No. 104.)

No. 25/H1432r/100½ .. .. each 1/8



"BRAMPTON," REAR RACING HUB (less cogs and lock rings).

With solid spindle, **reversible, double screwed** for fitting one cog and lock ring on each side.

Enables gear ratio to be quickly changed by reversing wheel.

Drilled 40 holes. 1⅛" chain line only. With cone lock nuts.

No. 25/H1442g/206	Nickel Plated. (733004)	..	each 4/–
25/H1442h/302	Chromium Plated. (735004)		.. 4/–



"BRAMPTON" MINIATURE JUVENILE REAR HUB

20 holes. Screwed 1" dia. × 20 thread. 1⅛" chain line.

No. 25/H1439b/101½ Chromium Plated. (No. 121) each 1/6

"BRAMPTON," FRONT RACING HUB

With cone locking nuts fitted.

No. 25/H1444p/108	Nickel Plated. (713900)	..	each 2/–
25/H1444s/108	All Black. (718900) ..	..	.. 2/–



"BLUMFIELD'S" LIGHTWEIGHT RACING HUBS

Spindles made from Kayser Ellison 3 per cent. Nickel Steel, heat-treated to give 60-ton tensile. Cones made from Kayser Ellison Alloy Ball Bearing Steel, beautifully ground after hardening.

Lightest yet made.



Rear Hubs, 4" over lock nuts. Weight 9½ oz.

Rear: 40 holes, 1⅛" chain line, with cone lock nuts.

Double screwed for fitting one cog and lock ring on each side.

No. 25/H1452a/607	Nickel plated, with round end spindle	each 8/9
25/H1452b/611	Chromium	9/3
25/H1452c/611	All Black	9/3
25/H1452e/611	Chromium, with flat end spindle	.. 9/3
25/H1452f/611	All Black	.. 9/3

Front Hub to Match.—Drilled 32 holes, 3½" over cone lock nuts. Weight 4½ oz.

No. 25/H1452p/606	Nickel Plated	.. .. ..	each 6/–
25/H1452r/611	Chromium Plated	.. ..	.. 6/6
25/H1452s/611	All Black	.. .. ..	.. 6/6

Rear Hubs, 4" over cone lock nuts. Weight 8½ oz.

Single Sided, screwed for one cog and lock ring only.

No. 25/H1452h/611	Chromium, with round end spindle	each 9/–
25/H1452k/611	All Black	9/–
25/H1452m/611	Chromium plated, with flat end spindle ..	9/–
25/H1452n/611	All Black	9/–

Rear Hubs, 4½" over cone lock nuts.

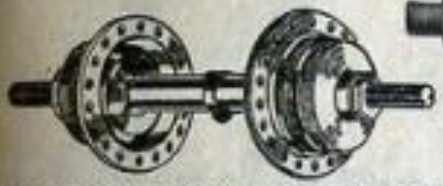
Single Sided, screwed for Derailleur Gears.

No. 25/H1453h/611 Chromium, with round end spindle each 9/–

HUBS (ORDINARY)—*continued*

"SIMPLEX" AND "BAYLISS WILEY"





"SIMPLEX" DURALUMIN RACING HUBS

With solid steel spindle, hollowed ends, cone locking nuts and washers. Rear double screwed for fitting cog and lock ring on both sides, 1⅛"C.L. drilled 32 and 40 holes (Foreign).

No. 25/H1456/*1103* .. .. pair 15/-

Above can be used with Simplex, Osgear, Cyclo, etc., Derailleur gears by alterations of cones, to allow extra length of spindle on Derailleur side and by fitting extra nut for clearance.



"B.W." REAR HUBS

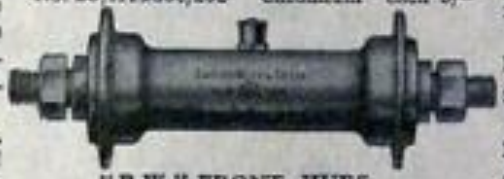
Wide flange. Less cog and lock ring. Drilled rear, 40 holes.

1⅛" chain line, without gear case clearance

No. 25/H1460b/*202* Chromium each 3/-

1¼" chain line, with gear case clearance

No. 25/H1460e/*202* Chromium each 3/-



"B.W." FRONT HUBS

Medium barrel ⅞" dia. 32 holes.

No. 25/H1460p/*109* Nickel each 2/5

25/H1460r/*109* Chromium .. 2/5



"B.W." FREE WHEEL CYCLE HUB

1⅛" C.L. drilled 40 holes chromium plated. Single sided, screwed with one cog.

No. 25/H1461c/*500* .. .. each 7/-

Double sided, screwed with two cogs and one lock ring.

No. 25/H1461f/*606* .. .. each 9/0

Double sided, screwed with three cogs suitable for Derailleur gears and opposite side screwed with cog and lock ring.

No. 25/H1461m/*703* .. .. each 10/-

Single sided, screwed with three cogs suitable for Derailleur gears.

No. 25/H1461k/*606* .. .. each 9/0

Sprocket sizes, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 × ½" pitch × ⅛".



"B.W." REAR HUB (less cogs and lock rings).

With solid spindle and cone locking nuts, reversible, double screwed for fitting one cog and lock ring on each side. Drilled 40 holes.

1⅛" chain line, without gear case clearance.

No. 25/H1462b/*209* Chromium .. .. .. each 3/10



"B.W." FRONT HUBS

To suit No. 25/H1462b, with solid spindle, fitted with cone locking nuts. Drilled 32 holes.

No. 25/H1462r/*111* Chromium .. .. .. each 2/8



"B.W." FEATHERWEIGHT FRONT RACING HUBS

32 holes.

No. 25/H1464p/*302* Nickel .. .. .. each 4/5

25/H1464r/*302* Chromium 4/5

25/H1464e/*302* All Black 4/5



"B.W." FEATHERWEIGHT REAR RACING HUBS (less cogs and lock rings).

Reversible, double screwed for fitting one cog and lock ring on each side. Drilled 40 holes. A superior hub with hollow spindle end as far as cones. Cast Chrome Steel Cones, accurately ground, ends of hubs fitted with screwed aluminium dust washers.

1⅛" chain line. Weight per pair, 14¼ oz.

No. 25/H1464a/*406* Nickel .. .. .. each 6/3

25/H1464b/*406* Chromium 6/3

25/H1464c/*406* All Black 6/3



"B.W." FEATHERWEIGHT REAR RACING HUB

Single sided, screwed for one cog and lock ring only. 40 holes, 1⅛" chain line.

No. 25/H1465a/*402* Nickel .. .. .. each 5/10

25/H1465b/*402* Chromium 5/10

25/H1465c/*402* All Black 5/10

HUBS—*continued*

(BRITISH HUB CO.'S) "B.S.A.," "CHATER LEA" AND BOX CARRIER



B.H. "AIRLITE" CONTINENTAL LARGE FLANGE RACING HUBS

Chromium Plated.

Solo Rear. 1½" C.L. 40 holes.
Double Screwed for cog and lock ring on both sides.

No. **25/H1489b/*1205*** .. .. each **16/6**

Double Screwed for cog and lock ring and for Osgear or Simplex Derailleur gear.

No. **25/H1489f/*1205*** .. .. each **16/6**

Single Screwed for cog and lock ring.

No. **25/H1489c/*1205*** .. .. each **16/6**

Solo Front Hub. 32 holes.

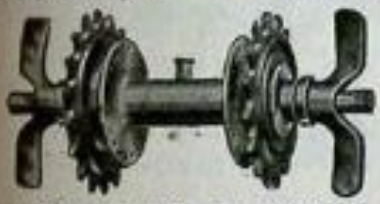
No. **25/H1489e/*807*** .. .. each **11/6**

Tandem Rear Double Screwed for cog and lock ring on both sides. 1½" C.L. 40 Holes.

No. **25/H1489w/*1395*** .. .. each **18/–**

Tandem Front Hub. 32 Holes.

No. **25/H1489s/*904*** .. .. each **12/6**



"B.S.A." HUBS. PATTERN E.

Reversible, screwed on both sides, 1½" chain line. Less cogs, lock rings, and wing nuts.

With cone locking nuts.

Chromium Plated.

Rear. 40 Holes.

No. **25/H1477b/*893*** .. .. each **8/3**

Front. 32 Holes.

No. **25/H1477r/*405*** .. .. each **5/9**

Axle only 1" dia.
Screwed Ends (No. 1421)

No.	(Less Cones, Nuts and Washers.)		each
25/H1508p/*607*	Bright, length	32"	**8/10**
25/H1508r/*607*	.. ..	33"	**8/10**
25/H1508s/*607*	.. ..	34"	**8/10**
25/H1508w/*607*	.. ..	36"	**8/10**



Side Hubs complete with Stub Axles.

Screwed and fitted with Lock Nuts. (Note these hubs are made in rights and lefts and cannot be used for either side.)

No. **25/H1509e/*2207*** All Black pair **30/1**



B.H. "SIVADA" RACING HUBS

Rear Double Screwed for fitting cog and lock ring on both sides. Cast shells with ⅜" dia. barrel, special spindles fitted with carbon chrome steel cones and lock nuts.

1½" C.L. Chromium Plated. 40 Holes.

No. **25/H1492b/*208*** .. .. each **3/8**

Front only to match. 32 Holes.

No. **25/H1492a/*108*** .. .. each **2/4**



"B.S.A." LIGHT STEEL HUBS

Hub shells turned from solid bar to obtain lightness, wide inside flange to make wheel rigid. Adjusting cone side is locked by a washer sliding along slot of spindle and secured by a lock nut.

(Less cogs, lock ring and wing nuts.)

Chromium Plated. 1½" chain line.

Rear for single cog. 40 Holes.

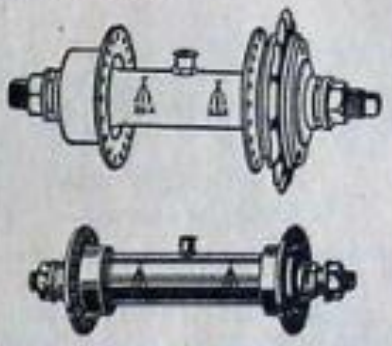
No. **25/H1474b/*609*** .. .. each **9/–**

Rear for double cog. 40 Holes.

No. **25/H1474e/*609*** .. .. each **9/–**

Front to suit. 32 Holes.

No. **25/H1474r/*406*** .. .. each **6/–**



"B.S.A." HUBS (less cog and lock ring)

Chromium Plated.

1½" chain line, with gear case clearance. Pattern B/1.

No. **25/H1475r/*405*** Front, 32 holes each **5/9**



"B.S.A." REAR HUB. PATTERN D.

With Extended Flange.

Less cog, lock ring, and wing nuts. 1½" chain line. Drilled 40 Holes.

With cone locking nuts.

Chromium.

No. **25/H1476b/*503*** .. .. each **6/11**

For AXLE LUGS, PLATES, BOLTS and NUTS see page 240.

For CEE SPRINGS see page 317.



"CHATER LEA" FOR BOX CARRIER TRICYCLE

Standard Model. Side Hubs complete with Axle 1" dia. Drilled 40 Holes.

No. **25/H1508e/*2308*** Black 32" pair **31/4**
25/H1508f/*2308* .. 33" .. **31/4**
No. **25/H1508g/*2308*** Black 34" pair **31/4**
25/H1508h/*2308* .. 36" .. **31/4**

For Dropped Chassis Model.

Stub Hub Axles only, with lock nut, 5½" overall screwed, ½" × 24 thread. To suit Axle Lugs and screwed ⅜" × 20 thread for side cones.

No. **25/H1509p/*209*** Left-hand side each **3/8**
25/H1509r/*209* Right-hand side .. **3/8**

Front Hub Axle, Plain Solid.

½" diameter, 25½" long.

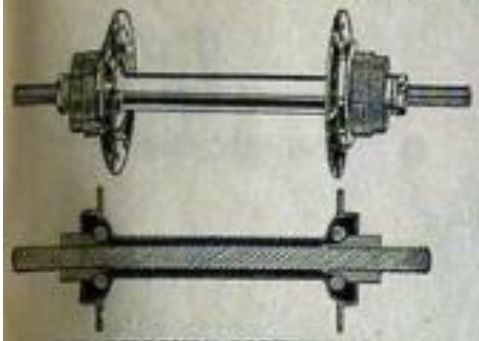
No. **25/H1509b/*293*** .. .. each **2/11**

Cranked Front Hub Axle Lugs, No.1442-3

Screwed for above hubs.

No. **25/H1509t/*500*** 4½" centres pair **6/7**

HUBS (ORDINARY AND EXPANDING BRAKE)—*continued*



"TABUCCHI" LIGHTWEIGHT RACING HUBS. (Foreign.)

Chromium Plated.

Shell and cups made from finest Chrome Nickel Steel in one piece, heat treated and ground. ½" dia. barrel.

The Oiling System is also distinctive, having inlets on the outside of housing direct into bearing. With cone locking nuts and grooved spindles.

"AMBRA SUPERGA" with Flanges made of special Duralumin, which are shrunk on to the barrel by a patented process, giving immense strength and resistance. Solid spindle.

"AMBRA SECUNDUS" with barrel and flanges turned from the solid piece of finest Sheffield chrome nickel steel, spindles bored for lightness.

Rear, 1¼ C.L., drilled 40 holes. ¼" balls. Double cog (less cogs and locking rings), 2⅜" width of flange, 4¼" width over lock nuts, 5⅛" length of spindle.

"AMBRA SUPERGA"

(weight 7½ oz.)

No. 25/H1539a/*1001* .. each 13/6

"AMBRA SECUNDUS"

(weight 9½ oz.)

No. 25/H1539d/*710* .. .. each 10/6

Front, drilled 32 holes. ⅜" balls.

4¼" width over cone and nut, 2⅜ width of flange, 4¼" length of spindle.

"AMBRA SUPERGA" (weight 4½ oz.)
No. 25/H1539p/*800* .. .. each 8/-

"AMBRA SECUNDUS" (weight 4¾ oz.)
No. 25/H1539t/*410* .. .. each 6/6



"CYCLO" SUPER-IDEAL TANDEM INTERNAL EXPANDING BRAKE HUB

Complete with Handlebar Lever and Cable-cum-Rod Control. Chromium Plated.

Rear, with equal Flanges 5¼" dia. Drilled 40 holes.

No. 25/H1540d/*2002* 1⅛" C.L. each 27/-

Front, Drilled 32 holes.

No. 25/H1540p/*1909* .. each 25/-

Specially designed for heavy tandem work. Equal sided flanges on Rear Hub only ensuring perfect wheel building, and safeguard against spoke breakage. Smooth and extremely powerful finger touch action.

SPOKE LENGTHS AND BUILDING INSTRUCTIONS FOR "CYCLO" "SUPER IDEAL" HUB BRAKES

Spoke Lengths.

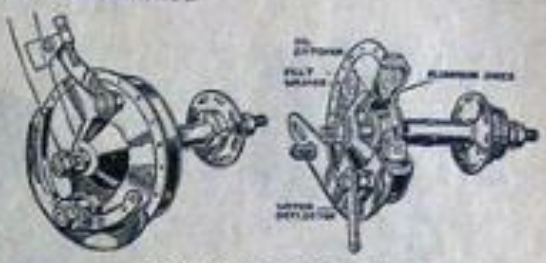
No. 25/H1540d Rear Hub
9½" on Drum Side for 26" × 1¾".
9½" on Gear Side for 26" × 1¾".
9½" on Drum Side for 26" × 1⅜".
9½" on Gear Side for 26" × 1⅜".

No. 25/H1540p Front Hub
9½" on Drum Side for 26" × 1¾".
10⅛" on Plain Side for 26" × 1¾".
9½" on Drum Side for 26" × 1⅜".
10⅛" on Plain Side for 26" × 1⅜".

Above are for Endrick or Westwood Rims.

For 26" × 1¼", add ⅛" to above sizes of 26" × 1⅜". For 28" Wheels, add 1" to above sizes. 13 G. Spokes should be used. The correct lacing for these hubs should be one over two. The gear side should be laced first and pulled down for requirements to build over cones.

See page 150 for Sun Patent Tandem Heel Brake Levers to be used in conjunction to rod operated Tandem rear internal expanding brake hubs.



"BLUMFIELD" INTERNAL EXPANDING BRAKE HUBS

Complete with Duralumin two-position Handlebar Lever to suit various shape Bends and Waterproof Cable Control.

Front Hub, For Cycles. 32 holes.

No. With Braze-on Fork Clip.
25/H1543c/*806* All Black .. each 16/3

No. With Detachable Fork Clip.
25/H1543f/*806* All Black .. each 16/3

Front Hub, For Tandem.

No. With Braze-on Fork Clip.
25/H1543s/*906* All Black .. each 18/6

No. With Detachable Fork Clip.
25/H1543x/*906* All Black .. each 18/6

Rear Hub, For Cycles 1⅛" C.L. 40 holes.

No. With Detachable Stay Clip.
25/H1544d/*900* Chromium Plated ea. 19/3
25/H1544f/*806* All Black 17/9

Rear Hub, For Cycles 1⅛" C.L. 40 holes. With Detachable Stay Clip.

No. For Derailleur Gear.
25/H1544n/*900* All Black .. each 18/6

Rear Hub, For Two-Gent. Tandems, 1⅛" C.L. 40 holes. With all cable operated.

No. With Detachable Stay Clip.
25/H1545d/*1100* Chromium Plated ea. 23/-
25/H1545f/*1000* All Black 21/6

No. For Derailleur Gear.
25/H1545n/*1100* All Black .. ea. 22/6

No. Cable-cum-Rod Operated.
25/H1546d/*1100* Chromium Plated ea. 23/-
25/H1546f/*1000* All Black 21/6

No. For Derailleur Gear.
25/H1546L/*1100* Chromium Plated ea. 24/-
25/H1546n/*1000* All Black 22/6

BRITISH "CYKLBRAKE"

Internal Expanding Rear Brake Hub.

Drilled 40 holes (less cog and lock ring). 1⅛" Chain Line. Black Finish, with connecting rod.

For Carrier Tricycles with ¾" spindles.
Screwed 1⅛" × 24 Thread.
Without Brake Lever.
No. 25/H1554d/*1203* .. .. each 16/5

With Ratchet Lever and Rod complete.
No. 25/H1554e/*1708* .. .. each 23/7

For Transport Carrier Tricycles with ⅞" spindles
Screwed 1⅛" × 24 Thread.
Without Brake Lever.
No. 25/H1554g/*1510* .. .. each 21/1

With Ratchet Lever and Rod complete.
No. 25/H1554h/*2103* .. .. each 28/3



HUBS (EXPANDING BRAKE)—*continued*











No. 2 Pattern

BRITISH "CYKLBRAKE"

The "Cyklbrake" internal expanding Brake Hub. It can be used with either free wheel or fixed cog.

Complete with Standard Type No. 1 Handlebar Lever with Band Clip and Waterproof Cable Control.

Front, drilled 32 holes.

"Solo" for Gent.'s Cycles. 3" Brake Drums.

No. 25/H1552p/600	Nickel Plated	each	9/-
25/H1552r/906	Chromium Plated	"	13/6
25/H1552s/600	All Black	"	9/-

"Super Tandem." 4" Brake Drums.

No. 25/H1552t/600	Nickel Plated	each	13/6
25/H1552w/1209	Chromium Plated	"	17/-
25/H1552x/906	All Black	"	13/6

Rear, drilled 40 holes. 1¼" Chain Line.

Screwed 1¼" × 24 thread, to take cog and lock ring.

"Solo." For Gent.'s Cycles. 3" Brake Drums.

No. 25/H1552a/600	Nickel Plated	each	9/-
25/H1552b/906	Chromium Plated	"	12/6
25/H1552c/600	All Black	"	9/-

Screwed and made specially suitable for Derailleur Chain Speed Gear

"Solo." For Gent.'s Cycles. 3" Brake Drums.

No. 25/H1552g/600	Nickel Plated	each	9/-

REAR "SUPER TANDEM" HUB (Cable-cum-Rod Model). 4" Brake Drums.

Complete with Handlebar Lever and Waterproof Cable Control to bottom bracket, with lug for brazing on the under side of front bottom bracket, and long rod fitting to hub. 1¼" chain line, 40 holes.

No. 25/H1550h/906	Nickel Plated	each	14/-
25/H1550k/1403	Chromium Plated	"	19/-
25/H1550L/906	All Black	"	14/-

Screwed and made specially suitable for Derailleur Chain Speed Gears.

No. 25/H1550t/906	Nickel Plated	each	14/-
25/H1550w/1403	Chromium Plated	"	19/-
25/H1550x/906	All Black	"	14/-

Can be supplied with a detachable clip for existing machines in place of braze clip at the same prices.

No. 2 Pattern Solid Levers with two screw clips, can be supplied in lieu of No. 1 Pattern –/6 extra per hub each –/9

NOTE.—When building up wheels with "Cyklbrake" Hubs it is necessary to build central to "over-cone" measurement so as to obtain the correct chain line, and to do this the wheel has to be slightly "dished."



BRITISH "SOLO CYKLBRAKE" HUB

Complete with Connecting Rod, from front hub to lug to screw on front brake tube, and from Rear Hub to chain stay clip with hanger, to fit existing down rod.

Can also be supplied with both front and rear hanger lug to screw to crown and bottom bracket.

For conversion of existing ordinary cycles.



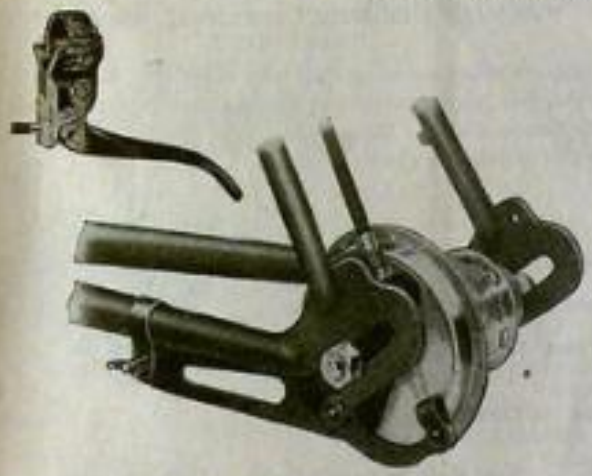
Rear (less cog and lock ring), screwed 1¼" × 24 thread, drilled 40 holes, 1¼" C.L. 3" Brake Drums.

No. 25/H1550b/706	Chromium Plated ..	each	11/6
25/H1550c/600	Nickel Plated	"	9/-

Front. 32 holes.

No. 25/H1550s/600	Nickel Plated	each	9/-

HUBS (EXPANDING BRAKE)—*continued*



"PERRY" CABLE LENGTHS

Front (lever to brake shoearm)	2' 10½"
Rear (lever to brake shoearm)	4' 6½"
Rear for Tandems Cable-cum-Rod inclusive (lever to brake shoearm)	7' 1"

SPOKE LENGTHS

Westwood or Endrick Rims 26" × 1¼".
Front, 11½" and 11⅝". Rear 11⅞" and 11½".

Westwood or Endrick Rims 26" × 1¾".
Front, 11⅝" and 11¾". Rear, 11½" and 11¾".

For 28" Rims add 1" to each of the above sizes.

"PERRY" INTERNAL EXPANDING BRAKE HUBS

Front, for Cycles.

Drilled 32 holes, shouldered spindles and Cast Carbon Chrome Steel Cones.

Complete with Handlebar Lever and Waterproof Covered Cable Control.

No. **25/H1556b/*1000***	Chromium Plated ..	each	13/9
25/H1556k/*1000*	All Black		13/9

Complete with Connecting Rod, from Front Hub, including fork clip, stirrup with front tube, top joint bolt, and eye to fit existing down rod.

No. **25/H1556b/*1000***	Chromium Plated ..	each	13/9

Complete with Handlebar Lever and Waterproof Covered Cable Control.

For Tandem Machines.

No. **25/H1558p/*1209***	Nickel Plated ..	each	17/-
25/H1558r/*1209*	Chromium Plated ..	..	17/-
25/H1558s/*1209*	All Black ..	..	17/-

Rear, for Cycles.

Drilled 40 holes. Screwed 1⅜" × 24 thread to take cog and lock ring. Shouldered spindles and Cast Carbon Chrome Steel Cones. 1¾" Chain line.

Complete with Handlebar Lever and Waterproof Covered Cable Control.

No. **25/H1557b/*1100***	Chromium Plated ..	each	15/3
25/H1557k/*1100*	All Black		15/3

Complete with Handlebar Lever and Waterproof Covered Cable Cable-cum-Rod Model, with Large Brake Drum 3½" dia. Brake, specially suitable for **Tandems.**

No. **25/H1559r/*1309***	Chromium Plated ..	each	18/6
25/H1559s/*1309*	All Black	..	18/6

"STURMEY-ARCHER" INTERNAL EXPANDING BRAKE HUBS

Complete with Handlebar Brake Lever Waterproof Covered Cable Control, with detachable Front Fork and Rear Stay Clips.


BRC

Rear, for Gent.'s Solo Cycle. 1⅛" C.L. 40 holes.

No.	Model BRC		
25/H1560b/*1100*	Chromium Plated	ea.	15/3
25/H1560c/*1100*	All Black		15/3

Rear, for Two Gent.'s Tandem Machines. Screwed to take Ordinary Free Wheel and Derailleur **not** Cog and Lock Ring. 1⅛" C.L., 40 holes. **Model BRT**

No.	4¼" Brake Drum.		
25/H1560e/*1309*	Chromium Plated	ea.	18/6
25/H1560f/*1309*	All Black		18/6


BRT

If supplied with Wing Nuts -/9. extra each hub 1/-

Spoke Lengths: For 26" × 1¼" rims 10⅝" and 11⅛" long.
" 26" × 1⅜" " 10¾" " 11¼" "
" 26" × 1½" " 10⅞" " 11" "
" 28" × 1½" " 11⅛" " 12" "

These lengths are for three cross lacing on fronts and four cross lacing on rears.


BFC

Front, for Solo Cycle. 32 holes.

No.	Model BFC		
25/H1560r/*1000*	Chromium Plated	ea.	13/9
25/H1560s/*1000*	All Black ..		13/9

Front, for Tandem. 40 holes. **Model BFT,** with ½" spindle.

No.	4¼" Brake Drum.		
25/H1560w/*1209*	Chromium Plated	ea.	17/-
25/H1560x/*1209*	All Black ..		17/-

If supplied with Wing Nuts /9. extra each hub 1/-


BFT

Can be supplied with Rod Control bottom parts, minus brake tubed top parts (in lieu of Cable Control), suitable for Solo machines (not made for Tandem Rod Control) with Handlebar Roller Levers and Rods, at same prices.

For replacement parts for above, see pages 183 to 191.

HUBS (EXPANDING BRAKE, COASTER AND TWO- AND THREE-SPEED)—*continued*

"ROYAL ENFIELD" INTERNAL EXPANDING BRAKE HUBS

Complete with Lever and Waterproof Cable Control, with detachable Front Fork and Rear Stay Clips. Large Brake Drum, 3½" × ¾", with Flanged Dustproof Cover Plates on both sides. ¼" Balls.



Rear, for Cycle, 1⅛" C.L. 40 holes.
No. 25/H1561c/*800* All Black each 15/6

Rear, for Two Gent. Tandem, 1⅛" C.L. 40 holes.
No. 25/H1561k/*800* All Black each 15/6

Front, for Cycle, 32 holes.
No. 25/H1561s/*700* All Black each 14/-

Front, for Tandem. 32 holes.
No. 25/H1561z/*700* All Black each 14/-

SPOKE LENGTHS for "R.E."
For Cycles or Tandems. For Front or Rear.
For 26" × 1⅜" Rims × 11⅜"
" 26" × 1⅜" " × 11½"
" 26" × 1½" " × 11½"
For 28" Rims add 1" to each of the above sizes. 14 G. for Cycles and 13 G. for Tandems are recommended. Spoke crossings are three over Front and four over Rear.

"PHILLIP'S CRABBE" INTERNAL EXPANDING BRAKE HUBS

Complete with Connecting Rod, from Front Hub, including Head Tube, Top Joint, Eye-bolt and Nut, and from Rear Hub, including all Bottom Parts to Head Tube, with Top Joint, Eye-bolt and Nut.



Complete with Handlebar Lever and Waterproof Cable Control.

Front Hub, for Gent.'s Cycles. Drilled 32 holes.
No. 25/H1566b/*704* All Black .. .. .. each 9/9

Rear Hub, for Gent.'s Cycles. Drilled 40 holes. 1⅛" Chain Line.
Screwed 1⅜", × 24 thread, to take cog and lock ring.
No. 25/H1568e/*704* All Black .. .. .. each 9/9
25/H1568f/*704* Chromium .. .. .. " 9/9



"RADIE" COASTER HUB

With cogs 8, 9, 10 teeth × 1" pitch × ⅜" or ½"
" " 16, 18, 20 " × ⅜" " × ½" " ½"
Narrow Pattern Shell. 40 Holes.
1⅛" and 1½" Chain Line.

With Square End and Flat Spindles.
No. 25/H1570b/*1006* Chromium each 13/9
25/H1570c/*1006* All Black " 13/9

With Round End Spindles.
No. 25/H1570e/*1006* Chromium each 13/9
25/H1570f/*1006* All Black " 13/9



"PERRY" COASTER HUB

With One Sprocket. Chromium Plated.
No. 25/H1571b/*1003* .. .. each 13/3
Chain lines 1⅛" and 1½". Drilled 40 Holes.
Cogs:
8, 9, 10 teeth .. 1" × ½"
16, 18, 20 " .. ⅜" × ⅜" or ½"



"PERRY" COASTER HUB

Fitted with Double Cogs, Two Wing Nuts, Slip-on Chain Stay Clip, quickly detachable, specially suitable for lightweight machines.

Chain Line 1⅛". Drilled 40 Holes.
Made in 16, 17, 18, 19, 20, 21, 22 and 24 [illegible]
Sprockets for ½" pitch × ⅛" chain.
Chromium Plated. Complete.
No. 25/H1572k/*1109* .. .. each [illegible]

Model T with Free Wheel.
Top Tube Control for Safety. 40 holes.
No. 25/H1578b/*1600* Chromium each 20/6
25/H1578c/*1600* Black " 20/6

Top Tube Control for Tandem. 40 holes.
No. 25/H1578h/*1600* Chromium each 20/6
25/H1578k/*1600* Black " 20/6

Handlebar Control for Safety. 40 holes.
No. 25/H1578r/*1600* Chromium each 20/6
25/H1578s/*1600* Black " 20/6

Handlebar Control for Tandem. 40 holes.
No. 25/H1578w/*1600* Chromium each 20/6
25/H1578x/*1600* Black " 20/6

"STURMEY-ARCHER" TWO-SPEED GEAR HUBS

Complete with Cog, Quick Release Fittings and Wing Nuts.



Model 'TF' with Fixed Cog.
Top Tube Control for Safety. 40
No. 25/H1577b/*1503* Chromium each
25/H1577c/*1503* Black "

Top Tube Control for Tandem. 40
No. 25/H1577h/*1503* Chromium each
25/H1577k/*1503* Black "

Handlebar Control for Safety. 40
No. 25/H1577r/*1503* Chromium each
25/H1577s/*1503* Black "

Handlebar Control for Tandem. 40
No. 25/H1577w/*1503* Chromium each
25/H1577x/*1503* Black "

HUBS (TWO- AND THREE-SPEED)—*continued*



STURMEY-ARCHER THREE-SPEED MEDIUM RATIO GEAR HUBS
Model AM.

Complete with Quick Release Fittings and Wing Nuts. Top tube control, 40 holes. Chromium Plated.

For Solo Machines.

With Splined Sprockets.

No. 25/H1581b/*2008* .. .. each 26/-

With handlebar trigger control.

No. 25/H1581bt/*2208* .. .. each 29/-

Splined Sprocket. Sizes 14, 15, 16, 17, 18 and 20 T. × ⅛" × ⅛".

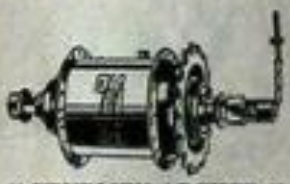
For Tandem.

With Screwed Sprockets.

No. 25/H1581b/*2008* .. .. each 26/-

Screwed Sprocket. Sizes 16, 17, 18 and 20 T. × ⅛" × ⅛".

Gear Ratios 15·55 % increase over normal Direct drive 13·46 % decrease.



"STURMEY-ARCHER" THREE-SPEED GEAR
Model AW.

Complete with Cog.

With Top Tube Control.

For Safety Cycles. 40 Holes.

No. 25/H1585b/*1811* Chromium each 23/9
25/H1585c/*1811* Black 23/9

For Safety Cycles. 36 Holes.

No. 25/H1585e/*1811* Chromium each 23/9

For Tandem Machines. 40 Holes.

No. 25/H1585h/*1811* Chromium each 23/9
25/H1585k/*1811* Black 23/9

With Handlebar Control and Ordinary Nuts. For Safety Cycles. 40 Holes.

No. 25/H1585r/*1811* Chromium each 23/9
25/H1585s/*1811* Black 23/9

With Quick Release Fitting and Wing Nuts. For Safety Cycles. 40 Holes.

No. 25/H1585m/*1908* Chromium each 24/9
25/H1585n/*1908* Black 24/9



"STURMEY-ARCHER" TWO-SPEED CLOSE RATIO GEAR HUBS
(Model TC).

Complete with quick release fittings and wing nuts. Top Tube Control for Safety, 40 holes. Chromium Plated.

Suitable for Solo or Tandem Machines.

13·46 % Reduction.

With Fixed Cog.

No. 25/H1579b/*1503* .. .. each 19/6

Splined Sprocket Sizes.

14, 15, 16, 17, 18, 19, 20 and 22 T. × ⅛" × ⅛".

With Free Wheel.

No. 25/H1580b/*1600* .. .. each 20/6

Splined Free Wheel Sizes.

16, 17, 18, 19 and 20 T. × ⅛" × ⅛".



"STURMEY-ARCHER" TRIGGER CONTROL AND PARTS
See page 185

NOTE.—"Sturmey-Archer" Three-Speed Gears can be supplied for any width of back jaw down to 4".

Chain lines 1⅛" to 1⅜" inclusive.

Drilled 40 Holes.

Cogs, Screwed: 8, 9 T. 1" × ⅛" and ⅛"
16, 18, 20 T. ⅛" × ⅛" .. ⅛"

"STURMEY-ARCHER" FOUR-SPEED GEAR
Model AF.

Complete with Cog, Trigger Control and Wing Nuts. For Cycles. 40 Holes.

Chromium Plated.

1st (Low Gear) ..	25% decrease from normal gear.
2nd (Intermediate Low Gear)	10% decrease from normal gear.
3rd (Normal Gear)	Direct Drive
4th (High Gear) ..	9·1% increase over normal gear.

No. 25/H1586b/*3106* .. each 39/-

Four-speed Gear is an ounce or so lighter than three-speed gears, although it provides an extra gear.

Outside dimensions are the same as the AW, AM or AR Gear Hubs.



"STURMEY-ARCHER" THREE-SPEED CLOSE RATIO GEAR HUBS. Model AR.

Complete with Quick Release Fittings and Wing Nuts, top tube control, 40 holes, Chromium Plated. Suitable for Solo machines.

No. 25/H1582b/*2300* .. .. each 29/-

With Handlebar Trigger Control.

No. 25/H1582bt/*2500* .. .. each 32/-

Splined Sprocket Sizes.

14, 15, 16, 17, 18 and 20 T. × ⅛" × ⅛".

Gear Ratios 7·24 % increase over normal, Direct Drive 6·76 % decrease.

"STURMEY-ARCHER" CLOSE RATIO THREE-SPEED HUBS
Model KS.

Complete with Cog.

With Quick Release Fitting and Wing Nuts.

With Top Tube Control for Safety.

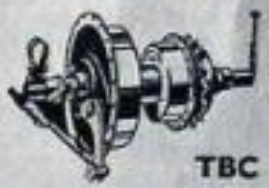
40 Holes.

No. 25/H1583c/*1811* Black each 23/9

36 Holes.

No. 25/H1583e/*1811* Chromium each 23/9
25/H1583f/*1811* Black 23/9

Gear Ratios 12·5 % increase over normal, Direct Drive 11·1 % decrease.



TBC

"STURMEY-ARCHER" TWO-SPEED GEAR HUB
With Internal Expanding Brake.

25 % Reduction.

Complete with Cog. 40 Holes.

With Quick Release Fitting and Wing Nuts.

Model TBFC with Fixed Cog.

Top Tube Control for Safety.

No. 25/H1617b/*2200* Chromium each 28/-
25/H1617c/*2200* Black 28/-

Top Tube Control for Tandem.

No. 25/H1617h/*2200* Chromium each 28/-

Model TBC with Free Wheel.

Top Tube Control for Safety.

No. 25/H1618b/*2209* Chromium each 29/-
25/H1618c/*2209* Black 29/-

Top Tube Control for Tandem.

No. 25/H1618h/*2209* Chromium each 29/-
25/H1618k/*2209* Black 29/-

HUBS (THREE SPEED)—*continued*



"STURMEY-ARCHER" THREE-SPEED WIDE RATIO HUB
With Internal Expanding Brake.
Model AT.

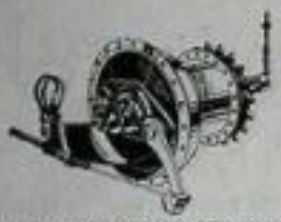
For Two-Gent.'s Tandem Machines.
With all Cable or Cable-cum-Rod Control for Expanding Brake.

1¼ C.L. for Direct Drive Tandem.

No. 25/H1587L/*2800* Chromium each **35/–**
25/H1587m/*2800* Black **35/–**

If supplied with Wing Nuts, /9 extra each Hub **1/–**

Gear Ratios 33⅓ % increase over normal, Direct Drive 25 % decrease.



"STURMEY-ARCHER" THREE-SPEED WIDE RATIO HUB
With Internal Expanding Brake.
Model ABC. For Gent.'s Cycle.

Complete with Handlebar Brake Lever, Waterproof Covered Cable Control and Top Tube Gear Control. Drilled 40 Holes.

No. 25/H1587b/*2603* Chromium each **32/6**
25/H1587c/*2603* Black **32/6**

Cogs (Screwed):
8, 9 teeth × 1" pitch × ⅛" and ⅜" wide
16, 18, 20 teeth × ½" .. × ⅛" .. ⅜" ..

Gear Ratio 33⅓ % increase over normal, Direct Drive 25 % decrease.



"PERRY-STURMEY" THREE-SPEED HUB
With Internal Expanding Brake.

Gear Ratios 33⅓ % increase over normal, Direct Drive 25 % decrease.

Complete with Handlebar Brake Lever with Waterproof Covered Cable Control and Finger Grip Adjustment and Top Tube Gear Control.

Drilled 40 Holes.

For Gent.'s Cycle.

No. 25/H1589a/*2603* Nickel .. each 32/6
25/H1589b/*2603* Chromium .. 32/6
25/H1589c/*2603* Black 32/6

With 3½" dia. Brake Drum, Cable-cum-Rod, with Spring Bracket Attachment. Specially for Two-Gent.'s Tandem Machines.

No. 25/H1589L/*2800* Chromium each 38/–

Cogs (Screwed):
8 and 9 teeth × 1" pitch × ⅛" and ⅜" wide
16, 18, 20 .. × ½" .. × ⅛" .. ⅜" ..

For Replacement Parts for "Sturmey-Archer" Hubs see pages 183 to 191.



"CYCLO" THREE STAR STANDARD SINGLE WIRE DERAILLEUR GEARS

Complete with top tube control with waterproof covered cables and Triple Free Wheel. Less hub.

Sprocket sizes ½" × ⅛" for Solo machines.

Low Gear, 18, 19, 20, 21, 22, 23 T.
Middle Gear, 17, 18, 19 T.
Top Gear, 13, 14, 15, 16 T.

Clip Fitting.

With Black Cables.
No. 25/H1616p/*1500* each **22/6**

With Silver Cables.
No. 25/H1616r/*1500* each **22/6**

Braze-on Fitting.

With Black Cables.
No. 25/H1616s/*1500* .. .. each **22/6**

With Silver Cables.
No. 25/H1616t/*1500* .. .. each **22/6**

Can be supplied with Cyclo Unit Combined Free Wheel Hub in lieu of Derailleur Free Wheel. Sprocket sizes, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22 and 23 T.

/*304* .. .. extra each **5/–**

Three Star Gear is limited in action to a 23 T low gear sprocket.

"CYCLO-OPPY" THREE-SPEED DERAILLEUR GEAR

Chromium-plated parts with down tube control with **silver finish** water-proof covered cables. Complete with Triple Free Wheel.

Sprocket size ½" × ⅛" for Solo machine.

With Standard Free Wheel sizes as follows:
Low Gear, 18, 19, 20, 21, 22, 23, 24 T.
Middle Gear, 17, 18 T.
Top Gear, 13, 14, 15, 16, 17 T.



Clip Fitting.
No. 25/H1616b/*2000* .. each **30/–**

Braze-on Fitting.
No. 25/H1616c/*2000* .. ..

With **Boss** type Free Wheel, sizes as below (Suitable for Standard racing hub).
Low Gear, 18, 19, 20, 21, 22 T. Middle Gear, 16, 17 T.
Top Gear, 13, 14, 15, 16 T.

Clip Fitting.
No. 25/H1616e/*2000* .. ..

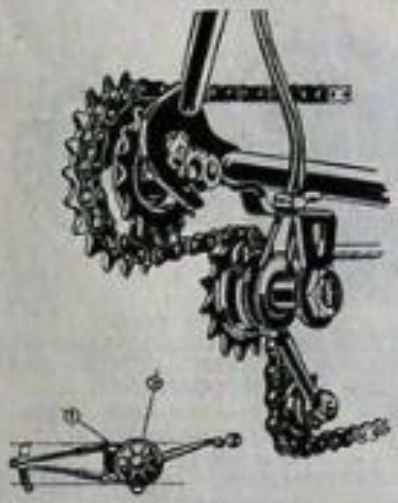
Braze-on Fitting.
No. 25/H1616f/*2000* .. ..

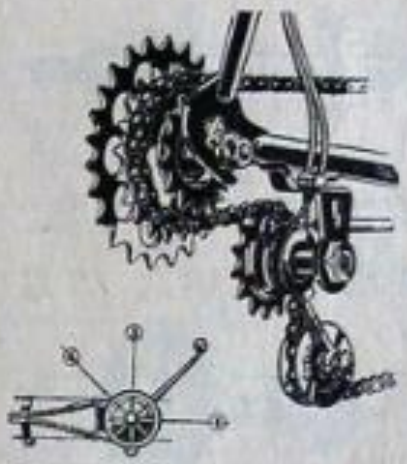
Can be supplied with Cyclo Unit Combined Free Wheel Hub in lieu of Derailleur Free Wheel. Sprocket sizes, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22 and 23 T.

/*304* extra .. .. each 5/–

HUBS—"CYCLO" (TWO- THREE- AND FOUR-SPEED)—*continued*







"CYCLO" DERAILLEUR ROLLER CHAIN SPEED GEARS WITH CHROMIUM PLATED PARTS

Complete with Top Tube Control, Double Cable and Free Wheel

Double Cog Jockey Tension Model.
Three-Speed. Without Rear Hub.
For Cycles.
No. 25/H1590b/*1608* .. .. each 25/-
For Two-Gent.'s Tandem Machines.
No. 25/H1590m/*1609* .. .. each 28/-
Twist Grip with Dummy Handle to match.
/302 Extra .. .. each 4/3
"Cyclo" Gears supplied with low Gear Sprockets over 22 T.
/8 .. .. extra each 1/-

Two-speed, for use in ordinary Standard Hubs (less hub). **For Cycles.**
No. 25/H1590b/*1304* .. .. each 20/-
For Two-Gent.'s Tandem Machines.
No. 25/H1590e/*1504* .. .. each 23/-

Three-speed with Special Rear Hub, 40 holes, with extra long collars. **For cycles.**
No. 25/H1590r/*1908* .. .. each 29/6
For Two-Gent.'s Tandem Machines.
No. 25/H1590w/*2300* .. .. each 34/6

Duralumin "Super Cyclo" Three-Speed
Without Rear Hub.
For Cycles.
No. 25/H1592b/*1903* .. .. each 28/6
For Two-Gent.'s Tandem Machines.
No. 25/H1592e/*2103* .. .. each 31/6
With Special Rear Hub, 40 holes.
For Cycles.
No. 25/H1592r/*2203* .. .. each 33/-
For Two-Gent.'s Tandem Machines.
No. 25/H1592w/*2507* .. .. each 38/-

"CYCLO"
TWO- AND THREE-SPEED GEARS
(Not Tandem)

Can be supplied with "Cyclo-Unit" Hub combined with Free Wheel.
In lieu of ordinary Hub and Free Wheel.
Sprocket Sizes 12 to 26 T. Interchangeable on all Gears.
/4 .. .. extra each -/6
On Gear less Hub.
/304 .. .. extra each 5/-

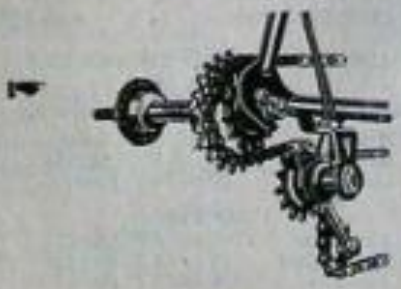
Single Cog and Pulley Jockey Tension Model.

Two-speed, for use on ordinary Standard Hubs (less hub). **For Cycles.**
No. 25/H1593b/*1410* .. .. each 22/-
For Tandem Machines.
No. 25/H1593e/*1610* .. .. each 25/-

Three-speed with Special Rear Hub, 40 holes with extra long collars. **For Cycles.**
No. 25/H1593r/*2102* .. .. each 31/6
For Tandem Cycles.
No. 25/H1593w/*2406* .. .. each 36/6
Without Rear Hub. **For Cycles.**
No. 25/H1593h/*1802* .. .. each 27/-
Without Rear Hub. **For Tandem Machines.**
No. 25/H1593m/*2002* .. each 30/-

Duralium "Super Cyclo" Three-Speed.
With Special Rear Hub. 40 holes.
For Cycles.
No. 25/H1594r/*2309* .. .. each 35/-
For Tandem Machines.
No. 25/H1594w/*2701* .. .. each 40/-
Without Rear Hub. **For Cycles.**
No. 25/H1594b/*2009* .. .. each 30/6
Without Rear Hub. **For Tandem Machines.**
No. 25/H1594e/*2209* .. .. each 33/6

Gears can be supplied with Black Hubs at the same prices.



Four-Speed With Special Rear Hub. 40 Holes.

Double Cog Jockey Tension Model.
For Cycles.
No. 25/H1600b/*2404* .. .. each 36/6
For Two-Gent.'s Tandem Machines.
No. 25/H1600L/*2708* .. .. each 41/6

Single Cog and Jockey Pulley Tension Model.
For Cycles.
No. 25/H1602b/*2404* .. .. each 36/6
For Tandem Machines.
No. 25/H1602L/*2708* .. .. each 41/6
If supplied with Duralium parts.
/207 Extra .. .. .. each 3/6
"Cyclo" Three-Speed Gears supplied with low Gear Sprocket over 22 T.
/8 .. .. .. extra, each 1/-
Note.—Only supplied with the "V" Special Brazed-on Four-Speed Bracket.
The Low Gear Sprocket is **Left-hand Thread** and interchangeable. The Third Gear Sprocket is the Free Wheel. The Second and First Gear Sprockets are also interchangeable and **Right-hand Thread.**

FREE WHEEL AND SPROCKET SIZES

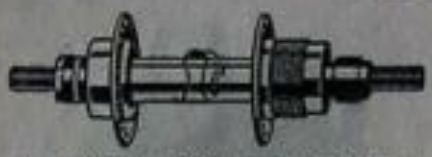
$\frac{1}{2}$" × $\frac{1}{4}$".

2 Speed.
Free Wheel: 16, 17, 18, 19, 20, 21 and 22 T.
Sprockets: 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 and 28 T.

3 Speed.
Top Gear: 13, 14, 15, 16, 17, 18 T.
Middle Gear: 17, 18, 19, 20, 21, 22 T.
Low Gear: 18, 19, 20, 21, 22, 23, 24, 25, 26 and 28 T.

4 Speed.
1st Gear: 13, 14, 15, 16 T. × $\frac{1}{2}$" × $\frac{1}{4}$".
2nd Gear: 17, 18, 19 T. × $\frac{1}{2}$" × $\frac{1}{4}$".
3rd Gear: 20, 21, 22 T. × $\frac{1}{2}$" × $\frac{1}{4}$".
4th Gear: 25, 26, 28 T. × $\frac{1}{2}$" × $\frac{1}{4}$".

HUBS (TWO- AND THREE-SPEED)—*continued*



"CYCLO" DERAILLEUR REAR CYCLE HUB

Single Screwed for use with Triple Free Wheels and Chain Speed Gears. Drilled 40 Holes. 4¼" wide over packing washers.

No. 25/H1597b/*300* Chromium each **4/6**
25/H1597c/*200* Gun Black .. **4/6**



"CYCLO-UNIT" HUB COMBINED WITH FREE WHEEL

Chromium Plated. 40 Holes.

Hub complete with Two-Speed Free Wheel.
Top gear: 13, 14 and 15 T.
Normal gear: 14, 15, 16, 17 and 18 T.
No. 25/H1597a/*704* .. .. each **11/-**

Hub complete with Three-Speed Free Wheel.
Low gear: 15, 16, 17, 18, 19, 20 and 21 T.
Middle gear: 13, 14, 15, 16, 17 and 18 T.
Top gear: 12, 13, 14, 15, 16 and 17 T.
No. 25/H1597t/*800* .. .. each **12/-**
All Sprockets are interchangeable.

The Hub is specially designed to give correct clearance and Free Wheel support—all bearings are running in dust-proof grease-retaining cups. The width over packing washers is 4¼". No loose ball bearings. Extra large pawls—pawl action and ratchet are the strongest to be found in any existing free wheel—springs easily detached.

For cleaning and dismantling, one nut only to unscrew.

The only free wheel giving a 12 T. sprocket.

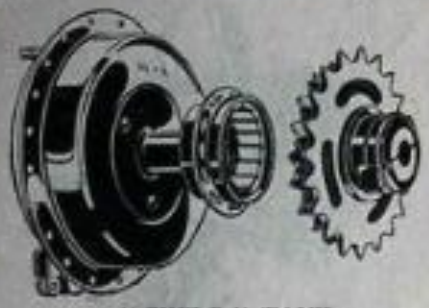


"CYCLO ACE" THREE-SPEED CLOSE RATIO DERAILLEUR CHAIN SPEED GEAR

Complete with Aluminium Disc Spoke Protector, Triple Free Wheel, Chain Stay Clip and Chain Guide, Down Tube Jockey Arm, Seat Tube Chain Guide Clip, Twin Waterproof Covered Cable and Quadrant Lever and Clip.

For Solo Model only.

Low gear: 18, 19, 20 and 21 T. (fixed)
Middle gear: 17 and 18 T. (loose)
Top gear: 15, 16 and 17 T. (loose)
No. 25/H1603/*1108* (less hub) .. each **17/6**



"CYCLO" TANK INTERNAL EXPANDING BRAKE HUB AND THREE-SPEED UNIT FREE WHEEL COMBINED

With H'bar Lever and Cable Control. 40 Holes. Chromium Plated.

For Solo 1½" C.L.
No. 25/H1596L/*1808* .. .. each **28/-**
For Tandem 1½" C.L.
No. 25/H1596n/*2000* .. .. each **30/-**

Complete with "Cyclo" Derailleur Top Tube Control and Double Cog Jockey Tension System.

For Solo 1½" C.L.
No. 25/H1596r/*2904* .. .. each **44/-**
For Tandem 1½" C.L.
No. 25/H1596t/*3208* .. .. each **49/-**

Low gear: 17, 18, 19, 20 and 21 T.
Middle gear: 13, 14, 15, 16, 17 and 18 T.
Top gear: 12, 13, 14 and 15 T.
All Sprockets are interchangeable.

The Hub is specially designed to give correct clearance and Free Wheel support—all bearings are running in dust-proof grease-retaining cups. No loose ball bearings. Extra large pawls—pawl action and ratchet are the strongest to be found in any existing free wheel—springs easily detached.

For cleaning and dismantling, one nut only to unscrew.

The only free wheel giving a 12 T. sprocket.



"SIMPLEX" DERAILLEUR REAR STEEL CYCLE HUBS.

(Foreign.)

Specially screwed for use with three-speed gear and screwed opposite side for cog and lock ring. 40 holes. Chromium Plated.

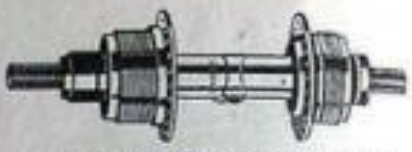
No. 25/H1598b/*404* .. each **5/9**

FREE WHEEL AND SPROCKETS
Sizes ½" × ⅛".
Boss Type and Selection Standard.

High Gear	14, 15, 16 T. (loose).
Middle Gear	16, 17, 18 T. (fixed).
Low Gear	17 to 24 T. (loose).

Plain Type.

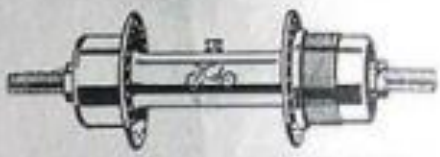
High Gear	16 to 17 T. (fixed).
Middle Gear	17 to 24 T. (loose).
Low Gear	18 to 24 T. (loose).



"CYCLO" DERAILLEUR REAR CYCLE HUBS

Double Screwed for Triple and Single Free Wheel. Drilled 40 Holes. 4¼" wide over packing washers.

No. 25/H1597e/*300* Chromium each **4/6**
25/H1597f/*300* Gun Black .. **4/6**



"CYCLO" DERAILLEUR REAR TANDEM HUB

Double Screwed for Single and Triple Free Wheels. 5" wide over packing washers. Drilled 40 Holes.

No. 25/H1597h/*404* Chromium each **6/6**
25/H1597k/*404* Gun Black .. **6/6**



CYCLO "POLY" PROFESSIONAL TYPE THREE-SPEED DERAILLEUR GEAR. Cadmium Plated parts.

Weight, less Triple Free Wheel, 11 oz. Complete with Top Tube single uncovered control and Triple Free Wheel.

Complete with "Cyclo" Rear Hub.
No. 25/H1615a/*2300* Solo .. each **3/-**

Without "Cyclo" Rear Hub.
No 25/H1615p/*2000* Solo .. each **2/6**

Low gear: 18, 19 and 20 T.
Middle gear: 17 and 18 T.
Top gear: 14, 15 and 16 T.

Complete with "Cyclo" Unit Hub.
Sprockets sizes as for Hub Unit. Contains Triple Free Wheel.
No. 25/H1615w/*2304* Solo .. each **3/6**

HUBS—(THREE-SPEED)—*continued*

"CONSTRICTOR OSGEAR" DERAILLEUR SUPER CHAMPION CHAIN SPEED GEAR. (Foreign.)

With Triple Plain Pattern Free Wheel, with smallest Cog 16 or 17 T., Middle Cog 17, 18 or 19 T. Large Cog 20, 21 or 22 T.

Steel Fitments.

No. 25/H1604b/*1408*	Top Tube Control	..	each 19/6
25/H1604e/*1408*	Down ,, ,,	..	,, 19/6

Conloy Fitments.

No. 25/H1604h/*1505*	Top Tube Control	..	each 20/6
25/H1604m/*1505*	Down ,, ,,	..	,, 20/6

With Triple Boss Pattern Free Wheel, with smallest Cog 14 or 15 T., Middle Cog 16 or 17 T. Large Cog 17, 18, 19 or 20 T.

Steel Fitments.

No. 25/H1605b/*1505*	Top Tube Control	..	each 20/6
25/H1605e/*1505*	Down ,, ,,	..	,, 20/6

Conloy Fitments.

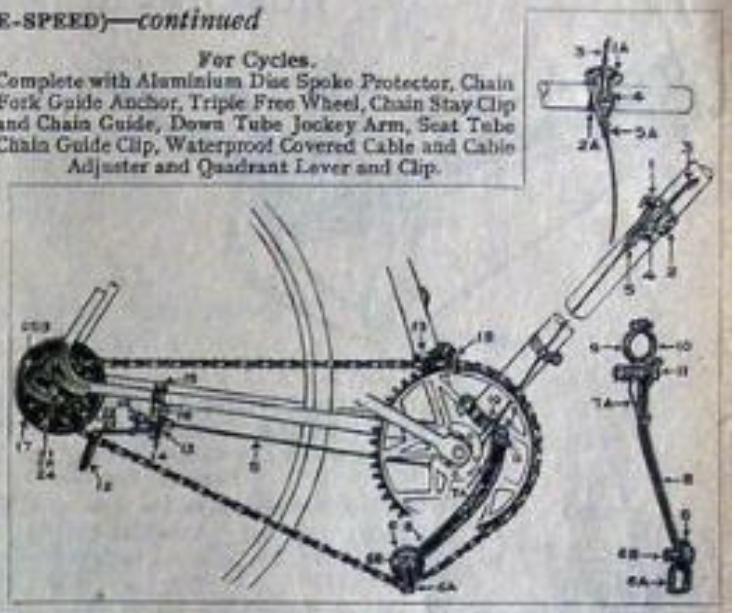
No. 25/H1605h/*1602*	Top Tube Control	..	each 21/6
25/H1605m/*1602*	Down ,, ,,	..	,, 21/6

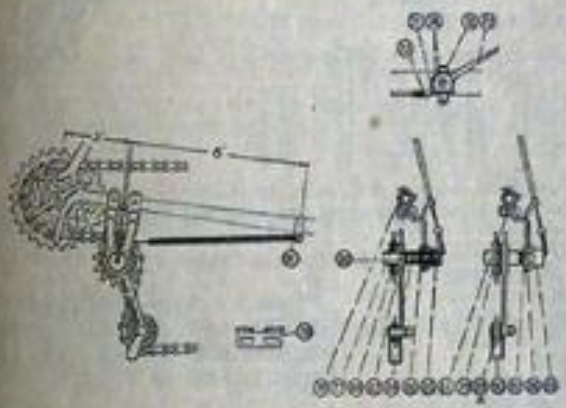
"Osgear" Derailleur Rear Cycle Hubs, specially screwed for use with Triple Free Wheels with the other side screwed to take fixed cog and lock ring. 40 holes (less wing nuts).

No. 25/H1597m/*702* Chromium Plated .. each 9/6

For Cycles.

Complete with Aluminium Disc Spoke Protector, Chain Fork Guide Anchor, Triple Free Wheel, Chain Stay Clip and Chain Guide, Down Tube Jockey Arm, Seat Tube Chain Guide Clip, Waterproof Covered Cable and Cable Adjuster and Quadrant Lever and Clip.





"CONSTRICTOR OSGEAR" DERAILLEUR SUPER CHAMPION "GRAND SPORT" CHAIN SPEED GEAR

(Foreign.)

For Cycles.

Complete with Jockey Double Roller System, Triple Free Wheel, Waterproof Covered Cable and Quadrant Lever and Clip.

Double Sprocket Model. Steel Fitments.

With Triple Plain Pattern Free Wheel, with smallest Cog 16 or 17 T., Middle Cog 17, 18 or 19 T. Large Cog 20, 21 or 22 T.

Top Tube Control.

No. 25/H1604r/*1611* .. .. each 22/6

With Triple Boss Pattern Free Wheel, with smallest Cog 14 or 15 T., Middle Cog 16 or 17 T. Large Cog 17, 18, 19 or 20 T.

Top Tube Control.

No. 25/H1605r/*1709* .. .. each 23/6

"SIMPLEX" CHAMPION DERAILLEUR THREE-SPEED GEARS. (Foreign.)

With quick Detachable Tension Arm and Roller System Pulleys, Protector to prevent Chain Slipping off pulleys.

Complete with Cable Top or Down Tube Control and Free Wheels.

For Solo Machines.

Light Tourist Model No. 1.

Less Hub with Fork end fixing Plate Attachment for ½" Chain.

No. 25/H1607a/*1611* .. .. each 22/6

Light Tourist Model No. 2.

Less Hub with Chain Stay Bracket Clip to Braze on.

No. 25/H1609a/*1809* .. .. each 25/-

Professional Model No. 4.

Less Hub with Fork End Fixing Plate Attachment for ½" Chain.

No. 25/H1611a/*2206* .. .. each 30/-

"SIMPLEX" CHAMPION DU MONDE DERAILLEUR FOUR-SPEED GEARS. (Foreign.)

Professional Model No. 4.

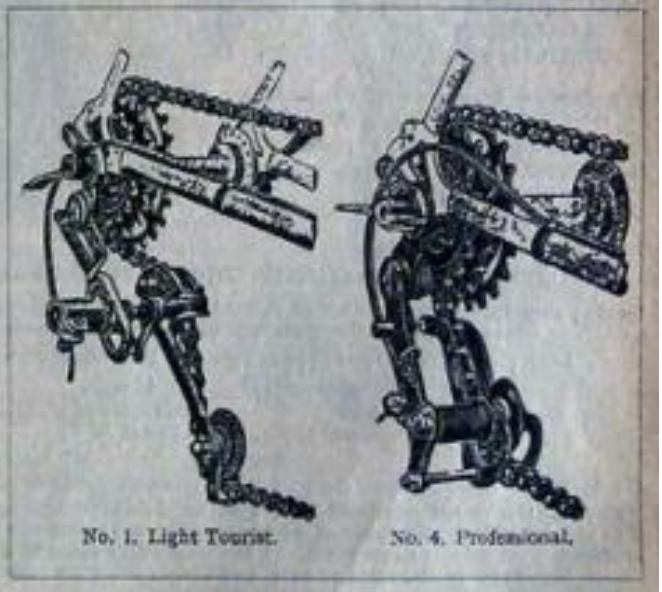
For Solo Machines less Hub with Fork End Fixing Plate Attachment for ½" Chain.

No. 25/H1611d/*2502* .. .. each 33/6

Can be supplied to suit Tandem Machines. */111* Extra ,, 2/6

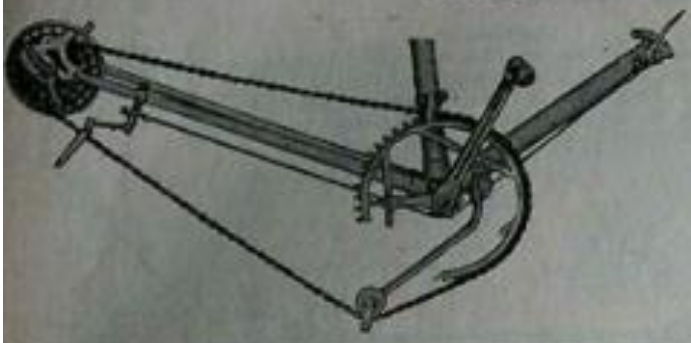
Sizes 25 to 30 T. can be supplied at an extra charge.

Can be supplied with Duralium Cogs in lieu of Steel Cogs at an extra charge.



No. 1. Light Tourist. No. 4. Professional.

HUBS (TWO- AND THREE-SPEED)—*continued*



"SIMPLEX" SELECTION STANDARD DERAILLEUR THREE-SPEED GEAR. (Foreign.)

Complete with Aluminium Spoke Disc Protector, boss type Triple Free Wheel, Chain Stay Clip with patent Fork Arm Chain Guide, Jockey Arm with Down Tube Clip Fitting, Seat Tube Chain Guide Clip, Waterproof covered Cable with Down Tube Quadrant Lever and Clip. For ½" Chain.

All parts made of light metal alloy.

No. 25/H1612a/*1408* Less Hub .. .. each 19/6

With Hub and Octagonal Detachable Cogs and Lock Ring.

No. 25/H1612e/*3702* .. .. each 49/-

CYCLO "WITMY" IMPROVED PATENT TWO-SPEED CLOSE RATIO DERAILLEUR ROLLER CHAIN SPEED GEAR

Complete with Single Waterproof Cable, Top Tube Control and Free Wheel. Black and Chromium Plated Finish.



Weight, approximately 15 oz. less Hub.

Complete with "Cyclo" Rear Hub.

No. 25/H1614a/*1300* For Solo .. each **19/6**
25/H1614g/*1508* ,, Tandem ,, **23/6**

Complete without Rear Hub.

No. 25/H1614p/*1000* For Solo .. each **15/-**
25/H1614t/*1104* ,, Tandem ,, **17/-**

The following combination of Free Wheels supplied from stock :—

16 T. × 17, 18, 19, 20 T. 17 T. × 18, 19, 20, 21T.
18 T. × 19, 20, 21, 22 T. 19 T. × 20, 21, 22, 23T.
20 T. × 21, 22, 23, 24 T. 21 T. × 22, 23, 24, 25T.

Complete with "Cyclo-Unit" Hub combined with Free Wheel.

Weight 26 oz.

Will fit any existing machine with 4½" clearance between Fork Ends. For Solo.

No. 25/H1614w/*1304* each **20/-**



The following combination of Sprockets supplied from stock :—

13 × 14 T. 14 × 15 T. 15 × 16 T.
13 × 15 T. 14 × 16 T. 15 × 17 T.
13 × 16 T. 14 × 17 T. 15 × 18 T.
13 × 17 T. 14 × 18 T. 15 × 19 T.

Easily fitted to any machine without Gear Case. This Gear is suitable for use with ordinary Hubs as well as the "Cyclo." It is instantly removed, being held by the wheel spindle nut and one wing nut only.

For Roadster Cycle with ⅜" D Stays.

Gent.'s. Type SG. ⅜" × ⅜".

No. 25/H1622b/*1100* 11" Ratio each **15/-**
25/H1622c/*1100* 24" ,, ,, **15/-**
25/H1622d/*1100* 36" ,, ,, **15/-**

Lady's. Type SL.

No. 25/H1622e/*1100* 11" Ratio each **15/-**
25/H1622f/*1100* 24" ,, ,, **15/-**
25/H1622g/*1100* 36" ,, ,, **15/-**

For Tandem Machines with extra length of cable for ⅜" Round Chain Stays, ⅜" × ⅜".

Double Gent.'s. Type T.

No. 25/H1622r/*1206* 11" Ratio each **17/-**
25/H1622s/*1206* 24" ,, ,, **17/-**
25/H1622t/*1206* 36" ,, ,, **17/-**

VILLIERS TWO-SPEED GEARS.

Screwed 1⅛" × 24 T. to fit existing hubs. Complete with top tube control, Free Wheels and Fixed Cogs, less Hub.

Size 20/19 × 19/20 Giving 11% increase
,, 20/18 × 18/20 ,, 24% ,,
,, 21/18 × 18/21 ,, 36% ,,



For Racing Cycles with ⅜" Round Stays.

Gent.'s. Type RG. ⅜" × ⅜".

No. 25/H1622h/*1100* 11" Ratio
25/H1622k/*1100* 24" ,,
25/H1622L/*1100* 36" ,,

Lady's. Type RL.

No. 25/H1622m/*1100* 11" Ratio
25/H1622n/*1100* 24" ,,
25/H1622p/*1100* 36" ,,

For Carrier Cycles with ⅜" D Stays.

Type C. ⅜" × ⅜".

25/H1622x/*1206* 24" Ratio

"SUPER-INAX" DERAILLEUR THREE-SPEED GEAR. (Foreign.)

Single pulley type with Protector to prevent chain slipping off, and aluminium disc Spoke Protector. Complete with silver aluminium finish cable.

Lever Control to fit Top or Down Tube and Free Wheel with Sprockets.

Sprocket sizes ½" pitch × ⅛" wide.

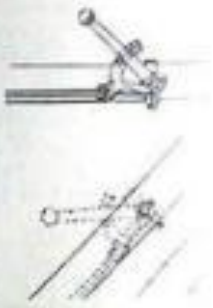
Top Gear: 13, 14 and 15 T. Middle Gear: 16, 17 and 18 T.
Low Gear: 17, 18, 19, 20, 21 and 22 T.

For Solo.

No. 25/H1629/*1609* .. .. each **22/6**

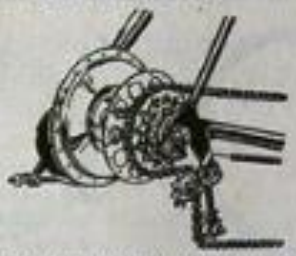
Pulley arm is fixed to the inside of the fork end and held in position by shoulder between fork end slot with securing nut and washer outside; also acting as a wheel stop. This enables the wheel to be removed without disturbing the gear itself, in fact the wheel is removed and replaced as on an ordinary single gear machine.





HUBS (THREE-SPEED)—*continued*







"TRIVELOX" DERAILLEUR THREE-SPEED GEARS.

Double Cog Jockey Tension Model.

Solo.

½" Round Chain Stays. 1¼" C.L. 1" T.T.C.

Model A1. Without Hub Brake.

No. 25/H1620b/*2108* Chromium .. each 32/6
25/H1620c/*2108* Black 32/6

Model A2. With Internal Expanding Hub Brake.

Handlebar Control.

No. 25/H1621b/*2808* Chromium .. each 43/–
25/H1621c/*2808* Black 43/–

Sprocket sizes .. .. ½" pitch × ¼" wide
High Gear .. .. .. 14, 15, 16, 17, 18 teeth
Middle Gear .. .. 17, 18, 19, 20, 21 ..
Low Gear .. 19, 20, 21, 22, 23, 24, 25, 26 ..



Special Fork End Plates with Stay Eyes drilled can be supplied for bolting Jockey Pulley Guide Support to allow Quick Release of wheel without disturbing the Gear, in lieu of Chain Stay Clip Attachment.

/*104* For Cycles .. .. extra per pair 2/-
/*104* For Tandems 2/-

Supplied with Cable-cum-Rod at same Price.

Tandem, for Double Gent.'s.

½" Round Chain Stays. 1¼" C.L. 1¼" T.T.C.

Model A3. Without Hub Brake.

No. 25/H1620m/*2304* Chromium .. each 35/–
25/H1620n/*2304* Black 35/–

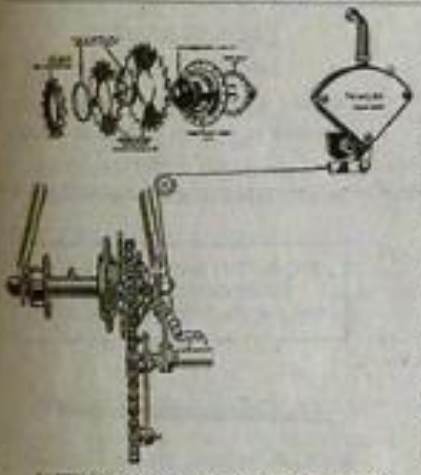
Model A4. With Internal Expanding Hub Brake.

Complete with Handlebar Lever and Waterproof Cable Control to Hub.

No. 25/H1621m/*3004* Chromium .. each 45/6
25/H1621n/*3004* Black 45/6

It is always best to build the gear side first, lacing the spokes as tight as possible before commencing on the opposite side. This should automatically show the correct dish required for centralising the rim.

NOTE.—Chain is in perfect alignement on all Model A gears.



"TRIVELOX" MODEL B HUB AND FREE WHEEL COMBINED

Complete with 3 sprockets. Suitable for most makes of Three-speed Derailleur Gears. Chromium Plated.

Sprocket sizes as for Model B.

No. 25/H1619b/*900* .. .. each 13/6

"TRIVELOX" DERAILLEUR THREE-SPEED GEARS.

Double Cog Jockey Tension Model with Top Tube Control.

Model B1. Solo without Hub Brake.

No. 25/H1619p/*1804* Chromium .. each 27/6

Model B2. Solo with Internal Expanding Hub Brake.

No. 25/H1619s/*2504* Chromium .. each 38/–

Sprocket sizes ½" × ¼".

Top Gear .. .. .. 12, 13, 14, 15, 16 T.
Middle and Low Gear 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 T.

Model C1. Solo with Screw-on Free Wheel (without Hub).

No. 25/H1619w/*1608* .. .. .. each 25/–

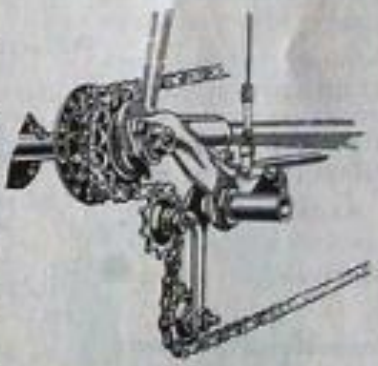
Model C2. Tandem.

No. 25/H1619x/*1704* .. .. .. each 26/–

Sprocket sizes, ½" × ¼".

Top Gear .. .. .. 14, 15, 16, 17, 18 T.
Middle Gear .. .. .. 17, 18, 19, 20, 21 T.
Low Gear .. 19, 20, 21, 22, 23, 24, 25, 26 T.

Sprockets for Model A are interchangeable with Model C.





Building and Spoke Lengths.

For Model A2 or B2 Solo 1¼" C.L. with Brake for 26" × 1¾" Endrick.
Spokes 10¾" × 13 × 15G S/B on brake side, laced over three.
.. 9⅝" × 13 × 15G S/B on gear side, ... one.

For Model A1 or B1 Solo 1¼" C.L. without Brake, for 26" × 1¾" Endrick.
Spokes 11¾" × 15G or 15/17G on plain side, laced over four.
.. 11¾" × 13 × 15G S.B. on gear side. .. .. four.

For Model A4 Tandem 1¼" C.L. with Brake for 26" × 1¾" Rim.
Spokes 9¾" × 12/14G S/B on brake side, laced over two.
.. 9¾" × 12/14G S/B on gear side, ... one.

For Model A3 Tandem 1¼" C.L. without Brake for 26" × 1¾" Rim.
Spokes 11¾" × 14G or 14/16G on plain side, laced over four.
.. 9¾" × 12/14G S/B on gear side, ... one.

HUB COGS



"B.S.A." GENUINE HUB COGS

Screwed standard bore, 1⅛" × 24 thread.

⅛" Pitch. No. 1 Pattern Central.

16, 18 or 20 teeth.

No. 25/H1651/102 ⅛" wide .. each 1/7

⅛" Pitch. No. 2 Pattern Offset.

No. 25/H1652/102 18 T. × ⅛" wide each 1/7

¼" Pitch. No. 3 Pattern Offset.

14, 15, 16, 17, 18, or 20 teeth.

No. 25/H1653/102 ¼" wide .. each 1/7

16, 18 or 20 teeth.

No. 25/H1654/102 ⅜" wide .. each 1/7

1" Pitch. No. 3 Pattern Offset.

7, 8, or 9 teeth.

No. 25/H1655/102 ¼" wide .. each 1/7
25/H1656/102 ⅜" wide 1/7

½" Pitch. No. 4 Pattern Offset.

18 or 20 teeth.

No. 25/H1657/102 ½" wide .. each 1/7
25/H1658/102 18 T. × ⅜" wide .. 1/7

"CHATER LEA" HUB COGS

Screwed standard bore. 1⅛" × 24 thread.

½" Pitch.

13, 14, 15, 16, 17 and 18 teeth.

No. 25/H1690g/10 ½" wide .. each 1/1

19 and 20 teeth.

No. 25/H1690k/101 ½" wide .. each 1/6

21 teeth.

No. 25/H1690m/104 ½" wide .. each 1/8

For Carrier Hubs.

Screwed 1⅛" × 24 thread. ½" pitch × ⅜".

No. 25/H1696m/106 22 teeth .. each 1/11

"B.B.L." HUB COGS

Screwed standard bore, 1⅛" × 24 thread

⅛" Pitch × ⅛" wide.

12, 13, 14, 15, 16, 17 or 18 teeth.

No. 25/H1660g/6 .. .. each –/9
25/H1660g/509 per doz. —
25/H1660k/6 19 or 20 T. each –/9
25/H1660k/509 .. per doz. —
25/H1660m/7 21 or 22 T. each –/10
25/H1660p/9 24 T. 1/2

¼" Pitch × ¼" wide.

14, 16 or 18 teeth.

No. 25/H1661g/6 .. .. each –/9
25/H1661g/509 per doz. —
25/H1661k/6 20 T. each –/9
25/H1661k/509 per doz. —
25/H1661m/7 22 T. .. each –/10
25/H1661p/9 24 T. 1/2

15 T. × ⅛" Pitch × ⅛" wide.

No. 25/H1663e/6 .. .. each –/9

1" Pitch.

6, 7, 8, or 9 teeth.

No 25/H1666g/7 ⅛" wide .. each –/10
25/H1667g/7 ¼" .. .. .. –/10



LIGHTWEIGHT HUB COGS

⅛" Pitch × ⅛" wide. Screwed 1⅛" × 24 thread.

"B.W."

Central Cutout. 17, 18, 19 and 20 T.
No. 25/H1684k/603 .. .. doz. 9/–

Offset Plain. 14, 15 and 16 T.
No. 25/H1685f/603 .. .. doz. 9/–

Offset Cutout. 17, 18 and 20 T.
No. 25/H1685k/603 .. .. doz. 9/–

22 T.
No. 25/H1685k/609 .. .. doz. 10/–

"T.D.C."

Offset. Cadmium plated.

No. 25/H1700e/509 16 T. Plain doz. 9/–
25/H1700f/509 17 T. 9/–
25/H1700g/509 18 T. Cutout .. 9/–
25/H1700h/509 19 T. 9/–
25/H1700k/509 20 T. 9/–



"B.B.L." HUB COGS

Not Hardened.

⅛" Pitch × 24 Thread.

1⅛" Bore.

⅛" wide.

No. 25/H1670k/100 14 T. .. each 1/6
25/H1670k/104 16 T. 2/–
25/H1670k/105 18 T. 2/3
25/H1670k/108 20 T. 2/6

22 T. × ⅛" wide.

1⅛" Bore × 24 Thread.

No. 25/H1670m/111 .. .. each 3/–

24 T. × ⅛" wide.

No. 25/H1670p/202 .. .. each 3/3

¼" wide. 1⅛" Bore.

No. 25/H1671k/101 14 T. .. each 1/6
25/H1671k/104 16 T. 2/–
25/H1671k/105 18 T. 2/3
25/H1671k/108 20 T. 2/6

1⅛" Bore × 24 Thread.

22 T. × ⅜" wide.

No. 25/H1671m/111 .. .. each 3/–

24 T. × ⅜" wide.

No. 25/H1671p/202 .. .. each 3/3

⅛" Pitch × ⅛" or ¼"
1⅛" Bore × 24 Thread.

No. 25/H1672/205 26 T. .. each 3/9
25/H1672/209 28 T. 4/3
25/H1672/300 30 T. 4/6
25/H1672/303 32 T. 5/–
25/H1672/500 43 T. × ⅛" .. 7/6

Stocked in above sizes.

We can also supply in a few days other sizes, from 14, rising by one tooth, to 60 teeth in ⅛" pitch × ⅛" or ¼".



HUB COGS FOR "BAYLISS WILEY," UNIT COMBINED FREE WHEEL HUBS

Teeth specially machined to work with Derailleur Gear.

12, 13, 14, 15, 16, 17, 18, 19 and 20 T. ⅛" × ⅛".
No. 25/H1687a/603 .. .. doz. 9/–

21 and 22 T. × ⅛" × ⅛".
No. 25/H1687L/609 .. .. doz. 10/–

Standard Hub Sprockets will fit, but will not work satisfactorily with Derailleur gears. All sprockets are interchangeable on all gears.

HUB COGS—*continued*



"BLUMFIELD"

½" pitch × ⅛" wide.

Offset. Mottled Finish.

No. 25/H1688c/*100*	14 T. Plain	each	1/3
25/H1688c/*1103*		doz.	—
25/H1688d/*100*	15 T. ,,	each	1/3
25/H1688d/*1103*		doz.	—
25/H1688e/*100*	16 T. Cutout	each	1/3
25/H1688e/*1103*		doz.	—
25/H1688f/*100*	17 T. ,,	each	1/3
25/H1688f/*1103*		doz.	—
25/H1688g/*100*	18 T. ,,	each	1/3
25/H1688g/*1103*		doz.	—



"PERRY" DOUBLE LIGHTWEIGHT HUB COGS

Screwed 1⅛" × 24 thread. ½" pitch × ⅛" wide.

No. 25/H1706c/*106*	14 & 17 T.	each	2/3
25/H1706d/*106*	15 & 18 T.	,,	2/3
25/H1706e/*106*	16 & 19 T.	,,	2/3
25/H1706f/*106*	17 & 20 T.	,,	2/3
25/H1706g/*106*	18 & 21 T.	,,	2/3
25/H1706k/*106*	16 & 18 T.	,,	2/3

"STURMEY-ARCHER" HUB COGS

To suit old Models A, K, N, TBC, BRC and BRT Hubs.

To suit current Models AT, ABC, BRC and BRT Hubs.

Screw-on Pattern 16, 17, 18, 19 and 20 teeth, ½" × ⅛" and 16, 18 T., ½" × ⅛".

No. 25/H1707a/*6* .. .. each −/9

To suit old Models KS and KSW.

To suit new Models AM, AR, TF and TC.

Splined or Slotted Pattern to push on.

No. 25/H1707p/*8* 14 T. × ½" × ½" each 1/−

15, 16, 17, 18, 19 and 20 teeth, ½" × ⅛".

No. 25/H1707r/*6* .. .. each −/9

25/H1707t/*100* 22 T. × ½" × ⅛" ,, 1/6



"VILLIERS" LIGHTWEIGHT HUB COGS

1" pitch × ⅛" wide.

Offset. 6, 7, 8 and 9 T.

No. 25/H1708a/*706* .. .. per doz. 11/−

Central. 6, 7, 8 and 9 T.

No. 25/H1708k/*706* .. .. per doz. 11/−

1" pitch × ⅛" wide.

Offset. 6, 7, 8 and 9 T.

No. 25/H1709a/*706* .. .. per doz. 11/−

Central. 6, 7, 8 and 9 T.

No. 25/H1709k/*706* .. .. per doz. 11/−

½" pitch × ⅛" wide.

Central.

Sizes: 12, 13, 14, 15, 16, 17, 18, 19, 20 T.

No. 25/H1710k/*606* .. .. per doz. 10/−

21, 22 T.

No. 25/H1710k/*706* .. .. per doz. 11/−

Offset.

12, 13, 14, 15, 16, 17, 18, 19, 20 T.

No. 25/H1711k/*606* .. .. per doz. 10/−

21, 22 T.

No. 25/H1711k/*706* .. .. per doz. 11/−

Note.—9 and 18 teeth and up are supplied in Cut-out pattern.



WILLIAM'S DUREEL SUPER LIGHTWEIGHT HUB COGS

Screwed 1⅛" × 24 thread, ½" pitch × ⅛" wide.

Offset Pattern.

No. 25/H1716e/*111*	14 T. ..	each	2/9
25/H1716f/*111*	15 T. ..	,,	2/9
25/H1716g/*111*	16 T. ..	,,	2/9
25/H1716h/*111*	17 T. ..	,,	2/9
25/H1716k/*111*	18 T. ..	,,	2/9
25/H1716l/*202*	19 T. ..	,,	3/−
25/H1716m/*202*	20 T. ..	,,	3/−

Central Pattern.

No. 25/H1717g/*111*	16 T. ..	,,	2/9
25/H1717l/*202*	19 T. ..	,,	3/−
25/H1717m/*202*	20 T. ..	,,	3/−

For Dureel Chain Wheels and Cranks, see page 78.

Other sizes to special order.



"CONSTRICTOR" HUB COGS LIGHT OFFSET PATTERN

⅛" Pitch × ⅛" wide.

Sizes: 13, 14, 15, 16, 17, 18, 19, 20 teeth.

No. 25/H1702k/*9* .. .. each 1/−

25/H1702k/*7½* lots of 5 and over ,, —

"CYCLO" PHOSPHOR-BRONZE LIGHT HUB COGS, MACHINED

Specially made for Path Racing

½" pitch × ⅛" wide.

Sizes: 13, 14 T.

No. 25/H1703/*300* .. .. each 1/6



"B.B.L." COGS WITH BOSS

To suit cycle th... ·305 dia. roller, ½" ... parallel bore

½" pitch × ⅛" wide.

8, 9, 10, 11, 12 T.

No. 25/H1714/*102* .. ..

25/H1715c/*104* 13, 14 T.

15, 16, 17, 18 T.

No. 25/H1715g/*110* .. ..

25/H1715k/*201* 19, 20 T.

25/H1715t/*308* 29 T.

½" pitch × ⅛" wide.

No. 25/H1718/*102* 10, 12 T.

25/H1719c/*103* 14 T.

25/H1719g/*110* 16, 18 T.

25/H1719k/*201* 20 T.

25/H1719m/*204* 22 T.

25/H1719p/*204* 24 T.

8 T. 9 T. 10 & 11 T. 12 ...

Dia. of Boss, small end

⅜" ½" 1⅛"

Overall Width.

⅛" ⅛" ⅜"

14, 15, 16 T. 17 to 2...

Dia. of Boss, small end

1⅛"

Overall Width.

⅜" ½"

We can also supply specially to order ... few days, sizes:

21, 22, 23, 24 and 25 T. × ½" × ⅛".

8, 9, 11, 13, 15, 17, 19, 21, 22, 23, 24 & 2... × ½" × ⅛".

HUB COGS—*continued* AND LOCK RINGS



HUB COG ADAPTERS AND LOCK RING

Inner bore is $\frac{7}{8}$" plain. Outer thread is $1\frac{1}{8}$" × 24. (Cog extra.)

No. 25/H1720/*106* .. .. each 2/–
25/H1720/*1600* doz. —

HUB COGS FOR DERAILLEUR GEARS

$\frac{1}{2}$" pitch × $\frac{1}{8}$" wide Right-hand thread.

For "Trivelox" 1936/7 Model.

High gear for three-speed with narrow flange on both sides, screwed $1\frac{13}{16}$" bore.

14, 15, 16, 17 and 18 T.

No. 25/H1732c/*106* .. .. each 2/–

Middle gear for three-speed with narrow flange on both sides, screwed $2\frac{1}{16}$" bore.

17, 18, 19, 20 and 21 T.

No. 25/H1732f/*106* .. .. each 2/–

Low gear for three-speed **splined**, not flanged.

20, 21, 22, 23, 24, 25 and 26 T.

No. 25/H1732k/*106* .. .. each 2/–



"BLUMFIELD" LIGHTWEIGHT HUB LOCK RINGS

Mottled finish with four slots. Standard size.

No. 25/H1740/*4* .. .. each –/5
25/H1740/*309* per doz. —



"B.W." HUB COG LOCK RINGS

Blued finish. Bevelled one side. Standard size.

No. 25/H1741L/*107* .. per doz. 2/6



"B.B.L." HUB COG LOCK RINGS

Standard size.

To suit cogs 6 T. × 1" or 12 T. × $\frac{1}{2}$" pitch.

No. 25/H1741a/*109* .. per doz. 2/8

To suit cogs 7 T. × 1" or 13 T. × $\frac{1}{2}$" pitch and upwards.

No. 25/H1741d/*105* .. per doz. 2/3
25/H1741d/*1606* per gross. —



HUB COGS FOR DERAILLEUR GEARS

$\frac{1}{2}$" pitch × $\frac{1}{8}$" wide.

For "Simplex."

High gear or small cog for boss type No. M3 with single flange. Screwed $1\frac{1}{16}$" bore.

No. 25/H1730e/*108* 14, 15 and 16 T. each 2/3

Middle or low gear for plain No. E3 or low or high for boss type No. M3 Free Wheels, interchangeable with single flange. Screwed $2\frac{1}{16}$" bore.

17, 18, 19, 20, 21, 22, 23 and 24 T.

No. 25/H1730k/*108* .. .. each 2/3
25/H1730k/*200* 25 and 26 T. .. 2/8
25/H1730k/*203* 27 and 28 T. .. 3/–
25/H1730k/*207* 29 and 30 T. .. 3/5

High gear or small cog, push on octagonal bore with wide flange.

No. 25/H1731c/*108* 14, 15 and 16 T. each 2/3

Middle and low gear, push on octagonal bore with narrow flange.

15, 16, 17, 18, 19, 20, 21, 22, 23 and 24 T.

No. 25/H1731f/*108* .. .. each 2/3
25/H1731f/*200* 25 and 26 T. .. 2/8
25/H1731f/*203* 27 and 28 T. .. 3/–
25/H1731f/*207* 29 and 30 T. .. 3/5

Duralumin cogs can be supplied at an extra charge to special order in a few days.

For "Constrictor Osgear."

High gear or small cog for boss type.

13, 14, 15 and 16 T.

No 25/H1726e/*103* .. .. each 1/8

Middle or low gear for plain or low or high for boss type free wheels, interchangeable.

With single flange Screwed $2\frac{1}{16}$" bore.

17, 18, 19, 20, 21, 22 and 23 T.

No. 25/H1728k/*105* .. .. each 1/10

High gear on plain and middle on Boss type are fixed to body of free wheel.



HUB COG LOCK RINGS "VILLIERS"

Dull plated. Rustless finish. Standard size.

For 12 or 13 T.

No. 25/H1741n/*110* .. per doz. 3/–

For 14 T. and upwards.

No. 25/H1741p/*108* .. per doz. 2/6

"STURMEY-ARCHER"

Black finish to suit three-speed and two-speed fixed Hubs K 36.

No. 25/H1741m/*4* .. each –/6



HUB COGS FOR DERAILLEUR GEARS

$\frac{1}{2}$" pitch × $\frac{1}{8}$" wide.

For "Cyclo" and "Witney."

Low gear for two-speed with single flange screwed $2\frac{1}{16}$" bore, Left-hand thread.

17, 18, 19, 20, 21, 22, 23, 24, 25 and 26 T.

No. 25/H1725a/*106* .. each 2/–

High gear or small cog for three-speed or 1st gear on four-speed, with single flange, screwed $1\frac{1}{8}$" outside, Right-hand thread.

13, 14, 15, 16, 17 and 18 T.

No. 25/H1725c/*104* .. .. each 1/9

Middle gear for three-speed or second gear for four-speed with double flange, screwed $2\frac{1}{16}$" bore and $1\frac{1}{8}$" bore, Right-hand thread.

17, 18, 19, 20, 21 and 22 T.

No. 25/H1725f/*108* .. .. each 2/3

Low gear for four-speed with single flange, screwed $2\frac{1}{16}$" bore, Left-hand thread.

25, 26 and 28 T.

No. 25/H1725m/*108* .. each 2/3

For "Cyclo" Unit Combined Free Wheel Hubs.

Teeth specially machined to work with Derailleur gears.

12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 and 26 T. × $\frac{1}{2}$" × $\frac{1}{8}$".

No. 25/H1725t/*11* .. .. each 1/3

Standard Hub Sprockets will fit, but will **not** work satisfactorily with Derailleur gears. All sprockets are interchangeable on all gears.



"CHATER LEA"

With two pin holes. Blued. No 1427-1.

To suit cogs 6 T. × 1" or 12 T. × $\frac{1}{2}$" pitch.

No. 25/H1742a/*500* .. per doz. 6/7

To suit cogs 7 T. × 1" or 14 T. × $\frac{1}{2}$" pitch and upwards. No. 1427.

No. 25/H1742d/*402* .. per doz. 5/6

To suit Carrier Hubs No. 491. Screwed $1\frac{1}{8}$" × 24 T. (No. 1406).

No. 25/H1742g/*500* .. per doz. 6/7



HUB COG SPACING OR PACKING WASHERS

$1\frac{1}{8}$" bore × $\frac{1}{16}$" thick.

No. 25/H1746a/*8* "B.B.L." per doz. 1/–

"Chater Lea."

No. 25/H1746c/*9* .. per doz. –/11

HUB REPAIR PARTS

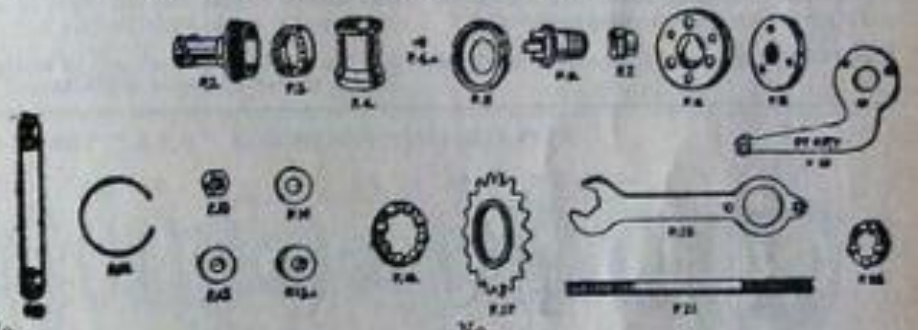
REPLACEMENT PARTS FOR "NEW-DEPARTURE" COASTER HUBS. 1913 TO 1924 MODELS



No.		
25/HA1/*302*	Hub Shell .. each	4/9
25/HA2/*106*	Driver	2/3
25/HA3/*100*	Clutch Sleeve	1/6
25/HA4/6	Spindle, without nuts and cones	–/9
25/HA5/6	Lock Nut for Sprocket ..	–/9
25/HA6/*100*	Brake Clutch	1/6
25/HA7/3	Cone (adjusting) .. each	–/4½
25/HA813	Brake Box (*obsolete, withdrawn*)	
25/HA913/*10*	Brake Disc or Cover each	1/3
25/HA1013	Brake Arm, with bolt and nut (less clip) (*obsolete, withdrawn*)	
25/HA1113	Clip, with one bolt and nut (for brake arm) (*obsolete, withdrawn*)	
25/HA12/6	Transfer Spring or Sleeve .. .. each	–/9
25/HA13/*106*	Spindle Nut .. doz.	2/–
25/HA14/6	Washer, plain (thin) ..	–/9
25/HA14t/*100*	Washer, plain (thick) ..	1/6
25/HA15/*106*	Convex Washer ..	2/–
25/HA16/6	Ball Cage, large (with balls) .. each	–/9
25/HA17	Sprocket (*obsolete, withdrawn*)	
25/HA19/6	Spanner	–/9
25/HA20/5	Ball Cage, small (with balls) ..	–/8

REPLACEMENT PARTS FOR "PERRY" COASTER HUB (POSITIVE DRIVE)

No.		
25/HP2/*106*	Driver .. .. each	2/3
25/HP3/6	Positive Collar	–/9
25/HP4	Positive Sleeve (*obsolete, withdrawn*)	
25/HP4a/9	Screws (for 25/HP4) doz.	1/2
25/HP5/6	Lock Nut .. .. each	–/9
25/HP6/*100*	Brake Clutch	1/6
25/HP7/*300*	Cone .. .. per doz.	4/6
25/HP8	Brake Box (*obsolete, withdrawn*)	
25/HP9	Brake Cover (Ditto)	
25/HP10/*100*	Brake Arm, with one bolt and nut (less clip) .. .. each	1/6
25/HP11	Clip, with one bolt and nut (for brake arm) (*obsolete, withdrawn*)	
25/HP12/*100*	Drag Spring .. doz.	1/6
25/HP13/*106*	Axle Nut	2/–
25/HP14/6	Washer (thin) ..	–/9
25/HP15/*106*	.. (convex) ..	2/–



No.		
25/HP15a/*100*	Washer (thick) .. doz.	1/6
25/HP16/6	Ball Cage, large (with balls) .. each	–/9
25/HP17	*Sprockets (*obsolete, withdrawn*)	
25/HP19/6	Spanners .. .. each	–/9
25/HP20/5	Ball Cage, small (with balls)	–/8
25/HP21/6	Axle	–/9

REPLACEMENT PARTS FOR "PERRY" OR "B.W." IMPROVED COASTER HUB (FRICTION DRIVE).



Brake Arm Clip.

No.		
25/HP301/*105*½	Complete per doz.	2/3
25/HP302/9	Locking Washer ..	1/3
25/HP303	(*obsolete, withdrawn*)	
25/HP304/2	Notched Washer ..	–/6
25/HP305/*206*	Brake Arm ..	3/6
25/HP306/*107*	Brake Cone .. each	2/–
25/HP307/3	Dust Cap per doz.	–/6
25/HP308/*201*	Ball Ring & Balls ..	3/–
25/HP309/*409*	Hub Shell & Lubricator .. .. each	6/–
25/HP310/*105*	Brake Cylinder ..	1/10½
25/HP311/*107*	Brake Actuator ..	2/1
25/HP312/*11*	Roller Guide Ring	1/2
25/HP313/5½	Driving Rollers doz.	–/6
25/HP314/7	Sprocket .. each	–/10
25/HP315/*105*	Driving Sleeve	1/10½
25/HP316/5½	Dust Cap per doz.	–/6
25/HP317/*203*½	Sprocket Lock Ring	3/–
25/HP318/9	Axle and Cone .. each	–/11
25/HP319	Curved Washer (*obsolete, withdrawn*)	
25/HP320/*11*	Axle Nuts .. doz.	1/6
25/HP321/*102*	Spanner	1/9
25/HP322/*201*½	Step	3/–

HUB REPAIR PARTS—*continued*

REPLACEMENT PARTS FOR "EADIE" COASTER HUB WITH POSITIVE DRIVE.

No.		
25/H61r/407	Shell, with Cups and Serrated Ring .. each	6/1
25/H62r/108	Friction Plate .. „	2/3
25/H63r/101	Brake Spring and Phosphor Bronze Ring .. „	1/5
25/H64r/101	Brake Cone and Lever „	1/5
25/H65r/7	Brake Lever .. .. „	-/9
25/H66r/10	Clutch Nuts with Springs and Screws „	1/1
25/H67r/9	R.H. Cups .. .. „	-/11
25/H68r/106	Driving Screw .. „	1/11
25/H69r	Chain Rings (see page 171.)	
25/H70r/8	L.H. Cups .. .. each	-/8
25/H71r/5	Chain Stay Clips, complete .. .. „	-/7
25/H72r/5	Lock Nuts, with Oil-hole Cover .. .. „	-/7
25/H73r/2	Ball Retainers (with Balls) large .. „	-/3
25/H74r/2	Ditto, ditto, small .. „	-/3
25/H75r/10	Clutch Nut Spring .. doz.	1/1
25/H76r/500	Adjusting Cone .. „	6/9
25/H77r/10	Clutch Nut Spring Screw „	1/1

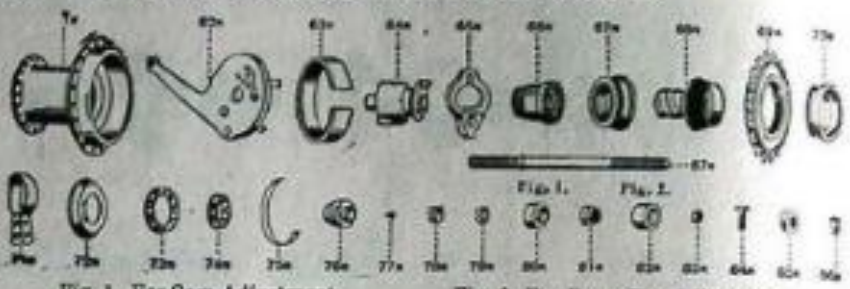


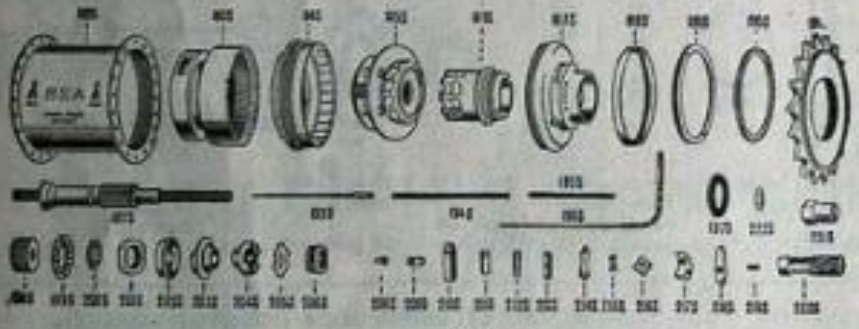
Fig. 1. For Cam Adjustment.

Fig. 2. For Draw Bar Adjustment.

No.		
25/H78r/10	Split Collar, narrow doz.	1/1
25/H79r/10	„ „ wide ..	1/1
25/H80r/108	Packing piece for B.S.A. Spindles „	2/3
25/H81r/108	Spindle Collar .. „	2/3
25/H82r/109	Packing piece for Round Spindles „	2/3
25/H83r/10	Chain Stay Clip Nut „	1/1
25/H84r/10	Chain Stay Clip Screw „	1/1
25/H85r/108	Spindle Nuts .. doz.	2/3
25/H86r/108	Lubricator .. .. „	2/3
25/H87r/705	Spindle fitted with (No. 25/H81r) Collar .. .. „	19/-
25/H88r/500	Lock Ring for 1⅛" chain line .. „	6/9
25/H89r/10	Eccentric Stop Pin for Expanding Brake „	1/1

NOTE.—Right-hand Cups and Clutch Nuts of the Positive Drive pattern will in future be supplied in place of those of the Friction type, the latter now being obsolete.

REPLACEMENT PARTS FOR "B.S.A." THREE-SPEED GEARS.



No		
25/H182s/211	Shell .. .. each	3/10
25/H183s/304	Sliding Carrier, only „	4/5
25/H183sc/407	Sliding Carrier, fitted with Pawls, Pegs and Springs .. .. „	6/1
25/H184s/205	Right-hand Cup or Driving Ratchet, new pattern, complete with 25/H188s .. „	3/-
25/H185s/204	Pinion Carrier, only .. „	3/-
25/H186s/108	Driving Piece .. .. „	2/3
25/H187s/204	End Plate, only .. „	3/-
25/H187sc/209	End Plate, fitted with Pawls, Pegs and Springs .. .. „	3/8
25/H189s/4	Plate for Sliding Carrier „	-/5
25/H190s/108	Cover for Right-hand Cup or Driving Ratchet doz.	2/3

No.		
25/H191s	Hub Rings (see page 171.)	
25/H192s/309	Spindle, with fixed cone and locking piece .. ..each	5/-
25/H192sc/509	B.S.A. Spindle, complete with the following parts: 192s, 193s, 194s, 195s, 196s, 199s, 200s, 201s, 202s, 206s, 208s, 209s, „	7/9
25/H193s/108	Coupling Screw .. doz.	2/3
25/H194s/108	Coupling Rod Spring „	2/3
25/H195s/108	Coupling Screw Spring „	2/3
25/H196s/7	Chain and Connecting Rod .. .. each	-/9
25/H197s/10	L.H. Cone Washer .. doz.	1/1
25/H198s/204	Stud Pinion	4/5

No.		
25/H199s/108	Ball Retainer, ¼" .. doz.	2/3
25/H200s/108	Ball Retainer, ⅜" .. „	2/3
25/H201s/206	Actuating Screw Nut .. „	3/-
25/H202s/4	Cone Cover .. each	-/3
25/H203s/5	Adjusting Cone with small diameter dust cover or washer to suit Hubs up to 1935 pattern .. each	3/-
25/H203ss/8	Adjusting Cone with large diameter dust cover or washer to suit Hubs 1935/6 pattern .. each	3/-
25/H204s/7	Fixed Cone .. „	3/-
25/H205s/10	Cone Locking Piece doz.	1/1
25/H206s/206	Actuating Screw .. „	3/-
25/H208s/10	Coupling Bush .. „	1/1
25/H209s/10	Bush for Spindle .. „	1/1
25/H210s/10	Pinion Peg .. .. „	1/1
25/H211s/109	Sliding Carrier Pawl Peg .. .. „	1/1
25/H212s/10	Pawl Peg .. .. „	1/1
25/H213s/105	Actuating Pin .. „	1/1
25/H214s/5	Oil-hole Cover .. „	1/1
25/H215s/4	Split Pin .. .. „	1/1
25/H216s/5	Toggle Connection Piece Nut .. „	1/1
25/H217s/108	End Plate Pawl .. „	2/3
25/H218s/108	Sliding Carrier Pawl „	2/3
25/H219s/4	Pawl Spring .. „	1/1
25/H220s/5	Step .. .. .. each	-/3
25/H221s/5	Guide Nut .. .. „	1/1
25/H222s 2	Cone Packing Washer doz.	1/1
25/H223s/5	Spindle Cover Nut (Lady's) .. .. each	-/3
25/H224s/10	Spindle Fixing Washer doz.	1/1
25/H230s/206	Three-speed Hub Spanner .. .. „	3/1

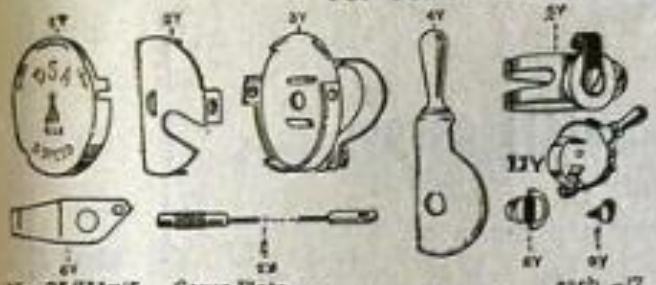
NOTE.—Part No. 25/H188s cannot be supplied separate, only supplied combined with 25/H184s.

In ordering, the Chain line should be stated, and special mention made when required for use with machines built of B.S.A. Fittings.

For Prices of Control Parts, see page 183.

HUB REPAIR PARTS—*continued*

TOP TUBE CONTROL PARTS FOR "B.S.A." THREE-SPEED



No. 25/H1y/5	Cover Plate	each	–/7
25/H2y/108	Connecting Plate	doz.	2/3
25/H3y/10	Back Plate, with Clip, Bolt and Screw	each	1/1
No. 25/H4y/5	Lever, complete	each	–/7
25/H5y/8	Guide Clip, with Bolt and Nut complete	"	–/10
25/H6y/10	Control Spring	doz.	1/1
25/H7y/8	Control Wire, with Connection	each	–/10
25/H8y/108	Control Connecting Rivet	doz.	2/3
25/H9y/10	Control Cover Screw	"	1/1
25/H10y/304	Top Tube Control, complete, with Guide Clip	each	4/5
25/H11y/201	Control Lever, assembled with Clip, Bolt and Nut	"	2/9
25/H12y/108	Cable Connecting Tube	doz.	2/3

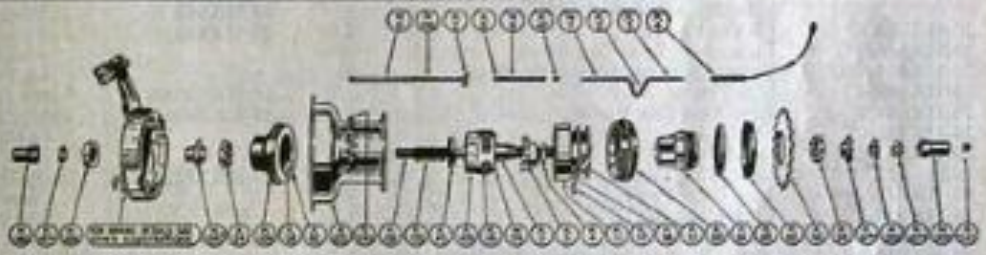
HANDLEBAR CONTROL PARTS FOR "B.S.A." THREE-SPEED



No. 25/H12z/108	Lever Caps, top	doz.	2/3
25/H13z/108	" " bottom	"	2/3
25/H15z/206	" top half of Clips	"	3/4
25/H16z/206	" Clip Bolt and Nut	"	3/4
25/H17z/208	Control Lever, assembled	each	3/7
25/H18z/8	Cable Outer Casing	"	–/10
25/H19z/108	" Connecting Tube	doz.	2/3
25/H20z/10	" Caps	"	1/1
25/H21z/10	" Wire Nipple	"	1/1
25/H22z/8	" Wire and Nipples	each	–/10
No. 25/H23z/4	Cable Stop Clip only	each	–/5
25/H24z/5	" " Pin and Nut	doz.	–/6
25/H25z/8	" Guide Clip, complete	each	–/10
25/H26z/108	" Guide Pulley only	doz.	2/3
25/H27z/500	Handlebar Control, complete with Cable, Guide and Stop Clip	each	6/7
25/H28z/108	Cable Screws and Nuts	doz.	2/3
25/H29z/10	" Brass Connection	"	1/1

WE CARRY LARGE AND REGULAR STOCKS OF PARTS FOR COASTER HUBS AND SPEED GEARS.

ORDERS PROMPTLY DESPATCHED



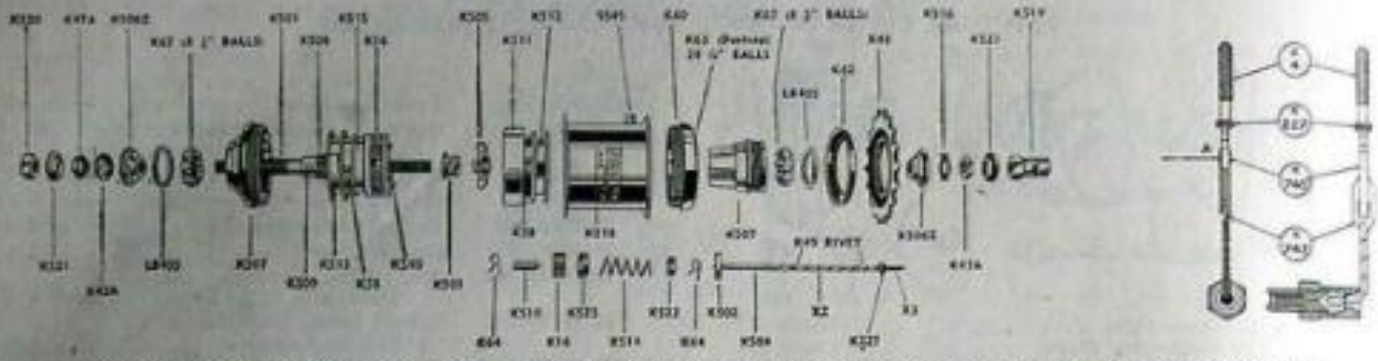
REPLACEMENT PARTS FOR "STURMEY-ARCHER" THREE-SPEED INTERNAL EXPANDING BRAKE HUBS MARK "KB" OLD PATTERN OR "AB" NEW PATTERN CYCLE AND "KT" OLD PATTERN OR "AT" NEW PATTERN TANDEM

No.			
25/HCS10c/104	Cam Lever Nut or K175	doz.	2/–
25/HK101/208	Axle, 6"	each	4/–
25/HK101a/208	Axle (Tandem), 6⅝"	"	4/–
25/HK102/304	Hub Shell (40 holes)	"	5/–
25/HK102a/304	Hub Shell (36 ")	"	5/–
25/HK103/204	Planet Cage	"	3/6
25/HK103z/308	Planet Cage with Pinions	"	5/6
25/HK104/204	L.H. Ball Cup	"	3/6
25/HK104z/210	L.H. Ball Cup with Pawls	"	4/3
25/HK105/8	L.H. Cone with Cone Cover Cap (K59)	"	1/–
25/HK106/3½	L.H. Adjustable Washer	"	–/5
25/HK107/108	Brake Arm	"	2/6
25/HK108cz/210	Brake Shoe with Friction Lining (K115) and Spring to suit	pair	4/3
25/HK112/3½	Brake Operating Cam with K114 Washer for K107	each	–/5
25/HK115/102	Friction Linings with 6 Rivet Holes (Old Type)	pair	1/8
25/HK116/104	Brake Shoe Spring with Long Hook (Old Pattern)	doz.	2/–
25/HK117/104	Fulcrum Sleeve for K107	"	2/–
25/HK123/104	Rivet for Brake Lining ⅜" long × ¼" dia. gross		2/–
25/HK124/104	Brake Arm Clip (Sports Model, Round)	doz.	2/–
25/HK125/104	Cage End Cap Spring	doz.	2/–
25/HK134/104	Brake Shoe Spring	"	2/–
25/HK135/8	Oil Ceiling Washer for L.H. Ball Clip	"	1/–
25/HK136/102	Brake Linings with 5 Rivet Holes	per pair	1/8
25/HK751/104	Axle, 6½" long for 1½" chain line (Tandem)	each	2/–
25/HK751z/110	Ditto, with K754 Sun Pinion (Tandem)	"	2/9
25/HK751a/104	Axle 6½" (Tandem)	"	2/–
25/HK751az/110	Axle 6½" with K754 Sun Pinion (Tandem)	"	2/9
25/HK752z/504	Shell 40 Holes (Tandem)	"	8/–
25/HK752az/504	Shell 36 holes (Tandem)	"	8/–
25/HK754/8	Sun Pinion 20 T. (NCCH) (Tandem)	"	–/8
25/HK755/10	Sliding Clutch "AT" (NCCH) (Tandem)	"	1/3
25/HKZ3/408	Axle, 6" with Sleeve and Indicator	each	7/–
25/HKZ4/408	Axle, 6⅝"	"	7/–
25/HKZ9/306	Axle, 6" complete with Sleeve, less Indicator	"	5/3
25/HKZ10/306	Axle 6⅝"	"	5/3
25/HN43/104	Brake Arm Clip (Cycle ordinary)	doz.	2/–
25/HS386/8	Brake Arm Clip Thumb Nut (Sports Model)	"	1/–
25/HS546/8	Brake Arm Clip Thumb Screw (Sports)	"	1/–
25/HX90/8	Brake Arm Clip Bolt (Cycle ordinary)	"	1/–

For Prices of parts for "Perry" Three-Speed Brake Hubs, other than above parts for "KB," see same interchangeable parts listed under "Sturmey-Archer" Mark "K" or "KS" Pattern.

Prices of all other parts see same interchangeable Part Nos. listed under Mark "K." Prices of Control Parts, see pages 185, 187 and 188.

HUB REPAIR PARTS—*continued*

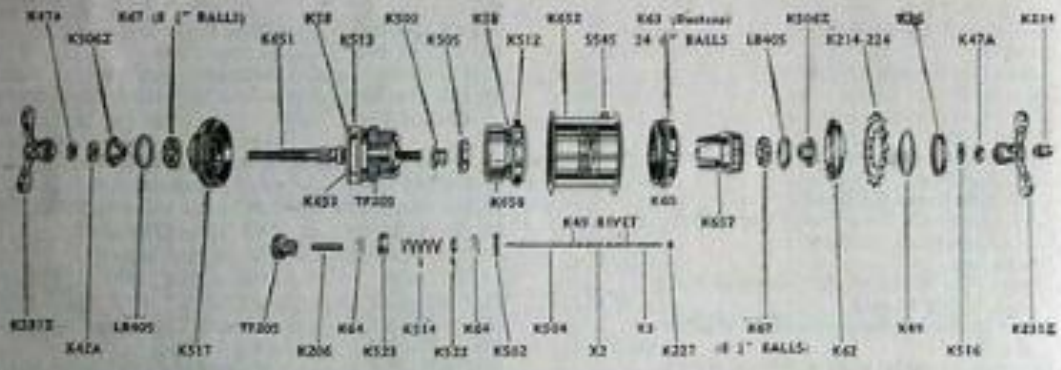


REPLACEMENT PARTS FOR "STURMEY-ARCHER" THREE-SPEED GEARS. MARK "AW" PATTERN

No.		
25/HDD5978/*106*	Driver Holder for Sprocket Removal for Mark "A" range of Hubs ..	each 2/3
25/HK501/*100*	Axle only, 5¼" long	,, 1/6
25/HK501a/*100*	Axle, 6¼" long	,, 1/6
25/HK501ax/*105*	Axle, 6¼" long, fitted with Sun Pinion	,, 2/1
25/HK501x/*105*	Axle, 5¼" long, fitted with Sun Pinion	,, 2/1
25/HK502/*104*	Axle Key	doz. 2/–
25/HK503/*208*	Sleeve	,, 4/–
25/HK504ax/*8*	Indicator Spindle, 2⅞" long, with chain and connection for K501a	each 1/–
25/HK504x/*8*	Indicator Spindle, 2⅞" long, with chain and connection for K501	,, 1/–
25/HK505/*8*	Sliding Clutch	,, 1/–
25/HK506x/*7*	Cone, with Dust Cap fitted	–/10
25/HK507/*200*	Driver, without LB405 Dust Cap	3/–
25/HK508/*4*	Sun Pinion	,, –/6
25/HK509/*8*	Dowel for Sun Pinion	doz. 1/–
25/HK510a/*8*	Pinion Pin	,, 1/–
25/HK511/*200*	Gear Ring	each 3/–
25/HK512/*200*	Gear Ring Pawl	doz. 3/–
25/HK513/*200*	Low Gear Pawl	,, 3/–
25/HK514/*8*	Clutch Spring	,, 1/–
25/HK515/*204*	Planet Cage	each 3/6
25/HK516/*8*	Right-hand Cone Locking Washer ..	doz. 1/–

No.		
25/HK517/*108*	Left-hand Ball Cup	each 2/6
25/HK518/*208*	Shell, 40 holes, for 13 G. spokes	,, 4/–
25/HK518a/*208*	Shell, 36 holes, for 13 G. spokes only ..	,, 4/–
25/HK518r/*208*	Shell, 40 holes, for 14 G. spokes	,, 4/–
25/HK519/*4*	Right-hand Axle Nut	–/6
25/HK520/*104*	Left-hand Axle Nut	doz. 2/–
25/HK521/*8*	Axle Lock Washer	,, 1/–
25/HK522/*8*	Clutch Spring Cap	,, 1/–
25/HK523/*8*	Cap for Axle Key	,, 1/–
25/HK657/*200*	Driver, without LB405 Dust Cap ..	each 3/–
25/HLB404/*8*	Cone Dust Cap	doz. 1/–
25/HLB405/*100*	Dust Cap for L.H. Ball Cup or Driver ..	,, 1/6
25/HS545/*8*	Lubricator	,, 1/–
25/HX42a/*8*	Left-hand Packing Washer ⅛" thick (omitted if Hub is required only 4⅛" wide overall)	,, 1/–
25/HK740z/*6*	Screwed Connection with K741 Spring	each –/6
25/HK742z/*9*	Indicator, 2⅞" long, with Chain and Connector Plate for K751, K501 and K651 Axles	,, 1/–
25/HK742az/*8*	Indicator, 2⅞" long, with Chain and Connector Plate for K501a and K651a Axles	,, 1/–
25/HK742bz/*8*	Indicator, 2⅞" long, with Chain and Connector Plate for K751a Axle	,, 1/–

For Prices of all other Parts, see same Interchangeable Part Nos. listed under Mark "K." For Prices of Control Parts, see pages 185, 187 and 188.



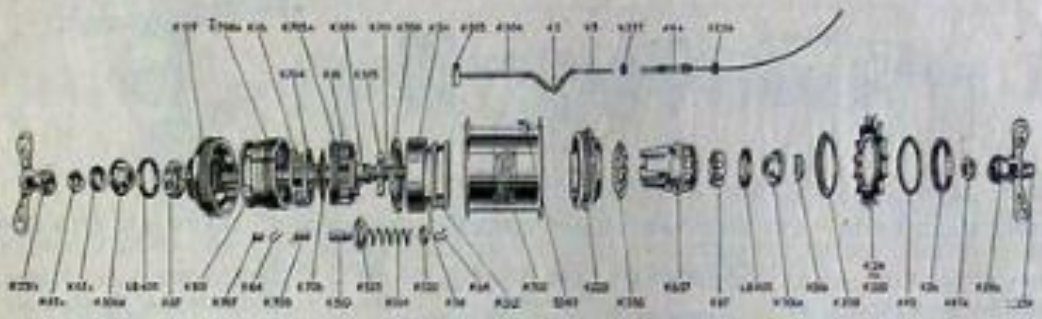
REPLACEMENT PARTS FOR "STURMEY-ARCHER" THREE-SPEED GEARS. MARK "AM" PATTERN

No.		
25/HK36	Lock Rings, see page 170.	
25/HK206/*104*	Pinion Pin	doz. 2/–
25/HK214 to 224	Sprockets, see page 169.	
25/HK651/*202*	Axle, 5¼" long	each 3/3
25/HK651a/*202*	Axle, 6¼" long	,, 3/3
25/HK652/*208*	Shell, 40 holes	,, 4/–

No.		
25/HK652a/*208*	Shell, 36 holes	each 4/–
25/HK653/*204*	Planet Cage	,, 3/6
25/HK657/*200*	Driver, without LB405 Dust Cap	3/–
25/HK658/*200*	Gear Ring	,, 3/–
25/HTF205/*100*	Planet Pinion	,, 1/6

For Prices of all other Parts, see same Interchangeable Part Nos. listed under Mark "K" and "KSW" Pattern. For Prices of Control Parts, see pages 185, 187 and 188.

HUB REPAIR PARTS—*continued*

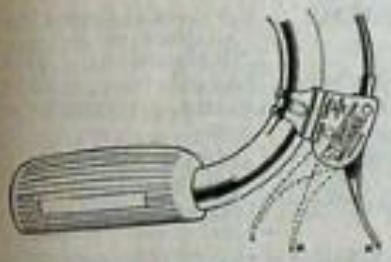


REPLACEMENT PARTS FOR "STURMEY-ARCHER" GEARS. MARK "AR" PATTERN

No.			No.		
25/HK214 to 220	Sprockets, see page 169.		25/HK704/*200*	Intermediate Planet Cage	each 3/–
25/HK701/*202*	Axle (Standard)	each 3/3	25/HK705/*8*	Intermediate Pinion Pin	doz. 1/–
25/HK701a/*202*	Axle (extra long)	„ 3/3	25/HK706/*4*	Spacing Shim (fitted between the two planet cages)	„ –/6
25/HK702a/*208*	Shell, 36 holes	„ 4/–	25/HK707/*8*	Low Gear Pawl Pin	„ 1/–
25/HK702r/*208*	Shell, 40 holes	„ 4/–	25/HK708a/*200*	Left-hand Gear Ring	each 3/–
25/HK703a/*108*	Planet Cage	„ 2/6	25/HK709/*2*	Cage Locking Ring	„ –/3

For Prices of all other Parts, see same interchangeable Part Nos. listed under Mark "K," "KS" and "KSW" Patterns.

For Prices of Control Parts, see pages 187 and 188.



"STURMEY-ARCHER" HANDLEBAR TRIGGER CONTROL

Complete with quick release connection. Suitable to use with Model "AM" and "AR," also for "AW" when fitted with quick release fittings.

No. 25/HK974/*304*	For Solo No. GA249z	each 5/–
25/HK975/*400*	For Tandem No. GA249az	„ 6/–

REPLACEMENT PARTS FOR ABOVE HANDLEBAR TRIGGER CONTROLS

No.			No.		
25/HGA249/*208*	Quadrant, complete with Fixing Screw and Nut and Cable Ferrule ..	each 4/–	25/HK735/*4*	Wire Nipple	doz. –/6
25/HK226/*8*	Wire Grip	doz. 1/–	25/HK735z/*102*	Inner and Outer Wires complete with nipples, Solo, 58" long	each 1/8
25/HK227/*8*	Lock Nut for Knurled Connection X4	„ 1/–	25/HK735az/*103*	Inner and Outer Wires complete with nipples, Tandem, 72½" long ..	„ 1/10
25/HK731/*4*	Rivets	„ –/6	25/HK735g/*6*	Inner Wires with Nipple for cycle ..	„ –/8
25/HK733a/*8*	Springs	„ 1/–	25/HK735h/*7*	„ „ „ for Tandem ..	„ –/10
25/HK734/*8*	Cable Ferrule	„ 1/–	25/HX82/*8*	Outer Cable, 20" long	„ 1/–

Prices of all other Parts, see same interchangeable Part Nos. listed under Top Tube Control Parts, pages 187 and 188.

"STURMEY-ARCHER" HUB REPLACEMENT PARTS DISPLAY AND STOCK CABINET

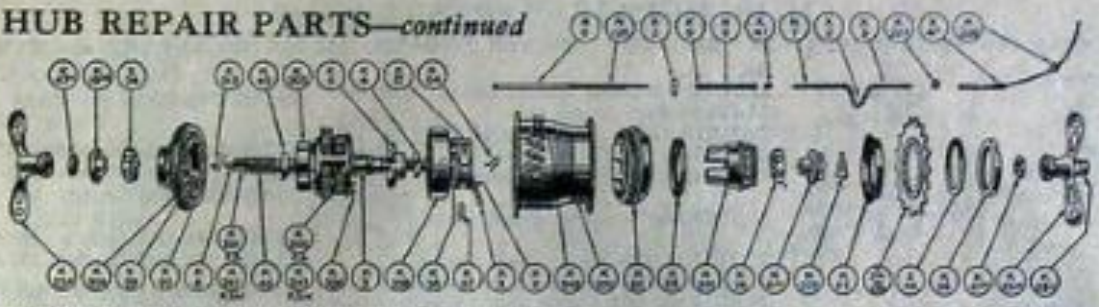
Containing good assortment of all popular selling spares. Cabinet made of plywood and polished, with divisions and hinged lid. This is a Cabinet every agent should have in his shop, as it enables him to keep his stock clean and always at hand.



No. 25/HKKC5/*10000* Per Cabinet complete £7 14 9

£7/14/9 represents the retail value of the parts; the Cabinet is given free.

HUB REPAIR PARTS—*continued*



REPLACEMENT PARTS FOR "STURMEY-ARCHER" CLOSE AND MEDIUM RATIO THREE-SPEED GEARS, MARK AM, AR, AW, KS AND KSW PATTERNS

No.		
25/HK11/*204*	Gear Ring	each 3/6
25/HK36/*3*	Sprocket Lock Nut	" -/4
25/HK201/*208*	Axle 6" with 15T. Pinion for KS	" 4/-
25/HK201a/*208*	Axle 6⅛" " " "	" 4/-
25/HK202/*208*	Hub Shell (40 holes)	" 4/-
25/HK202a/*208*	Hub Shell (36 holes)	" 4/-
25/HK203/*204*	Planet Cage for L.H. Ball Cup for KS	" 3/6
25/HK203z/*508*	Planet Cage with Pinions and Pins for KS	" 8/6
25/HK204/*204*	L.H. Ball Cup	" 3/6
25/HK204z/*210*	L.H. Ball Cup fitted with 2 Pawls X28, 2 Pawl Springs K213, and 2 Pawl Pins X92	" 4/3
25/HK205/*100*	Double Planet Pinion, 30T. & 15T. for KS	" 1/6
25/HK206/*104*	Pinion Pin	doz. 2/-
25/HK207/*208*	Driver, Screwed	each 4/-
25/HK208/	Gear Ring. Obsolete, withdrawn, replace by K11 above	
25/HK208z/*300*	Gear Ring, complete with Pawls	" 4/6
25/HK209/*100*	Sliding Clutch (same as K5)	" 1/6
25/HK213/*4*	Pawl Spring for L.H. Ball Cup K204	doz. -/6
25/HK225/*204*	Driver Splined	each 3/6
25/HK228/*108*	R.H. Ball Ring (to take Caged Ball Retainer K230, only used with 14 and 15T. Sprockets)	each 2/6
25/HK229/*104*	R.H. Dust Cap (only used for 14 and 15T. Sprockets)	doz. 2/-
25/HK230/*208*	Ball Retainer with 14 ¼ Balls, for K228	doz. 4/-
25/HK231z/*104*	Wing Nuts complete	per pair 2/-
25/HK234/*104*	Chain Guide for R.H. Wing Nut	doz. 2/-
25/HK238/*400*	Spanner for Sprocket	" 6/-
25/HK241/*208*	Axle 6" with 18T. Pinion for KSW	each 4/-
25/HK241a/*208*	Axle 6⅛" " " "	" 4/-
25/HK242/*100*	Planet Cage 27T. & 15T. for KSW	" 1/6
25/HK242z/*508*	" " complete for KSW with Pinion and Pins	" 8/6
25/HK351/*208*	Axle (KT) 6⅞" long	" 4/-
25/HK351a/*208*	Axle (KT) 6⅜" long	" 4/-

No.		
25/HK352z/*504*	Hub Shell 40 Holes	each 8/-
25/HK356z/*8*	L.H. Cone	" 1/-
25/HK357/*209*	Rear Brake Arm	doz. 4/-
25/HK358z/*400*	Brake Shoes	pair 6/-
25/HK359/*103*	Brake Linings	" 1/10
25/HK360/*8*	Spacing Washer	doz. 1/-
25/HK361/*209*	Driver (NCCH)	each 4/3
25/HK362/*4*	Cam Lever (KT)	" -/6
25/HK363/*2*	Lining Rivets (brass)	doz. -/3
25/HK365/*304*	Packing Piece for 1¼" or 1⅜" chain line	" 5/-
25/HK366/*104*	Serrated Washer	" 2/-

Axles for KS Pattern.

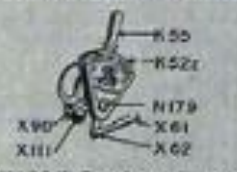
No.		
25/HKZ5/*408*	6" with Sleeve and Indicator	each 7/-
25/HKZ6/*408*	6⅛" " " "	" 7/-
25/HKZ11/*306*	6" with Sleeve less Indicator	" 5/3
25/HKZ12/*306*	6⅛" " " "	" 5/3

Axles for KSW Patterns.

No.		
25/HKZ13/*408*	6" with Sleeve and Indicator	each 7/-
25/HKZ14/*408*	6⅛" " " "	" 7/-
25/HKZ15/*306*	6" with Sleeve, less Indicator	" 5/3
25/HKZ16/*306*	6⅛" " " "	" 5/3
25/HKZ17/*305*	Axle 6⅞" K351 with Sleeve	" 5/3
25/HKZ18/*305*	Axle 6⅛" K351A with Sleeve	" 5/3
25/HKZ19/*408*	Axle 6⅞" K351 with Sleeve and Indicator	" 7/-
25/HKZ20/*408*	Axle 6⅛" K351A with Sleeve and Indicator	" 7/-
25/HLB318z/*808*	Spring Casing for Brazed-on Lug	doz. 7/-
25/HS493e/ 25/HS494/ *8* 25/HS499a/	R.H. Wing Nut, Chain Guide, Serrated Washer	complete each 1/-
25/HS493L/ 25/HS499a/ *8*	L.H. Wing Nut, Serrated Washer	" 1/-
25/HX48 or K214 to K222	Sprockets, Splined 14 to 22 T., see page 172.	

TOP TUBE CONTROL PARTS FOR "STURMEY-ARCHER" GEARS. Mark K, KB, KS, KSW and KT Pattern.

No.		
25/HK55z/*600*	Quadrant Lever	doz. 9/-
25/HK227/*8*	Screwed Connection Lock Nut Knurled	" 1/-
25/HN120/*8*	Quadrant Lever Spring	" 1/-
25/HN177/*600*	Quadrant Lever	" 9/-
25/HN179/*8*	" " Swivel	" 1/-
25/HX4/*208*	Knurled Connection Standard	" 4/-
25/HX4a/*208*	Ditto Quick Release, Slotted	" 4/-
25/HX35/*4*	Split Pin for N179	" -/6
25/HX61/*208*	Quadrant Connection	" 4/-
25/HX62/*4*	" " Pin	" -/6
25/HX78/*200*	Diagonal Pulley	" 3/-
25/HX79/*8*	" " Arm	" 1/-
25/HX80/*8*	Diagonal Pulley Arm Screw	" 1/-
25/HX90/*8*	Pulley and Quadrant Clip Bolt	" 1/-
25/HX105/*4*	Wire Nipple (Not Illustrated)	" -/6
25/HX109/*200*	Pulley Half Clip	" 3/-
25/HX110/*200*	" Clip	" 3/-
25/HX111/*104*	" " Nut, Plated	" 2/-
25/HX111a/*104*	Clip Screw Nut, Black	" 2/-



No. 25/HX120/*8* Quadrant Lever Spring (Not Illustrated) doz. 1/-

Top Tube Quadrant only, complete.

No. 25/HK150a/*108* ¾" (K52z) ea. 2/6
25/HK150b/*108* 1" (K52z) " 2/6
25/HK150c/*108* 1¼" (K52z) " 2/6

Top Tube Control, complete,
¾" × 54" long, Ladies (KC1).
No. 25/HK152L/*210* .. each 4/3
1" × 36" long, Gent.'s.
No. 25/HK152z/*208* .. .. each 4/-
1¼" × 58" long, Tandem.
No. 25/HK152t/*210* .. .. each 4/3

For Prices of all other Parts see same interchangeable Part Nos. listed under Mark "K" Pattern.

The illustrations indicate the correct way of assembling the "KS" and "KB" Hubs, and particular attention is drawn to the direction in which the Ball Cages face.

Cable, complete with Knurled Connection for K, KB and KT Pattern.
Black for Gent.'s 36" long (X81z).
No. 25/HX154c/*400* .. .. doz. 6/-
Black for Gent.'s Tandem, 58" long.
No. 25/HX154t/*504* .. .. doz. 8/-

Suitable for Mark KS and KSW Pattern. Top Tube Control, complete with Quick Release Knurled Connection.
1" for Gent.'s, 36" long.
No. 25/HK152a/*208* .. .. each 4/-
1¼" for Gent.'s Tandem, 58" long.
No. 25/HK152k/*210* .. .. each 4/3

Cable, complete with Quick Release Knurled Connection (Black).
For Gent.'s, 36" long.
No. 25/HX154a/*400* .. .. doz. 6/-
For Tandem, 58" long
No. 25/HX154k/*504* .. .. doz. 8/-

HUB REPAIR PARTS—*continued*

HANDLEBAR CONTROL PARTS FOR "STURMEY-ARCHER" GEARS. Mark K, KS, KSW, KB and KT Pattern.



No.
25/HX69/8 Handlebar Clip or Pulley Clip Bolt doz. 1/-
25/HX83/4 Ferrule for Outer Cable Ends (Not Illustrated) .. -/6
25/HX116z/400 Fulcrum Clip, complete, ¾" or 1" .. 6/-
25/HN233/200 Half Clip 3/-
25/HN234/600 Inner Sleeve 9/-

No.
25/HN235/600 Handlebar Lever doz. 9/-
25/HK50/600 Outer Cam 9/-
25/HK65/104 Cam Cap (Old X66) .. 2/-
25/HK66/8 Cable Stop 1/-
25/HK160/8 Pulley, complete (X78z) 1½" .. .. each 1/-
25/HK170a/8 Outer Cable, Black (X82) 1/-
25/HK170c/101 Inner and Outer Wires complete, Black, for Gent.'s .. 1/8
25/HK170d/103 Inner and Outer Wires complete, Black for Lady's (X82z) 1/10

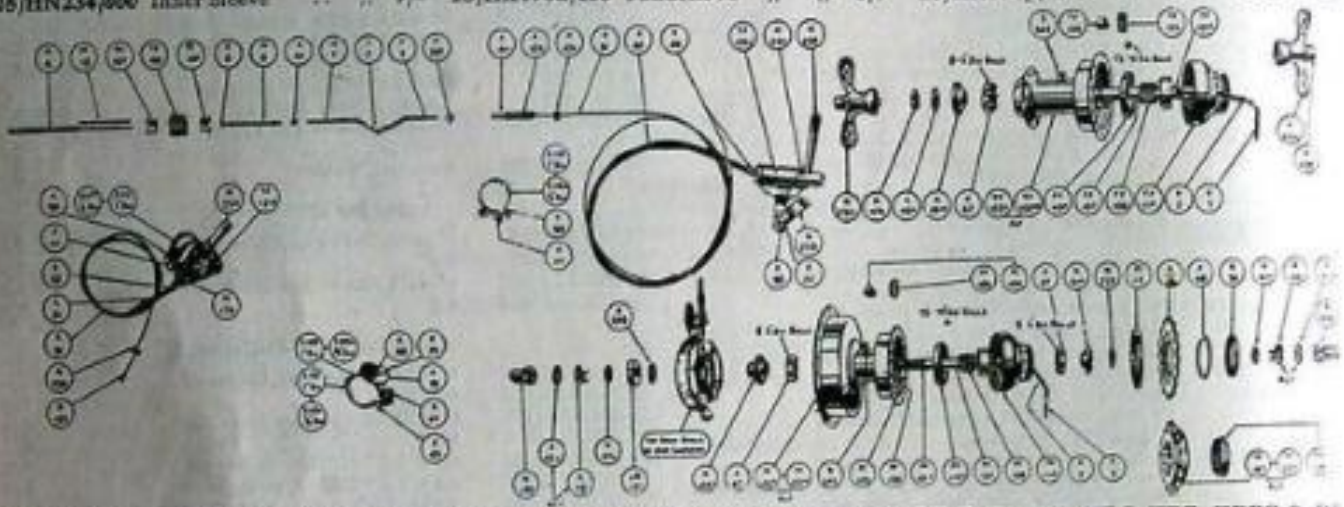
No. Handlebar Control Complete (KC2)
25/HK170b/400 Gent.'s 58" long each 6/-
25/HK170h/406 Lady's 78" 6/9
25/HK170k/406 Tandem 78" 6/9

No. Handlebar Control.
25/HK170p/200 Less Wires and Pulley (K50z) each 3/-

Inner Cable, complete with Knurled Connection. Black.
No.
25/HK174g/504 Gent.'s 58" long (X 81z) .. .. doz. 8/-
25/HK174h/608 Lady's 78" long .. 10/-
25/HK174k/608 Tandem 79" long .. 10/-

Inner Cable, complete with Quick Release Knurled Connection. Black.
No.
25/HK174a/10 Gent.'s 58" long each 1/3
25/HK174b/100 Lady's 78" 1/6
25/HK174c/100 Tandem 79" 1/6

Handlebar Control, complete with Quick Release Knurled Connection.
No.
25/HK174p/408 .. .. .. each 7/-



REPLACEMENT PARTS FOR "STURMEY-ARCHER" TWO-SPEED GEARS, MARK T, TF, TB, TBC, TBF, TBFC & H

No.
25/HCS108/4 Split Pin .. .. doz. -/6
25/HGD331z/100 Inner and Outer Wires complete with Adjuster for Front Hub .. .. .. each 1/6
25/HK44a/4 Spanner, T.F.B. for Cones and L.H. adjusting washer .. -/6
25/HK47/104 Lock Nut for cone .. doz. 2/-
25/HK105az/10 L.H. Cone with Dust Cap (T.F.B.) .. .. each 1/3
25/HK128/2 Inner wire 32" long for Front Hub .. .. -/4
25/HK128a/6 Inner Wire fitted with roller nipple for Lady's solo, 74" long .. .. -/7

No. Top Tube Control, complete.
25/HKC7/208 ¾" .. .. each 4/-
25/HKC7b/208 1" 4/-
25/HKC7c/208 1¼" 4/-

No. Handlebar Control, complete.
25/HKC8/400 Gent.'s 58" long .. each 6/-
25/HKC8c/406 Lady's 78" long 6/9
25/HKC8d/406 Tandem 78" long .. 6/9
25/HLB145/208 Brake Arm Clip for small oval tube, ⅝" × ⅜" diam. doz. 4/-

No.
25/HS93/108 Stop Screw Lock Nut doz. 1/-
25/HS433/8 Brake Rod Connection Nut 1/-
25/HS603/10 Brake Rod 14½" with Top Connection .. each 1/2
25/HS533a/104 Stud, Nut (S443) and Washer (P1056) doz. 2/-
25/HTF101az/300 Axle with Dog Sleeve (Tandem) 6½" long each 4/6
25/HTF101z/300 Ditto, 5½" long 4/6
25/HTF105/4 Planet Pinion .. .. -/6
25/HTF106/2 Planet Pinion Bush .. -/3
25/HTF107/208 Pinion Carrier .. doz. 4/-
25/HTF108/4 Sun Pinion .. .. each -/6
25/HTF110a/302 Driver .. | each 4/8
25/HTF111c/302 Inner Ball Race | each 4/8
Not supplied separately.
25/HTF112/2 Outer Dust Cap .. .. -/3
25/HTF113/104 Indicator Spring doz. 2/-

No. Top Tube Quadrant complete
25/HTF121z/108 ¾" .. .. each 2/6
25/HTF121zb/108 1" 2/6
25/HTF121zc/108 1¼" 2/6
25/HTF123/6 Outer Cam .. .. -/9
25/HFT124/6 Lockring for Free Wheel .. -/8

No.
25/HTF126z/102 Indicating Spindle complete, comprising: Indicator screw, coupling spindle, chain, screwed connection, lock nut, and indicator spring for TF101az .. each
25/HX78az/8 Pulley complete for ¾" ..
25/HX78z/8 .. .. .. 1" ..
25/HX78bz/8 .. .. .. 1¼" ..

Top Tube Wire and Connection.
No. Black.
25/HX81c/400 For Gent.'s cycle: up to 36" long .. .. doz.
25/HX81h/504 For Lady's cycle: up to 58" long .. .. ..
25/HX81k/504 For Tandem cycle: up to 59" long .. .. ..
25/HX81z/7 Inner Wire and Connection (Tandem and Lady's) up to 78" long .. ..
25/HX110n/2 Pulley Clip, 1¼" diam. ..
25/HX116az/4 Fulcrum Clip, ¾" diam. ..
25/HX116z/4 Fulcrum Clip, 1" diam. ..
25/HX116bz/4 Fulcrum Clip, 1¼" diam. ..

For Free Wheels for above, see page 12

REPLACEMENT PARTS FOR "STURMEY-ARCHER" TWO-SPEED CLOSE RATIO GEARS, MARK TC (not illustrated)

No.
25/HK55z/6 Quadrant Lever only .. each -/9
25/HK226/8 Wire Grip .. .. doz. 1/-
25/HK235/400 Spanner for Sprocket Lock Nut 6/-
25/HK366/104 Serrated Washer 2/-
25/HN189a/600 L.H. Stop 9/-
25/HTF123/600 Outer Cam 9/-

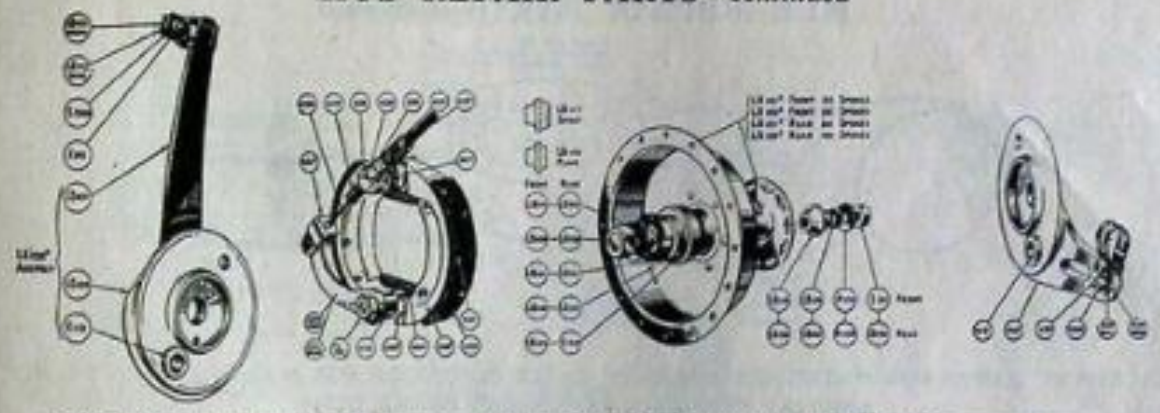
No.
25/HTF201/100 Sliding Clutch .. each 1/6
25/HTF203/204 Planet Cage 3/6
25/HTF203z/508 Planet Cage complete 8/6
25/HTF205/100 Planet Pinion 25T × 14T 1/6

No.
25/HTF207/204 Driver .. .. each
25/HTF208/204 Gear Ring 54T .. .

Handlebar Inner Wire and Outer Cable
No. complete, but less X4a Connection.
25/HX82az/102 Gent.'s with 58" wire ua. 1
25/HX82hz/106 Lady's with 78" wire .. 2

For Prices of all other parts see same Interchangeable Part Nos. listed under Mark "K" Pattern.

HUB REPAIR PARTS—*continued*



REPLACEMENT PARTS FOR "STURMEY-ARCHER" INTERNAL EXPANDING BRAKE HUBS

FOR FRONT, MARK BF AND BFT

No.		
25/HK111a/400	Brake Lever for K107	doz. 6/-
25/HK113/104	Brake Operating Bush for K107	,, 2/-
25/HK118/208	Cable Adjuster Guide and Bolt combined	,, 4/-
25/HK157z/108	Brake Arm	each 2/6
25/HK158/209	Brake Shoes complete with linings, per pair	4/3
25/HK162/4	Brake Operating Cam with K114 washer	each -/6
25/HK166/104	Brake Shoe Spring	doz. 2/-
25/HK167/200	Fulcrum Sleeve	,, 3/-
25/HK164/4	Washer for K167	,, -/6
25/HK168/104	Wire Guide Nut	,, 2/-
25/HK169/400	Cam Lever (cable control)	,, 6/-
25/HK171/200	Brake Wire Guide	,, 3/-
25/HK172/4	Locking Washer	,, -/6
25/HK173/104	Lining Rivets ¼" Long × $\frac{1}{10}$" dia.	gross 2/-
25/HLB101z/400	Hub Shell, 32 H., with Brake Drum	each 6/-
25/HLB102z/400	Hub Shell, 36 H., with Brake Drum	,, 6/-
25/HLB106z/200	Aluminium Brake Plate, riveted to Brake Torque Arm	,, 3/-
25/HLB109/304	Spindle 5" for 3½" wide Hub	doz. 5/-
25/HLB110/304	Spindle 4½" for 3 $\frac{1}{16}$" wide Hub	,, 5/-
25/HLB111/208	Brake Arm Clip (Sports) for Round	,, 4/-
25/HLB112/208	Brake Arm Clip (Standard) for Oval	,, 4/-
25/HLB113a/400	Brake Lever	,, 6/-
25/HLB114/104	Lock Nut for L.H. Cone, Flat $\frac{1}{16}$"	,, 2/-
25/HLB115/200	Brake Lock Nut with Spigot L.H.	,, 3/-
25/HLB116/208	R.H. Cone (Flat) for 3 $\frac{1}{16}$" wide Hub	,, 4/-
25/HLB117/208	R.H. Cone with Spigot for 3 $\frac{1}{16}$" wide Hub	,, 4/-
25/HLB118/304	L.H. Cone	,, 5/-
25/HLB119/104	Spacing Nut (Flat), to provide 3½" wide Hub	,, 2/-
25/HLB120/104	Spacing Nut with Spigot, to provide 3½" wide Hub	,, 2/-
25/HLB121/304	L.H. Cone Adjuster Washer	,, 5/-
25/HLB122/400	Cone Spanner	,, 6/-
25/HLB125/104	Dust Cap	,, 2/-
25/HLB126/208	Brake Arm Clip for "D" Forks	,, 4/-
25/HLB130/208	Brake Arm Clip for Duplex Forks	,, 4/-
25/HLB140/208	Brake Arm Clip for Taper Gauge Forks	,, 4/-
25/HLB141/104	Wing Nuts (Spiggotted) $\frac{1}{16}$"	pair 2/-
25/HLB142z/100	Wing Nuts $\frac{1}{16}$" Plain	,, 1/6
25/HLB149/400	Cam Lever Roller Type	doz. 6/-
25/HLB201/400	Spindle 5½" × ½" for Tandem	,, 6/-

FOR FRONT, MARK BF AND BFT

No.		
25/HLB202/304	L.H. Cone for ½"	doz. 5/-
25/HLB203/208	R.H. ,, ,, ,,	,, 4/-
25/HLB204/104	Spacing Nut for ½" Tandem	,, 2/-
25/HLB205/208	Brake Arm Clip for Tandem	,, 4/-
25/HLB214/400	Spindle 5½" × ½"	,, 6/-
25/HLB217z/208	Brake Plate and Torque Arm, BFT	each 4/-
25/HLB219/208	Brake Arm Clip for D Forks	doz. 4/-
25/HLB255/304	Distance Sleeve ⅝" long, BFT	,, 5/-
25/HLB501z/608	Shell, 40 holes, BFT (Tandem)	each 10/-
25/HLB502z/608	Shell, 36 holes, BFT (Tandem)	,, 10/-
25/HLB504/4	Spindle, 5 $\frac{1}{16}$" long, BFT, form 1937 (Tandem)	,, -/6
25/HP172/8	Axle Washer $\frac{1}{16}$" Front	doz. 1/-
25/HS25/104	Axle Nut $\frac{1}{16}$" Front	,, 2/-
25/HS600/104	Front Fork Fulcrum Bolt	,, 2/-

For Prices of all other parts see same interchangeable Part Nos. listed under **Mark KB.**

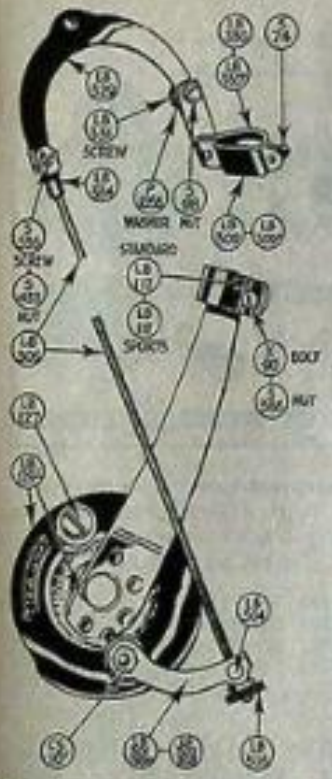
FOR REAR, MARK BR AND BRT

No.		
25/HK44a/400	Spanner	doz. 6/-
25/HLB147z/200	Brake Plate and Torque Arm Cable Control	each 3/-
25/HLB138z/200	Brake Plate and Torque Arm for Rod Control	,, 3/-
25/HLB151z/408	Hub Shell, 36 H., with Brake Drum	,, 7/-
25/HLB152z/408	Hub Shell, 40 H., with Brake Drum	,, 7/-
25/HLB155/8	Cone Lock Nut L.H. ½"	doz. 1/-
25/HLB156/400	Spindle, 5½" long ½"	,, 6/-
25/HLB156a/400	Spindle, 6½" long ½"	,, 6/-
25/HLB157/304	L.H. Cone	,, 5/-
25/HLB158a/208	R.H. Cone	,, 4/-
25/HLB161z/100	Wing Nuts for ½"	pair 1/6
25/HLB162/104	Axle Nut (CC18)	doz. 2/-
25/HLB164/400	Spindle 6 $\frac{1}{16}$" for Derailleur	,, 6/-
25/HLB165/304	Distance Sleeve for Derailleur	,, 6/-
25/HLB215z/504	R.H. Cone and Dust Cap, BRT	,, 8/-
25/HLB216z/608	L.H. ,, ,,	,, 10/-
25/HLB254a/408	Spindle 6½" × ½"	,, 7/-
25/HLB257/400	Cam Lever Roller Type	,, 6/-
25/HS419/104	Dust Cap	,, 2/-
25/HS598/104	Brake Link Swivel Bolt	,, 2/-

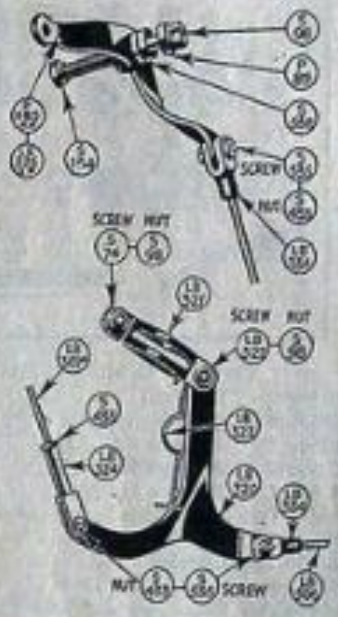
For Prices of all other parts see same interchangeable Part Nos. listed under **Mark K, KB, KS** and **BF**, Front Hub Parts.

For Prices of Control Parts see pages 190 and 191.

HUB REPAIR PARTS—*continued*







REPLACEMENT PARTS FOR "STURMEY-ARCHER" ROD CONTROLS FOR MARK KB, BF, BFT, BR AND BRT INTERNAL EXPANDING BRAKE HUBS

For Front Hub (Mark BF)

No.			
25/HLB127/200	Fulcrum Screw for Rod	doz.	3/-
25/HLB128/400	Cam Lever for Rod	,,	6/-
25/HLB129z/200	Brake Plate for Rod Control	each	3/-
25/HLB150/400	Cam Lever, Roller Type	doz.	6/-
25/HLB301/400	Cam Lever, Swivel Type	,,	6/-
25/HLB303/104	Rod Adjustable Nut	,,	2/-
25/HLB305/504	Brake Rod, 16½", and Connection	,,	8/-
25/HLB309/200	Front Fork Inner Clip (For "D" or Duplex) (P1221h)	,,	3/-
25/HLB309a/200	Front Fork Inner Clip (For Oval) (P1221)	,,	3/-
25/HLB324/400	Long Connection Joint (S602)	,,	6/-
25/HLB329/800	Front Brake Stirrup (P1222)	,,	9/-
25/HLB320/104	Front Fork Outer Clip (For "D" or Oval) (P840)	,,	2/-
25/HLB330a/104	Front Fork Outer Clip for (Humber) Duplex (P840h)	,,	2/-
25/HLB331/104	Front Fork Fulcrum Bolt	,,	2/-
25/HLB334/208	Front Brake Rod Connection (S557)	,,	4/-
25/HS35/8	Front Fork Clip Bolt (S74)	,,	1/-
25/HS98/8	Front Fork Fulcrum Bolt Nut or Bell Crank Nut	,,	1/-
25/HS433/8	Front Brake Rod Screw Nut	,,	1/-
25/HS525/8	Front Brake Rod Screw	,,	1/-

For Rear Hub (Mark BR).

No.			
25/HLB166/400	Cam Lever Roller Type for Rod or Cable	doz.	6/-
25/HLB256/400	Cam Lever Roller Type for Rod or C.C.R.	,,	6/-
25/HLB302/400	Cam Lever, Swivel Type	,,	6/-
25/HLB304/8	Swivel Pin for LB301/2	,,	1/-
25/HLB306/504	Bottom Rod with Swivel Connection, 20" (S599)	,,	8/-
25/HLB307a/904	Long Brake Rod, 20½", and two Connections	,,	14/-
25/HLB320/208	Bottom Bracket Brake Link (P1224)	,,	4/-
25/HLB321/104	Seat Tube Clip (P1223)	,,	2/-
25/HLB322/104	Brake Link Swivel Bolt	,,	2/-
25/HLB323/8	Brake Link Spring	,,	1/-
25/HLB325/200	L.H. Side Action Bell Crank (P1251)	,,	3/-
25/HLB326a/208	Bell Crank Fulcrum (P1249)	,,	4/-
25/HLB326c/1000	Bell Crank, Complete Clip on	,,	15/-
25/HLB327a/400	Bell Crank Clip (P1250)	,,	6/-
25/HLB328/8	Rivet for Bell Crank Fulcrum	,,	1/-
25/HLB332/104	Fulcrum Bolt (S583)	,,	2/-
25/HLB334/208	Rear Rod Connection	,,	4/-
25/HLB335/400	Cam Lever, Rod Type, for Steel Shoes	,,	6/-
25/HLB343z/608	Brake Tube 3" Long	,,	10/-
25/HP89/8	Bell Crank Washer	,,	1/-
25/HP1183/200	R.H. Side Action Bell Crank	,,	3/-
25/HS74/8	Seat Tube Clip Bolt	,,	1/-
25/HS98/8	Seat Tube Clip Bolt Nut	,,	1/-
25/HS154/200	Bell Crank Fulcrum Bolt	,,	3/-
25/HS433/8	Rear Rod Nut	,,	1/-
25/HS443/8	Fulcrum Bolt Nut	,,	1/-
25/HS533/104	Stud, Nut (S443) and Washer (P1056)	,,	2/-
25/HS535/8	Rear Rod Screw	,,	1/-
25/HS558/8	Bell Crank Bush	,,	1/-
25/HS603/1008	Brake Rod 14½" with Connection LB334 and Long Connection LB324	,,	14/-
25/HS604/504	Short Brake Rod, 16", and Connection S557	,,	8/-

HUB REPAIR PARTS—*continued*

REPLACEMENT PARTS FOR BRITISH HUB CO.'S CYCLBRAKE HUBS





For Solo Cyklbrake Hubs

No.		
25/H4050a/2	Rivet (S1)	doz. –/4
25/H4050b/9	Cable Stop Cup (S2)	,, 1/3
25/H4050c/1½	Adjuster Nut (S3)	each –/3
25/H4050d/3	Adjuster Screw (S4)	,, –/6
25/H4050e/1½	Fulcrum Pin (S5)	,, –/3
25/H4050f/3	Brake Shoe Spring (S6)	pair –/6
25/H4050g/7	Brake Cam (S7)	each 1/–
25/H4050h/1½	Cam Bush (S8)	,, –/3
25/H4050k/6	Cam Washer (S9)	doz. –/9
25/H4050l/9	Cam Lever and Yoke (S10)	each 1/2
25/H4050m/9	Felt Washer (S11)	doz. 1/3
25/H4050n/8	Steel Washer for Felt (S12)	,, –/9
25/H4050p/2	Hub Cup (S13)	each –/4
25/H4050r/1	Hub End Cap (S14)	,, –/2
25/H4050w/403	Hub Shell (S17)	,, 6/–
25/H4051a/9	Cable Ball Nipple (S19)	doz. 1/3
25/H4051b/8	Brake Lever Saddle Pin (S20)	,, 1/2
25/H4051e/9	Spring Band Locking Screw (S21)	,, 1/3
25/H4051d/3	Spring Band (S22)	each –/6
25/H4051e/10	Brake Lever Saddle (S23)	,, 1/4
25/H4051f/102	Spindle Collar (S24)	doz. 1/10
25/H4051g/10	Cone Lock Nut (S25)	,, 1/4
25/H4051h/10	Side Plate Lock Nut (S26)	,, 1/4
25/H4051k/10	Hub Spindle Nut (S27)	,, 1/4
25/H4051l/3	Adjusting Cone (S28)	each –/6
25/H4051m/3	Fixed Cone (S29)	,, –/6
25/H4051n/8	Hub Spindle (S30)	,, –/9
25/H4051p/1½	Anchor Clip (Round) (S31)	,, –/3
25/H4051r/1½	Anchorage Pin and Nut (S32)	,, –/3
25/H4051s/1½	Anchor Clip (D or Oval) (S33)	,, –/3
25/H4051t/208	Brake Side Plate (S34)	,, 4/–
25/H4053a/102	Handlebar Levers (Standard) Nickel Plated (S18)	,, 1/11
25/H4053b/102	Handlebar Levers (Standard) Black (S18)	,, 1/10
25/H4053c/103	Handlebar Levers (Standard) Chromium Plated (S18)	,, 1/11
25/H4053d/207	Handlebar Levers complete (Standard), Nickel Plated (S18)	,, 3/6
25/H4053f/204	Handlebar Levers complete (Standard), Black (S18)	,, 3/3
25/H4053e/207	Handlebar Levers complete (Standard), Chromium Plated (S18)	,, 3/6
25/H4053l/211	Handlebar Lever, complete No. 2, Nickel Plated (S18)	,, 4/–
25/H4053n/208	Handlebar Lever, complete No. 2, Black (S18)	,, 3/9
25/H4053m/211	Handlebar Lever, complete No. 2, Chromium Plated (S18)	,, 4/–









Combined Waterproof-covered Outer Cable, with Lever End Cup Nipple, Adjusting Screw and Nut, Inner Wire with Nipples soldered on each end, for Expanding Hub Brakes, ready for fitting.

No. 25/H4054a/103	For Front	each 1/10
25/H4054b/105	For Rear, Gent.'s	,, 2/–
25/H4054c/106	For Rear, Lady's	,, 2/3
25/H4054n/303	For Rear, Tandem, Cable-cum-Rod	,, 4/6

For Tandem Cyklbrake Hubs.

No.		
25/H4060a/3	Cotter Pin (C20)	doz. –
25/H4060b/2	Rivet (C21)	,, –
25/H4060c/6	Cable Nipple (C22)	,, –
25/H4060d/1½	Yoke Pin (C23)	each –
25/H4060e/1½	Knurled Adjusting Nut (C24)	,, –
25/H4060f/2	Yoke (Cable Control) (C25)	,, –
25/H4060g/2	Anchorage Pin and Nut (C26)	,, –
25/H4060h/4	Block for Adjusting Screw (C27)	,, –
25/H4060k/3	Adjuster Screw (C28)	,, –
25/H4060n/6	Hub End Washer (C31)	doz. –
25/H4060p/2	Hub Cup (C32)	each –
25/H4060r/403	Hub Shell (C33)	,, –
25/H4060s/6	Anchor Arm (C34)	,, –
25/H4060t/1½	Anchorage Clip (Round) (C35)	,, –
25/H4060w/1½	,, ,, (D) (C36)	,, –
25/H4061a/1½	Yoke (Rod Control) (C37)	,, –
25/H4061b/2	Fulcrum Pin (C38)	,, –
25/H4061c/3	Fulcrum Pin Washer (C39)	doz. –
25/H4061d/3	Brake Shoe Spring (C40)	pair –
25/H4061e/7	Brake Cam (C41)	each 1/–
25/H4061f/3	Brake Lever (C42)	,, –
25/H4061g/108	Brake Side Plate (C43)	,, 2/–
25/H4061h/7	Rod Control Nut (C44)	doz. –
25/H4061k/10	Cone Lock Nut (C45)	,, 1/–
25/H4061l/10	Spindle Nut (C46)	,, 1/–
25/H4061m/103	Spindle Collar (C47)	,, 2/–
25/H4061n/3	Adjust Cone (Chrome Steel) (C48)	each –
25/H4061p/3	Fixed Cone (Chrome Steel (C49)	,, –
25/H4061r/8	Hub Spindle (C50)	,, –
25/H4061t/106	Band Clip, for ½" Tube, screwed to take Spring Box for Cable-cum-Rod Brakes (A)	,, 2/–
25/H4061w/106	ditto for ⅝" Tube	,, 2/–
26/H4061x/6	Braze-on Lug, screwed as above (B)	,, –

For Brake Shoes and Liners see page 196.

HUB REPAIR PARTS—*continued*

TWO-SPEED REPLACEMENT PARTS

No.				
25/HD1/2	Fixed Shaft Nut	..	each	-/3
25/HD2/2	Lock Nut	..	..	-/3
25/HD3/110	Fixed Shaft	..	..	2/5
25/HD4/208	Sliding Shell	..	..	3/6
25/HD5/1	Peg for ditto	..	..	-/2
25/HD6/11	Tension Arm	..	..	1/3
25/HD7/1	Washers	..	pair	-/2
25/HD8/9	Inside Race	..	each	1/-
25/HD9/9	Outside Race	..	..	1/-
25/HD10/201	Jockey Sprocket	..	..	2/9
25/HD12/2	Tension Sprocket Nut	..		-/3
25/HD13/4	Cone for ditto	..	..	-/6
25/HD14/11	Tension Cog, 10T	..	..	1/3
25/HD14a/110	Tension Cog, complete, 10 T	..	..	2/6
25/HD15/6	Tension Cog Spindle	..	..	-/8
25/HD17/9	Tension spring complete	..	..	1/-
25/HD18/9	Steel Strap	..	per doz.	1/-
25/HD19/9	Steel Bolt and Nut for ditto	..	..	1/-
25/HD20a/208	Control Lever (parts 20–26) complete for 2- or 3-Speed	..	each	3/6
25/HD20b/208	Ditto Braze-on	..	..	3/6
25/HD21/3	Centre Rivet	..	..	-/4
25/HD23a/4	Collar and Pin (parts 23 and 24)	..	..	-/6
25/HD26/106	Braze-on Eye for Tension Spring	..	per doz.	2/-
25/HD30a/2	Patent Solderless Nipple	..	each	-/3

Cables or Transmissions. Waterproof.

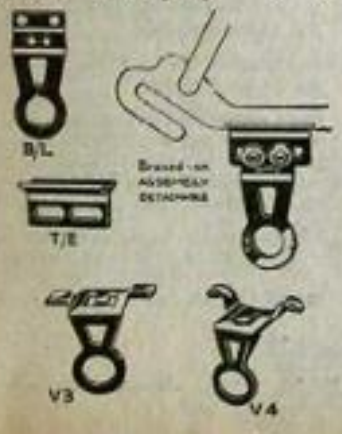
25/HD30f/110	For Cycles (30–37)		each	2/9
25/HD30k/206	For Tandem (30–37)		..	3/9
25/HD30L/304	Lady Back Tandem (30–37)	..	..	5/-

Inner Wires with No. 30 Nipple.

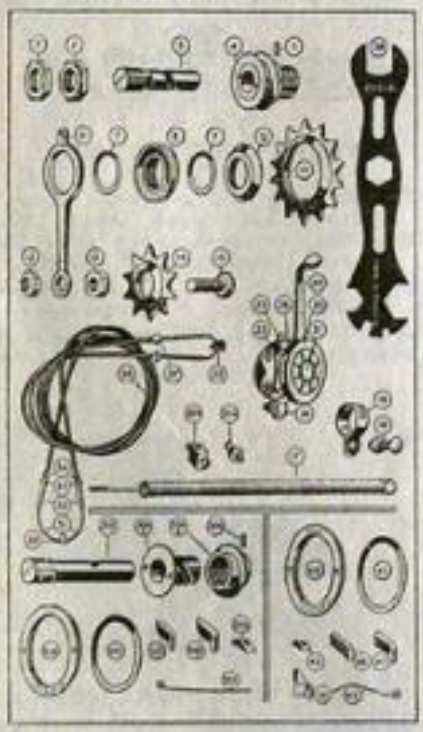
25/HD31a/8	For Cycles	..	each	-/10
25/HD31d/8	For Tandems	..	..	-/10
25/HD31e/9	Lady Back Tandem		..	1/-
25/HD32/2	Nipple Connecting Joint	..	..	-/3
25/HD32a/4	Patent Solderless Joint		..	-/5

FREE WHEEL SPARES

25/HD40/110	Free Wheel Body	..	each	2/5
25/HD41/208	F.W. Outside, 16, 17 or 18 T. × ⅛"	..	..	3/7
25/HD42/4½	Pawl Springs	..	per doz.	-/6
25/HD43/106	Pawls, Half Moon Pattern	..	..	2/-
25/HD45/4½	Packing Washers	..	..	-/6
25/HD46/8	Locking Plate	..	each	-/11
25/HD47/106	Pawls, Ratchet patt.		doz.	2/-
25/HD48/106	.. .. ..		..	2/-
25/HD49c/106	.. .. ..		..	2/-
25/HD52c/106	.. .. ..		..	2/-
25/HD50/4½	Pawl Springs	..	..	-/6



"CYCLO" DERAILLEUR





No. 40 and 350.

No. 41 and 351.

For Free Wheels see Page 124.
For Sprockets see Page 173.

"CYCLO" RECONDITIONED CABLES OR TRANSMISSIONS

No.	Waterproof covered.			
25/HD30p/104	For Cycle	..	each	2/-
25/HD30r/104	For Tandem	..	..	2/-

We have now made arrangements with the Cycle Gear Co. whereby we can exchange from stock broken or worn cables for reconditioned Cable Units at the above prices.

When ordering please state which pattern and size is required.

We advise the use of the Braze-on Attachment wherever practicable. This should not disfigure the machine, even when done to an existing frame. This makes for rigidity unobtainable with any bolt-on attachment.

THREE-SPEED REPLACEMENT PARTS

These are identical with Two-Speed Parts, with the following exceptions :—

No.				
25/HD303d/110	Fixed Shaft	..	each	2/5
25/HD303a/106	Peg for ditto	..	per doz.	2/-
25/HD304a/110	Sliding Shell	..	each	2/6
25/HD304b/106	Sliding Ring	..	..	2/-
25/HD305/1½	Peg for ditto	..	..	-/2
25/HD350/110	F.W. Centre	..	..	2/5
25/HD351/300	F.W. Outside, 18, 19, 20, 21, 22, 23, 24, 25, 26, or 28 T. × ⅛"	..	each	4/-
25/HD352/4½	Pawl Springs	..	per doz.	-/6
25/HD355/4½	Packing Washers	..	..	-/6
25/HD356/8	Locking Plate	..	each	-/11

CHAIN STAY CLIPS FOR "CYCLO"

25/HD80/111	Round, ⅜"	..	each	2/6
25/HD81/111	.. ½"	..	..	2/6
25/HD86/111	Oval, ⅜"	..	..	2/6
25/HD87/111	.. ½"	..	..	2/6
25/HD89/111	.. 1¼"	..	..	2/6
25/HD92/111	"D" Roadster, 1¼"		..	2/6
25/HD93/111	Universal Type	..	..	2/6
25/HD95/9	Brazed-on, for 2- or 3-Speed, V3	..	..	1/-
25/HD96/111	Brazed-on for Four-Speed, V4	..	..	2/6
25/HD97/111	Brazed-on Type, Adjustable, LB and TE	..	..	2/6
25/HD100/4½	Cycle Spanner (38)		..	-/6

"CYCLO" FOUR-SPEED SPARES

These are identical with Three-Speed Parts, with the following exceptions :—

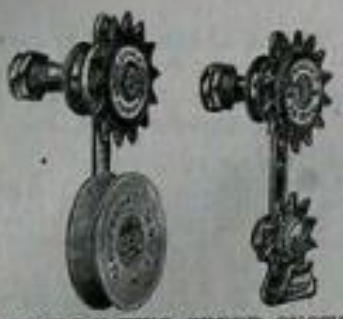
No.				
25/HD403/103	Fixed Shaft	..	each	1/8
25/HD404/406	Sliding Shell and Ring	..	..	6/-
25/HD405/200	Peg for ditto	..	doz.	2/6
25/HD420/208	Control Lever complete, including parts Nos. 420 to 427	..	each	3/6
25/HD438/210	Transmission complete, with inner wire	..	..	3/9
25/HD449/108	Fourth Gear Sprocket 25, 26, 28 teeth. left Hand	..	..	2/3
25/HD451b/309	Free Wheel with Third Gear Sprocket only, 20, 21 or 22 teeth	..	..	5/-







HUB REPAIR PARTS—*continued*



"CYCLO" TWO-SPEED SYSTEM
Sprocket Type.
No. 25/HD200a/*706* Steel .. each 10/–
25/HD200d/*1001* Duralium .. 13/6
Pulley Type.
No. 25/HD200g/*900* Steel .. each 12/–
25/HD200L/*1107* Duralium .. 15/6

"CYCLO" THREE-SPEED SYSTEMS
Sprocket Type.
No. 25/HD201a/*900* Steel .. each 12/–
25/HD201d/*1107* Duralium .. 15/6
Pulley Type.
No. 25/HD201g/*1006* Steel .. each 14/–
25/HD201L/*1301* Duralium .. 17/6

CYCLO "ROSA" CHAIN GUARD
For fitting to system to prevent chain coming off during change over of gearing. As fitted on illustration above.
No. 25/HD155/*3* .. .. .. each –/4



"FERODO" HUB BRAKE LININGS
Complete in Sets of Two with Rivets for Internal Expanding Brake Hubs. Front and Rear. Boxed.

For Cyklbrake Super Solo, M35.
No. per set
25/H6520b/*102* Size 3½" × ⅜" × 1/16" 1/11
For Cyklbrake Solo or Solite, M25.
25/H6520c/*100* Size 3" × ⅜" × 1/16" 1/8
For Cyklbrake Tandem or Tricycle, M26.
25/H6520d/*104* Size 4½" × ½" × ⅛" 2/1
For Cyklbrake Super Tandem, N21.
25/H6520e/*105* Size 4½" × ½" × ⅛" 2/4
For B.S.A. Solo, M21.
25/H6520g/*102* Size 3" × ½" × 3/16" 1/11
For Enfield Solo, N23.
25/H6520L/*102* Size 4½" × 3/16" × ½" 1/11
For Perry Solo Mark 1 and 2, M30.
25/H6520r/*102* Size 2½" × ½" × 3/16" 1/11
For Perry Tandem, M23.
25/H6520t/*104* Size 3⅜" × ½" × 3/16" 2/1
For Sturmey-Archer Solo, M33.
25/H6520w/*102* Size 3⅛" × ½" × 1/16" 1/11
For Sturmey-Archer Tandem, M36.
25/H6520x/*104* Size 3⅜" × ½" × 1/16" 2/1
For Trivelox, N34.
Solo or Tandem.
25/H6520z/*109* Size 4½" × ½" × ⅜" 2/10



"ROSA" CONTROL LEVER SAFETY CLIP
Specially made for use with "Cyclo" Derailleur Chain Speed Gear. Black Enamelled. Adjustable to fit 1" or 1¼" Top Tube. Packed on cards of ½ dozen.
No. 25/HD150/*4½* .. .. each –/6
25/HD150/*203* per card —
A useful little gadget to prevent the lever being interfered with while the machine is left unattended.



"FIBRAX" HUB BRAKE LININGS
Complete in Sets of Two with Rivets for Internal Expanding Brake Hubs. Front or Rear. Boxed.

FLEXIBLE LININGS
No. **For Blumfield Solo No. FCL/11.**
25/H6500b/*10* Size 3½" × ½" × 3/16" per set 1/4
For Cyklbrake Solo No. FCL/112.
25/H6500c/*8* Size 3" × ⅜" × 1/16" per set 1/–
For Cyklbrake Tandem No. FCL/113.
25/H6500d/*10* Size 4½" × ½" × ½" per set 1/4
For Perry Tandem or BW Solo No. FCL/110.
25/H6500p/*10* Size 3½" × ½" × 3/16" per set 1/4
For Perry Solo or Hercules No. FCL/118.
25/H6500r/*8* Size 2½" × ½" × ⅜" per set 1/–
For Sturmey-Archer, Raleigh, New Hudson, or Cycle Solos No. FCL/115.
25/H6500t/*9* Size 3½" × ½" × 3/16" per set 1/2

DIEPRESSED LININGS
No. **For Blumfield or Trivelox Solo No. PCL/11.**
25/H6510b/*100* Size 3½" × ½" × 1/16" per set 1/8
For Cyklbrake Solo No. PCL/12.
25/H6510c/*11* Size 3" × ⅜" × 1/16" per set 1/6
For Cyklbrake Tandem No. PCL/13.
25/H6510d/*102* Size 4½" × ½" × ½" per set 1/10
For Cyklbrake Super Tandem No. PCL/27.
25/H6510e/*103* Size 4½" × ½" × ½" per set 2/–
For Perry Tandem or B.W. Solo No. PCL/10.
25/H6510p/*102* Size 3½" × ½" × 3/16" per set 1/10
For Perry Solo or Hercules No. PCL/18.
25/H6510r/*100* Size 2½" × ½" × 3/16" per set 1/8
For Sturmey-Archer, Raleigh, New Hudson or Cyclo Solos No. PCL/15.
25/H6510t/*102* Size 3½" × ½" × 3/16" per set 1/10
For Sturmey-Archer Tandem No. PCL/26.
25/H6510x/*103* Size 4" × ½" × 3/16" per set 2/–
For Trivelox or Blumfield Tandem No. PCL/25
25/H6510z/*106* Size 4½" × ½" × ⅜" per set 2/6

"CYCLO" TWIST GRIPS



Specially suitable for use with "Cyclo" Derailleur Gears.
Comprising: Twist Grip, Dummy to match and Transmission.
No. 25/HD160a/*409* For Cycle each 6/3
For Tandem, Two Seats.
No. 25/HD160L/*501* .. .. each 6/9
For Tandem, Lady Back.
No. 25/HD160m/*508* .. .. each 7/6

TWIST GRIP FITTING INSTRUCTIONS
Drill a 3/16" hole on the centre line of the outside of the handlebar, slide over the twist grip sleeve, and insert pin, screwing nut from the inside of the tube. The head of the pin acting as a stop at each extreme end of the slot. To slip the rubber grip easily over the extra thickness smear the sleeve with grease. The transmission is fitted according to the usual Cyclo fitting instructions.
NOTE.—When ordering please state size of frame, solo or tandem.



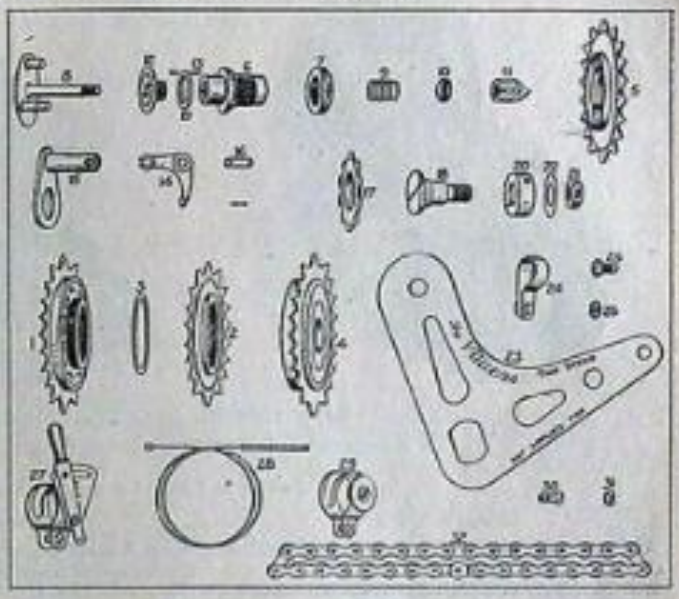
"CYCLO" TENSION PULLEY
No. 25/HD200p/*304* .. each 4/6



"FERODO" HUB BRAKE SHOES
Fitted with Ferodo Brake Linings and complete with Springs.
For Super Solo 3½" dia. (BH1).
No. 25/H6530b/*304* .. pair 5/–
For Solo or Solite, 3" dia. (BH101).
No. 25/H6530c/*211* .. pair 4/8
For Cyklbrake Tandem, 3½" dia., all years, Tandem Rear Hubs, 1932 and prior, and Transport Tricycle Rear Hubs all years (BH102).
No. 25/H6530d/*304* .. pair 5/–
For Cyklbrake Super, Tandem Rear Hubs, 4" dia., 1933 and onwards (BH103).
No. 25/H6530e/*308* .. pair 5/6

HUB REPAIR PARTS—*continued*





"WITMY" TWO-SPEED GEAR CLOSE-RATIO REPLACEMENT PARTS

No.			
25/HW1/*102*	Screwed Outer Sleeve	each	1/6
25/HW2/*5*	Sleeve Locking Nuts	,,	-/6
25/HW3/*106*	Sliding Inner Sleeve	,,	2/-
25/HW4/*106*	Square Nut	doz.	2/-
25/HW5/*5*	Screwed Bush	each	-/6
25/HW6/*7*	Tension Spring	,,	-/10
25/HW7/*11*	Jockey Cog Connecting Plate	,,	1/3
25/HW8/*205*	Back Jockey Sprocket and Bearing	,,	3/3
25/HW9/*106*	Split Brass Nipple Sleeve	doz.	2/-
25/HW10/*201*	Front Jockey Sprocket and Bearing with Nut	each	2/9
25/HW11/*2*	Serrated Spindle Nuts	,,	-/3
25/HW12/*102*	Spindle and Gear Bracket Plate	,,	1/6
25/HW13/*102*	Lever Outer Cam and Half Clip (old pattern)	,,	1/6
25/HW14/*9*	Control Lever (old pattern)	,,	1/-
25/HW15/*3*	Control Lever Nipple	,,	-/4
25/HW16/*106*	Control Lever Half Clip (old pattern)	doz.	2/-
25/HW17/*9*	Control Lever Bolt and Nut (old pattern)	,,	1/-
25/HW18/*108*	Waterproof Cable complete, for Cycle	each	2/3
25/HW18a/*205*	Ditto, for Tandem	,,	3/3
25/HW19/*9*	Cable Clips for Back Stay	doz.	1/-
25/HW20/*5*	Spanner	each	-/6
25/HW21/*106*	Wing Nut for Stay Clip Bolt	doz.	2/-
25/HW22/*106*	Stay Clip	,,	2/-
25/HW23/*9*	Bolt for Stay Clip	,,	1/-
25/HW24/*9*	Screw	,,	1/-
25/HW27/*9*	Split Pin	,,	1/-
25/HW28/*106*	Shouldered Pin	,,	2/-
25/HW29/*11*	Quadrant Plate and Clip	each	1/3
25/HW29a/*108*	Top Tube Quadrant complete	,,	2/3
25/HW30/*9*	Shackle and Lever Rivet	doz.	1/-
25/HW31/*106*	Shackle for Lever	,,	2/-
25/HW32/*106*	Quadrant Lever Spring	,,	2/-
25/HW33/*6*	Quadrant Lever only	each	-/8

Tubular Control Lever and Clip now Obsolete. Replaced by above Quadrant Type.

"VILLIERS" TWO-SPEED GEAR REPLACEMENT PARTS.

No.			
25/HV1/*208*	Free Wheel on Hub	each	3/6
25/HV2/*102*	Fixed Sprocket on Hub	,,	1/6
25/HV3/*9*	Distance Ring	doz.	1/-
25/HV4/*300*	Countershaft Free Wheel	each	4/-
25/HV5/*106*	Countershaft Fixed Sprocket	,,	2/-
25/HV6/*102*	Countershaft Axle	,,	1/6
25/HV7/*203*	Countershaft Axle Nut	doz.	3/-
25/HV8/*108*	Operating Plunger	each	2/-
25/HV9/*9*	Operating Plunger Spring	doz.	1/-
25/HV10/*5*	Operating Plunger Spring and Thrust Washer	,,	1/-
25/HV11/*3*	Operating Plunger Domed Nut	each	-/4
25/HV12/*3*	Retaining Flange for Rollers	,,	-/4
25/HV13/*3*	Rollers	doz.	-/4
25/HV14/*6*	Bell Crank Lever	each	-/8
25/HV15/*9*	Bell Crank Pillar and Plate	,,	1/-
25/HV16/*9*	Hinge Pin	doz.	1/-
25/HV17/*9*	Jockey Sprocket	each	1/-
25/HV18/*9*	Jockey Sprocket Pin	,,	1/-
25/HV19/*9*	Spacing Washer	doz.	1/-
25/HV20/*3*	Wide distance piece	each	-/4
25/HV21/*9*	Nut for Jockey Sprocket Pin	doz.	1/-
25/HV22/*9*	Adjustment Washer	,,	1/-
25/HV23/*108*	Main Plate	each	2/-
25/HV24/*3*	Chain Stay Clip with Bolt and Nut	,,	-/4
25/HV25/*9*	Chain Stay Clip Bolt	doz.	1/-
25/HV26/*9*	Chain Stay Clip Nut	,,	1/-
25/HV27/*102*	Top Tube Control Quadrant complete with Bolt and Nut	each	1/6
25/HV28/*9*	Cable complete	,,	1/-
25/HV29/*9*	Cable Pulley and Clip complete with Bolt	each	1/-
25/HV30/*9*	Bolts for Clips	doz.	1/-
25/HV31/*9*	Nuts for Clip Bolts	,,	1/-
25/HV32/*9*	Top Gear Chain	each	1/-

"Trivelox" popular spare parts stocked, others to special order in a few days.

LAMPS (DYNAMO ELECTRIC)







"BEMO" NEW MODEL CYCLE DYNAMO ELECTRIC LIGHTING SETS. (British Made.)

Black Enamelled and Chromium Plated finish, Dynamo body all Chromium Plated, Bracket and Neck Black Enamelled.
With Rear Lamp incorporated in 6-volt, 0-3 amp. Dynamo complete.

Model No. 450.

With Torpedo-shaped Head Lamp, Black with Chromium Plated Rim and Switch for Main and Pilot Bulbs, complete with Pocket-type Battery and Cables.

No. **25/L44d/806** .. .. per set **15/9**

Model No. 456.

With Round-shaped Black Head Lamp with Chromium Plated Rim, Main Bulb, Pocket-type Battery and Cables.

No. **25/L45d/806** .. .. per set **12/9**

Model No. 460.

Shallow Torpedo non-Battery type Head Lamp with Chromium Plated Rim, Main Bulb and Cables.

No. **25/L47g/708** .. .. per set **11/6**



"ARCLYTE" CYCLE DYNAMO ELECTRIC LIGHTING SETS

British made.

Complete with 6 volt Dynamo, Head Lamp Black Enamelled with Chromium Plated Rim and Main Bulb, Rear Lamp, Cables, Bulbs, and stand-by pocket Battery. Each set packed in a carton.

Bracket Clip to suit "D" Front Fork or Back Stay.

No. **25/L40a/806** .. .. per set **12/9**

Bracket Clips to suit Round Stays.

No. **25/L40b/806** .. .. per set **12/9**

For Dynamos only, see pages 231 to 233.



"BELMAC" CYCLE DYNAMO ELECTRIC LIGHTING SETS

Swiss made.

Lightweight set with miniature Dynamo and Head Lamp combined, for Front Fork fittings. Complete with Bulb (less Rear Lamp). Chromium Plated finish with Black Enamelled parts.

No. **25/L42/1203** .. .. per set **17/9**





"CHALLENGE" SPORTS CYCLE DYNAMO ELECTRIC LIGHTING SET

(British with Foreign Head Lamp.)

Front and Rear Lamp Sets, Dipping Type. Complete with Bulbs and 6 volt, 0-3 amp. Dynamo.

Torpedo Shallow Head Lamp, Ebony and Chromium Plated (non-Battery type). Bracket fitting.

No. **25/L64g/903** .. .. per set **12/9**

"BLUEMEL'S" FEATHERWEIGHT BAKELITE HEAD LAMP ONLY

(Without Bulb.)

No. **25/L53t/304** Black .. each **5/-**
25/L53w/304 White **5/-**

Supplied less Bulb for use with Bluemel's or any other Dynamo.

Rear Lamp only, less Bulb.

No. **25/L52m/102** .. .. each **1/9**

LAMPS (DYNAMO ELECTRIC)—*continued*



"LUCIFER" NEW MODEL CYCLE DYNAMO ELECTRIC LIGHTING SETS. (Swiss.)

Complete with Chromium Plated Dynamo, Cables and Bulbs.

With Shallow Chromium Plated non-Battery Type Head Lamp.

Standard Twelve (12 pole).

Front and Rear Lamp Set.

No. 25/L96a/*1809* .. .. per set 25/-

Front Lamp Set, less Rear.

No. 25/L96d/*1610* .. .. per set 22/6

Standard Baby Set.

Front and Rear Lamp Set.

No. 25/L99a/*1708* .. .. per set 23/6

Front Lamp Set, less Rear.

No. 25/L99d/*1509* .. .. per set 21/-

Chromium Front Head Lamp, with Bulb and Cable only.

No. 25/L96h/*610* .. .. each 7/9

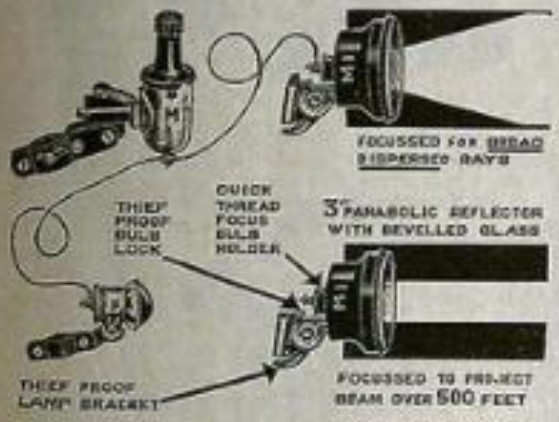
Rear Lamp with Bulb and Cable.

Stay Fitting.

No. 25/L96m/*203* .. .. each 3/-

Belt on Mudguard Fitting with Sidelights.

No. 25/L96p/*203* .. .. each 3/-



"MANDAW" CYCLE DYNAMO ELECTRIC LIGHTING SETS (Foreign). Model M1.

Black and Chromium Plated Head Lamp, 3" dia., with Bevelled Edge Glass and Special Reflector. 6 volt Anti-Dazzle Bulb, with rustless Thief-proof Holder and Bracket. Focus Action which can be adjusted to produce a concentrated beam of light for a very long distance or a widespread light for a shorter distance.

Front and Rear Lamps, complete with Bulbs, Cables and 6 volt Chromium Plated Dynamo.

No. 25/L100a/*304* .. .. per set 14/-

25/L100h/*304* Head Lamp only with Bulb .. each 5/-

Battery Model (Pocket Type) Head Lamps.

Complete with Battery.

Argus Twelve (12 pole).

Front and Rear Lamp Set.

With Black and Chromium Plated Head Lamp.

No. 25/L98a/*1911* .. .. each 26/6

Front Lamp Set, less Rear.

No. 25/L98d/*1800* .. .. per set 24/-

Argus Baby Sets.

Front and Rear Lamp Set.

No. 25/L99g/*1809* .. .. per set 25/-

Front Lamp Set, less Rear.

No. 25/L99m/*1611* .. .. per set 22/6

Front Head Lamp with Battery, Bulb and Cable.

No. 25/L98h/*702* .. .. each 9/6

Sirius Twelve (12 pole).

Front and Rear Lamp Set.

With all Chromium Plated Head Lamp.

No. 25/L98g/*2003* .. .. per set 27/-

Front Lamp Set less Rear.

No. 25/L98k/*1805* .. .. per set 24/6

Sirius Baby Sets.

Front and Rear Lamp Set.

No. 25/L99r/*1901* .. .. per set 25/6

Front Lamp Set, less Rear.

No. 25/L99w/*1703* .. .. per set 23/-

Front Head Lamp with Battery, Bulb and Cable.

No. 25/L98L/*706* .. .. each 10/-

For "BRAVO" and "LUCAS" DYNAMO MUD SHIELDS
See pages 233 and 234.

LAMPS (DRY BATTERY)—*continued*



MANDAW. REAR LAMP. No. 123.B.

PATENT. No. 429400.

"MANDAW" ELECTRIC CYCLE REAR LAMP No. 123B. British made.

Complete with No. 533B Unit Cell Battery, U2 type, special low consumption bulb and fitted with universal clip for "D." Round or Oval back stays.

Red non-breakable reflector, cone shape, to reflect light to both rear and sides.

Black with Plated Mounts.

No. 25/L270p/8 .. .. each 1/-



BLUEMEL'S "DUALITE" COMBINED ELECTRIC REAR LAMP

Fitted with approved Prismatic Reflecting Glass. Complete Battery and Bulb with clip to fit on top back stays.

Model No. 1.
With Ever-Ready No. 1839 Battery.

No. 25/L284b/204 Black .. each 3/6
25/L284c/204 Ivory White .. 3/6

Model No. 2.
With Ever-Ready No. U2 Battery.

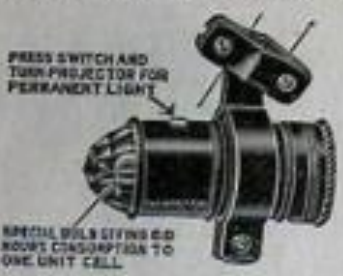
No. 25/L284t/204½ Ivory White each 3/6½



"EVER-READY" (No. 2439)

Black Enamelled with Chromium Plated mounts, switch to give dim and bright light, green side lights and adjustable fixed bracket. Complete with No. 800 Battery and Bulb.

No. 25/L301L/408 .. .. each 7/-



"WARNU" ELECTRIC CYCLE LAMP (No. 888b)

Complete with U2 type Battery No. 533b and special Bulb giving 60 hours' light, fitted with universal clip for "D" Round or Oval stays, patent design red faceted glass, shaped to reflect red light both to rear and side.

British made.

Patent applied for. Regd. No. 791557.

Ivory White finish with Black Band Clip.

No. 25/L270w/100 .. .. each 1/6
25/L270x/100 Black finish .. 1/6



EVER-READY "LONGLIFE"

Plain flat glass 2¼", height 3¼", with handle, complete with No. 800 Dry Battery and Bulb. Fitted with spare bulb holder only in lid.

Ebony and Nickel No. 2036.

No. 25/L300a/102 .. .. each 1/9

All Chromium Plated (2436).

No. 25/L300cp/304 .. .. each 5/-

All White Enamelled (2036).

No. 25/L300w/108 .. .. each 2/6

Carton No. 1, one each of Maroon, Turquoise Blue, Olive Green.

No. 25/L300b/500 .. per carton 7/6

Carton No. 2, one each of Light Blue, Dark Red, Grass Green.

No. 25/L300c/500 .. per carton 7/6

"EVER-READY" ELECTRIC CYCLE LAMP (No. 2236)

Black Enamelled fitted with Octagonal Chromium Plated Rim.

Complete with No. 800 Battery and Bulb.

No. 25/L300k/208 .. .. each 4/-



MANDAW. No. 127. B

"MANDAW" TWIN CELL ELECTRIC CYCLE LAMP (No. 127b)

Black with Plated Mounts, Screw-down Switch, Spring-on Front and Fixed Bracket. Complete with Twin cell Battery and 2·5 volt. Bulb. British made.

No. 25/L271c/100 .. .. each 1/6
25/L271c/1106 per doz. —
25/L271c/1100 Gross lots .. —



THE "CYGLOW" CYCLONE ELECTRIC CYCLE REAR LAMP (C810)

Black Enamelled on brass, complete with [illegible] type Unit Cell Battery and special low consumption Bulb with clip to fit "D" Round or Oval stays or lamp can be bolted through mudguard.

Fitted with special extended ruby faceted glass, shaped to reflect red light both to rear and side.

No. 25/L295w/100 .. .. each 1/6

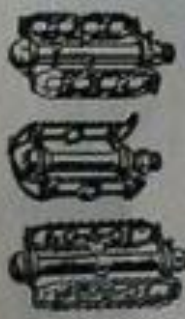


PEDALS

CONTINENTAL RACING RAT TRAP PEDALS

Solid Centres with Hollowed Spindles at Crank end.

Made and Designed by the World Famous "Pierre Lyotard," the largest Racing and Light-weight Pedal Manufacturer. The Lightest and Finest for Workmanship, Quality and Finish in Continental make.



"Tour de France" (No. 15B).
Chromium Plated on forged steel, 3½" wide. Weight 7½ oz.
No. 25/P26b/*501* .. .. per pair 6/9

"Quill Pattern" (No. 45CA).
Duralium and Chromium Plated Steel with slots for straps. Weight 5 oz.
No. 25/P26f/*609* .. .. per pair 9/–

"Racing Pedals" No. 240.
Duralium 4" wide. Weight 5½ oz.
No. 25/P26r/*706* .. .. per pair 10/–

"Faucheux" (No. 15S).
Chromium Plated on forged steel, 3½" wide. Weight 6½ oz.
No. 25/P26d/*508* .. .. per pair 7/6

"Quill Pattern" (No. 45 Ter).
Duralium Track Pedal. Weight 4½" oz. The lightest pedal as used in Tour de France.
No. 25/P26h/*1103* .. .. per pair 15/–

"Racing Pedals" (No. 460).
Duralium 3½" wide. Weight 5½ oz.
No. 25/P26t/*609* .. .. per pair 9/–



CONTINENTAL RACING PEDALS. (Foreign.)

Special design with plate for toe clip and slots for strap fixing.
Solid centre.
Width to suit shoes from 3" to 4".

Plated Steel.
No. 25/P26z/*500* .. .. per pair 6/9



These Pedals are extensively used by all the best Continental riders, for Tour de France Road and Track Races.

"B.S.A.," "CHATER LEA" AND "SIMPLEX"



"SIMPLEX" SOLID CENTRE DURALUMIN RACING RAT TRAP PEDALS

Foreign.

Hollowed spindle at crank end with two centre struts. 3½" wide, polished.
No. 25/P25/*702* .. .. per pair 9/6



"B.S.A." RAT TRAP PEDALS
Solid Centre.

To suit "Williams" Cranks

Chromium Plated.
No. 25/P29/*405* .. .. per pair 5/9



"B.S.A." RAT TRAP
Chromium Plated.

No. 25/P32f/*1007*	3½"	per pair	11/–
25/P32g/*1007*	3¾"	..	11/–
25/P32h/*1007*	3½"	..	11/–
25/P32k/*1007*	4"	..	11/–
25/P32L/*1109*	4¼"	..	13/–

All Black.

No. 25/P33f/*1007*	3½"	per pair	11/–
25/P33g/*1007*	3¾"	..	11/–
25/P33h/*1007*	3½"	..	11/–
25/P33k/*1007*	4"	..	11/–



"B.S.A." SINGLE RUBBER
Nickel Plated.

No. 25/P36f/*1007*	3½"	per pair	14/–
25/P36g/*1007*	3¾"	..	14/–
25/P36h/*1007*	3½"	..	14/–
25/P36k/*1007*	4"	..	14/–



"B.S.A." RACING RAT TRAP PEDALS

Suitable for "Williams" or other make Cranks.

Chromium Plated.
No. 25/P28b/*408* .. .. per pair 6/3



"CHATER-LEA" RACING RAT TRAP PEDALS

Spindles with hole for tommybar fitting.
Chromium Plated.
No. 25/P89c/*905* .. .. per pair 12/–

PEDALS—*continued*

"BRAMPTON"



"SUPERBE" SOLID CENTRE RACING RAT TRAP. 3¼" wide.

Chromium Plated. No. 580.

No. 25/P49/*507*½ .. per pair 7/6



UNIVERSAL RAT TRAP

4" wide.

Chromium Plated. No. 22.

No. 25/P53t/*106*½ .. .. per pair 2/1



UNIVERSAL JUVENILE RUBBER PLATED. 3" wide.

Chromium Plated. No. 12.

No. 25/P55/*108*½ .. .. per pair 2/4



Nos. 10, 11, 13 and 14

UNIVERSAL SINGLE RUBBER

Chromium Plated.

3½" wide. No. 11.

No. per pair
25/P58b/*110*½ .. 2/6

4" wide. No. 10.

No. per pair
25/P58d/*110*½ .. 2/6

4½" wide. No. 13.

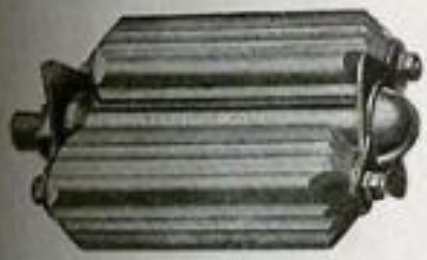
No. per pair
25/P58e/*201* .. 2/10

4½" wide. No. 14.

No. per pair
25/P58f/*201* .. 2/10



No. 600



No. 610

TRADESMAN'S CARRIER

No. 600.

4½" wide. All Black.

No. per pair
25/P58w/*209* .. 3/8



Nos. 555 to 558



UNIVERSAL RACING RAT TRAP

No. 20.

Chromium Plated.

No. 25/P64b/*109* .. per pair 2/4

G.P.O. PATTERN

4½" wide. Dull Black. No. 610.

No. 25/P58x/*502* .. per pair 6/11

SUPERBE SINGLE RUBBER

Chromium Plated.

No. 25/P56k/*201*	4".	No. 555	pair	2/10
25/P56L/*203*	4½".	No. 557	..	3/–
25/P56m/*203*	4½".	No. 558	..	3/–

All Black.

No. 25/P57k/*111*½	4".	No. 555	pair	2/8
25/P57L/*201*½	4½".	No. 557	..	2/10
25/P57m/*201*½	4½".	No. 558	..	2/10



UNIVERSAL RACING RAT TRAP

No. 23.

Chromium Plated.

No. 25/P64L/*109*½ .. per pair 2/5

PEDALS—*continued*

PHILLIPS



"ANGLO" RACING RAT TRAP
Chromium Plated.

No. 25/P210/*204* .. per pair 3/2
25/P210/*2706* doz. pairs —



"CELTONIA" RUBBER RAT TRAP. 4" wide.
Chromium Plated.

No. 25/P222b/*206*½ .. per pair 3/-
Sets of Rubbers, Plates and Nuts and Bolts complete for above.
No. 25/P432/*100* .. .. per set 1/4



"CELTONIA" RACING RAT TRAP
Nickel Plated.

No. 25/P228/*107* .. per pair 2/2
25/P228/*1806* doz. pairs —

Chromium Plated.

No. 25/P229/*108*½ .. per pair 2/4
25/P229/*2000* doz. pairs —



"PHILLIPS" PATENT RUBBER
Complete with Ball Bearing Spindles.

No. 25/P250g/*205* Lady's 3½" pair 3/3
25/P250k/*205* Gent.'s 4" .. 3/3
25/P250L/*205* .. 4½" .. 3/3

Replacement Rubbers for same.

No. 25/P431g/*101* Lady's 3½" pair 1/6
25/P431k/*101* Gent.'s 4" .. 1/6
25/P431L/*101* .. 4½" .. 1/6



"ANGLO" SINGLE RUBBER
Nickel Plated.

No. 25/P215k/*201* 4" per pair 2/10
25/P215k/*2406* doz. pairs —
Chromium Plated.
No. 25/P216k/*202*½ 4" per pair 3/-
25/P216k/*2830* doz. pairs —



"APOLLO" RACING RAT TRAP
Chromium Plated.

No. 25/P222m/*108*½ per pair 2/4
25/P222m/*2000* doz. pairs —



"PHILCO" DIAMOND RUBBER
Nickel Plated.

No. 25/P245g/*107* 3½" per pair 2/2
25/P245g/*1806* doz. pairs —
25/P245k/*107* 4" per pair 2/2
25/P245k/*1806* doz. pairs —
25/P245L/*110*½ 4½" per pair 2/6
25/P245L/*2200* doz. pairs —
25/P245m/*110*½ 4½" per pair 2/6
25/P245m/*2200* doz. pairs —

Chromium Plated.

No. 25/P246g/*108*½ 3½" per pair 2/4
25/P246g/*2000* doz. pairs —
25/P246k/*108*½ 4" per pair 2/4
25/P246k/*2000* doz. pairs —
25/P246L/*200* 4½" per pair 2/8
25/P246m/*200* 4½" .. 2/8

All Black.

No. 25/P247g/*107* 3½" per pair 2/2
25/P247g/*1806* doz. pairs —
25/P247k/*107* 4" per pair 2/2
25/P247k/*1806* doz. pairs —
25/P247L/*110*½ 4½" per pair 2/6
25/P247L/*2200* doz. pairs —
25/P247m/*110*½ 4½" per pair 2/6
25/P247m/*2200* doz. pairs —



"ANGLO" LEATHER BLOCK
4½" wide with 1" Blocks.
Nickel.

No. 25/P218m/*309* .. per pair 5/-
25/P218m/*4400* doz. pairs —



"CELTONIA" RAT TRAP
Nickel Plated. 4" wide.

No. 25/P225k/*104*½ .. per pair 1/10
25/P225k/*1600* doz. pairs —
Chromium Plated. 4" wide.
No. 25/P226k/*106* .. per pair 2/-
25/P226k/*1706* doz. pairs —



"CELTONIA" SINGLE RUBBER
Nickel Plated.

No. 25/P235g/*108* 3½" per pair 2/3
25/P235g/*1906* doz. pairs —
25/P235k/*108* 4" per pair 2/3
25/P235k/*1906* doz. pairs —

Chromium Plated.

No. 25/P236g/*109*½ 3½" per pair 2/5
25/P236g/*2100* doz. pairs —
25/P236k/*109*½ 4" per pair 2/5
25/P236k/*2100* doz. pairs —

All Black.

No. 25/P237k/*108* 4" per pair 2/3
25/P237k/*1906* doz. pairs —



"GRANDE VITESSE" RACING RAT TRAP
Chromium Plated.

No. 25/P232/*202*½ .. .. per pair 3/-

SADDLES

"REBO" AND "VINDEC"



"REBO" ROADSTER
With Extended Front Coil Spring and Six-wire Bracket.
Enamelled. Size 11" × 6½".
No. 25/S52g/*509* .. .. each 8/–
25/S52g/*6800* per doz. —



"VINDEC" GENT.'S LIGHT ROADSTER
With Four-wire Enamelled Springs.
Size 10" × 8".
No. 25/S58e/*304* .. .. each 5/–
25/S58e/*3906* per doz. —



"VINDEC" LADY'S LIGHT ROADSTER
With Four-wire Enamelled Springs.
Size 10" × 8".
No. 25/S58g/*304* .. .. each 5/–
25/S58g/*3506* per doz. —



"VINDEC"
CARRIER OR BOX TRICYCLE
Best Waterproof Leather Top.
Specially made for hard wear. With Girder Bracket, Heavy Gauge Barrel Type Coil Springs.
Size 10½" × 8½". Enamelled Springs.
No. 25/S61c/*406* .. .. each 6/6



"VINDEC" LIGHT ROADSTER
With Enamelled Coil Springs.
Size 10" × 8".
Gent.'s.
No. 25/S61e/*309* .. .. each 5/6
25/S61e/*4400* per doz. —
Lady's.
No. 25/S61g/*309* .. .. each 5/6
25/S61g/*4400* per doz. —



"VINDEC" RACING SADDLE
Superior Quality.
With Four-wire Enamelled Springs.
Size 11½" × 7".
No. 25/S61h/*308* .. .. each 4/–
25/S61h/*4300* per doz. —
With Two-wire Enamelled Springs.
Size 11" × 7".
No. 25/S61r/*308* .. .. each 3/–
Narrow Size 11" × 6".
No. 25/S61t/*308* .. .. each 3/–



"VINDEC" JUNIOR FOUR WIRE
With Enamelled Spring and ⅜" Clip.
Size 8½" × 7½".
No. 25/S62a/*204* .. .. each 3/6
25/S62a/*2700* per doz. —



"VINDEC" JUNIOR SADDLE
With Enamelled Coil Springs.
Size 9" × 6½". With ⅜" Clips.
No. 25/S62d/*205* .. .. each 3/6
25/S62d/*2800* per doz. —
Size 8½" × 6½". With ⅜" Clips.
No. 25/S62g/*203* .. .. each 3/3
25/S62g/*2600* per doz. —



"VINDEC"
SPRING SEAT SADDLES
Racing Model. British Made.
Size 11" × 7". Weight 2 lb.
Black Leather Cloth Tops.
Black Enamelled Flat Girder Base Frame.
No. 25/S65d/*306* Gent.'s .. each 3/–
With Single Round Wire Base Frame.
No. 25/S65h/*306* Gent.'s .. each 3/–
25/S65k/*306* Lady's 3/–
Genuine Brown Flexible Leather Tops.
Black Enamelled.
With Single Round Wire Base Frame.
No. 25/S67h/*509* Gent.'s .. each 8/–



"VINDEC" MIDGET SADDLES
With Enamelled Springs.
Size 8½" × 6½".
With Clip to fit ⅜" dia. pillar.
No. 25/S62L/*107* .. .. each 2/3
25/S62L/*1806* per doz. —
With Clip to fit ½" dia. pillar.
No. 25/S62m/*107* .. .. each 2/3
25/S62m/*1806* per doz. —



RACING CYCLE SADDLE SUPPORTS
With clip to fit on top tube and loop to fit over Saddle Tension Bolt. Right- and left-hand adjusting screws with centre hole for tightening.
Principally used for road and track racing.
No. 25/S420/*100* .. .. each 1/6

SADDLES—*continued*

"BROOKS"



"BROOKS" B17CH GENT.'S
Solid butt. Hide tops. Enamelled.
Standard Size 11"×6½"×2½".
Weight 1 lb. 12 oz.
No. 25/S125c/*1010* .. each 15/3
Narrow, Gent.'s. Size 11"×6"×2½".
Weight 1 lb. 9 oz.
No. 25/S125d/*1010* .. each 15/3
Sprinter, Gent.'s. Size 11"×4½"×2½".
Weight 1 lb. 8 oz.
No. 25/S125e/*1010* .. each 15/3



"BROOKS" B18 GENT.'S
Solid butt. Hide top.
Size 10½"×8½"×2½". Enamelled.
Weight 1 lb. 11 oz.
No. 25/S126a/*711* .. .. each 11/–



"BROOKS" CHAMPION NARROW ROAD RACING
Solid butt. Hide top. Enamelled.
Size 12½" × 6" × 2½".
Weight 1 lb. 14 oz. B19.
No. 25/S127a/*1306* .. each 19/–
Size 11"×6"×2½". Weight 1 lb. 8 oz. B15.
No. 25/S124/*811* .. .. each 12/6



"BROOKS" MODEL B22 RACING GENT.'S
Two-wire Base Frame. Enamelled.
Size 10½" × 6" × 2½". Weight 1 lb. 7 oz.
No. 25/S128m/*400* .. .. each 6/–



"BROOKS" B17 CHAMPION FLYWEIGHT FLYER SADDLES
With spring steel Two-wire Base Frame. Black Enamelled.
Solid Butt Hide Top, trimmed close to frame. Chamfered flaps.
Size 11" × 5½" × 2½". Weight 1 lb. 2 oz.
No. 25/S125k/*1203* .. .. each 16/9

"BROOKS" B17 CHAMPION FLYWEIGHT NARROW SADDLES
With spring steel Two-wire Base Frame. Black Enamelled.
Solid Butt Hide Top with Chamfered Flaps.
Size 11" × 6" × 2½". Weight 1 lb. 3 oz.
No. 25/S125m/*1202* .. each 16/9



"BROOKS" B18L LADIES' SADDLES
Sold Butt Hide Top.
Size 9½" × 8½" × 2". Enamelled.
Weight 1 lb. 10 oz.
No. 25/S126h/*711* .. each 11/–



Three-coil Base Frame. Enamelled.
"BROOKS" MODEL B21 GENT.'S
Size 10½" × 8½" × 3½". Weight 2 lb. 2 oz.
No. 25/S128g/*400* .. .. each 6/–

"BROOKS" MODEL B2
Weight 2 lb. 2 oz.
Size 10½"×8½"×3½".
No. 25/S136c/*404* Gent.'s. each 6/6
Size 9½"×8½"×3½".
No. 25/S136d/*404* Lady's each 6/6

"BROOKS" B73 GENT.'S SADDLE
Selected Butt Hide Top with Three-coil Enamel Springs.
Size 10½" × 8½" × 3½".
Weight 2 lb. 6 oz.
No. 25/S129c/*804* .. .. each 12/6



"BROOKS" B17 CHAMPION SWALLOW
Solid butt. Hide top. Side flaps cut-away Two-wire base frame.
Size 11½"×6"×3". Weight 1 lb. 9 oz.
No. 25/S125n/*1406* .. .. each 20/–
The side flaps being cut-away and stitched prevent spreading and eliminate thigh friction.



"BROOKS" B18CH GENT.'S
Solid butt. Hide top.
Size 11"×6½"×2". Enamelled
Weight 1 lb. 10 oz.
No. 25/S126f/*1006* .. .. each 11/6



Four-wire Base Frame. Enamelled
"BROOKS" MODEL B29 GENT.'S
Size 10½" × 8½" × 2". Weight 1 lb.
No. 25/S128d/*400* .. .. each 6/–

"BROOKS" MODEL B3
Weight 1 lb. 9 oz.
Gent.'s. Size 10½"×8½"×2".
No. 25/S136e/*404* .. .. each 6/6



Four-wire Base Frame with Simplex Front Coil Spring. Enamelled
"BROOKS" MODEL B23 GENT.'S
Size 12" × 8½" × 3½". Weight 2 lb.
No. 25/S129r/*404* .. .. each 8/6

"BROOKS" MODEL B6 GENT.'S
Size 10½"×8½"×3½". Weight 2 lb. 6 oz.
No. 25/S136a/*609* .. .. each 7/6

SADDLE COVERS—*continued.* SADDLE SUPPORTS



THE "RESILION" SADDLE COVER
New Standard pattern and rubber sponge fitting.
Gent.'s Model No. A3.
Size 10" × 8" to 11" × 8½". Weight 7½ oz.
25/S393a/609 For B10 .. each 9/-
Gent.'s Model No. A5.
Size 11½" × 9". Weight 9 oz.
25/S395a/609 For B90/2 .. each 9/-

We carry stocks of all sizes listed, other sizes or patterns can be obtained to special order in a few days.



"ROSA" CYCLE SADDLE SUPPORTS

With clip to fit on top tube and loop to fit over Saddle Tension Bolt.

Fitted with eye bolt to allow for saddle weight.

Chromium Plated.

...support being fitted with a tube and rod ...h eye bolt fastening similar to that used on ...kwork, allows for a saddle height adjustment from 6½" to 10" fully extended.

25/S421/102 .. .. .. each 1/9



GENT.'S SEAT LUG
Malleable Casting.
With Bolt and Nut.
Best Quality. Parallel.
1½" × 1".
25/S451c/6 .. .. .. each –/9
25/S451c/506 per doz. —

Best Quality. Sloping.
1½" × 1".
25/S452c/6 .. .. .. each –/9

"B.S.A." Genuine.
Pattern A/P or B.
Malleable Casting.
With Plated Bolt and Nut.
1½" × 1".
25/S456a/106 .. .. .. each 1/11



"BROOKS" SADDLE UNDERGUARD
(Provisional Patent)

Can be quickly fitted under saddle top and held in position by back plate and tension pin. Specially suitable for Racing Cyclists without mudguard in wet weather to protect saddle.

To fit Champion Standard Saddles.
No. 25/S440a/400 .. .. per doz. 6/-

To fit Champion Narrow Saddles.
No. 25/S440b/400 .. .. per doz. 6/-

To fit Champion Flyer Saddles.
No. 25/S440c/400 .. .. per doz. 6/-

SEAT LUGS



LADY'S SEAT LUG
Malleable Casting.
With Bolt and Nut.

No. 25/S462d/6	⅞"	.. ..	each –/9
25/S462d/503			per doz. —
25/S462e/6	1"	.. ..	each –/9
25/S462e/503			per doz. —
25/S462f/6	1⅛"	.. ..	each –/9
25/S462f/503			per doz. —



"BRAMPTON"
Malleable Casting.
With Bolt and Nut (850036)
⅞" Spigoted ⅞".
No. 25/S476a/9 .. .. .. each 1/-



THE "CUSH-TEX" SPONGE RUBBER REVERSIBLE WATERPROOF SADDLE COVER
Imitation Suède material with Sponge Rubber.
To suit ordinary standard size saddles.
No. 25/S391a/104 .. .. each 2/-



RACING CYCLE SADDLE SUPPORTS

With clip to fit on top tube and loop to fit over Saddle Tension Bolt. Right- and left-hand adjusting screws with centre hole for tightening.

Principally used for road and track racing.

On Display Cards of 6.
Chromium Plated.
No. 25/S420/100 .. .. each 1/6



Standard. Upright.

RIGID SEAT LUGS, MALLEABLE CASTING WITH BOLT AND NUT
For Granby Frames.
Size 1⅛" × 1⅛" × 66°
For standard angle.
Plain.
No. 25/S470c/107 .. .. each 2/2
Size 1⅛" × 1" × 71° for upright.
Plain.
No. 25/S471c/107 .. each 2/2
Fish-tailed.
No. 25/S471d/108 .. each 2/3

SEAT LUGS—*continued*



"BRAMPTON"
Malleable Casting.
With Bolt and Nut.
1⅛" × 1" × 68° Parallel (850003).
Spigoted ⅜". Plain.
No. 25/S475k/*11* .. each 1/3
25/S475k/*1009* per doz. —
Fish-tailed.
No. 25/S475m/*100* .. each 1/4
25/S475m/*1109* doz. —

1⅛" × 1" × 70° Parallel.
For Upright Seat Tube.
Spigoted ⅜". (850007) Plain.
No. 25/S475t/*100* .. each 1/5
Fish-tailed.
No. 25/S475n/*101* .. each 1/6

"B.B.L." Malleable Casting.
With Bolt and Nut.
1⅛" × 1" × 73° Parallel.
For Upright Seat Tube.
Spigoted ⅜". Plain.
No. 25/S475p/*11* .. each 1/4
Fish-tailed.
No. 25/S475r/*100* .. each 1/5



"CHATER LEA"
FRONT TANDEM SEAT LUG
For Two Gent.'s. 1⅛" × 1⅛".
With Chromium Plated Bolt and Nut.
For No. 12B and 14 Sets. 66°.
(No. 1431). Plain.
No. 25/S494a/*203* .. each 2/11
Cut-away.
No. 25/S494d/*295* .. each 3/2

For No. 90 and 92 Sets. 71°.
(No. 1579).
Plain.
No. 25/S494f/*202* .. each 2/11
Cut-away.
No. 25/S494g/*204* .. each 3/2



"BRAMPTON"
FRONT TANDEM SEAT LUG
Malleable Casting.
With Bolt and Nut.
For Two Gent.'s (850600).
1⅛" × 1⅛" × 1⅛". Plain.
No. 25/S480a/*102* .. each 1/7
Fish-tailed.
No. 25/S480b/*104* .. each 1/9



"BRAMPTON"
FRONT TANDEM SEAT LUG
Malleable Casting.
With Bolt and Nut.
For Lady Back (850602).
1⅛" × 1⅛" × 1⅛" × 68 × 64½°.
Plain.
No. 25/S480L/*102* .. each 1/7
Fish-tailed.
No. 25/S480m/*104* .. each 1/9

For
SEAT LUG EYES or EARS
see page 121.



"BRAMPTON"
REAR TANDEM GENT.'S SEAT LUG
Malleable Casting.
With Bolt and Nut (850601).
1⅛" × 1⅛" × 68°. Plain.
No. 25/S480d/*101* .. each 1/5
Fish-tailed.
No. 25/S480e/*102* .. each 1/7



"B.S.A." GENUINE
Malleable Casting.
With Bolt and Nut.
1⅛" × 1" × 65½° Parallel.
(No. L169).
Spigoted ⅜". Plain.
No. 25/S484c/*106* .. each 1/11



"CHATER LEA"
LADY'S RIGID SEAT LUG
Without Loose Stay Eyes. With Chromium Plated Bolt and Nut.
For Single or Tandem Sets.
1⅛" (No. 682-2). Plain.
No. 25/S492c/*103* .. each 1/8



"BRAMPTON"
REAR TANDEM LADY'S SEAT LUG
Malleable Casting.
With Bolt and Nut (850603).
1⅛". Plain.
No. 25/S480m/*11* .. each 1/2



"CHATER LEA"
GENT.'S RIGID SEAT LUG
Without Loose Stay Eyes. With Chromium Plated Bolt and Nut.
For Cycle.
1⅛" × 1" × 68° (No. 682-1).
Plain.
No. 25/S490e/*105* .. each 1/10
Cut-away.
No. 25/S490g/*106* .. each 1/11

For Upright Cycle.
1⅛" × 1" × 73° (No. 1562).
Plain.
No. 25/S490h/*105* .. each 1/10
Cut-away.
No. 25/S490k/*106* .. each 1/11

Tandem.
1⅛" × 1⅛" (No. 909).
For No. 12B and No. 14.
Plain.
No. 25/S490p/*108* .. each 2/1
Cut-away.
No. 25/S490s/*109* .. each 2/-

For No. 90 and 92. 71°.
Plain. (No. 1580-1).
No. 25/S490w/*107* .. each 2/7
Cut-away.
No. 25/S490x/*109* .. each 2/4

"CHATER LEA" SEAT LUG
For Carrier Tricycles, complete with Stay Eyes, Bolt and Nut.
For Drop Chassis Model (1444).
No. 25/S496e/*302* Size 1⅛" × 1⅛" .. .. .. each 4/2

TOE CLIPS—*continued*



NEW SPORTS TOE CLIPS

With fine adjustable fitting plates. Two wide loops to hold strap out to pedal width.

All Black. (No. 4.)

No. 25/T170m/8 per pair -/11
25/T170m/703 doz. pairs —



"SPORTIE" TOE CLIPS

Light Spring Steel.

Nickel Plated. (No. 9.)

No. 25/T170p/9 .. .. per pair 1/1
25/T170p/806 per doz. pairs —



"SPORTS" TOE CLIPS

Light and strong, with extra length for strap to come over shoe.

Nickle Plated. (No. 17.)

No. 25/T171a/8 .. .. per pair 1
25/T171a/709 per doz. pairs



"SPORTEX" TOE CLIPS

Light Spring Steel.

Nickel Plated. (No. 10.)

No. 25/T170t/10 .. per pair 1/3
25/T170t/909 doz. pairs —



"ACE" TOE CLIPS

Light Spring Steel, less Straps.

Nickel Plated. (No. 20L.)

No. 25/T171L/9 .. .. per pair 1/1

Chromium Plated. (No. 20LC.)

No. 25/T171m/160 .. .. per pair 1/5



"WANDERLUST" TOE CLIPS. (No. 15.)

With fine adjustable fitting plates over 2" to suit individual rider.

Nickel Plated, with Chrome Straps.

No. 25/T172k/108 .. .. per pair 2
25/T172k/1906 per doz. pairs

Nickel Plated, without Straps.

No. 25/T172L/101 .. .. per pair 2

Chromium Plated, with Chrome Straps.

No. 25/T172m/200 .. .. per pair 2





"VELOX" TEMPERED SPRING STEEL WIRE TOE CLIPS

With fine adjustable fitting plates.

For Rat-trap Pedals.

With Standard Chrome Straps. (No. 8A.)

No. 25/T172a/103 per pair 1/10
25/T172a/1406 doz. pairs —

With special lightweight Chrome Straps. (No. 8B.)

No. 25/T172b/104 per pair 2/-

Toe Clips without Straps. (No. 8.)

No. 25/T172d/5 per pair 1/-

For Rubber Pedals.

With Standard Chrome Straps. (No. 8AR.)

No. 25/T172e/108 .. .. per pair 2/6

Toe Clips only, without Straps. (No. 8R.)

No. 25/T172f/102 .. .. per pair 1/8



LIGHTWEIGHT NARROW SPRING STEEL TOE CLIPS

Less Straps.

Made specially to suit B.S.A., Boa and Viv etc., Racing Pedals.

Black Enamelled. (No. 19.)

No. 25/T173p/10 .. .. per pair 1

Chromium Plated. (No. 19LC.)

No. 25/T173s/100 .. .. per pair 1

TOURIST BAGS—*continued.*



"MIDLAND" TANDEM TOURIST BAG

Model No. 1323.

Black Rubber Faced Waterproof Material.

With strong steel suspension bar, leather underpatch, two end pockets, one fitted with integral tool roll, and front pocket, hooded front flap, three back and two front straps, cape strap loops. **Less** cape straps.

Size 15" × 13" × 8".

No. **25/T458t/710** .. each **11/9**



"MIDLAND" TOURIST BAG DISPLAY UNIT (No. 3)

Bracket type Display, with flange and screw holes for shop fascia, wall or stock racks, and is attractively enamelled on both sides and will display one "Midland" Tourist Bag.

One pair of these Enamelled Brackets will be sent **free of charge** to all dealers for an order of 6 "Midland" Tourist Bags assorted if required. Retail from 3/6 each upwards.



HUTCHINSON "CHROMIDE" TOURIST BAG

Black chrome leather with two end and one front hooded pockets, leather underpatch to take wear, metal stiffener, two cape straps.

Size 13" × 6½" × 8".

Without Lock.

No. **25/T466c/1004** .. .. each **15/6**



"MIDLAND" TOURING BAG DISPLAY UNIT (No. 1)

The manufacturers have decided to offer to dealers the above very attractive Display Stand **free of charge** for orders of **1 dozen** "Midland" Touring Bags, retail from **3/6** each upwards.

This Display Stand is made of steel tubes and attractively light blue enamelled, and valued at 7/6.

Made to display three Touring Bags by simply sliding along the tubes and securing by the saddle or hanging straps.

Each Stand boxed, and fitting instructions included.



HUTCHINSON TOURIST BAGS

Black waterproof straight grain heavy leather cloth with front and two hooded end pockets, metal stiffener, two cape straps.

"GLOBE TROTTER" No. 1

Size 13" × 7½" × 7".

No. **25/T466g/502** .. .. each **7/9**

"DUPLEX" No. 1

As above without front pocket.

Size 12½" × 7" × 7".

No. **25/T466k/404** .. .. each **6/6**

"UNIC" No. 1

With one end pocket.

Size 12" × 7½" × 6½".

No. **25/T466m/308** .. .. each **5/6**

For TOURIST ADDRESS LABELS OR DISCS see page 1.

TOURIST PANNIERS



"MIDLAND" TOURING BAG DISPLAY UNIT (No. 2)

Upright Model Display Stand is offered **free of charge** to dealers for an order of **1 dozen** "Midland" Touring Bags, retail for **3/6** each upwards. This display is 4' high and is introduced for those who would prefer it to stand in the shop doorway or in the shop itself, leaving more room on the counter.

Enamelled. Each stand boxed, and fitting instructions included.



"MIDLAND" TOURIST PANNIER BAGS

Made of strong waterproof black [illegible] drill, fitted with two straps, [illegible] buckles.

Size of panniers each 12" × 10" [illegible]

Complete with black enamelled [illegible] fitting carrier. (No. 894).

No. **25/T480a/806** .. per set [illegible]

Panniers without carrier.

No. **25/T480d/700** .. per set [illegible]



"MIDLAND" TOURIST PANNIER BAGS

Black waterproof rubber drill.

Size 11½" × 11½" × 3½".

Complete, riveted to carrier [No. 11[illegible]

No. **25/T480e/498** .. per set [illegible]

RIMS



DUNLOP WESTWOOD RIMS

Drilled 32, 36 and 40 holes. Standard sizes.

No. 27/60b/302	Bright	per pair	4/3
27/61b/309	Black Enamelled	,,	5/-
27/62b/400	Nickel Plated	,,	5/4
27/62bc/502	Chromium Plated	,,	7/-
27/63b/403	Nickel Plated, Black Centres	,,	5/8
27/63bc/505	Chromium Plated, Black Centres	,,	7/3
27/64b/405	Nickel Plated, Centred and Lined	,,	6/-
27/64bc/507	Chromium Plated, Centred and Lined (Red, Green or Gold)	,,	7/6

DUNLOP WEDGEWOOD RIMS

No. 27/65e/311	Black Enamelled	per pair	5/-
27/66a/402	Nickel Plated	,,	5/6
27/66ac/504	Chromium Plated	,,	7/3

B.B.I. WESTWOOD RIMS

No. 27/60a/308	Bright	per pair	3/8
27/61a/305	Black Enamelled	,,	4/6
27/62a/306	Nickel Plated	,,	5/-
27/62ac/408	Chromium Plated	,,	6/3
27/63a/310	Nickel Plated, Black Centres	,,	5/2
27/63ac/500	Chromium Plated, Black Centres	,,	6/8
27/64a/400	Nickel Plated, Centred and Lined	,,	5/4
27/64ac/502	Chromium Plated, Centred and Lined	,,	7/-



Electrically Welded.

DUNLOP "ENDRICK" RIMS

Sizes 26" × 1¼" and 1⅜", Drilled 32, 36 and 40 holes. For Caliper Brakes.

No. 27/67a/309	Black Enamelled	per pair	5/-
27/67b/400	Nickel Plated	,,	5/4
27/67bc/502	Chromium Plated	,,	7/-
27/67c/403	Nickel Plated, Black Centres	,,	5/8
27/67cc/505	Chromium Plated, Black Centres	,,	7/3
27/67d/410	Enamelled Imitation Wood Colour	,,	6/6

23 Gauge at above prices.

27/4 Tandem Gauge .. .. .. extra per pair -/5

Special Lightweight Steel Rims for Dunlop Road Racing High Pressure Tyres.

Sizes: 26" and 27" × 1¼". Drilled 32/40 holes.

No. 27/68a/611	Chromium Plated, Black Centred	per pair	9/3
27/68b/701	Chromium Plated, Centred and Lined Red	,,	9/6
27/68c/608	Chromium Plated	,,	9/-

DUNLOP CARRIER RIMS BLACK ENAMELLED

No. 27/69a/102	14" × 2" × 1¼" × 32 holes W.E.	each	1/7
27/69b/106	18" × 2" × 1¼" (for 20" × 2" tyre) 32 Holes. W.E.	,,	2/-
27/69c/404	26" × 1¼" 18G. 32 × 40 holes. W.E.	per pair	5/9
27/77a/511	26" or 28" × 1¼", 16G. B.E. 32/40 holes (for 12G Nipples)	,,	8/-

Special Lightweight Steel and 16G. B.E. Carrier Rims, depressed and pierced.

DUNLOP STAINLESS STEEL RIMS

To special order only.

W.O. Section 26" × 1⅜", 1½", 1¾". 28" × 1¼" and 1½".

No. 27/76a/1603 Drilled 32/40 holes .. per pair 21/-

"Endrick" Rims. 26" × 1¼" and 1½".

No. 27/76e/1800 Drilled 32/40 holes .. per pair 24/-



"CONSTRICTOR" CONLOY HOLLOW RIMS, W.O.

Size: 26" × 1¼". Drilled 32/40 holes.

No. 27/71c/3005 .. per pair 38/-

"CONSTRICTOR" CONLOY SPRINT RIMS

Size: 26" and 27" × ⅞".

Drilled 32/40 holes.

No. 27/71d/2605 .. per pair 33/-

Special Nipples and Washers for above Rims.

Nipples (No. 4.) Washers (No. 16.)

Supplied at no Extra Charge.



"CONSTRICTOR" REINFORCED ROUND WOOD RIM

For tubular tyres. (Foreign.)

Sizes: 26" and 27" × 1" and 1¼".

Drilled 32/40 holes.

No. 27/75a/1703 .. per pair 23/-

VINDEC ROAD RACING WHEELS

Built with Double Cog Hub (less cogs and nuts) and Front Racing Hub with Boa Sprint Wood Rims. (Foreign.)

Sizes 26" and 27" × 13 mm.

No. 27/100a/2110 .. per pair 32/9

Ditto, with First Choice Rims.

No. 27/100b/2706 .. per pair 41/4

"CONSTRICTOR" NEW WESTEEL W.O. RIMS N.S.

Weight each, 1 lb. 9 oz.

Size: 26" × 1¼" only. Drilled 32/40 holes.

No. 27/70c/307	Black Enamelled	per pair	4/-
27/70d/501	Chromium Plated	,,	4/-
27/100	Nipples (No. 6)	per gross	1/-
27/2	Washers (No. 14)	,,	-/-



"CONSTRICTOR" FLAT WOOD RIM. (Foreign.)

For tubular tyres.

Sizes: 26" and 27" × 13 and 14 mm.

Drilled 32/40 holes.

No. 27/74a/1703 .. per pair 23/-

"CONSTRICTOR" BOA FLAT RIM. (Foreign.)

For tubular tyres.

Sizes 26" and 27" × 13 mm.

Drilled 32/40 holes.

No. 27/74b/1209 .. per pair 18/-

DUNLOP CYCLE TYRES—*continued*



DUNLOP TUBULAR SPRINT (No. 3)

DUNLOP TUBULAR SPRINT TYRES

Supplied in 26" and 27".

No. 38/126/*1609* **No. 0. Plain,** for very fast short distances on fine surfaces .. .. .. each 21/-

No. 38/127/*1103* **No. 1. Plain,** for high grade cement and board tracks 15/-

No. 38/129/*1103* **No. 2. Plain,** for medium grade cement or cinder tracks and light road racing 15/-

No. 38/131/*1103* **No. 3. Smooth file,** for road racing, etc. 15/-



DUNLOP TUBULAR SPRINT (No. 4)

No. 38/133/*1103* **No. 4. Smooth file,** for road racing, also for track tandems .. .. .. each 15/-

No. 38/135/*1103* **No. 5. Plain tread, file sides,** for road racing, also for track tandems 15/-

No. 38/137/*1103* **No. 6. Rough file,** for road racing or grass tracks 15/-

No. 38/139/*1103* **No. 7. Rough file,** for road racing tandems 15/-

No. 38/140/*1103* **No. 8. Rough file,** for grass tracks each 15/-

No. 38/142/*903* **No. 9. Rough file,** for training and road work 12/6

No. 28/143/*709* **No. 10. Rough file,** for training and rough work 10/6

The above Prices are for Cotton Tyres.

No. 38/—/*1209* Extra for Silk **Nos. 1 to 8** (to order only) 15/-



B.B.L. COVERS

THREE ATTRACTIVE LINES

THE HALYCON COVER

For Carrier Cycles.

Thick Black Rubber. Buttressed tread with strong casing. Calculated for strength and endurance. British manufacture.

No. 38/141/*309*	Covers, Wired only	each	8/-
38/141/*308*	.. .. ..	lots of 6	45/-
38/141/*307*	.. .. ..	.. 12	84/-

Size 26" × 1¾". Wired only.

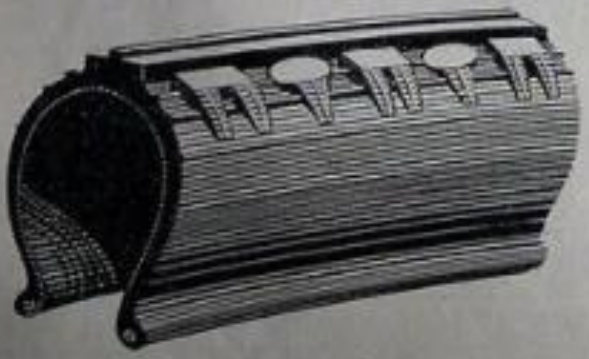


THE GRIPSO COVER (British)

A neat, reliable, Studded Cover at a competitive price.

No. 38/161/*110*	Covers, Wired only	each	2/-
38/161/*109½*	.. .. ..	lots of 12	22/6
38/161/*109*	.. .. ..	.. 25	45/-
38/161/*108½*	.. .. ..	.. 50	85/-

Sizes: 26" × 1¾" (Red or Black), 26" × 1½", 26" × 1¾", 28" × 1¾".



BRITISH MAKE COVERS

A competitive No-name Line.

No. 38/165/*110*	Covers, Wired only	each	2/-
38/165/*109½*	.. ..	lots of 10	17/6
38/165/*109*	.. ..	.. 25	40/-
38/165/*108½*	.. ..	.. 50	75/-

Sizes: 26" × 1¾", 26" × 1½", 26" × 1¾", 28" × 1¾".

CYCLE TYRES—*continued*

CONSTRICTOR



(TUBULAR)

No. 38/269/*1307*	**No. 1. Path. Thread** ..	each	17/6
	Sizes stocked : 26″ × 1″, 27″ × 1″, 27″ × 1¼″.		
No. 38/271/*1307*	**Grass. Thread**		17/6
	Sizes stocked : 26″ × 1¼″, 27″ × 1¼″.		
No. 38/273/*1404*	**Adder. Thread**		18/6
	Sizes stocked : 26″ × 1¼″, 27″ × 1¼″.		
No. 38/275/*1307*	**Asp Light Road. Thread**		17/6
	Sizes stocked : 26″ × 1″, 27″ × 1″.		
No. 38/276/*1307*	**The Fifty. Thread**		17/6
	Sizes stocked : 26″, 27″.		
Extras—			
–/*311*	Any of above in Silk		5/–
–/*10*	.. .. .. with Skin Sides		1/–
No. 38/277/*1108*	**Python Road** (Skin sides)		15/–
	Sizes stocked : 26″ × 1¾″, 27″ × 1¾″.		
No. 38/278/*1108*	**New Boa**		15/–
	Sizes stocked : 26″, 27″.		
No. 38/281/*1108*	**Zone Light Path. Cotton**		15/–
38/285/*1108*	.. **Heavy Road**		15/–
	Sizes stocked : 26″, 27″.		





FOR CONSTRICTOR TUBULAR CEMENT see page 401.

FOR CONSTRICTOR Q.V. TYRE FILLING, PLUGIT, VIPER DOPE LATEX AND CONOTTING see page 405.

(COVERS AND TUBES)

No. 38/293/*503*	**Concord Speed Cover**	each	7/6
38/293/*109*	.. .. Tube (1st quality)	..	2/6
	Size : 26″ × 1¾″.		
No. 38/294/*505*	**Concord** Fully Rubbered Cover	..	7/9
38/294/*109*	.. Tube (1st quality) ..	..	2/6
	Sizes stocked : 26″ × 1¾″, 26″ × 1¾″.		
No. 38/295/*406*	**Python R.R.** Cover	..	6/6
38/295/*101*	.. .. Tube	..	1/6
	Sizes stocked : 26″ × 1¾″, 26″ × 1¾″.		
No. 38/299/*603*	**Adder Road Racing** Cover ..	..	9/–
38/299/*107*	.. .. .. Tube ..	..	2/3
	Sizes stocked : 26″ × 1¾″, 26″ × 1¾″.		
No. 38/301/*704*	**The Viper** Cover	..	10/6
38/301/*109*	Viper Tube (with spring valve) ..	..	2/6
	Sizes stocked : 26″ × 1¾″, 26″ × 1¾″.		
No. 38/302/*708*	**The Asp** Cover	..	11/–
38/302/*109*	Asp Tube (with spring valve) ..	..	2/6
	Sizes stocked : 26″ and 27″ × 1¾″ and 1¼″.		
	For 27″ Conloy Asp Rim see Rim Section.		
No. 38/307/*901*	**De Luxe** Cover	..	13/–
38/307/*107*	.. Tube	..	2/3
	Sizes stocked : 26″ × 1¾″, 26″ × 1¾″.		

All the above W.O. Covers with the exception of Concord can be supplied in 27″ to order only. Customers must definitely state if these are required for H.P. or Continental rims.

Other sizes and types in Constrictor Tyres, as per Manufacturer's List, supplied to order.



ADDER or No. 3.





THE FIFTY



PYTHON ROA



