

1969  
1



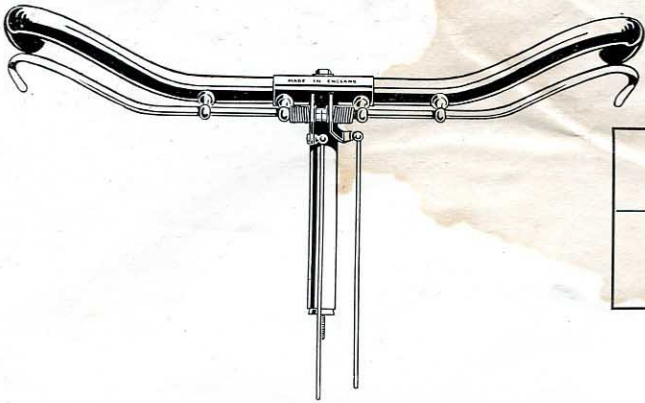
COMPONENTS HAVE NO OPPONENTS

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# HANDLEBARS



Cat. Ref.

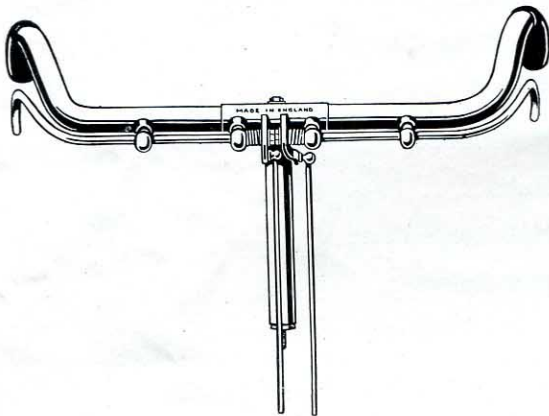
**47/NRR**

## NORTH ROAD RAISED HANDLEBAR

20" wide, manufactured from the finest quality  $\frac{7}{8}$ " diameter tubing, 3" wide centre lug, forged steel levers and steel lever fastenings, fitted with expander bolt, and black grips. Marked "Made in England." Finished in high deposit chrome plate.

*Nett weight:* 3 lb. 1 oz.; 1.389 kg.

*Code word:* BIFZA.



Cat. Ref.

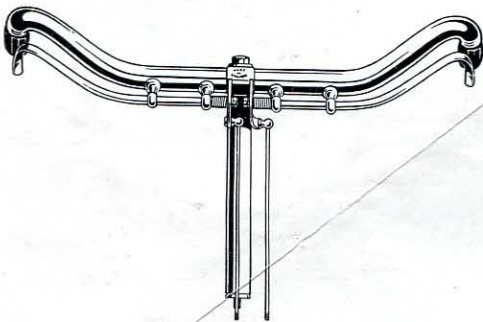
**47/SR**

## STANDARD RAISED HANDLEBAR

19" wide, similar specification to the 47/NRR Handlebar above. Fitted with 3" centre lug, expander bolt and black handlebar grips. Marked "Made in England." All Radnall Handlebars are supplied in high deposit chrome plated finish.

*Nett weight:* 3 lb. 1 oz.; .361 kg.

*Code word:* ABACA



Cat. Ref.

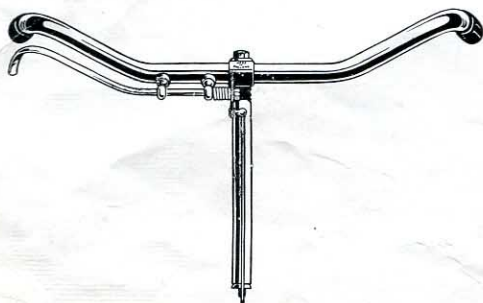
**47 J/NRR**

## JUVENILE NORTH ROAD RAISED HANDLEBARS

18 $\frac{1}{2}$ " wide, manufactured from high grade  $\frac{7}{8}$ " diameter tubing and fitted with Radnall's standard narrow lug, high deposit chrome plated. This handlebar was introduced for fitting to the intermediate range of juvenile bicycles. Marked "Made in England."

*Nett weight:* 2 lb. 9 oz.; 1.162 kg.

*Code word:* NORVU.



Cat.  
Ref.

Type

**6/NRR**

Double  
Lever

**7/NRR**

Single  
Lever

## JUNIOR NORTH ROAD HANDLEBAR

18 $\frac{1}{2}$ " wide, introduced by Radnall's to fill the need of manufacturers producing children's pavement cycles and tricycles. This handlebar is made from  $\frac{3}{4}$ " diameter tubing with single or double levers. Marked "Made in England."

*Nett weights:* **6/NRR** 2 lb. 8 oz.; 1.134 kg.

**7/NRR** 1 lb. 12 oz.; .794 kg.

*Code words:* **6/NRR** DUBEL.  
**7/NRR** SINLE

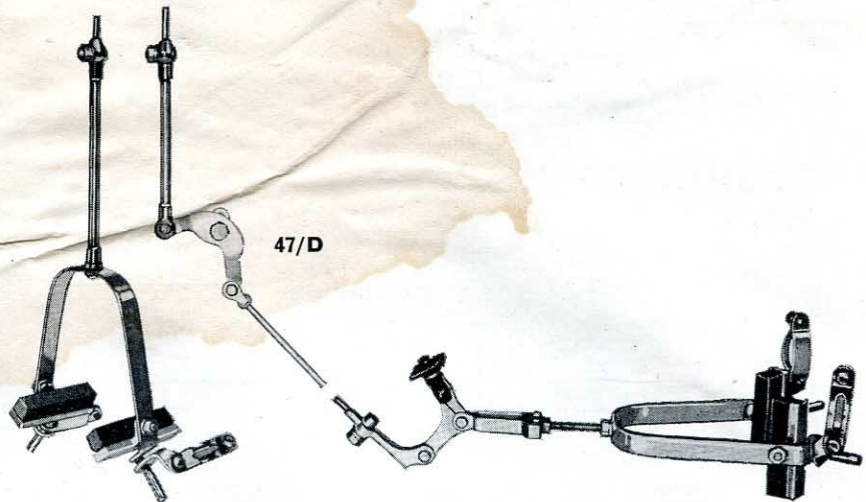
# BOTTOM BRAKE PARTS

The brake parts shown on this page, are as supplied with the **No. 47** range of Handlebars on page 2, and are included in the term "Handlebars and Brakes."

**No. 47/F.** Front bottom brake parts, with fork clips.

**No. 47/D** is bolt fastening at the bottom head lug.

**No. 47/S** refers to stud fitting at the bottom bracket.



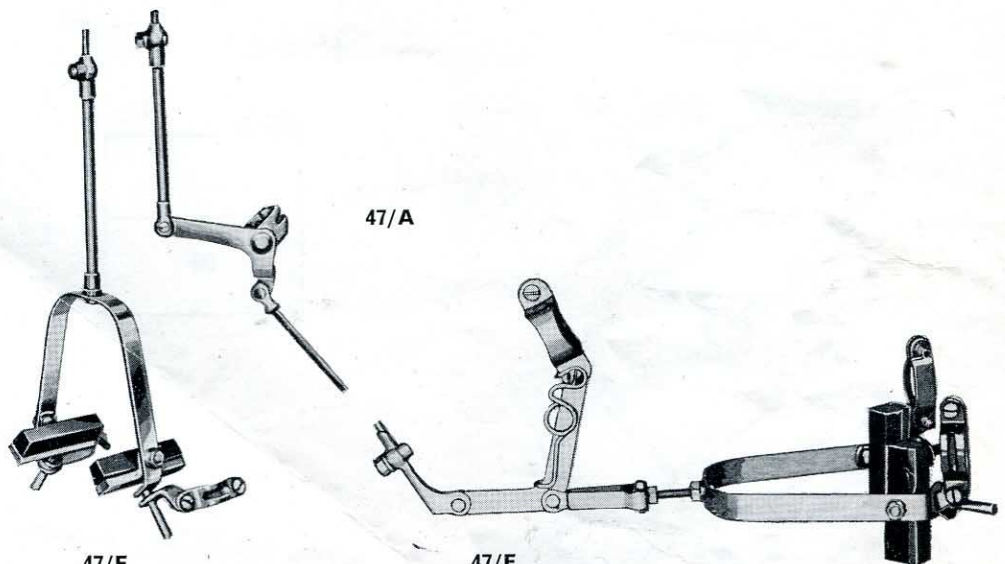
47/F

47/D

47/S

**No. 47/A** denotes clip fastening at the bottom head lug.

**No. 47/E** is clip fastening at the bottom bracket.



47/F

47/A

47/E

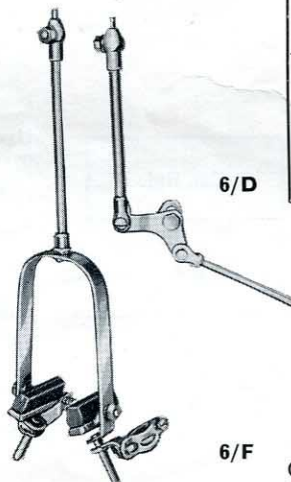
**No. 6/F.** Junior front bottom brake parts with fork clips.

**No. 6/D.** Junior is bolt fastening at the bottom head lug.

**No. 6/R.** Junior is direct transmission to the rear brake.

Rear brake bottom parts, from the bell crank downwards are imitation chromium plated, and all the remaining parts, including fork clips are high deposit chrome plate. For Handlebar and Brake Spare Parts, see pages 5 and 11.

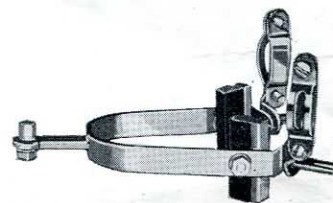
Fork and stay clips are supplied  $\frac{7}{8}$ "D as standard.  $\frac{3}{4}$ "D and  $\frac{5}{8}$ " round to order.



6/D

6/F

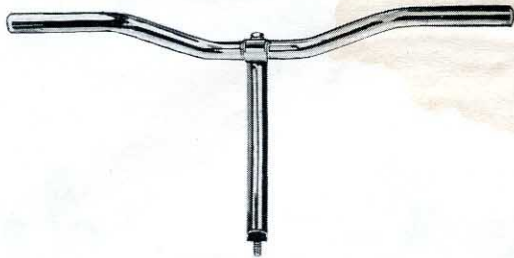
FRAME HEAD SIZE	FRONT BRAKE		REAR BRAKE	
	Length of tube only	Tube length with joints	Length of tube only	Tube length with joints
4"	2 $\frac{1}{2}$ "	3 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2 $\frac{3}{8}$ "
5"	3 $\frac{1}{2}$ "	4 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "	3 $\frac{3}{8}$ "
6"	4 $\frac{1}{2}$ "	5 $\frac{1}{4}$ "	3 $\frac{1}{2}$ "	4 $\frac{3}{8}$ "
7"	5 $\frac{1}{2}$ "	6 $\frac{1}{4}$ "	4 $\frac{1}{2}$ "	5 $\frac{3}{8}$ "
8"	6 $\frac{1}{2}$ "	7 $\frac{1}{4}$ "	5 $\frac{1}{2}$ "	6 $\frac{3}{8}$ "
9"	7 $\frac{1}{2}$ "	8 $\frac{1}{4}$ "	6 $\frac{1}{2}$ "	7 $\frac{3}{8}$ "



6/R

Customers are requested to specify the full reference number together with the frame head size when ordering.

## MINI HANDLEBAR & BRAKES



Cat. Ref.

**9MA**

This latest addition to Radnall's Handlebar and Brake Sets follows the modern trend in the development of children's cycles and tricycles, being extensively used as original equipment by the leading manufacturers.

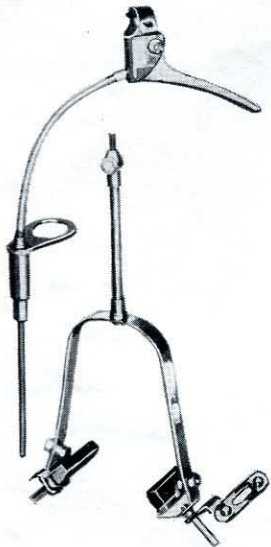
The mechanism of these brakes, designed not only to be efficient but simple and easy to fit.

### MINI ALL ROUNDER HANDLEBAR

Similar in shape to the standard pattern, but manufactured from  $\frac{3}{8}$ " diameter tubing, supplied complete with expander bolt, washer and cone and heavily chromium plated, white grips fitted to order.

*Nett weight:* 1 lb. 3 oz.; .538 kg.

*Code word:* ZLCOP.



Cat. Ref.

**90**

### MINI FRONT BRAKE SET

Used in conjunction with either the **No. 9MA** All Rounder or the **No. 7A** North Road Raised Juvenile Handlebar shown on page 6, for children's pavement tricycles.

*Nett weight:* 11 oz.; .312 kg.

*Code word:* MINIC.



Cat. Ref.

**91**

### MINI REAR BRAKE SET

Used together with the above on pavement cycles requiring two brakes.

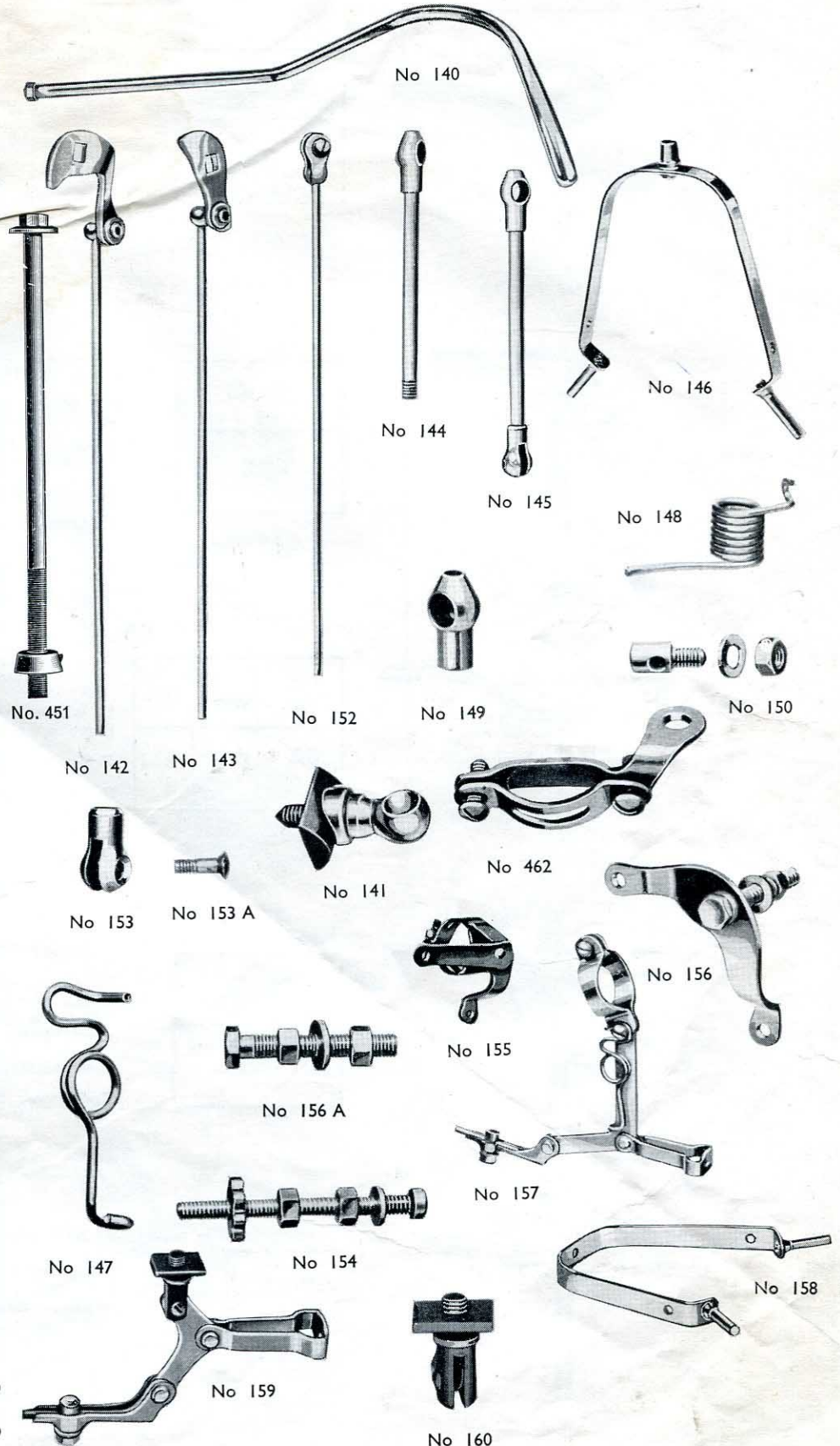
*Nett weight:* 11 oz.; .312 kg.

*Code word:* MINIR.

The levers and stirrups of these brake sets are heavily chromium plated and are supplied with plain silver cables as standard; plain or fluted white cables to order.

# BRAKE SPARE PARTS

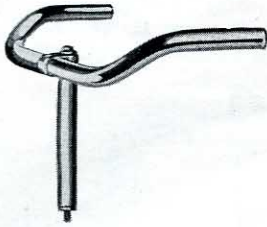
Description	List No.	Suitable for
Roller Lever, R.H. ..	140/1	47 North Raised
Roller Lever, L.H. ..	140/2	47 North Raised
Roller Lever, R.H. ..	140/3	47 Standard Raised
Roller Lever, L.H. ..	140/4	47 Standard Raised
Roller Lever, R.H. ..	140/5	47J and 7 North Raised
Roller Lever, L.H. ..	140/6	47J and 7 North Raised
Lever Stud Unit ..	141/1	(Outer) all models
Lever Stud Unit ..	141/2	(Inner) 47:NRR and 47:SR
Stop and Rod, Rear	142	All models
Stop and Rod, Front	143	All models
Roller Rod and Swivel	152	With screw
Roller Rod Only ..	152A	All models
Spring, R.H. ..	148/1	All models
Spring, L.H. ..	148/2	All models
Expander Bolt ..	451/6	6", all models
Washer and Cone	451/7	7", all models
	451/8	8", all models
	451/9	9", all models
	451/10	10", all models
Draw Bolt, Complete	150	All models
	151	"R" pattern, small
Top Tube Lug ..	149	All models
Tube Unit, Front ..	144	All models*
Stirrup Unit, Front ..	146/1	All standard models
	146/2	Juvenile
	146/3	Balloon Juvenile
Bottom Tube Lug ..	153	All models
Bottom Tube Lug Pin	153A	All models
Tube Unit, Rear ..	145	All models*
Bell Crank Clip ..	155	All models
Bell Crank Unit ..	156	All models
Bell Crank Bolt ..	156A	All models
Bracket Unit .. ..	157	All models
Bracket Spring ..	147	All models
Bracket Stud Unit ..	159	All models
Bracket Stud .. ..	160	All models
Adjuster Pin Unit ..	154	All models
Stirrup, Rear .. ..	158/1	All standard models
	158/2	Small, to order only
	158/3	Juvenile
	158/4	Balloon Juvenile
Forks Clips, Complete	462/1	Standard, $\frac{7}{8}$ " D
	462/2	Standard, $\frac{3}{4}$ " D
	462/3	Standard, $\frac{5}{8}$ " Round



\*When ordering Brake Tube Units, please refer to table of dimensions at foot of page 3.

BRAKE SHOES, BLOCKS AND PINS—REFER TO PAGE 11.

# HANDLEBARS



Cat. Ref.

**3A**

## STANDARD RAISED HANDLEBAR

19" overall width  $\times \frac{7}{8}$ " diameter, 1" wide centre lug marked "Made in England," fitted with expander bolt, washer and cone, finished in high deposit chromium plate.

*Nett weight:* 1 lb. 12 oz.; .793 kg.

*Code word:* BABGO.



Cat. Ref.

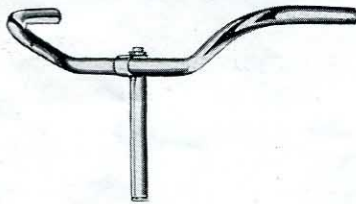
**5A**

## NORTH ROAD RAISED HANDLEBAR

20" overall width  $\times \frac{7}{8}$ " diameter, 1" wide centre lug fitted with expander bolt. This is the plain version of the 57/NRR, and is finished in chromium plate.

*Nett weight:* 1 lb. 12 oz.; .793 kg.

*Code word:* BICOP.



Cat. Ref.	O'll Width	Dia.
<b>6A</b>	18½"	$\frac{7}{8}$ "
<b>7A</b>	18½"	$\frac{3}{4}$ "

## NORTH ROAD RAISED JUNIOR HANDLEBAR

1" wide centre lug, marked "Made in England," plated in high deposit chrome.

*Nett weight:* 1 lb. 6 oz.; .623 kg.

*Code word:* BAJUV.



Cat. Ref.

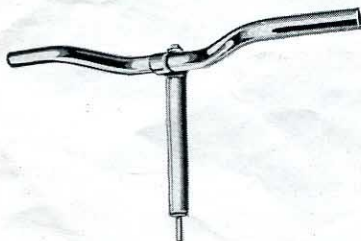
**8A**

## LIGHT TOURIST HANDLEBAR

21" overall width  $\times \frac{7}{8}$ " diameter tubing, 1" wide centre lug, chromium plated, marked "Made in England," and fitted with expander bolt.

*Nett weight:* 1 lb. 10 oz.; .737 kg.

*Code word:* BEROP.



Cat. Ref.	O'll width	Dia.
<b>9A</b>	21"	$\frac{7}{8}$ "
<b>9JA</b>	19½"	$\frac{7}{8}$ "
<b>9MA</b>	18½"	$\frac{3}{4}$ "

## ALL ROUNDER HANDLEBARS

This very popular No. 9 range are all fitted with 1" wide centre lugs, fitted with expander bolts and finished in Radnall's high deposit chromium plate, marked "Made in England."

*Nett weight:* **9A** 1 lb. 6 oz.; .623 kg.

**9JA** 1 lb. 5 oz.; .595 kg.

**9MA** 1 lb. 3 oz.; .538 kg.

*Code word:* ZLCOP.

# HANDLEBAR BENDS

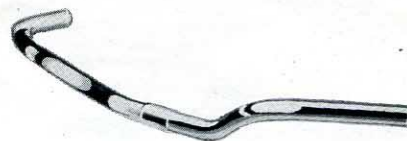
## LIGHT TOURIST HANDLEBAR BEND

21" overall width  $\times \frac{7}{8}$ " diameter, centre bulged to  $\frac{1}{8}$ ", high deposit chromium plated and wrapped in a polythene sleeve.

Nett weight: 1 lb.; .454 kg.

Code word: BERN.

Cat. Ref.
8



## ALL ROUNDER HANDLEBAR BENDS

Manufactured from  $\frac{7}{8}$ " diameter tubing, centres bulged to  $\frac{1}{8}$ " and finished in chromium plate, wrapped in polythene sleeves.

Nett weight: **9** 12 oz.; .340 kg.  
**9J** 11 oz.; .312 kg.

Code word: BERZL

Cat. Ref.	Overall width
<b>9</b>	21"
<b>9J</b>	19 $\frac{1}{2}$ "



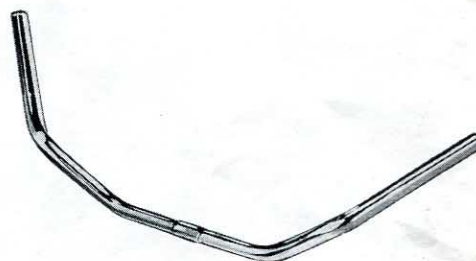
## SPEED TRACK HANDLEBAR BENDS

Using  $\frac{7}{8}$ " diameter first grade tubing, centres bulged to  $\frac{1}{8}$ " and chromium plated, polythene sleeve wrapped.

Nett weight: **10** 1 lb. 1 oz.; .482 kg.  
**10W** 1 lb. 5 oz.; .595 kg.

Code word: BERTR.

Cat. Ref.	Overall width
<b>10</b>	25 $\frac{1}{2}$ "
<b>10W</b>	29 $\frac{1}{2}$ "



## MAES HANDLEBAR BENDS

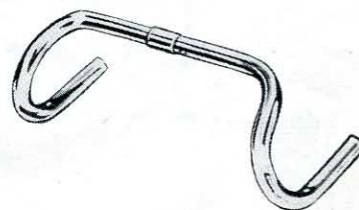
16 $\frac{1}{2}$ " overall width, this very popular handlebar was introduced by request, and is used by all the leading manufacturers of specialist racing cycles.

**No. 11A** is polished aluminium (centre only if requested) and **Nos. 11S** and **11SB** high deposit chromium plated, wrapped in polythene sleeves.

Nett weight: **11A** 11 oz.; .319 kg.  
**11S** 1 lb. 3 oz.; .539 kg.  
**11SB** 1 lb. 5 oz.; .595 kg.

Code word: BMAES.

Cat. Ref.	Material	Material Size	Bulge Size
<b>11A</b>	Alloy	$\frac{1}{8}$ "	1"
<b>11S</b>	Steel	$\frac{7}{8}$ "	$\frac{1}{8}$ "
<b>11SB</b>	Steel	$\frac{1}{8}$ "	1"



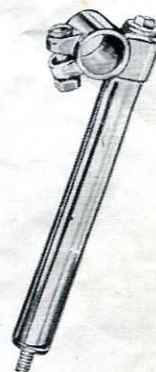
## HANDLEBAR STEMS

Manufactured from the finest materials, and heavily chromium plated. Supplied complete with pin and nut, expander bolt, washer and cone.

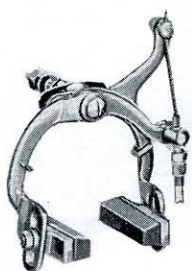
Nett weight: 12 oz.; .340 kg.

Code word: AGRIC.

Cat. Ref.	Size	Extension
<b>257/1</b>	$\frac{1}{8}$ "	1"
<b>257/2</b>	1"	1"



# CABLE BRAKES



Cat. Ref.

**80** Front  
**81** Rear Gent's  
**82** Rear Ladies'

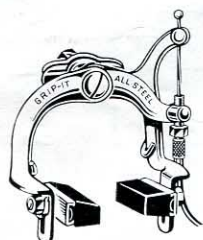
## SCEPTRE-EIGHTY

The beautifully styled "Sceptre-Eighty" brakes have been introduced into our range and are expected to prove to be the most popular brake of its kind produced to-day.

Over half a century of experience and engineering craftsmanship in the manufacture of cycle brakes has been put into the design of this immensely strong and efficient assembly.

*Nett weight:* **80** 15 oz.; .425 kg.  
**81** 16 oz.; .454 kg.  
**82** 17 oz.; .482 kg.

*Code word:* SEPTA.



Cat. Ref.

**25** Front  
**26** Rear Gent's  
**27** Rear Ladies'

## GRIP-IT

The ease of fitting the popular "Grip-it" range of caliper brakes has been a feature that has pleased manufacturers in all parts of the world for many years. These well proved brakes are smartly designed, superbly strong, and exceptionally efficient.

*Nett weight:* **25** 15 oz.; .425 kg.  
**26** 16 oz.; .454 kg.  
**27** 17 oz.; .482 kg.

*Code word:* CLUAT.

All caliper brakes are supplied with silver waterproof covered cables as standard. Black, white or coloured cables supplied to order.

All models are fitted with the **No. 702** Lever as standard, alternative levers as illustrated on opposite page to order.



# CABLE BRAKE LEVERS

Standard pattern fitted with solid forged lever supplied as standard with all cable brakes,  $\frac{5}{16}$ " barrel nipple fitting.

*Nett weight:* 5 oz.; 142 kg.

*Code word:* ADMIR.

Cat. Ref.
<b>702</b>

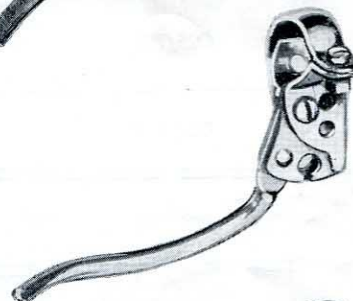


This Lever is identical to the **702**, except the lever is curved to reduce "reach" for fitting to Maes and similar shaped handlebar bends,  $\frac{5}{16}$ " barrel nipple fitting.

*Nett weight:* 5 oz.; .142 kg.

*Code word:* ADMIC.

Cat. Ref.
<b>702C</b>

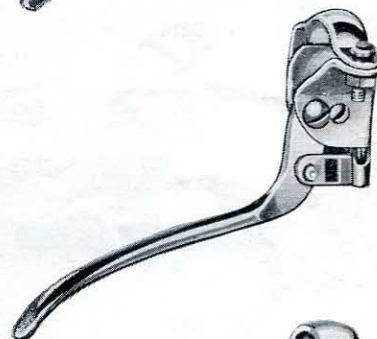


Tourist pattern Ultra Slim Lever, may be fitted as an alternative to the "Grip-it" and "Sceptre-Eighty" caliper brakes. Standard nipple fitting.

*Nett weight:* 4 oz.; .113 kg.

*Code word:* GOCLE.

Cat. Ref.
<b>703</b>

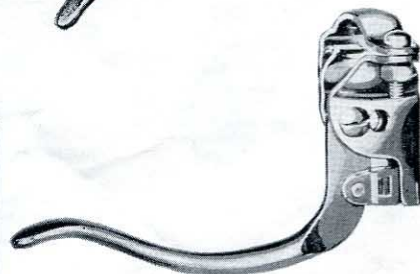


Tourist pattern Curved Lever, for fitting to shaped handlebars to reduce "reach." Standard nipple fitting.

*Nett weight:* 4 oz.; .113 kg.

*Code word:* GOCIC.

Cat. Ref.
<b>703C</b>



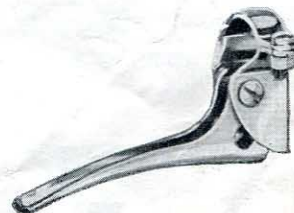
Types **702**, **702C**, **703** and **703C** Levers are chromium plated and have Radnall's two position fulcrum fastening, enabling the lever to be mounted in the body in two positions for short and long reach, also they are suitable for fitting to  $\frac{7}{8}$ " and  $\frac{1}{2}$ " diameter handlebars.  $\frac{3}{4}$ " size to order.

This lever was introduced for the juvenile and tricycle manufacturers who required to fit Radnall's caliper brakes to these machines. Children have found this well designed and safe lever easy to operate.  $\frac{5}{16}$ " barrel nipple fitting. Chromium plated.

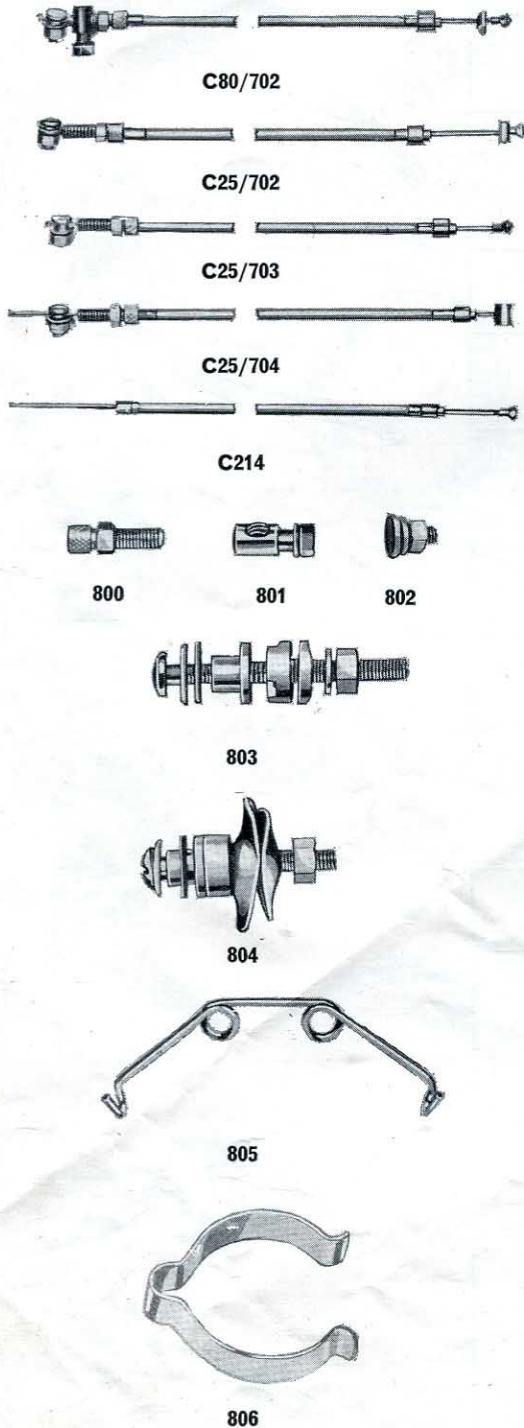
*Nett weight:* 2 oz.; .57 kg.

*Code word:* GOCJU.

Cat. Ref.
<b>704</b>



# CABLE BRAKE SPARE PARTS

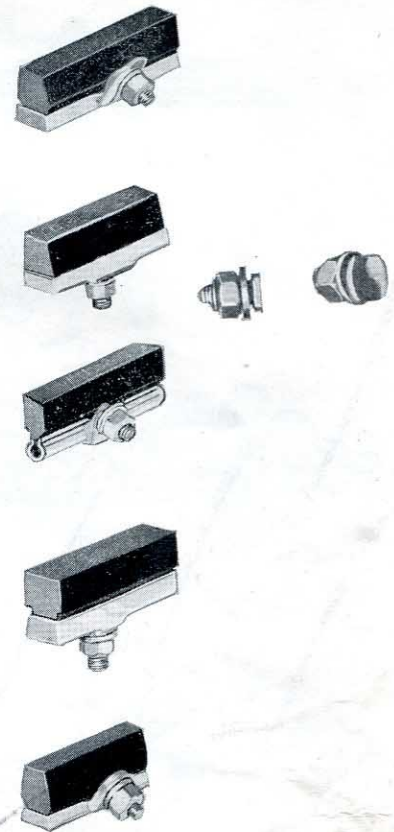


Description	Cat. Ref.	Suitable for
Transmission Cables complete assemblies	<b>C80/702</b> <b>C81/702</b> <b>C82/702</b>  <b>C25/702</b> <b>C26/702</b> <b>C27/702</b>  <b>C90/704</b> <b>C91/704</b>	80 front. 81 rear gent's. 82 rear ladies'. " Sceptre-Eighty " fitted with 702 lever. 25 front. 26 rear gent's. 27 rear ladies'. " Grip-it " fitted with 702 lever. 90 front. 91 rear. Mini brake fitted with 704 lever.
Transmission Cables only	<b>C214</b> <b>C215</b> <b>C216</b>	front. rear gent's. rear ladies'. All cable brakes fitted with standard nipple.
Cable catalogue reference numbers are made up from the brake type number followed by the lever type number. Refer to pages 4, 8 and 9.		
All transmissions are supplied with silver waterproof covered cables as standard. Black, white or coloured cables supplied to order.		
Cable Adjuster	<b>800</b>	All models.
Adaptor Lug	<b>801</b>	" Sceptre-Eighty."
Cable Anchor Pin, Nut and Washer	<b>802</b>	All models.
Centre Bolt Unit, Front	<b>803</b>	All models.
Centre Bolt Unit, Rear	<b>804</b>	All models.
Leg Spring	<b>805</b>	All models.
Cable Clip, Single	<b>806/1</b>	1 1/8" dia.
Cable Clip, Double	<b>806/2</b>	1 1/8" dia.
Cable Clip, Juvenile	<b>806/3</b>	3/4" dia.

## BRAKE SHOES, BLOCKS AND PINS

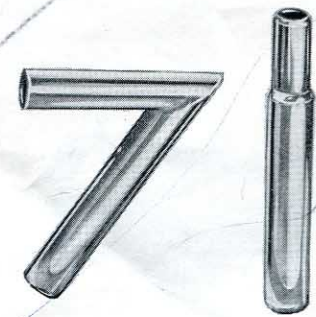
IMITATION CHROME PLATED

Cat. Ref.	Type	Code Word	Weight		
			Quantity	Lb.	Kg.
460 471/460 472/460	Standard roadster shoe complete	ADVIS	1 gross prs.	21	9.525
	Standard roadster block .. .. .	DDVIS	1 gross	5	2.268
	Standard roadster pin, washer and nut .. .. .	PDVIS	1 gross	1½	.680
693 471/693 472/693	Standard caliper shoe complete ..	ADVAC	1 gross prs.	18	8.165
	Standard caliper block .. .. .	BDVAC	1 gross	3½	1.588
	Standard caliper pin, washer and nut .. .. .	PDVAC	1 gross	1½	.680
460R 471/460R 472/460R	Raleigh type roadster shoe, c/p ..	ADRAL	1 gross prs.	16	7.258
	Raleigh type roadster block .. .. .	BDRAL	1 gross	3½	1.588
	Raleigh type roadster pin, washer and nut .. .. .	PDRAL	1 gross	1½	.680
693R 471/693R 472/693R	Raleigh type caliper shoe, c/p ..	ADRAC	1 gross prs.	15	6.804
	Raleigh type caliper block .. .. .	BDRAC	1 gross	3½	1.474
	Raleigh type caliper pin, washer and nut .. .. .	PDRAC	1 gross	1½	.680
460J 471/460J 472/460J	Juvenile roadster shoe complete ..	ADJUV	1 gross prs.	12	5.443
	Juvenile roadster block .. .. .	BDJUV	1 gross	2½	1.134
	Juvenile roadster pin, washer and nut .. .. .	PDJUV	1 gross	1½	.680



## SEAT PILLARS CHROME PLATED

Cat. Ref.	To Fit	Length	Type
261/6	1⅛" × 20G	6"	Forward pattern.
263/7	1¼" × 20G	7"	Straight pattern.
263/9	1⅝" × 20G	9"	Straight pattern.
263/12	1⅞" × 20G	12"	Straight pattern.
265/95	1⅞" × 24G	9½"	Straight pattern.

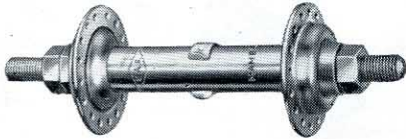


## HANDLEBAR GRIPS

Cat. Ref.	To Fit	Type
50/1	7/8"	Black plastic.
50/2	7/8"	Standard black rubber.
50/3	3/4"	Black plastic.
50/4	3/4"	Standard black rubber.
50/5	3/4"	White plastic.



# HUBS



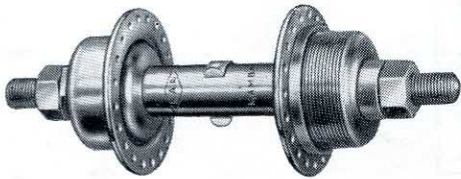
Cat. Ref.
<b>196</b>

**MAMBA**

Radnall's Narrow Barrel "Mamba" Hubs are manufactured from all steel for maximum strength, and designed so as to obtain minimum weight. Both front and rear hubs have closed bearing ends to maintain smooth running efficiency, and finished in high deposit chromium plate.

*Nett weight:* **196** 6 oz.; .170 kg.  
**197** 12 oz.; .340 kg.

*Code word:* **196** MAMBA.  
**197** MAMBR.



Cat. Ref.
<b>197</b>

Cat. Ref.	Width over cones	Length of spindle	Drilling	Diam. of spindle	Diam. of balls	Chain line
<b>196</b>	3½"	5"	32	5/16"	3/16"	—
<b>197</b>	4"	5 5/8"	40	3/8"	1/4"	1½" G.C.C.
<b>179</b>	3 9/16"	5"	32	5/16"	3/16"	—
<b>193</b>	4"	5 5/8"	40	3/8"	1/4"	1½" G.C.C.



Cat. Ref.
<b>179</b>

The **No. 193** all steel large barrel has a patent "oil bath" to ensure sufficient oil to feed bearings continually with the correct quantity of lubricant. The carefully machined ends are solid and correctly hardened to give years of perfect running under the most arduous conditions. The **No. 179** Front Hub also has solid ends and is usually supplied with the **No. 193** to make the pair. Chromium plated.

*Nett weight:* **179** 6½ oz.; .184 kg.  
**193** 16 oz.; .454 kg.

*Code word:* **179** BIBTA.  
**193** BIBYE.



Cat. Ref.
<b>193</b>

# HUBS

All Radnall's junior hubs are manufactured from the finest quality steel with solid ends correctly machined and The **No. 392** Hubs are designed for use on machines with standard tyres, whilst the **No. 393** Hubs are used for balloon tyres.

*Nett weight:* **392F** 6 oz.; .170 kg.  
**392R** 7 oz.; .198 kg.  
**393F** 6 oz.; .170 kg.  
**393R** 8 oz.; .227 kg.

*Code word:* **392F** COSOT.  
**392R** COSOR.  
**393F** COBAF.  
**393R** COBAR.

Juvenile hubs are supplied with flanges drilled 16 or 20 holes to order.

All Radnall's hubs are high deposit chromium plate.

Cat. Ref.
<b>392F</b>

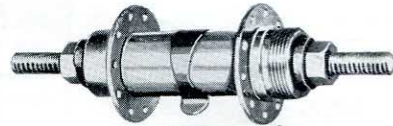
Cat. Ref.
<b>392R</b>

Cat. Ref.
<b>393F</b>

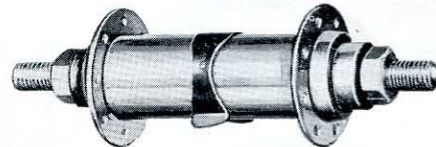
Cat. Ref.
<b>393R</b>



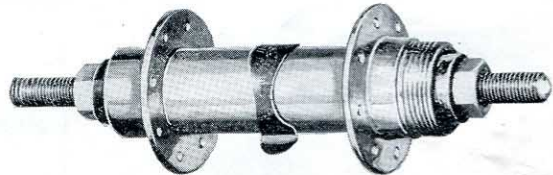
392F



392R



393F



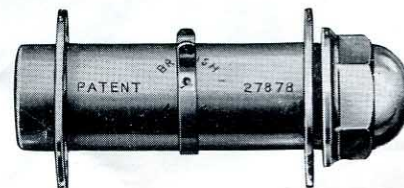
393R

Cat. Ref.	Width over cones	Length of spindle	Drilling	Diam. of spindle	Diam. of balls	Chain line
<b>392F</b>	2 3/4"	4"	20	5/16"	5/16"	—
<b>392R</b>	3 3/8"	5 1/2"	20	5/16"	5/32"	1 5/16"
<b>393F</b>	3 1/4"	4 1/2"	16	5/16"	5/32"	—
<b>393R</b>	4"	5 3/4"	16	5/16"	5/32"	1 5/8"

These patented axles are made up with one fixed and one free hub. The **No. 207/1** Hub becomes automatically fixed by the slotted end, as shown in the illustration, when assembled to the axle. The axle is flatted to accept the free wheel adaptor and cotter, giving a movement of 3/4" to determine the correct chain line.

Cat. Ref.	Type
<b>207/1</b>	Fixed side
<b>207/2</b>	Free side

These features facilitate the assembling and thereby reduce the costs. Our **No. 392** Juvenile Front Ball Bearing Hub, as illustrated on this page, is usually taken with these to make a complete set.

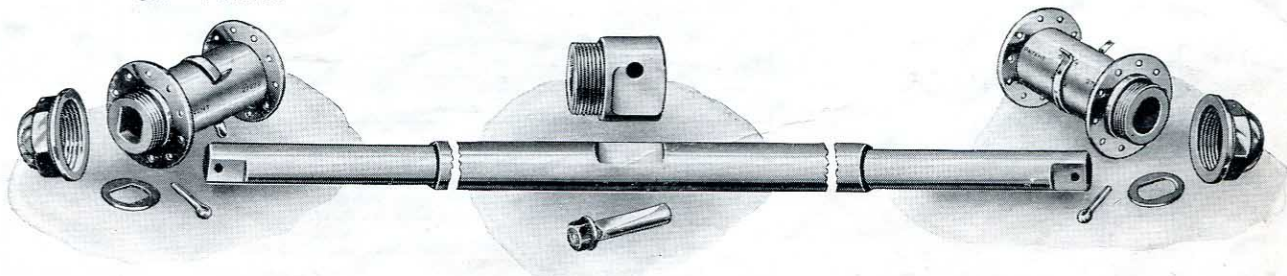


207

*Nett weight:* **207/1** 4 oz.; .113 kg.  
**207/2** 4 oz.; .113 kg.  
**300** 2 lb. 8 oz.; 1.134 kg.

Cat. Ref.
<b>300</b>

*Code word:* **207/1** AHEIX.  
**207/2** AHEIF.  
**300** AHEIG.



# HUB SPINDLES COMPLETE



213/F1



213/R1



213/F3



213R/F1



213R/F1



213R/R1



213J/F1



Cat. Ref.	Length	Diam.	Type	Code Word	Weight per gross	
					Lb.	Kg.
213/F1	5"	$\frac{5}{16}$ "	Standard Front .. ..	BACFA	24	10.886
213/F2	5 $\frac{1}{2}$ "	$\frac{5}{16}$ "	Standard Front, extra long ..	BACFB	25	11.340
213/P1	5"	$\frac{5}{16}$ "	"P" pattern, $\frac{1}{16}$ " O/D cones	BACPA	27	12.247
213/R1	5 $\frac{3}{8}$ "	$\frac{3}{8}$ "	Standard Rear .. ..	BACRA	34	15.422
213/R2	6 $\frac{1}{2}$ "	$\frac{3}{8}$ "	Standard Rear, extra long ..	BACRB	38	17.237
213/F3	5"	$\frac{3}{8}$ "	Front, flatted spindle ..	BACFC	32	14.515
213R/F1	4 $\frac{1}{16}$ "	$\frac{1}{16}$ "	"R" pattern, Front .. ..	BARFA	22	9.979
213R/F2	5"	$\frac{5}{16}$ "	"R" pattern, Front .. ..	BARFB	23	10.433
213R/F3	5 $\frac{1}{2}$ "	$\frac{5}{16}$ "	"R" pattern, Front, extra long	BARFC	25	11.340
213R/R1	6"	$\frac{5}{16}$ "	"R" pattern, Rear .. ..	BARRA	32	14.515
213R/R2	6 $\frac{1}{2}$ "	$\frac{5}{16}$ "	"R" pattern, Rear, extra long	BARRB	34	15.422
213R/R3	6 $\frac{1}{2}$ "	$\frac{3}{8}$ "	"R" pattern, Rear, Flatted Spindle .. ..	BARRC	40	18.144
213J/F1	4"	$\frac{3}{16}$ "	Juvenile, Front .. ..	BAJFA	23	10.433
213J/F2	4 $\frac{1}{2}$ "	$\frac{3}{16}$ "	Juvenile, Front, extra long ..	BAJFB	24	10.886
213J/R1	5 $\frac{1}{2}$ "	$\frac{3}{16}$ "	Juvenile, Rear .. ..	BAJRA	26	11.794
213J/R2	5 $\frac{3}{4}$ "	$\frac{3}{16}$ "	Juvenile, Rear, extra long ..	BAJRB	27	12.247

All spindles and nuts are finished in imitation chrome plate.

Locknuts and washers fitted to order.

Special or collared cones fitted to order; see page 15.

# HUB SPARE PARTS

Radnall's Hub Cones are precision turned from first grade steel bars, and fully heat treated under controlled conditions to obtain maximum life.



No 227 A



No 227 CA



No 229 A



No 230 A



No 229 CA/77



No 231 A/67

Cat. Ref.	Wks. No.	Description
227P	1P	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front, Standard, Plain.
227A	1A	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front, Standard, Adjusting (illustrated).
228P	2P	$\frac{5}{16}$ " $\times$ 26 T.P.I., Rear, Standard, Plain.
228A	2A	$\frac{5}{16}$ " $\times$ 26 T.P.I., Rear, Standard, Adjusting.
227CP	3P	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front, Collared, Plain.
227CA	3A	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front, Collared, Adjusting (illustrated).
228CP	4P	$\frac{5}{16}$ " $\times$ 26 T.P.I., Rear, Collared, Plain.
228CA	4A	$\frac{5}{16}$ " $\times$ 26 T.P.I., Rear, Collared, Adjusting.
229P	5P	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front, Raleigh pattern, Plain.
229A	5A	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front, Raleigh pattern, Adjusting (illustrated).
230P	6P	$\frac{5}{16}$ " $\times$ 26 T.P.I., Rear, Raleigh pattern, Plain.
230A	6A	$\frac{5}{16}$ " $\times$ 26 T.P.I., Rear, Raleigh pattern, Adjusting (illustrated).
229CS/77	7S	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front, Collared, Raleigh pattern, Slotted.
229CA/77	7A	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front, Collared, Raleigh pattern, Adjusting (illustrated).
231S/67	8S	$\frac{5}{16}$ " $\times$ 26 T.P.I., Rear, Raleigh pattern, Slotted.
231A/67	8A	$\frac{5}{16}$ " $\times$ 26 T.P.I., Rear, Raleigh pattern, Adjusting (illustrated).
227DP/68	9P	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front, .6" deep, Plain.
227DA/68	9A	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front, .6" deep, Adjusting.
228DP/69	10P	$\frac{5}{16}$ " $\times$ 26 T.P.I., Rear, .625" deep, Plain.
228DA/69	10A	$\frac{5}{16}$ " $\times$ 26 T.P.I., Rear, .625" deep, Adjusting.
226P	11P	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front and Rear, Juvenile, Plain.
226A	11A	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front and Rear, Juvenile, Adjusting.
232P	12P	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front, "P" pattern, Plain ( $\frac{1}{16}$ " O/D).
232A	12A	$\frac{5}{16}$ " $\times$ 26 T.P.I., Front, "P" pattern, Adjusting ( $\frac{1}{16}$ " O/D).

## HEXAGON NUTS

Cat. Ref.	Size	T.P.1.	A/C Flats	Thickness	Application
424/1	$\frac{3}{8}$ "	26	.601"	$\frac{1}{4}$ "	Rear Hubs, Spindles.
424/2	$\frac{3}{8}$ "	26	.601"	$\frac{1}{8}$ "	Lock Nuts, Hubs, Spindles.
424/3	$\frac{5}{16}$ "	26	.525"	$\frac{1}{4}$ "	Front Hubs, Spindles.
424/4	$\frac{5}{16}$ "	26	.525"	$\frac{1}{8}$ "	Lock Nut, Hubs, Spindles.
424/5	$\frac{1}{2}$ "	26	.445"	$\frac{1}{4}$ "	Caliper Brake Centre Bolt.
424/6	$\frac{1}{2}$ "	26	.338"	$\frac{3}{16}$ "	Chain Adjusters.
424/7	$\frac{1}{2}$ "	30	.338"	$\frac{3}{16}$ "	Caliper and Roller Levers, Cable Pinch Bolt and Adjusters.
424/8	$\frac{7}{32}$ "	30	.338"	$\frac{3}{16}$ "	Draw Bolt, Brake Shoes.
424/9	$\frac{3}{16}$ "	32	.338"	$\frac{3}{16}$ "	Brake Work, Brake Shoes.

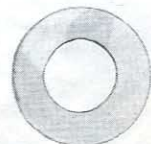
Imitation chrome plated.



## WASHERS

Cat. Ref.	Size	O/D	S.W.G.
416/1	$\frac{1}{2}$ "	1"	17
416/2	$\frac{7}{16}$ "	$\frac{7}{8}$ "	17
416/3	$\frac{3}{8}$ "	$\frac{3}{4}$ "	17
416/4	$\frac{5}{8}$ "	$\frac{3}{4}$ "	17
416/5	$\frac{1}{2}$ "	$\frac{1}{2}$ "	17
416/6	$\frac{3}{4}$ "	$\frac{3}{4}$ "	18
416/7	$\frac{1}{2}$ "	$\frac{1}{2}$ "	18

Imitation chrome plated.



# HUB ATTACHMENTS



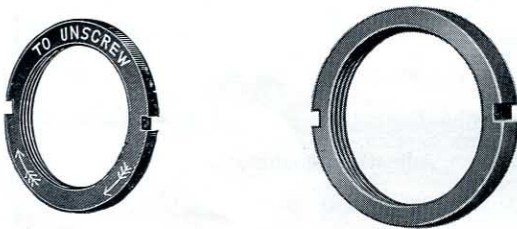
254/12, 13, 14, 15, 16, 17, 18, 19 and 20  
Reference Number followed by the number of  
teeth.

## HUB SPROCKETS

Are manufactured from the finest cold rolled steel, suitable for  $\frac{1}{2}'' \times \frac{1}{8}''$  chains, and plated in imitation chrome plate. 18, 19 and 20 tooth sprockets have elongated holes for lightness. When ordering please state the Catalogue Reference Number, followed by the number of teeth required.

Code word: SPROK.

Nett weight : 254/16 1 gross=18 lb.; 8.165 kg.



190                      191

## HUB SPROCKET LOCK RINGS

For use with the 254 range of sprockets, made from cold rolled steel and imitation chrome plated. The 191 small diameter lock ring for use with 12 tooth sprockets only.

Code word: BIJOL.

Nett weight : 190 1 gross=5 lb. 8 oz.; 2.494 kg.

191 1 gross=2 lb. 9 oz.; 1.162 kg.



$\frac{5}{16}''$	182F	183F	184F
$\frac{3}{8}''$	182R	183R	184R

## WING NUTS

These three types are made from zinc alloy in  $\frac{5}{16}''$  and  $\frac{3}{8}'' \times 26$  T.P.I. sizes. The 182 is finished in imitation chrome plate, the 183 and 184 are chromium plated.

Nett weight: 182 1 gross=7 lb. 8 oz.; 3.402 kg.

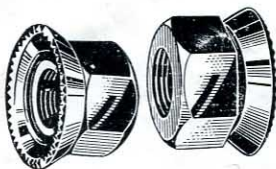
183 1 gross=7 lb. 8 oz.; 3.402 kg.

184 1 gross=8 lb. 4 oz.; 3.742 kg.

Code word: 182 CUEAT.

183 DEDLA.

184 RACAT.



180 ( $\frac{5}{16}''$ )                      181 ( $\frac{3}{8}''$ )

## TRACK NUTS

Manufactured from first grade hexagon steel bar in  $\frac{5}{16}''$  and  $\frac{3}{8}'' \times 26$  T.P.I. sizes, finished in high deposit chromium plate.

Nett weight: 180 1 gross=1 lb. 10 oz.; .727 kg.

181 1 gross=1 lb. 14 oz.; .850 kg.

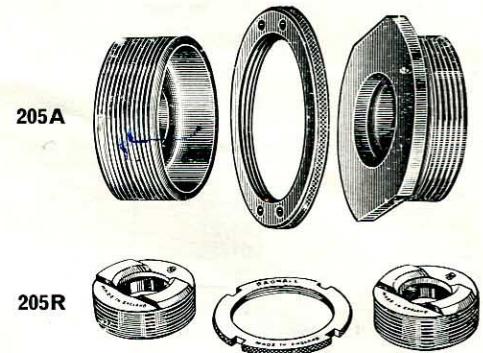
Code word: 180 BEDOD.

181 BEING.



# BOTTOM BRACKET PARTS

All Radnall's Bottom Bracket Parts are manufactured from the finest quality steel bars, accurately machined to precision limits and heat treated and hardened under controlled conditions, to give maximum strength and long life. For lasting finish all our cups and axles are imitation chrome plated, and the lock rings are in high deposit chromium plate. Marked "Made in England."



Nett weight: 1 gross sets.

**205A** 35 lb.; 15.876 kg.

**205B** 38 lb.; 17.236 kg.

**205R** 28 lb.; 12.7 kg.

Code word: **205A** BELAT.

**205B** DEEPA.

**205R** RACUP.

Cat. Ref.	Depth	Thread		Type
		Size	Screwed	
<b>205A/1</b>	$\frac{9}{16}$ "	24 T.P.I.	R.H.	Plain.
<b>205A/2</b>	$\frac{9}{16}$ "	24 T.P.I.	L.H.	Flanged.
<b>205A/3</b>	—	24 T.P.I.	R.H.	Lock Ring.
<b>205B/1</b>	$\frac{11}{16}$ "	24 T.P.I.	R.H.	Plain.
<b>205B/2</b>	$\frac{11}{16}$ "	24 T.P.I.	L.H.	Flanged.
<b>205B/3</b>	—	24 T.P.I.	R.H.	Lock Ring.
<b>205R/1</b>	$\frac{1}{2}$ "	26 T.P.I.	R.H.	Spanner Flats.
<b>205R/2</b>	$\frac{1}{2}$ "	26 T.P.I.	L.H.	Spanner Flats.
<b>205R/3</b>	—	26 T.P.I.	R.H.	Lock Ring.

**Note.**—Flanged cup with L.H. thread is fitted to the R.H. side of bicycle and plain cup with R.H. thread is fitted to L.H. side of bicycle.

Nett weight: 1 dozen.

**200/4** 5 lb. 12 oz.; 2.608 kg.

**195/R** 6 lb. 4 oz.; 2.835 kg.

**195/RS** 6 lb. 1 oz.; 2.750 kg.

Code word: **200/4** BEUDO.

**195/R** ACEME.

**195/RS** BIFDY.



**195/R**

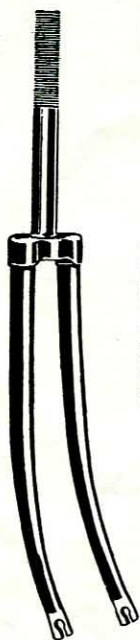
**No. 200/4 STANDARD AXLE**, with G.C.C. for cotterless brackets.

**No. 195/R "R" PATTERN ROADSTER**, with G.C.C. for cotterless brackets, similar to Raleigh pattern A.8.

**No. 195/RS "R" PATTERN SPORTS**, with G.C.C. for cotterless brackets. similar to Raleigh pattern A.16.

Marked "Made in England."

# FORKS

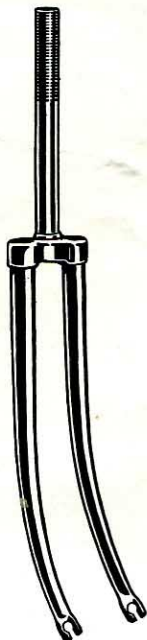


No.201

Cat. Ref.
201/14* 201/16* 201/18*
201/20 201/24 201/26 201/27 201/28

**No. 201** Standard Roadster Front Fork.

\*Juvenile columns  $\frac{7}{8}$ " x 24 T.P.I. 7" long from top of crown, threaded 3" down.

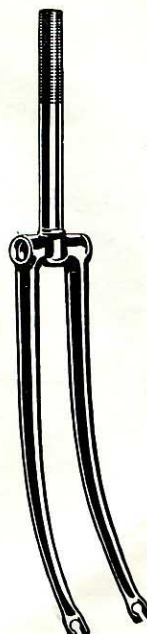


No 201 'B'

Cat. Ref.
201B/26 201B/28

**No. 201B** Balloon or Carrier pattern Front Fork.

Constructed from heavy gauge material.

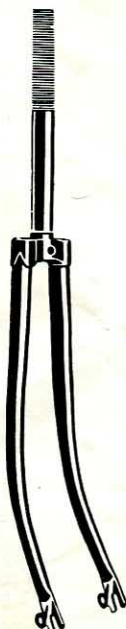


No 201 'T'

Cat. Ref.
201T/26 201T/28
201TS/26 201TS/28

**No. 201T** Tubular pattern Front Fork, chromium plated crown end cups.

**No. 201TS** This Fork is identical to the **No. 201T**, but with the addition of mudguard eye attachments.



No.201 'S'

Cat. Ref.
201S/26 201S/27 201S/28

**No. 201S** Sports pattern Front Fork with "cutaway" crown, and fitted with mudguard eye attachments.



No 201 'L'

Cat. Ref.
201L/26 201L/27 201L/28

**No. 201L** Long Taper Racing pattern Front Fork, built up with "cutaway" crown, solid machined fork ends and mudguard eye attachments.

Radnall's forks are constructed from butted steering columns, 16 gauge to 11 gauge and threaded 1" x 24 T.P.I. They measure 9" from the top of the crown, and the thread is 4" long, making them suitable for cutting down to 5", 6", 7" and 8" heads.

All types of forks finished in black enamel.

**When ordering please state our full reference numbers**, as these refer to the type number followed by the wheel size.

Coloured enamel and lining extra—see price list.



**No. 457**

**HEXAGON LOCK NUT**

1"×24 T.P.I., chrome plated.

*Nett weight:* 1 gross=4 lb. 3 oz.; 1.899 kg.

*Code word:* BIRSE.



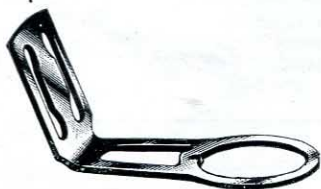
**No. 218**

**STANDARD LUG RACE**

Suits  $\frac{1}{8}$ " ball bearings, self colour.

*Nett weight:* 1 gross=5 lb.; 2.268 kg.

*Code word:* BOBOK.



**No. 221**

**POPULAR LAMP BRACKET**

12 gauge, chrome plated.

*Nett weight:* 1 gross=11 lb.; 4.990 kg.

*Code word:* CEDOL



**No. 453**

**SCREWED RACE**

1"×24 T.P.I., chrome plated.

*Nett weight:* 6 lb. 14 oz.; 3.118 kg.

*Code word:* BACIJ.



**No. 455**

**TOP HEAD RACE SEATING**

Suits  $1\frac{1}{4}$ "×20 gauge tubing, chrome plated.

*Nett weight:* 1 gross=6 lb.; 2.722 kg.

*Code word:* TRACE



**No. 456**

**BOTTOM HEAD RACE SEATING**

Suits  $1\frac{1}{4}$ "×20 gauge tubing, chrome plated.

*Nett weight:* 1 gross=7 lb. 6 oz.; 3.345 kg.

*Code word:* BRACE.



**No. 223**

**EXTENDED LAMP BRACKET**

4" extension. 10 gauge, chrome plated.

*Nett weight:* 1 gross=23 lb.; 10.433 kg.

*Code word:* LOLAM.



**No. 454**

**COLLARED SCREWED RACE**

1"×24 T.P.I., chrome plated.

*Nett weight:* 1 gross=9 lb. 1 oz.; 4.111 kg.

*Code word:* BEMJE.



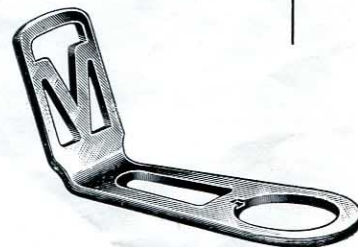
**No. 219**

**CROWN BALL RACE**

Suits  $\frac{1}{8}$ " ball bearings, imitation chrome plated.

*Nett weight:* 1 gross=3 lb. 13 oz.; 1.729 kg.

*Code word:* BOBLE.



**No. 222**

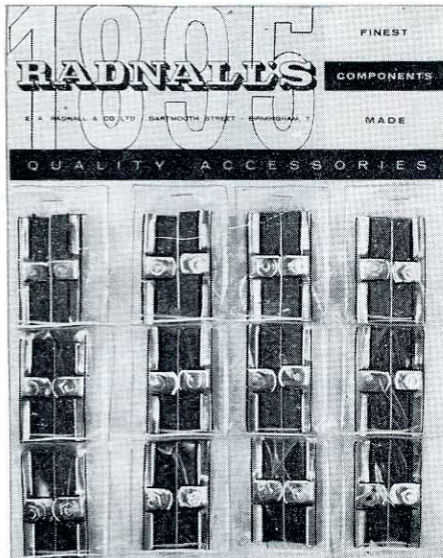
**STANDARD LAMP BRACKET**

10 gauge, chrome plated.

*Nett weight:* 15 lb. 8 oz.; 7.030 kg.

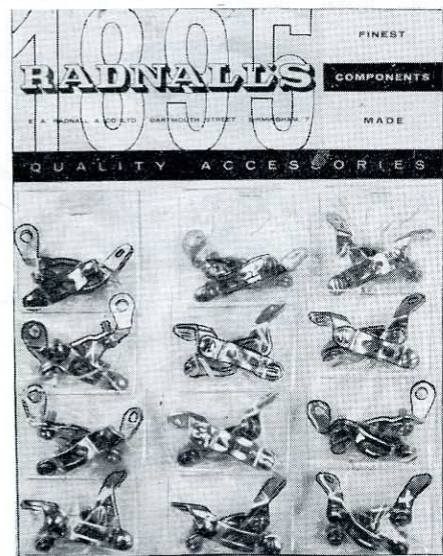
*Code word:* CAUSE.

# CARDED PRODUCTS



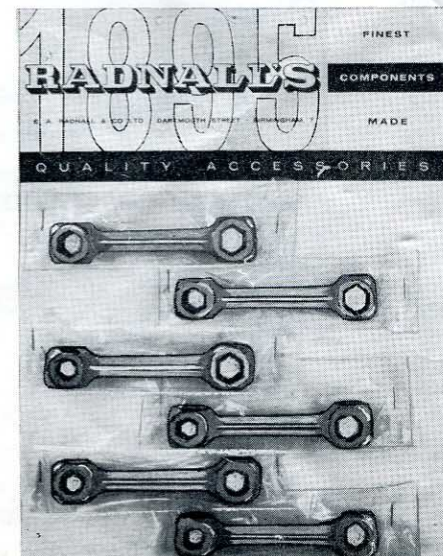
## BRAKE SHOES COMPLETE

Cat. Ref.	Quantity per Card	Item
70/460	12 pairs	Standard Roadster Shoes.
70/693	12 pairs	Standard Caliper Shoes.
70/460R	12 pairs	Raleigh type Roadster Shoes.
70/693R	12 pairs	Raleigh type Caliper shoes.
70/460R	12 pairs	Juvenile Roadster Shoes.



## FORK CLIPS COMPLETE

Cat. Ref.	Quantity per Card	Item
70/462/1	12 pairs	Standard 7/8" D.
70/462/2	12 pairs	Standard 1 1/8" D.
70/462/3	12 pairs	Standard 1 1/4" round.



## SPANNERS

Cat. Ref.	Quantity per Card	Item
70/468	6 only	Dumb-bell, 10-way.
70/468/A	6 only	Dumb-bell, 10-way with screwdriver.
70/412	6 only	Dumb-bell, 6-way.
70/465	6 only	Universal, 8-way.
70/466	6 only	Surefit Box.
70/467	6 only	Patent Peg.
70/411	6 only	Standard Peg.
70/413	6 only	Surefit 5-hole.

## BALL BEARINGS

Cat. Ref.	Quantity per Card	Item
70/500/1	24 packs of 63	1/8 in. Ball Bearings.
70/500/2	24 packs of 50	5/32 in. Ball Bearings.
70/500/3	24 packs of 30	3/16 in. Ball Bearings.
70/500/4	24 packs of 22	1/4 in. Ball Bearings.

# CARDED PRODUCTS

## WING NUTS

Cat. Ref.	Quantity per Card	Suitable for
70/182F	12 pairs	$\frac{5}{16}$ " spindles.
70/182R	12 pairs	$\frac{3}{8}$ " spindles.
70/183F	12 pairs	$\frac{5}{16}$ " spindles.
70/183R	12 pairs	$\frac{3}{8}$ " spindles.
70/184F	12 pairs	$\frac{5}{16}$ " spindles.
70/184R	12 pairs	$\frac{3}{8}$ " spindles.

## TRACK NUTS

Cat. Ref.	Quantity per Card	Suitable for
70/180	12 pairs	$\frac{5}{16}$ " spindles.
70/181	12 pairs	$\frac{3}{8}$ " spindles.

## CHAIN ADJUSTERS

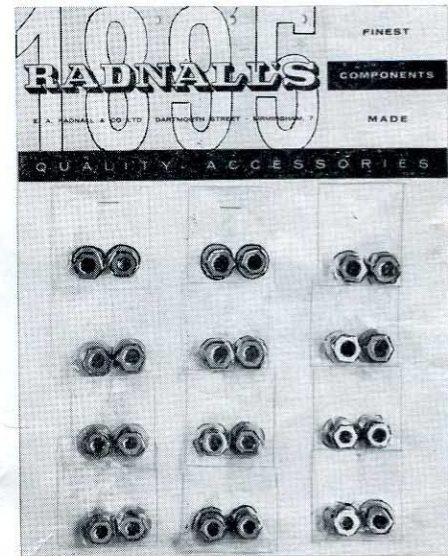
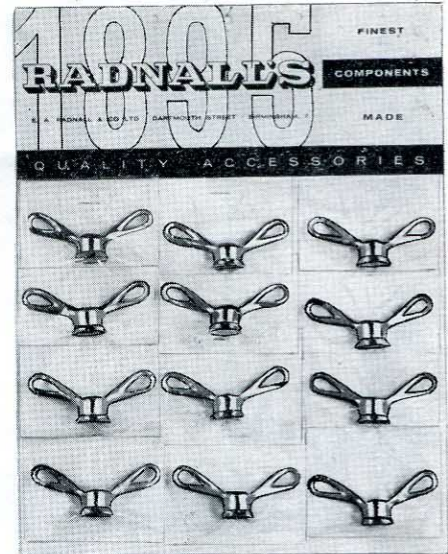
Cat. Ref.	Quantity per Card	Suitable for
70/211	12 pairs	$\frac{3}{8}$ " spindles.

## CRANK COTTERS

Cat. Ref.	Quantity per Card	Suitable for
70/203	12 pairs	All models.

## TYRE LEVERS

Cat. Ref.	Quantity per Card	Suitable for
70/470	4 sets of 3	All models.
70/469	4 sets of 3	All models.



# SPANNERS

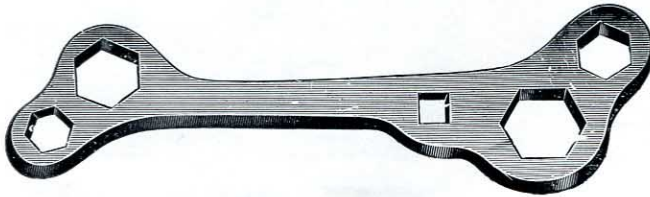


Cat. Ref.
<b>468</b> Spanner
<b>468A</b> Screwdriver Attachment

"Dumb-bell" 10-way Spanner, will fit all standard cycle size nuts.

*Nett weight per gross:*  
**468** 28 lb.; 12.701 kg.  
**468A** 3½ lb.; 1.588 kg.

*Code word:* BICUR.

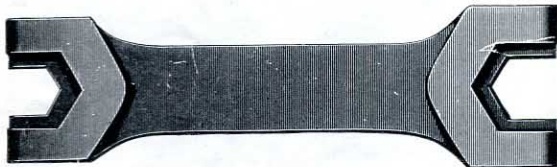


Cat. Ref.
<b>413</b>

"Surefit" 5-hole Spanner, manufactured from 13 gauge steel and imitation chromium plated.

*Nett weight per gross:*  
 11 lb.; 4.990 kg.

*Code word:* CINED.

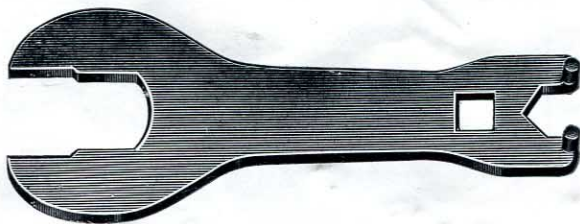


Cat. Ref.
<b>466</b>

"Surefit" Box Spanner. Manufactured from 11 gauge steel and finished in imitation chrome plate.

*Nett weight per gross:*  
 17 lb.; 7.711 kg.

*Code word:* CHITZ.



Cat. Ref.
<b>411</b>

Standard pattern Peg Spanner, imitation chrome plated.

*Net weight per gross:*  
 12 lb.; 5.443 kg.

*Code word:* CHOPS.



Cat. Ref.
<b>469</b>

Tyre Lever, pressed from 16 gauge cold rolled steel, imitation chrome plated.

*Nett weight per gross:*  
 6½ lb.; 2.948 kg.

*Code word:* COJEB.

# SPANNERS

"Radco" Socket Spanner Set. This competitive set comprises 6 steel sockets and a handy hexagon wrench, plated and packed in a yellow enamelled steel box. Socket sizes:  $\frac{1}{8}$ " -  $\frac{7}{16}$ ". B.S.W./B.S.F./B.S.C.

Nett weight per dozen: 8 lb. 4 oz.; 3.742 kg.

Code word: SOKET.

Cat. Ref.
<b>480</b>

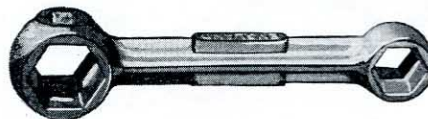


"Dumb-bell" 6-way Spanner, suitable for cycle size nuts.

Nett weight per gross: 17 lb.; 7.711 kg.

Code word: CHUBY.

Cat. Ref.
<b>412</b>

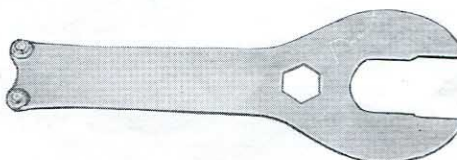


Patent Peg Spanner, fitted with cold formed steel pegs, manufactured from 16 gauge hard material for easy adjustment of cones.

Nett weight per gross: 8 lb.; 3.629 kg.

Code word: CHOIR.

Cat. Ref.
<b>467</b>

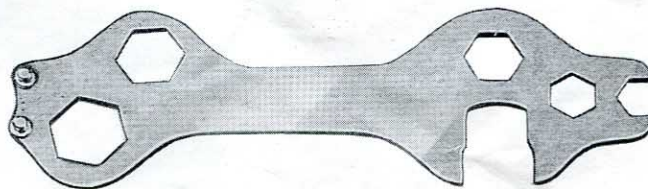


"Universal" Spanner. 8-way nut, peg and cone spanner, will fit all nuts, front and rear cones, peg holes in bracket cups and lock rings, finished in imitation chrome plate.

Nett weight per gross: 19 lb.; 8.618 kg.

Code word: BICIS.

Cat. Ref.
<b>465</b>



Tyre Lever. Solid forged pattern, imitation chrome plated.

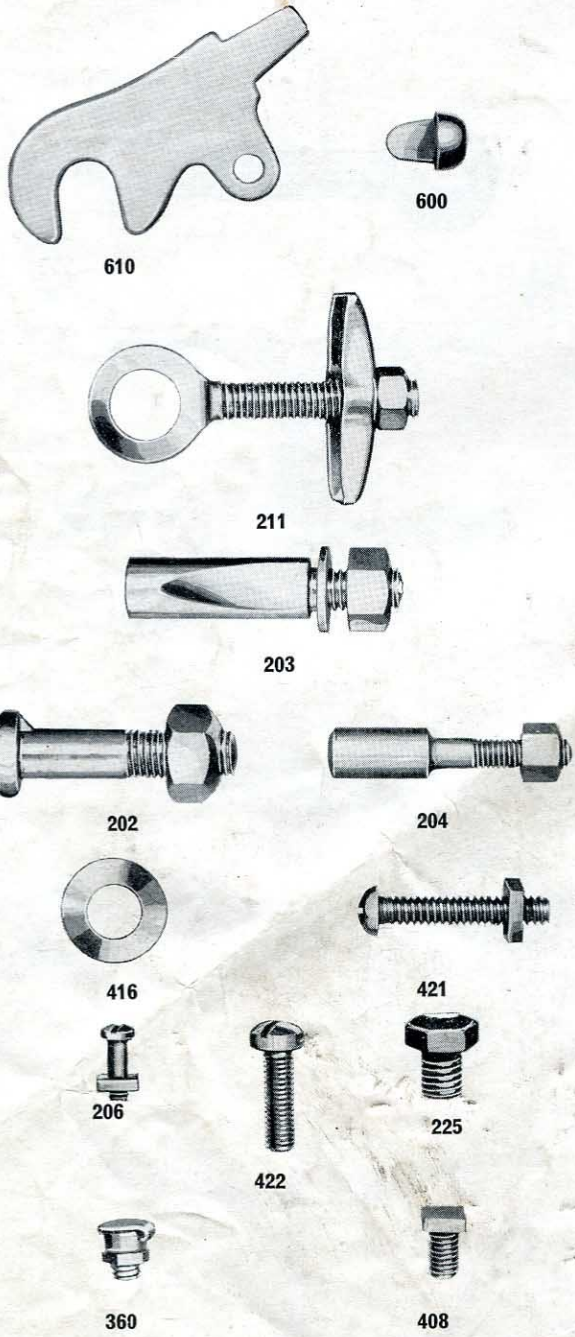
Nett weight per gross: 11 lb.; 4.990 kg.

Code word: CENUR.

Cat. Ref.
<b>470</b>



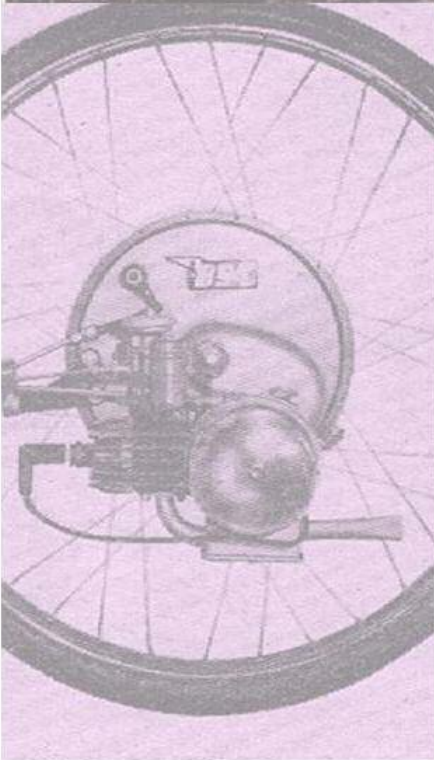
# MISCELLANEOUS



Cat. Ref.	Description
610	Fork End, drop out type, tapped $\frac{3}{16}'' \times \frac{3}{8}''$ T.P.I.
600	Cable Stops, brazed on type.
211	Standard Chain Adjusters, suitable for $\frac{3}{8}''$ spindles, imitation chrome plated.
203	Standard $\frac{3}{8}''$ Crank Cotter, nickel or chrome plated.
202/1	$1'' \times \frac{5}{16}''$ Seat Pins and Nuts, chrome plated.
202/2	$1\frac{1}{8}'' \times \frac{5}{16}''$ Seat Pins and Nuts, chrome plated.
202/3	$1\frac{1}{4}'' \times \frac{5}{16}''$ Seat Pins and Nuts, chrome plated.
202/4	$1\frac{3}{8}'' \times \frac{5}{16}''$ Seat Pins and Nuts, chrome plated.
202/5	$1\frac{1}{2}'' \times \frac{5}{16}''$ Seat Pins and Nuts, chrome plated.
202/6	$1\frac{3}{4}'' \times \frac{5}{16}''$ Seat Pins and Nuts, chrome plated.
202/7	$2'' \times \frac{5}{16}''$ Seat Pins and Nuts, chrome plated.
204	Bracket Cotter, $\frac{5}{16}''$ , plated.
416	Washers, see page 15.
421/1	$\frac{1}{2}'' \times \frac{3}{16}''$ Mudguard Pins and Nuts.
421/2	$\frac{5}{8}'' \times \frac{3}{16}''$ Mudguard Pins and Nuts.
421/3	$\frac{3}{4}'' \times \frac{3}{16}''$ Mudguard Pins and Nuts.
421/4	$1'' \times \frac{3}{16}''$ Mudguard Pins and Nuts.
421/5	$1\frac{1}{4}'' \times \frac{3}{16}''$ Mudguard Pins and Nuts.
421/6	$1\frac{1}{2}'' \times \frac{3}{16}''$ Mudguard Pins and Nuts.
421/7	$1\frac{3}{4}'' \times \frac{3}{16}''$ Mudguard Pins and Nuts.
206/1	Chain Pins and Nuts, suitable for $\frac{1}{2}'' \times \frac{1}{8}''$ chains.
206/2	Chain Pins and Nuts, suitable for $\frac{1}{2}'' \times \frac{3}{16}''$ chains.
422/1	$\frac{1}{2}'' \times \frac{3}{16}''$ Fork Clip Pins, 32 T.P.I.
422/2	$\frac{5}{8}'' \times \frac{3}{16}''$ Fork Clip Pins, 32 T.P.I.
225/1	$\frac{3}{8}'' \times \frac{3}{16}''$ Fork End Pins.
225/2	$\frac{3}{8}'' \times \frac{1}{4}''$ Fork End Pins.
360/1	$\frac{3}{16}''$ Lubricators, "Lift up lid" type, plated.
360/2	$\frac{1}{4}''$ Lubricators, "Lift up lid" type, plated.
408/1	$\frac{1}{4}'' \times \frac{3}{16}''$ Chain Wheel Screws.
408/2	$\frac{5}{16}'' \times \frac{3}{16}''$ Chain Wheel Screws.
500/1	$\frac{1}{8}''$ Ball Bearings.
500/2	$\frac{5}{32}''$ Ball Bearings.
500/3	$\frac{3}{16}''$ Ball Bearings.
500/4	$\frac{1}{4}''$ Ball Bearings.



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