

AIDS to HAPPY CYCLING 1955

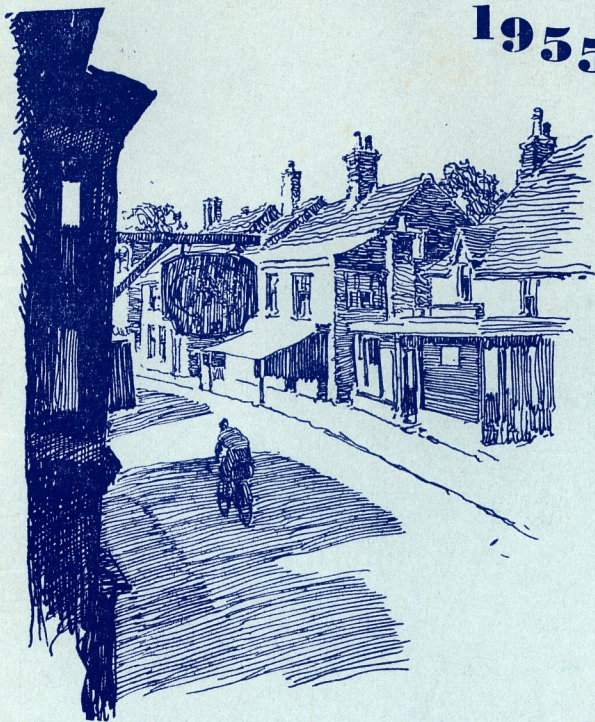


Illustration by kind permission of The Cyclists Touring Club

W. F. (SANDY) HOLDSWORTH



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W. F. (Sandy) HOLDSWORTH

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'Phone: PUT 1060

AIDS TO HAPPY CYCLING

31ST EDITION

A **CONCISE** guide to the latest and best equipment for 1955.

This list is presented in its convenient size in order that you may have it handy for reference at all times.

Holdsworth's unique connections on the Continent and his knowledge of the British market combine to produce what is, without doubt, the most comprehensive and reliable list of Cycle Clothing and Equipment.

We regret we must state that owing to present conditions, *prices are liable to alteration without notice. All prices include Tax in the few cases where payable.*

CLOTHING

ANKLE SOCKS

(Elastic Tops—Nylon Spliced)

RICHELIEU. The latest fancy-knit heavy cotton sock. Good length. In white only. All sizes ... 5/6

FAUSTO. The Continental Pursuit sock with extra length, worn by the world's most prominent riders. Fine rib ... 3/6

RAYON MIXTURE. White ... 2/-

BERETS

These are genuine Cyclist's Berets. Patterned on the Basque style with close-fitting 9" crown. Leather sweat band. All Wool. In Wine, Marine, Olive, Nigger and Black. Three sizes ... 5/11

WORTHY RACING CAPS

NEW "CASQUETTE"



As used all over the Continent. Elastic at back to fit head, short stitched peak. In all-white finish or white with brightly coloured centre piece. The shrunk drill and fast colours will withstand many washings and your Casquette will always look smart. Three sizes 2/11 each



CAPE

QUELDA. Holdsworth's Popular Plastic Cape with welded seams and spot welded thumb loops. The material is *really* tough and is nearly untearable. All seams are welded so that there is no stitching to cause leaking or weakness. It is fitted with zip, set diagonally with tag to prevent tearing. Zip has also cover to stop wet seeping through. *Ventilated* back (welded) to lay the condensation bogey. Of course, it's my specially full cut style. In Gold or Matt Black. Size 45", Hem 135". Weight 14 ozs. ... 24/-



SPECIAL "JUNIOR". Lighter plastic, welded, 39", gold only 16/11

"STORM CHEETAH". Plastic, Satin finish. Gold or Black. 45" Standard 19/6. Oversize 21/-.

SOU'WESTERS

In plastic, waterproof and light, Gold or Black. Sizes 6 $\frac{3}{4}$ " and 7" 4/9

QUEL-SPATS (*As illustrated*)

At last the ideal weather protection. Elastic under knee. Full protection right around leg. Press-stud fastening reinforced with spot-welded backing. Plastic under-strap. Gold only pair 9/11

QUELDA LEGGINGS

Sturdy leggings with gusset opening fitted press-studs which are set in welded plastic washers to prevent pulling away. Reinforced over instep. Gold only ... 19/9 pair

RACING APRON (or Capette)

In light and transparent plastic the "DRY-BACK" fits over the shoulders and fastens with tapes at sides. Having no sleeves, it does not cause undue perspiration but keeps the body dry and warm. As used in Tour of Britain. ... 7/6



RACING WEAR

CRASH HATS

EMPIRE CHAMPION. As illustrated. Note special frontal protection. In tan leather with cream piping and cream inside. Twin straps. N.C.U. approved. Three sizes ... 37/-

SIX DAY pattern. Streamlined in dark tan leather. Twin straps. Three sizes ... 31/6

CASQUE FAUSTO. Genuine Italian Pursuit or Massed Start crash hat. As worn by the "Master" when mixed up in the peloton. Light leather over sponge rubber bar, cork cored, combining strength with cushioning effect. Chromed leather to absorb perspiration. Weight 5½ ozs. It can be folded and put in your pocket when you have broken away. Rich tan and some other colours. Continental sizes 54—60 ... 29/11

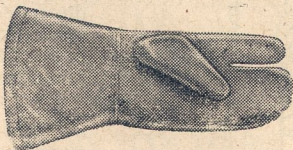


WORTHY GLOVES

BAG MITT (thumb only) with elastic at wrist No. 9070. Tan, Black or Cream leather. Warm lining 14/3 Ditto in Natural sheepskin with fleece turned inside. Very warm. Three sizes 19/11

GAUNTLET. In guaranteed solid hide. Dark tan, separate forefinger. Warm

lined throughout, soft gauntlett which effectively prevents the cold creeping up your arm. Four sizes: Ladies', Men's, Small, Medium and Large ... 21/-



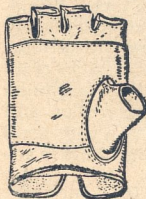
WORTHY RACING GLOVES

For track or road. *An essential item for the enthusiast.* Correctly placed strengthening patch fitted to take wear.

"ITALIA". Latest Italian design with hand-crocheted cutaway backs of special pattern to give stretch across knuckles when grasping the bend. Sized half-fingers. Dark Tan reinforced palms with press-button fastening. These are definitely the "gen" articles. Sizes 6½—10½ ... 21/- pair

Cream Hide. For hardwear, half-fingers stepped in sizes as illustrated. Ventilation holes punched in back. Sizes 6½—10½ ... 13/11 pair

Black and White. Soft white leather with black reinforcements on palms and black piping. Very smart and light. Stepped fingers and perforations on backs. Sizes 7—10 ... 11/8 pair



SUN SPECS AND GOGGLES

NUPROSAL SUN SPECS. Genuine Crookes Tinted Lenses set in narrow gilt frames. Ample size 10/6

BINDA GOGGLES. An efficient eye protector indispensable for racing and touring. Alloy frames, pneumatic rubber edges, ventilated, clear or tinted anti-dazzle celluloid lenses, elastic tapes 4/6

DE LUXE pattern. Flat, white, sponge rubber ... 5/6

JACKETS

The "**EVEREST**". In Maroon or Bottle Green. Cravenette proofed with check lining throughout. Ample cut across shoulders to prevent "pull". Full length zip. Gathered elastic at hips.



Ladies and gents' 32" to 42" chests. With two large zipped pockets (as illustrated) 49/6

With two additional capacious lower pockets and elastic brought further round front, giving "flare" effect.

54/6

All zips have tags fitted for easy manipulation.

The "**COMBAT**". Modelled upon the American style



Combat Jacket adapted to cyclists' wear. Proofed Gabardine with lightweight woollen tartan lining. Wide shoulders and box pleated back giving extreme latitude for all stretch across the back. Full zip front protected by buttoned overflap with storm collar and two-button cuffs. Two good pockets and strap and buckle adjustment at hips. In popular Black or Maroon. Sizes 36", 38", 40", 42". 55/-

The "LABRADOR" hip-length Jacket. In heavy grade Proofed Gabardine Olive Green lined throughout in fancy check material. Turnover collar and full open-end zip. Note the capacious pockets behind which are swagger pockets, for use when walking (in same style as U.S.A. Navy Jackets). Good length and ample room across shoulders. Side straps. Produced with a view to meeting all requirements. Sizes 32" to 42". 59/11



Lighter weight hip-length jacket in light fawn proofed Gabardine. Full-length zip. Two large, slanted zip pockets. Elastic gathers on hips to prevent riding up. 34/6

In Melton Cloth. Warm and cosy. Full zip. Two pockets with flaps. In dark blue, maroon or bottle green. Three sizes 29/11

WAIST LENGTH JACKETS in light fawn proofed Gabardine. Broad elastic at waist. Full zip, button cuffs. Two good pockets Unrepeatable value 15/6



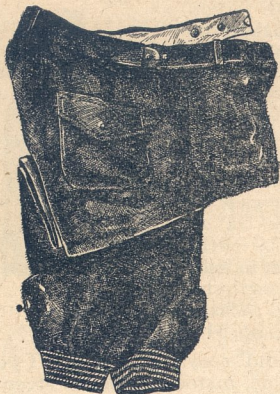
WORTHY PLUS FOURS YORKSHIRE TWEEDS

These tweeds are selected for their pleasing appearance and hardwearing qualities. In a variety of Browns, Blues and Greens.

Generously cut and fitted with double seat, three pockets (side pockets are slant opening), belt loops, brace buttons and strap-over extended waistbands. They are stocked in all sizes from 30" to 38" waists pair 49/6

Ladies, with side zip, 24" to 32" 52/6

BESPOKE MADE-TO-MEASURE PLUSSES. First class tailor-made to your own measurements. Send for patterns, prices and self measurement form.



PANTALONS de PARIS. The latest introduction from Paris where this most practical garment has found great favour. These Continental Plus-fours are cut on closer lines and have less fall-over than the true Plus-four. As a result the garment is kept clear of the chain and does not catch the wind or wet. Under the knee a wide elasticated band takes the place of the usual strap and buckle. These "Pantalons" are cut from smooth twill materials; have three pockets, adjustable elastic backs, belt loops and also brace buttons. In popular Black, Dark Brown or Blue.

Gent's 30"—36"

Ladies 24"—28"

45/-

TROUSER/PLUSSES

One of the most practical ideas for winter and business riding. Well-cut Cycling Trousers (inside double seat, tunnel belt, three pockets) which can be converted into Continental cut Plus Fours by fastener concealed in the turn-ups. In dark brown, specially selected, velvet cord. Waists 30", 32", 34", two trouser lengths in each size.



... .. 65/-

WORTHY SHIRTS

A Cycling Shirt in good quality cotton with small check design. Neat collar which can be worn with or without tie. Long sleeves; buttoned through. Continental cut without tail for wear outside shorts if preferred. In Wine, Olive, Dark Blue or Brown. Three sizes 23/11
Black Training or Working Shirts. Long sleeves.
Close-fitting, hardwearing fabric 9/11

SHOE PLATES

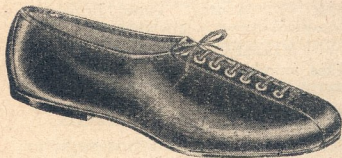
"Allez". Specially cast alloy ... 1/6 pair
Ken Russell. Rubber ... 2/-
Lewis. Light dural, very strong, will stand up to bending and blend into sole of shoe. Used by all leading riders.

WORTHY SHOES

2/3 pair

Stocked sizes 3-12 in $\frac{1}{2}$ sizes (small extra charge for size 12).

ROUTIER. French Shoes are different. No shoe made on a British last can give the perfect fit and style of its French counterpart. One glance at the curved back and small stiffened toe of the "Routier" shows the discerning cyclist the comfort that is built into these shoes. Made from specially selected soft box calf. Attractive design, sewn white with white trimmings and Continental Triangular eyelets, good sole and light heel. *N.B. These are only stocked from size 5* ... 42/6



GRAN SPORT. A new style in the "Worthy" range; suitable for racing and club-riding. The Sterling black box upper is reinforced at the ball of the foot with four rows of stitching converging into the front strapping preventing "spreading" and ensuring a close fit during the entire lifetime of the shoe. The soft stiffening, at the back of the heel provides a good grip whilst the small flexible stiffening at the tip of the toe takes

any toe-clip pressure. Good sole carried right through to heel which is of "V" formation. An excellent shoe in modern All-Black finish with gilt eyelets ... 35/9

RECORD. These shoes are such outstanding value that they have been widely copied. Compare these points in a genuine Record. Black creamed leather trimmed around top and down front opening with red leather (not plastic which has a tendency to split). Leather

insole (not composition) which enables a satisfactory repair to be made when necessary. Full light heel. **Triangular eyelets.** You can be sure of a **Genuine Record** shoe by the "Worthy" brand under the instep ... 29/9



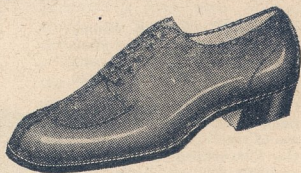


BRITISH SCHERENS

A splendidly made Shoe, lacing well upon the instep. Padded around top to prevent chafing. With tan willow calf uppers, and finest quality flexible leather sole. Very supple ... 33/9

ROUGHSTUFF. The original off-the-beaten-track shoe.

Made from fully-chromed rich tan leather. Ski pattern front and web tongue keeps all wet out. Fine solid bend sole, with narrow sewn welt. Stiffened back. Will keep out the wettest weather and stand up to the hardest wear 49/11 pair



REG HARRIS SHOES

ROAD. One piece sole with horseshoe neel. Distinctive joined front. Rolled edge, sewn inside to prevent chafing. Steel stiffener at instep ... 41/-

SPRINT "Winter" Type. Broad toe one-piece upper. Light and supple 41/-

EILEEN SHERIDAN

This rider's design for a dainty but sturdy ladies shoe. In soft black calf. 39/6

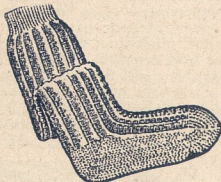


WORTHY STOCKINGS

RICHELIEU. We did not register the name "Richelieu" when introducing this stocking to this country and as a result of its great popularity some stockings have appeared under the name which are not in the Genuine French style.

The correct French Stocking is fancy-knit from top to heel and is made from strong natural cotton. They have elastic at top and are Nylon-spliced. Available in White, Grey, Blue-grey, Fawn and Chocolate. All sizes, Ladies and Gents ... 7/11 pair

ALL WOOL. Plain Turnover Tops, ribbed legs. In Dark Fawn, Lovat and Bottle Green, Maroon, Saxe Blue. Very smart ... 8/3 pair



WORTHY SHORTS



N.B. Ladies Shorts have zip one side and two side pockets.

Special attention has been given to the cut of **Holdsworth's "Worthy"** shorts. They are full cut with good rise at the back, pleated fronts, slanting pockets, hip pocket with flap button. Extended waist-band. Double seated
 Sizes: Gent's 28"—38". Ladies 24"—32".

VELVET CORD. Super quality being genuine fustian. Soft and hardwearing. Rich brown shade **46/6** pair
 Ladies **42/8** „

WHIPCORD. The original Whipcord Short with just the right amount of strength to wear well whilst not being too heavy for summer use. A boon to the hard-rider. Rich soft Brown. ... **43/-** pair
 Ladies ... **39/3** „

WORTHY GREEN CLOTH. A woven twill mixture of Wool, Rayon and Cotton. A distinctive hard-wearing short for the discriminating rider. Light weight for summer wear **37/6** pair

WORTHY RACING SHORTS

"Worthy" Racing Shorts are supreme and are undoubtably worn by the vast majority of British Racing men and women. The introduction of the new Silk Lustre Short shows our intimate knowledge of the racing man's requirements. Riders of international repute who have had an opportunity of examining these shorts have said: "Here is a Continental short at a British price".

SILK LUSTRE MATERIAL with CHAMOIS SEAT. Keeps its shape, fits closely and always looks smart. Sizes: 30", 32", 34" **32/6**
Genuine Continental Madison style. Reinforced back that will not pull away. After many attempts to obtain the right article we can positively recommend these **24/6**

WOOLLEN with CHAMOIS SEAT. Sizes: 30"—36".

Path pattern with Madison pocket **26/8**
Road pattern with long legs and extra long Chamois insert which prevents riding up and chafing. Two hip pockets **30/9**

HEAVY GRADE COTTON. Sizes: 32" and 34".

With **CHAMOIS SEAT** 14/6. With **COTTON** double seat ... **9/11**

WORTHY SWEATERS AND JERSEYS



LE PARIS. Although illustrated, we feel that no illustration can do justice to the smartness and quality of this British knitted sweater. The stitch used ensures that the garment will keep its shape and not sag. 22 ozs. in weight, this pure wool garment has a full length zip and the distinctive flat collar enables it to be worn with or without a jacket.

The collar, cuffs and wrists are trimmed with neat contrasting bands and the sweater is available in Nigger Brown, Light Navy, Austrian Maroon or Bottle Green. Sizes: 36", 38", 40" 79/11

We have added two garments made by the famous firm of Pick.

ALL WOOL "CONTINENTAL" as illustrated with small shawl collar, long sleeves and smart wide band in contrasting colours across chest. In Tobacco Brown, Bottle Green and Paton Blue. Medium size ... 35/9
Large size ... 40/-

ROLL COLLAR JERSEY. Wool with plaited back. The snug-fitting collar has a short zip. Can be worn with or without jacket. In self colours Camel, Navy, Bottle and Maroon. Men's size only ... 27/3



Tour de France. A jersey of excellent design and cut. Fine ribbed finish in pure soft wool. Quarter length sleeves and a close-fitting crew neck are set off by four quarter-inch bands of white across the chest only. Available in Navy, Maroon, and Bottle Green. Men's size only.

30/6 each

LEG WARMERS

In heavy close-rib wool, coming well up the thighs and with strap under instep. Just the thing for slipping on between races or for chilly mornings on the road. In Black ...

26/3



TRAINING SUITS

Not just an athletic track suit but one designed specially for cyclists.

The blouse has a full open-end zip; latest flat collar and contrasting colour yoke; breast pocket with buttoned flap; elastic at waist.

The legs are cut for cycling with long zips at ankles so that they keep clear of the chain when riding. They have double seat and two side pockets. Elastic at waist.

The whole is cut from strong fleecy-backed material in Black with the yoke and flap to breast pocket in Amber or Russet. In three sizes.

64/6



TRACK SUITS

The "WORTHY" has proved over the past few seasons to be of outstanding value. Ample cut with double front. Zips at ankles and neck, elastic at waist and wrists. Hip pocket. Wind resisting fleecy-backed material in Black, Maroon, Navy, Bottle Green, Royal Blue. Three sizes ...

52/6

WORTHY ROAD & MASSED START JERSEYS

With pockets front and back and short sleeves.

Wool. Close knit from fine wool. Crew neck with zip. In Italian or Belgium colours or Red, White and Blue. *Club colours to order—if less than 6 vests; 2/- each extra.* 45/6

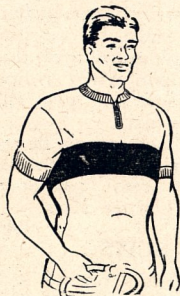
Quotations for variations in styles.

SILK LUSTRE. Smooth silky finish. Lacoste collar with zip. Sky with Royal, Emerald or Scarlet band. Black with Amber, Scarlet or Emerald band. Three sizes 35/9

HEAVY COTTON. With Crew neck. Colours as Silk Lustre 24/6
Plain colours in slightly heavier cotton. Black, Maroon, Dark Green 23/6



WORTHY RACING VESTS (Path)



SILK LUSTRE. A very attractive silky finish which fits close to the body. Short zip at "bateau" neck (see illustration) $\frac{1}{4}$ sleeves and band around chest. White with Emerald, Royal or Scarlet band. Black with Scarlet, Emerald or Amber band 22/6

HEAVY KNITTED COTTON. Woven-in band around chest. $\frac{1}{4}$ sleeves. Crew neck. Colours as Silk Lustre 13/11
Similar Vest in lighter cotton 8/11

CLUB NOTICE. Heavy Cotton Jerseys or Vests can be supplied in many combinations of colours. Silk Lustre using only the colours Sky, Royal, Maroon, Scarlet, White, Black, Amber, Emerald. Orders for minimum of 1 doz. Extra charge from 2/- a vest according to design.

ACCESSORIES and SUNDRIES

ATHLETIC BATH SALTS

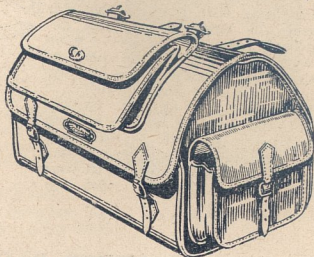
Recommended by Reg Harris 12 oz. tin 2/8

BAGS

HOLDSWORTH'S

"EVERYMAN". Made from special composition, looks like leather, wears like leather. Waterproof. Keeps shape. Two side pockets, strap fastening. Map pocket on top, turnbuckle fastening. Size of Bag: $12\frac{1}{2}$ " x $7\frac{1}{2}$ " x $8\frac{1}{5}$ ".

As illustrated 55/2



"BAYCLIFF" BAGS

In Heavy Duty Double Texture Waterproof Canvas with twill lining. The "STRONG PACK" 13 " x 9 " x $8\frac{1}{2}$ ". Two end pockets with leather bound hood flaps and fastening straps. Generous wearing piece at rear and bottom. Long straps extending over top of bag and provided with metal loops for cape straps 45/7

In best quality Leather-cloth:

The "GOODWILL". Size: 13 " x 7 " x 7 ". Two end pockets, Cape Straps and strengthening pieces at ends of carrying strip 19/2

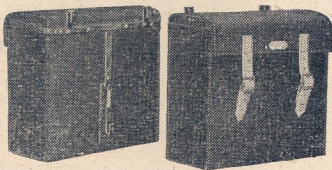
The "ROUNDER". The convenient "Roll" design 13 " x 7 " diameter. Permanently stiffened circular ends. Detachable fibre body lining. Cape strap loops 19/2

PANNIER BAGS

A method of carrying touring kit becoming more popular from year to year. "DEVONIA" Pannier Set consisting of two bags, each $11\frac{1}{2}$ " x $10\frac{1}{2}$ " x 4 ".

Two large Rear Pockets with hooded tops. Made in heavy grade black leatherette. Piped edges. Leather reinforcements to sides. Straps to flaps. Fitted with Quill Quick Release (as next page)

46/6 pair

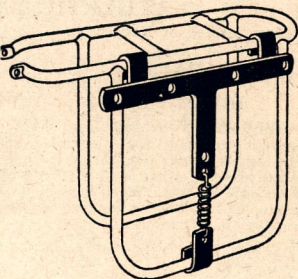


"HIGHLANDER" Set for long and hard wear. Made from heavy duty mail waterproof material, twill lined. Long fully chromed straps and chafing protections. Size overall, 12 " x 11 " x 5 ". Pockets 8 " x $4\frac{1}{2}$ " x $1\frac{1}{2}$ " (will take Maps, Touring Handbooks, etc.) fitted with hooded tops. Stout carrying handle on top of each bag. Bags with Quill Quick Release fittings for easy attachment to and removal from carrier 74/9

PANNIER BAG QUICK RELEASE

(Patent applied for)

The snag with pannier bags has been the strapping to, and detaching from the carrier—a good ten-minute job at the best of times, but when it has to be done in the dark after a muddy ride...! But with a "Quill" Quick-Release it's off or on in ten seconds. Just lift to disengage the top hooks. Supplied drilled ready to rivet or bolt on to your own pannier bags 5/6 pair



PANNIER BAG CARRIER

The "QUILL". Strong enough to carry loaded bags, but weight only 24 ozs. Platform 16" x 5". Made from best quality tubing. Enamelled jet black and fitted with adjustable cadmium plated clips, nuts and bolts. There are no sharp corners on a "Quill" pannier carrier to damage your bags 12/6

BAG SUPPORTS and CARRIERS

BROOKS. Rigid all-chrome support. Can be easily detached by wing nut 5/6

LLOYDS. The "Spring-on" support, made in two seat stay sizes $\frac{1}{2}$ " or $\frac{3}{8}$ ". Black 4/6, Chrome 5/3, Polished Alloy 5/6.

"HYLO" Adjustable, any height or angle easily obtained. Chrome finish 4/9

HANDIBAGS

Made from 5 thou' Plastic Material. Can be used as waterproof linings for Pannier Bags or to wrap any damp or wet articles such as Racing "clobber" Swimming Costumes, etc., to keep them away from dry contents in bags. Size 15" x 10" x 5" 3/6

BELLS

Continental LA CLAIRETTE. Sturdy spring ring bell. Highly polished alloy 2/6 each
Also highly polished Red, Blue, Gold, Green 3/- "

British VIC-TREE "Ping" type. Very light. Polished Alloy 1/6
Colours 1/8 each

BOTTLES

The **ALLEZ!** bottle is in a class of its own.

Spun from stout gauge aluminium, with corrugated sides, it can withstand an abnormal amount of knocking about. The diameter of $2\frac{1}{8}$ " is most convenient for the hand and all corners are rounded. The interior has been treated so as to eliminate any possibility of harmful effect on the fluid carried. An aluminium capped cork completes a first class job. Weight only 4 ozs. each.

Dull finish 4/9 each. Polished 5/3 each.

The "H" Bottle. Fits Allez or Simplex cages ... Polished 3/3 each

Spare aluminium capped corks for Allez bottles ... 6d. "

DRINKING TUBES ... 4d. "



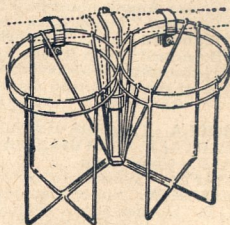
BOTTLE CARRIERS

For **ALLEZ!** Bottles

Strong galvanised wire (as illustration) Single. Handlebar or down tube fitting 4/6 each

Double ... 7/6 "

In Alloy Strip. Weight only 4 ozs. Double only 8/6 each



SIMPLEX Carriers, the famous French article. Single (Handlebar or Down Tube) 6/6 Double 8/6

BRACKET FITTINGS AND SETS

B.W. "FEATHERWEIGHT". The latest Continental type ... 5/2

CHATER-LEA Axles. $1\frac{1}{2}$ " chain-line for $\frac{1}{4}$ " balls (No. 1615) or $\frac{5}{16}$ " balls (No. 1007) ... 3/9 each

No. 1240/1 for Double Chainwheels ... 5/- "

CHATER-LEA Cups. Fixed or adjustable. Chrome 3/- "

CHATER-LEA Locking Rings ... 1/9 "

GNUTTI Standard or G.C.C. Hollow axles.

Nickel chrome steel 14/6 set. Chrome steel 11/6 set.

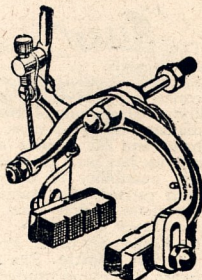
GNUTTI Cotterless spares stocked.

BRAKES

"BULLA". (As illustrated). A very smart and neat brake with the usual high standard of Italian workmanship and finish. Instantaneous quick release. Narrow stirrups. Latest check-ribbed silver cables. Levers fitted with up-to-date pattern Honking Rubbers. This brake is sturdy—it has to be to stop the Italians when crashing down the Alps!

Price, *complete with rubbers.*

37/6 pair



ALP. Famous French Brake. Quick release or "High Life" pattern. 39/- pair
WEINMANN. Quick release. Swiss precision workmanship and finish.

41/9 pair

BRITISH G.B. The British Alloy Brake which has been an outstanding success. Ample adjustment for 26" or 27".

"Coureur" Nylon Bush Pivot. **"Superhood"** Lever 40/- pair

"Standard" with **"Superhood"** ... 40/- pair

"Standard" with Racing Lever ... 38/6 pair

"Grandtour" with Nylon Bush Pivot. Tourist Lever 38/6 pair

Any of the above with extra length cable for Tandem 2/- extra

BRAKE LEVERS

BULLA. Complete with rubbers ... 7/6 each

BARTALI. **"Roi des Grimpeurs"**. Special top finger-grip 10/6 "

ALP. Continental ... 7/9 "

MAFAC. Without rubber cap 9/6. Complete ... 12/6 "

BEBOREX. Super hood with grooved finger grip ... 11/6 "

G.B. Hooded alloy. (For $\frac{1}{8}$ " and $\frac{7}{8}$ " bars) ... 7/6 "

(Available in racing or tourist pattern).

G.B. Super hood lever, thumb adjustment ... 10/- "

BRAKE BLOCKS

LA VIPERE. The celebrated "octopus" grip. Fine for wet weather. Soft or hard ... 11d.

WEINMANN STUDDER. Usual Swiss value. Red or Grey ... 10d.

SPHINX. Not too hard not too soft. Will give good wear and not harm the lightest rim ... 9d.

BRAKE SUNDRIES

"HONKING" RUBBERS

G.B. State if for the "Super hood" or ordinary ... 4/6 pair

SHOCKSTOP. Translucent. Plain ... 2/3 "

CONSTRUCTOR. Translucent. File pattern grip ... 3/9 "

CONSTRUCTOR. Lever Sleeve ... 3/- "

OUTER CASING

Best check ribbed plastic. Will not fray or crack. Silver, Red, Blue, Green, Yellow, Black, or White ... 4d. per foot

CABLE CLIPS

DUNLOP. Coloured ... 3d. each

TERRY. Chrome 1" and 1 $\frac{1}{8}$ " ... 2d. "

CHAINS

$\frac{1}{2}$ " x $\frac{1}{8}$ " COVENTRY 7/4; ELITE 9/1
 $\frac{1}{2}$ " x $\frac{3}{32}$ " BRAMPTON 10/3; PERRY 9/6; ELIOS 12/6; YELLOREX 9/6; PALLAS 7/6
 1 " x $\frac{1}{16}$ " REGINA 25/-; RENOLDS 58/9; RENOLDS Twin-roller 9/7

CHAINWHEEL SETS (Single)

WILLIAMS C34. Sturdy design 3-pin $\frac{1}{8}$ " and $\frac{3}{32}$ ". Up to 48T (Larger sizes extra—see prices of rings) 21/6
C34. 1 " x $\frac{1}{16}$ " 16 to 24T (Larger sizes extra) 21/11
C45. New design which obviates the necessity of removing pedal. $\frac{1}{8}$ " and $\frac{3}{32}$ ". Up to 48T (1/5 extra 49 and 50T only) 21/6
C1000 Streamline; lightweight. 3-pin. $\frac{1}{8}$ " and $\frac{3}{32}$ " 44, 46, 48T 34/9
C1200 Continental pattern. Fluted $6\frac{1}{4}$ " cranks 3-pin $\frac{1}{8}$ " and $\frac{3}{32}$ " 44 to 50T (except 45T) 61/9
STRONGLIGHT. First class French 3-arm set. Excellent machining and finish. 46, 47, 48, 50T $\frac{1}{8}$ " and $\frac{3}{32}$ " 47/6
GNUTTI. Cotterless. Splined fitting incorporating best nickel-chrome Bracket Set, Cranks, Spanner and Single Ring. All sizes 46 to 52T 70/6 Standard. 3-pin, $6\frac{1}{4}$ " cranks. Same sizes 48/6

CHAINWHEEL SETS (Double)

WILLIAMS. C34. Any combination 32 to 48T 34/9
C45. Any combination 44 to 50T 34/9
C1032. 46/49T, 47/50T 47/6
C1232. Ditto 75/-
STRONGLIGHT. Made up with **SIMPLEX** rings. For sizes see below. $\frac{3}{32}$ " 72/6
GNUTTI. Cotterless 46/49, 47/50, 48/51T 87/6 Standard. 64/6

CHAINRINGS (Single)

WILLIAMS. C34, 32, 38, 40, 42, 44, 46, 47, 48T 8/-; 49, 50, 52T 9/5
 54T 10/7; 56T 11/11; 58T 13/-; 60T 15/4
C34 1 " pitch 16, 19, 20, 21, 22, 23, 24T 8/5; 25, 26T 9/9 27T 11/11;
 28T 13/-; 29T 15/4; 30T 18/2
C45, 44, 46, 47, 48T 8/-; 49, 50T 9/5

N.B.—If C34 or C45 Rings are to make up Double Sets they must be ordered as "Double".

C1000 44, 46, 48T 10/3 C1200 44, 46, 47, 48, 49, 50T 11/3
CHATER. $\frac{1}{2}$ " x $\frac{1}{8}$ " 36, 38, 40T 16/-; 42T 16/6; 44T 17/-; 46T 17/6;
 47 and 48T 18/-; 49T 18/6; 50T 19/-; 52T 20/-; 56T 22/-
 $\frac{1}{2}$ " x $\frac{3}{32}$ " 40T 17/6; 42T 18/-; 44T 18/6; 46T 19/-; 47 and 48T 19/6; 50T 20/6; 52T 21/6; 56T 23/6
 1 " x $\frac{1}{16}$ " 22T 18/6; 23T 19/-; 24T 19/6; 25T 20/6; 26T 21/6
 27T 22/6; 28T 23/6; 29T 25/-

STRONGLIGHT. 46, 47, 50T $\frac{1}{8}$ " and $\frac{3}{32}$ " 10/6
GNUTTI 46, 47, 48, 49, 50T 15/-

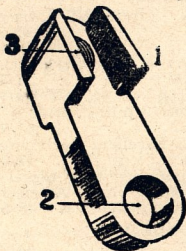
CHAINRINGS (Double)

WILLIAMS. C34 and C45. Conversion Set (Quote if for $\frac{1}{8}$ " or $\frac{3}{32}$ ") 14/2
C1032. Inner 46, 47, 48T 12/3. Outer 49, 50T 14/2
C1232. Inner 46, 47T 12/3; Outer 49, 50T... .. 16/-
CHATER. 46/49T 39/-; 47/50T 40/-; 49/52T 41/6
GNUTTI. (Inner ring inside normal position) 46/49, 47/50, 49/51T 32/-
SIMPLEX. (Set centrally or inside.) Inner rings 45 to 49T. Outer 48 to 52T 35/-

CRANKS

CHATER. Three-arm fluted square cranks $6\frac{1}{2}$ ", $6\frac{3}{4}$ " or 7" 65/- pair
(Price includes cotters and chainwheel bolts)

STRONGLIGHT. Leading Continental make, fluted. 3-pin suitable for Simplex double chain wheels 37/6. "COMPETITION" De Luxe 39/9



"KIDDIE CRANK"

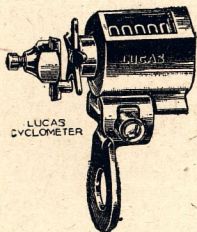
This little fitment reduces the crank length by 2". It is primarily intended to accommodate a child on the back of a tandem. Fixed and unfixed in five minutes. Involves no permanent alteration to machine. Heavily chromed ... 19/6 pair
Send for special leaflet.

COTTER PINS

Standard size—chrome plated $4\frac{1}{2}$ d. each **CONTINENTAL** 9d. each
"ALLEZ!" Extra long. Cadmium plated ... 6d. each
WILLIAMS 7d. each. **CHATER** $1\frac{1}{3}$ each

CHAIN WHEEL BOLTS

CHATER bolts—set of three bolts $1\frac{1}{3}$. Williams pattern 2d. each



CYCLOMETERS

LUCAS "King of the Road" chromium plated. Records up to 10,000 miles and then repeats. Bright clear figures record miles and tenths of miles, 26" or 27" 7/6

The "GRUBB" alloy clip for front fork blade. Saves resetting after removing your wheel ... 2/- each

EMBROCATION

ELLIMAN ATHLETIC RUB. The good old favourite. Made from the finest ingredients ... 2/-

Also **CURACHO**, Small $2\frac{1}{4}$ ½, Large $3\frac{1}{11}$ ½.

For cold weather, ask for "Thermal Curacho" (same price but small size only).

ENTRY FORMS

R.T.T.C. Forms (Blank at top) ... 3/4 per hundred
 Plus postage 100, 4d.; 200, 8d.; 300, 1/1; 400, 1/3 They can be
 over printed with all the necessary headings for your "Open Events"
 at an extra flat charge of 19/6 (incl. Tax) for any number up to 400.
Delivery usually 7—10 days. Just send your requirements with
 remittance for packing and postage (as above) to W. F. HOLDS-
 WORTH, 138-140 Beckenham Road, Beckenham, Kent.

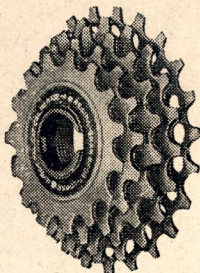
MULTIPLE FREEWHEELS

REGINA GRAN SPORT

The Italian block which is practically a standard for any multiple gear. All sprockets detachable. Superb workmanship obvious at a glance. Further improved by grinding and lapping bearing races making it the most easily running freewheel of all. Italians like Coppi, Swiss like Koblet, French like Bobet, Dutch like Van Est, Belgians like Derycke all say "Regina is Best".

4 x 3/32" (can be converted into five by exchanging smallest cog for double cog). Complete with cogs ... 18/6

A further advantage of this method of construction is that it permits of more "shoulder" on a 14T cog giving strength.



5 x 3/32". Complete with cogs	...	...	...	...	21/-
3 x 1/8" (flush-back) 16, 18, 20T only. Complete	...	...	...	...	13/6
EUREKA. 3/32". 4 up to 20T	18/6; 5 up to 21T	...	...	...	22/6
CYCLO 3. Top, 13-16; Middle 17-19; Low 18-28.	1/8"	...	...	...	21/6
CYCLO 4. Top, 13-16; 2nd, 17-19; 3rd, 18-25; 4th, 19-28.	1/8"	...	...	...	25/-
BENELUX 3. Top, 13-16; Middle, 15-17; Low, 17-28.	1/8" Boss.	...	...	...	20/-
BENELUX 4. Top 13-16, 3rd 15-19 1st and 2nd 17-28.	1/8"	...	...	...	25/-
BENELUX 4 Top; 13-16; 3rd, 15-19; 1st and 2nd, 17-28.	3/32"	...	...	...	28/-
BENELUX 5. Top, 13-16; 3rd and 4th, 15-19; 1st and 2nd, 17-28.	...	...	...	...	31/6

SPARE COGS

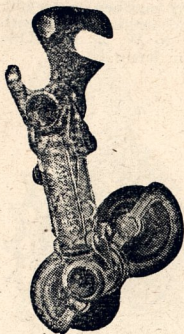
REGINA. Range 14T to 26T 3/32" only	...	...	...	3/-
EUREKA. 14T to 20T	2/9; 21T to 24T	3/-; Double cogs	8/6 pair	
BENELUX. 1/8" 13T to 20T,	3/-; 21T to 28T,	4/-.	3/32" 6d. extra	

FREEWHEEL REMOVERS

The new REGINA remover	...	...	...	...	3/-
CYCLO—For Standard or Benelux Boss pattern	...	...	...	...	2/6
EUREKA	...	...	...	...	3/6

GEARS (Derailleur)

CAMPAGNOLO. GRAN SPORT GEARS.



The "KING OF GEARS". Equalled by none; envied by all. Its patented action ensures a rapid and positive change under any conditions. The cantilever arm movement, machined from bronze, obviates the use of a rigid arm which is always liable to accidental damage. The roller bearing cage is fully supported in all positions being locked to the body instead of "floating" on the end of a shaft. Moving parts liable to wear are reduced to four pins which are fitted with phosphor-bronze bushes, whilst the two pulley wheels are of exceedingly hard-wearing high tensile steel. Altogether, the precision workmanship, the materials used and the excellent finish combine to produce a gear which will give first class service for a long period.

Practically a "must" for Continental Pros. Look at this list of important "Tours" won last season on "Campag". Tour of Europe—Volpi (Italian), Tour of Italy—Clerici (Swiss), Tour of Switzerland—Fornara (Italian), Tour of Holland—Van Est (Dutch), Tour of Catalonia—Serina (Spanish), Tour of Croatia and Slovenia—Petrovic (Yugo-Slav), in addition, other prominent users include Coppi, Koblet and Derycke.

Don't throw away your chances by using a gear which may let you down at a critical moment—Change to and with "CAMPAG".

Refinements have been introduced for the 1955 season, as follows:

GRAN SPORT DERAILLEUR	...	...	...	75/-
With Bare Cables and Clips	...	...	...	80/-
GRAN SPORT FRONT CHANGER	...	...	...	45/-
With Bare Cables and Clips	...	...	...	48/6

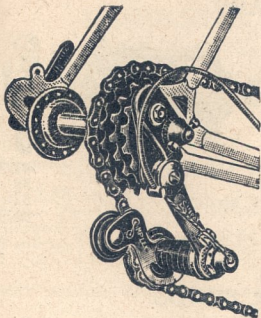
If ordered as a pair can be supplied with double lever. Pump-holder incorporated in Lever 2/8 extra. Handlebar control 5/9 extra each gear.

SPORT SERIES:

DERAILLEUR (Single Roller)	...	...	...	41/6
FRONT CHANGER (Hand operated)	...	...	...	22/6

CAMPAGNOLO SUNDRIES:

Allan Key 2/-; Thin Cone Spanner 1/-; Spoke Disc 3/4.



SIMPLEX

"JUY 543". The latest model. Protected against wet and dirt. Oil bath change. Pre-selected for 3, 4, or 5 speeds. $\frac{3}{32}$ " only ... 79/6

"JUY 51". Automatic tension. 4 and 5 speed. ... 43/9

"TOUR-DE-FRANCE". The well-known double roller gear 27/6

"GRANDE TOURISME" 3, 4 or 5 speed ... 29/9

FRONT CHANGERS

"JUY 53". Controlled by twin levers (the price includes parts to adapt single lever to twin) ... 31/-

"COMPETITION". Cheaper lever controlled changer ... 23/6

HURET. The gear used by Louison Bobet—Winner of the Tour-de-France 1953 and 1954. World's Professional Champion 1954.

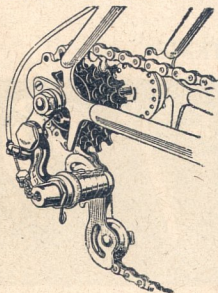
BOBET MODEL. The most up-to-date controlled tension gear ... 50/-

TOUR-DE-FRANCE. The cheapest double roller gear ... 25/-



FRONT CHANGERS. Lever controlled 23/6; Cable 26/-

N.B.—The Tour-de-France rear can be obtained in conjunction with Front Changer actuated by twin levers ... 45/- set



BRITISH BENELUX

Well-known on all British roads.

BENELUX SPORT. The gear used last season by so many British professionals ... 47/6

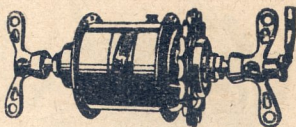
STANDARD BENELUX ... 30/-

BENELUX FRONT CHANGER for $\frac{3}{32}$ " or $\frac{1}{8}$ ".

Cable controlled ... 27/-
Lever controlled ... 25/-

HUB GEARS

STURMEY ARCHER—of course. A.C. The racing gear fitted with splined sprocket, wing-nuts and alloy shell 55/9



Other "STURMEY" Hubs are:

3-speed—A.W. Wide Ratio 40/9.	A.M. Medium	...	...	47/3
	A.S.C. Fixed (medium close)	...	...	58/-
4-speed—F.W. Wide Ratio 45/-.	F.M. Medium	...	...	53/-
	F.C. Close Ratio	...	...	55/9
Handlebar "Trigger" control fitted to all above.				

HANDLEBAR BENDS

AMBROSIO COPPI. The genuine Coppi Road Bend in strengthened alloy. One of the most popular bends here and on the Continent 19/6

CINELLI. The famous Italian Chrome Steel Bends with brilliant finish. $\frac{1}{8}$ ". No. 13 Giro d'Italia; No. 14 Pista; No. 15 Koblet; No. 16 Tour de France 18/9

STRATA Alloy. "Stratalised" to protect the finish. $\frac{1}{8}$ ". Maes, South-of-France, Tour-de-France, Aerts, Madison, Dernier, Pelissier, Course 15/6
Tandem Bend ... 16/3 Ken Russell ... 17/-
All-rounder ($\frac{1}{8}$ ") ... 13/-

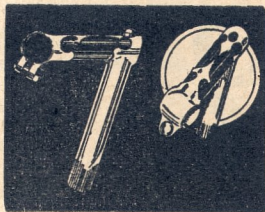
G.B. Alloy, with fancy ferrules. Maitland, Maes, Capo Berta, Pelissier, Tourist 16/6

DAWES Concorde. Used by leading mass-start exponents. New or Old Pattern 16/6

HANDLEBAR STEMS

The **Allez** Hand-made in Holdsworth's workshops. Steel. Lapped design. Fancy cut-out. Picked out in scarlet enamel. Heavily chromed. Expander 3" or 4" 30/-
Tandem, Headclip 27/6

CINELLI Italian Steel with extra large clip. Heavily chromed $3\frac{1}{2}$ ", 4", 4 $\frac{1}{2}$ ", 5" 25/-



HANDLEBAR STEMS (continued)

G.B. Hiduminium Alloy—Expander $1\frac{1}{4}"$ 16/-; $2\frac{1}{4}"$ 18/-; $3\frac{1}{4}"$ 19/9
 G.B. KROMO Steel $2\frac{3}{8}"$, 3", $3\frac{1}{2}"$ 25/- 4", $4\frac{1}{4}"$, $4\frac{1}{2}"$ 26/6; 5", $5\frac{1}{8}"$, $5\frac{1}{4}"$ 28/6
 ditto. Underslung $3\frac{1}{2}"$, $4\frac{1}{4}"$ 27/6; 5" 28/6

PRESTO

Standard Single or Tandem	... 2"	19/-	3"	19/6	4"	20/-
Drophead, single only	... 2"	20/-	3"	20/6	4"	21/-
Tour-de-France (under-slung)	... 2"	23/-	3"	23/6	4"	24/-
Merkens' (downward curve)	3", $1\frac{1}{8}"$ drop;	$3\frac{1}{2}"$, 1" or $1\frac{1}{8}"$ drop				22/6

ACCLES and POLLOCK

Major Taylor with clip. Expander fitting.	Solo	...	...	29/6
Tandem (Head clip)	...	...	...	28/-
Tandem Seat Pillar (T pin) with adjustable clip	1 $1\frac{1}{32}"$, 1 $3\frac{1}{64}"$, 1 $1\frac{1}{16}"$. Length of stem 12"	...	Clip only	12/10

REYNOLDS—Alloy. All-in-one, Expander $2\frac{1}{2}"$... 19/6

HANDLEBAR TAPE

There are many tapes available but "Allez", Twill and "Quelda" Plastic still maintain their place as the most popular. With their full 5-yard rolls and $\frac{3}{4}"$ width they are the best value obtainable.

Allez TWILL. $\frac{3}{4}"$ wide. 5 yard rolls. In Black, White, Blue, Yellow, Red, Green ... 2/- roll

"QUELDA" PLASTIC. Self-adhesive. In Black, White, Blue, Yellow, Red ... 1/6 roll

HANDLEBAR END PLUGS

"SHOCKSTOP" all rubber. In Claret, Blue, Black, Green and Natural ... 1/- pair

DUNLOP. Black, Red, or White rubber with expander screw ... 1/6 pair

KEN RUSSELL End Caps ... 1/3 "

HEAD FITTINGS

STRONGLIGHT. Best grade French "Competition" set, special "V" races ... 18/6

GNUTTI. Italian fittings. Decagon 11/6. The Extra 10/6

"ALATET". The British Continental pattern set with decagon design ... 8/-

BRAMPTON and CHATER. All standard fittings available.

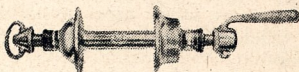
HUB COGS

$\frac{1}{2}$ " x $\frac{1}{8}$ " 12T to 16T 1/6; 17T to 22T	...	...	1/8
1" x $\frac{3}{16}$ " 6T to 9T	...	...	2/-
B.W. 14T to 20T	...	...	2/6
B.W. Unit Hub Cogs. 14T to 21T $\frac{1}{8}$"	...	...	2/-
16T to 17T (without flange)	...	...	2/-

HUBS (CONTINENTAL)

CAMPAGNOLO QUICK RELEASE

The original "calibrated blocage" Quick Release Hubs made with micro meter precision. The automatic pressure wing-nuts are released by a "flick" of the finger and at once the hub is free. The very best



materials are used in their manufacture and the finish is outstanding.

Used by the leading professional riders in every European Country. Frenchmen—Bobet, Italians—Coppi, Swiss—Koblet, Belgians—Van Steenberghe, Dutchmen—Van Est, Germans—Hoerman, Spaniards—Ruiz; all put their trust in "Campag". Why don't you?

Single sided for gear or double sided for gear and fixed. Standard flange 66/6 pair. Large flange 99/6 pair.

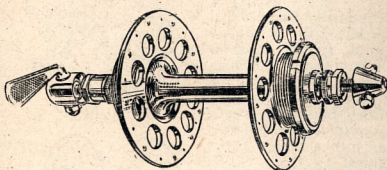
F.B. (FRATELLI BRIVIO)

If you require a plain hub without quick release you cannot better these really first-class Italian hubs. They are of outstanding workmanship and finish and justly deserve their excellent reputation.

Alloy flange on steel barrel. Alternatively drilled for weight-saving. Large flange 72/-. Small flange 36/- Available double-sided fixed or gear and fixed. Also single sided gear or fixed.

Both "Campagnolo" and "F.B." Hubs are also available drilled 36/36.

LEONE HUBS— QUICK RELEASE



The latest Italian "Blocage" Hubs. Alloy shells with first class steel spindles perfectly machined. Cups and Cones of high tensile steel for hard wear. In-

stantaneous release mechanism. Double sided.

Small flange ... 55/6 pair.

Large flange slightly dished for perfect wheel building.

Drilled in attractive pattern as illustrated ... 67/6

Large Flange Hubs can be supplied with the flanges anodised in Scarlet or Royal Blue making an extremely smart wheel ... 3/- extra

The popular Italian **GNUTTI**. Alloy shell, finest steel spindle and cups. Chromed. Single sided or double-sided for fixed or for gear and fixed ... 33/6 pair

Fitted with Quick Release Attachments—"A flick and it's free". A positive fixture whilst in use. Single-sided for gear or double-sided for gear and fixed ... 59/6

Also the **GNUTTI "Airone"**. A good hub at a reasonable price. Fixed and gear only ... 26/6 pair

FULL STOCK of all spares for **CAMPAGNOLO, F.B., LEONE and GNUTTI** Hubs.

HUBS—BRITISH

BLUMFIELD "Duralite" Hubs. The product of a specialist precision engineering works. Can be highly recommended.

Small Flange	...	Front 20/-	Rear 27/6
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Large "	...	" 28/-	" 37/-
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BRITISH HUB Co. (These hubs are in very short supply and will often not be available).

"**Airlite Continental**". Large Flange 74/-, with Quick Release 92/3

"**Airlite**". Small Flange 46/9, with Quick Release ... 65/3

"**Solite**". Small Flange ... 27/- pair

CONSTRUCTOR

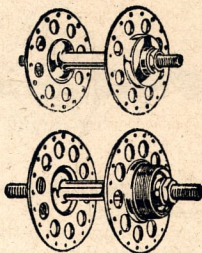
Quick Release Conversion Set. Skewer pattern. Set for Rear Wheel 12/6

HUBS (BRITISH) Continued

BAYLISS WILEY'S large flange hubs. Nos. 19 and 20/21.

Continental Hub Set, centre machined from the solid for greater strength. $\frac{1}{4}$ " ball bearings, accurately ground, ensure maximum smoothness in running. Large diameter spoke flanges are machined from hiduminium, an aluminium alloy of high tensile strength. Spindle hollowed for lightness, with washers and locknuts in chrome finish. The rear hub screwed for cog and lock-ring both sides.

Price: Front hub (No. 19) ... 26/1 each
Rear hub, D/F No. 20. ... 30/5
Screwed for cog and lock-ring one side and freewheel the other side. Extra long spindle for Deraileur (No. 21) ... 30/5 each



BAYLISS WILEY'S famous pair—the 9 and 10. Weight 18 ozs. the pair. Chrome No. 9 front ... 7/7
No. 10 rear ... 9/11
New No. 11. Gear and Fixed ... 10/3

CHATER-LEA hiduminium racing hubs, less track nuts.

Front ... 20/- each Rear D/S or G/F ... 27/6 each

Also in Large Flange Rear G/F only.

Front No. 1660 ... 40/- Rear No. 1651 ... 45/-

(If required, add 2/6 per hub for track nuts).

POWELL. Superbly finished slender barrels. Alloy flanges. Lubrication nipple fitted to end of spindles.

Small flange ... 43/8 pair Large flange ... 72/3 pair

HUB TRACK NUTS

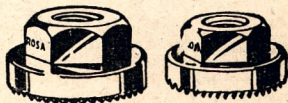
Chrome plated, front or rear.

1/3 pair

"ROSA" bright cadmium. As

illustrated ... 1/9 set (4)

Chromed ... 2/3 set (4)



HUB WING NUTS

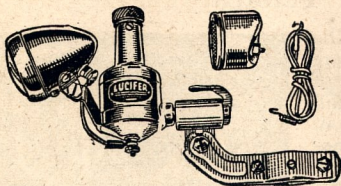
Chrome plated No. 2 pattern, front or rear ... 1/8 pair

HURET. Bronze metal 3/9 set ... Chrome 4/3 set

G.B. alloy lever pattern, front or rear ... 4/6 pair

STEEL. Lever pattern. Chrome ... 1/10 "

LAMPS—LUCIFER DYNAMO SETS



Superior workmanship and finish 6 v. .5 amp. 820A Aero and 807 Sport (Head-lamp and dynamo incorporated) ... 57/6

816A, Long beam 57/6

809—With battery 65/-

Aero-bi (two bulbs) 61/6

LAMP BRACKETS

Reynolds R.R.56, extruded hiduminium	...	...	...	5/-
Constrictor Conloy, snatchproof	...	...	...	3/-
Chater-Lea steel, right hand, chrome	...	...	...	2/8
Steel, cadmium plated	...	...	...	1/9
(N.B.—All above lamp brackets are for brazed-on bosses, and are complete with securing bolts).				

Ashby clip-on with spring band. Alloy lamp bracket with serrated adjustment ... 3/9 each
LATEST HANDLEBAR CLIP. Slips over any type of bend—does away with necessity for brazed boss on front forks. Black only (as illustrated). ... 1/3 each



MAPS

Barts. 1/2" (based on Ordnance) on cloth	...	6/- each
Dissected	...	9/- "

MAP MEASURERS

The "Dinky" with wheel and recording dial. In plastic. For 1" or 2" to mile ... 5/-

MUDFLAPS, etc.

BLUEMELS "Indestructible". Clips at bottom of front mudguard ... 1/9 each

"KLEANFEET". (As illustrated). These handy plastic flaps assist in keeping your legs and feet dry. The strong elastic loops at the sides just slip over the mudguard bolts or wingnuts. In best plastic, weight only 1 oz. Gold or black 1/9 each



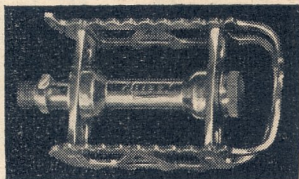
MUSETTES

Well made from proofed cotton materials. Two-button flap. Strong sling. Size 14" x 8". In variety of colours ... 4/4

OILERS

Tecalemit nipples, 3/8" diameter	...	...	3 1/2d. each
Oil-gun for Tecalemit nipples—"Visigun"	...	...	5/3 "
Grease gun for Tecalemit nipples	...	...	7/- "

We must apologise to the many riders who were unable to obtain a pair of these popular Alloy Quill pattern Pedals last season. New tools for the one-piece frame castings had to be obtained and the stampings for the side-



plates reset. We are now able to offer an even better finish than previously and we are confident that we shall be able to keep abreast of orders this year.

- Made from high grade duralumin alloy.
 - Special toughened pedal plates for long life.
 - The barrel and end-plates are in one piece, so cannot shake loose.
 - Spindle and Cones from high grade steel with spindle drilled for lightness.
 - Quill pattern gives wide tread accommodating most sizes in shoes with comfort.
 - 5/32" balls throughout.
- Weight only 10½ ozs. 22/6 pair

Full stock of spares available, so if you have an accident, replacements can quickly be obtained.

Dust-caps	6d. each	Spindles (L. or R.)	3/6 each
Cones	6d. „	Felt Washers	... 2d. „
Locknuts	2d. „	Steel keyed washers	1d. „
Main frames (L. or R.)		7/6 each	

LYOTARD. The first choice of all Continental pedals. In best quality steel and well chromed.

MARCEL BERTHET. (No. 23) Platform type. Will fit any size shoes. Weight only 11 ozs. pair 21/-

FAUCHEUX ROAD. Single sided solid centre. Width 3½". Weight 13 ozs. pair 18/6

No. 15S. Similar but not curved at end of plate. Width 4". Weight 13 ozs. pair. Becoming one of the most popular steel pedals 18/6

No. 45. A Quill pattern Pedal with solid centre ... 17/6

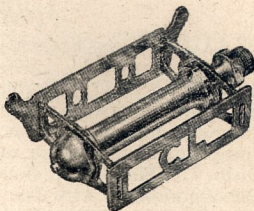
TOUR de FRANCE. Double sided solid centre. Oil retaining cap. Width 3½". Weight 15 ozs. pair... 17/6

PEDALS (Continued)

CHATER-LEA

The new 'SPRINT'. Stainless steel. Single-sided for maximum ground clearance.

Smooth-edged to accommodate shoe plates $\frac{5}{32}$ " balls 25/-
STANDARD. Double-sided stainless steel Spindles and Cones precision-ground 27/-



CONSTRUCTOR—

Boa. Quill pattern made throughout of best quality steel. Chromed. Adjustable width $3\frac{3}{4}$ " to 4" ... 27/6 pair
Cobra ... 20/- pair **Viper** ... 20/- pair

PHILLIPS—

Credalux steel chrome quill pattern ... 15/3 pair
Apollo—Double-sided steel ... 7/10 "

WEBB. The well-known steel quill pattern pedal 16/- "

BLUEMELS—

PUMPS

"Tour of Britain." 1" diam. Alloy Pump, with coloured plastic ring-grips 18", of course, ... 10/-

"Lightweight" Celluloid 18", White or Black ... 6/9

"Air-Weight" polished alloy, 18" ... 7/-

"Featherweight" 15". Black 6/3 18" ... 7/3

"Featherweight" 15". White 6/6 18" ... 7/9

ZEFAL. The Continental Alloy Pump. Polished 15" 7/9
 18" 9/6. Coloured 15" 9/9. 18" 11/3 each

PENNINE COMPRESSED AIR PUMP. Takes sparklets C.O.2 syphon cylinder. Will inflate tubular or H.P. tube in less than four seconds. A definite boon to racing men. *Thoroughly tested.* Including three refills ... 12/6
 Refills ... 7½d. each

PUMP CONNECTIONS

BLUEMELS. No. 9. Standard 1/- ea. 9a H.P. 1/- each

P.9 Fits ordinary or H.P. valves ... 1/4 "

ZEFAL. Continental for H.P. valves ... 1/6 "

PUSH-ON Adaptors, "Flector" ... 1/6 "

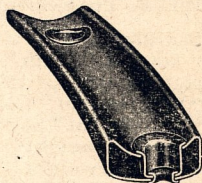
CAMPAGNOLO. Heavily chromed. Screw-on adaptor with locking grub screw and rubber cushioned feet to fit the curve of the tube when used without a pump-peg 10/-

PUMP CLIPS

DE LUXE. Latest French screw-on clips of attractive design.				
Heavily chromed	...	...	...	3/4
CAMPAGNOLO "Portapompa". Usual workmanship and finish associated with this name.				
Simple Pump Peg for seat or top tube	...	...	...	3/-
Pump holder for seat or top tube	...	...	...	6/-
Ditto, combined with single gear lever	...	...	...	14/8
Ditto, combined with double gear lever	...	...	...	26/8
Any of the above pump holders can be used with the following:				
For screw-on pump connection; with cushioned fitting	10/-			
Combined holder and gear wire channel stop for Seat-tube or Down-tube pump position. (State which type)	...	...	...	6/8
TERRY'S. Chrome 1" x $\frac{7}{8}$"	...	...	...	2/- pair
CONTINENTAL. Screw-on clips	...	...	...	1/6 "

RIMS—SPRINT

FIAMME. More and more of these famous Italian rims are used year by year. To attain the fastest speeds it is essential that you have a "tight" pair of wheels. The "Longhi" patent (as illustrated) design whereby the pull of the spokes is distributed between the inner and outer edges of the rim enables such a wheel to be built and, moreover, it will maintain these qualities. In addition to the majority of British riders a large majority of famous Continental Pro's rely upon **FIAMME**. Two weights Road (14 ozs.) and Track (12 ozs.), either ... 45/- pair
Available in 27" only but can be supplied drilled 36/36 if preferred.



WEINMANN alloy. Scherens. 27" only	57/6	pair
or Wood-lined as Continental practice	49/6	"
CONSTRUCTOR Conloy. Weight 12½ ozs., 27"	54/-	"
D'ALESSANDRO Wood Rims. Flat section 27"	37/6	"

SPRINT RIMS—CEMENTS AND TAPES

DUNLOP Rim Cement	...	...	2/6
JANTEX Double-sided tacky-tape	...	...	2/4 roll
CONSTRUCTOR Zone Double-sided tacky-tape	3/-	..	

RIMS—WIRED-ON

FIAMME. Famous Italian Alloy Rim. Special design giving extra strength. 27" only. A well-finished and dependable rim. Now with roughened surface for wet weather braking 37/6

ALESA (Weinmann). Another first class Continental rim of Swiss manufacture. Builds up into a fast and strong wheel. 26" or 27" H.P. 40/- Endrick 45/-

CONSTRUCTOR. Made from Conloy material; claimed to be the strongest alloy.

ASP. Recognised "The Best", 26" or 27", weight 17 ozs. 63/- pair

COBRA. The new rim. 26" or 27". Weight 16 ozs. ... 57/6 "

MAMBA. Solid alloy. 27" only, weight 18 ozs. ... 27/6 pair

BOALOY. 26" or 27". Weight 24 ozs. 40/- "

RIGIDA STEEL H.P. Braking surface "dimpled" to provide grip in wet weather. Builds up into a fine wheel. French "Crolux" finish 25/6

RIM TAPES

Rubber rim tapes for H.P. or Endrick Rims 1/- each

CONSTRUCTOR. Round section to fit into deep-welled rims 2/-

RIVET EXTRACTORS

CYCLO 5/- **FIFON** 8/11

SADDLES

IDEALE. The well-known French Racing Saddle. Model 41. Natural colour leather top, on chrome chassis. Curved cantle for comfort. Perforated edges. Bag slots. Size: 11" x 6 $\frac{1}{2}$ " x 3 $\frac{1}{8}$ " 29/3



BROOKS. Famed throughout the world. Only cut from best "butt" leather—they have a reputation to maintain.

B.17 SERIES. Narrow 11" x 6" x 3 $\frac{1}{8}$ " 1 lb. 10 ozs., Sprinter 11" x 4 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " 1 lb. 7 ozs. Standard 11" x 6 $\frac{1}{2}$ " x 3 $\frac{1}{8}$ " 1 lb. 12 ozs., Flyer 11" x 5" x 3" 1 lb. 8 ozs. Any of this series. Black frame 46/6. Chromed 49/-

New **B.17 COMPETITION STANDARD.** Cut-away back, Chamfered flaps. 11" x 6 $\frac{1}{2}$ " x 3 $\frac{1}{8}$ " 1 lb. 7 ozs. "Plain" or "Greased-dressed" Black 47/6 Chromed 50/-

SWALLOW cut-away type—the favourite amongst roadmen. 64/-

B.15. 11" x 6 $\frac{1}{2}$ " x 3 $\frac{1}{8}$ " 1 lb. 11 ozs. Now available in Narrow or Flyer styles 33/6

SADDLES (continued)

MANSFIELD'S well-known Racing Saddles.

38N. Size: 11½" x 6". Best butt leather top	...	...	24/-
The New ORMOND . The ever-popular ultra light-weight racing saddle. Slightly narrower than the 38 N., being 11½" x 5½".	...	...	...
R.R. 56 frame	...	...	40/-
NORTH ROAD . Cutaway laced top	45/-	BATH ROAD	35/-
No. 42 SPRINT . 11½" x 4½"	...	...	24/-
LYCETTS . L.15 N.R. Racing pattern	...	...	23/9

SADDLE COVERS

QUELDA PLASTIC. It is your duty to your pocket and to yourself to keep the rain from your saddle—one wetting will do more harm than a year's riding. These plastic covers have elastic all round and take but a moment to fit ... 1/6 each

SADDLE SHIELDS, etc.

BROOKS—Celluloid. Fits under saddle to keep off wet when riding without mudguards. Two sizes—sprinter and narrow ... 1/6
BROOKS PROOFIDE. For all-weather protection of your saddle. A sound investment ... 1/4 tin

SADDLE SUPPORTS

HOLDSWORTH'S



"**SURE**" saddle support fits on the stretching bolt of the saddle and clips around any 1" diameter top tube or to the seat pillar. Knurled thumb-screw adjustment from 5" to 9". Weight only a couple of ounces. Plated finish complete with clips, etc. ... 4/6 each

SPANNERS

"**KING DICK**" Adjustable, 3" long 6/- 4" long 7/3
 "**KING DICK**". Ring Spanner. Strong and light for front and rear hub nuts ¼" x ⅝" ... 5/5

CAMPAGNOLO—

Thin Cone Spanner ... 1/- Allan Key ... 2/-

TERRY Pedal Spanner—the right tool ... 3/-

CYCLO Spanners—for Cyclo gears ... 1/-

J. B. BROOKS Saddle Spanners ... 2/6

Also Head and **B.B.** ... 11d. Six-way ... 11d.

Peg and Cone ... 8d.

MAFAC Tool Kits. Fit everything ... 11/6

SPOKE NIPPLE KEYS

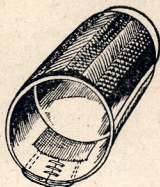
"**KING Dick**" Cadmium one-way 1/- Four-way 1/8 each

SPRINT WHEEL CARRIERS

"**CYCLO'S**" "Rosa" in steel ... 4/6 pair

TUBULARS

D'Alessandro



Signor D'Alessandro is without doubt the most experienced maker of tubular tyres on the Continent. His up-to-date factory in Milan is entirely devoted to their manufacture and his increasing sales all over the World are evidence of the esteem in which his tyres are held.

These tyres have been imported into Great Britain since 1937 and they are now a prime favourite amongst British Racing Men who know that you can

rely upon D'Alessandro. Very many successes have been gained upon these tyres during 1954 including World, Empire and British Championship titles.

I can therefore recommend these tyres with complete confidence and wish all D'Alessandro riders another successful season.

The range for 1955 is as follows:

IMPERFORABILE. Cheapest in the long run—A pair of these tyres will see the majority of riders through a complete season of racing including the odd "12" or "24". Exceedingly elastic raw rubber band between the tread and the base effectively prevents flints, thorns, etc., penetrating. Cunningly woven from Sea Island Cotton fabric with a light pure rubber inner tube this tyre can be relied upon. Weight $9\frac{3}{4}$ ozs. Usually with file pattern tread but can be supplied with matt tread 75/6

Or with SILK fabric 89/6

LIGHT PATH. A tyre for the expert whether Track or Short-distance man. Recognised as the tyre with the longest life at the weight of only 7 ozs. Translucent with narrow smooth red band. National Championships have repeatedly been won on these tyres 62/6

Or with SILK fabric 74/6

GIRO D'ITALIA. A fine road tyre for hard wear. Not quite so "pricey" as the Imperforabile it will never the less give many miles of speedy racing. Narrow black file pattern tread with latex sides. Weight 10½ ozs. ... 37/6

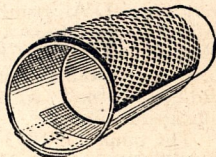
CRITERIUM. This tyre is very popular on all British hard tracks and also as a fast short distance road tyre. Smooth black tread. Light fabric. Weight 8½ ozs. ... 48/6

IMPERIAL. A reliable light road tyre for all-round work. Narrow black tread with non-slip design. Latex sides. Weight 12½ ozs. 42/6

LEONE. Still the tyre most in demand in the D'Alessandro range, this is a strong and reliable tubular. Definitely the most popular tyre for circuit racing. Narrow file pattern tread with translucent sides. Rubber base tape. Weight 13½ ozs. ... 39/6

BALILLA. Improved by fitting a tough black file-pattern tread. The green motif has been retained by a green protective covering on the walls. Weight 14 ozs. Really wonderful value. This is no "hose-pipe" tyre but one on which speedy rides can be accomplished. 31/11

"WORTHY". (As illustrated). Made specially by Signor D'Alessandro, to my specification, for the British market. Over-size section with prominent file pattern tread extending well down the sides. Walls are well protected with latex dressing. This tyre has been used with every satisfaction for all everyday riding and training. With its wide non-slip tread it also fills a long-felt want for a reliable grass tyre, whilst tandem riders pronounce it "just the job". Weight 16 ozs. ... 39/6



DUNLOP TUBULARS

No. 1.	Very fine file tread.	Weight 7 ozs.	...	...	...	56/-
No. 2.	Fast short distance tyre.	Weight 9½ ozs.	...	...	...	56/-
No. 3.	Good road tyre.	Weight 11 ozs.	...	...	...	56/-
No. 5.	Massed-Start tyre.	Weight 12 ozs.	...	...	...	56/-
No. 6.	For Grass Tracks.	Weight 11½ ozs.	...	...	...	56/-
No. 8.	The latest introduction.	Weight 12½ ozs.	...	...	...	42/-
No. 9.	Training tubular.	Weight 14 ozs.	...	...	...	33/6
No. 10.	Training tubular.	Weight 17½ ozs.	...	...	...	33/6
SILKS.	No. 0	...	80/-	Nos. 1, 2 and 5	...	84/-

TUBULAR CARRIER

"FULMINE". Italian Quick Release Carrier with strong elastic cords. Fitted under the saddle. When making rapid change remains attached to the saddle. No. fiddling with loose straps ... 6/3

TUBULAR SUNDRIES

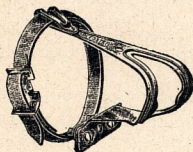
REPAIR OUTFITS:	"Constrictor" 3/-	"Dunlop" 4/-
"Dissoplast" needle and linen thread	...	1/1 card
"Dunlop" patches for tubulars	...	4d. packet
"Stopping" 4d. A tube	Proofing solution	3/-
"Montex" for dressing walls	...	2/6 jar

TOE STRAPS

The **ALLEZ/** CORSA. With slit to tuck the end of the strap in, giving perfect "stop". Quick release buckle. Leather specially selected to avoid stretch 4/6 pair



BINDA. Genuine Italian strap used by Coppi and leading sprinters.	
Really tough, coloured finish	6/- pair
CONSTRUCTOR, quick release	4/3 "
BROOKS with quick release	4/- "
Ditto, "COMPETITION"	2/6 "
"FLICK". Fitted quick release wide buckle	3/3 "



TOE CLIPS

CHRISTOPHE, in three lengths. Most famous of French clips	6/3
CHRISTOPHE CLIP-ON. Nothing to come loose	6/3
STRATA Stainless steel	5/6
CONSTRUCTOR steel. Boa pattern	5/3
ASHBY "Wanderlust". Adjustable	4/-

ASHBY "Monique". Latest pattern chrome ... 4/-

TRANSFERS

"CAMPAGNOLO" ... 6d. each Coloured Chevrons ... 7½ pair

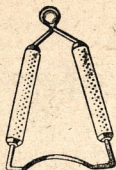
TYRES (Wired on)

DUNLOP:				
"HIGH PRESSURE"	26" or 27"	Cover	17/4	Tube 5/7
"WHITE SPRITE"	26" or 27"	"	15/-	5/3
"SPRITE"	26" or 27"	"	13/11	5/3
"SPEED"	26" or 27"	"	13/11	5/3
JOHN BULL:				
"ROAD SPRINT"	26" or 27"	Cover	20/11	Tube 5/10
"SAFETY SPEED"	26" or 27"	"	13/11	5/3
"LIGHT SPEED"	26" or 27"	"	15/-	5/3
MICHELIN:				
"25"	26" or 27"	Cover	17/4	Tube 5/7

TYRE PRESSURE GAUGES

DUNLOP. Make sure you have the correct pressure and get full speed and long wear from your lively tyres ... 8/-

TYRE SAVERS



CARLTON. The Carlton Tyresaver is an ingenious device which removes nails, glass, or flints. As the wheel turns, the nail or flint comes into contact with the Tyresaver and is pulled out within a few seconds of its entry into the tyre.

CC Lightweight anti-splash guard 2/-
C Racing and CL Ultra-Light Racing 1/6
"M" or "R" for use with guards 2/-

WHEELS

Now there are wheels and *wheels*—**Holdsworth's** are the last word. All these wheels are the result of careful attention to detail.

They are built in **Holdsworth's** workshops, by experienced mechanics, with only one end in view, and that is—a perfect wheel.

Ask the man who rides them, and while they may have equals, as far as workmanship, materials and general finish are concerned, **Holdsworth** wheels can have NO superiors.

HUBS

WIRED ON

SPRINT

		Rigida		Fiamme		Wein-	Fiamme		Wein-
		Steel	Alloy	Alloy	Alesa	mann	Alloy	Scherens	mann
Campagnolo	S/F	116/-	128/-	135/6	139/-	146/6			
" Q.R.	L/F	149/-	161/-	168/6	172/-	179/6			
Leone Q.R.	S/F	105/-	117/-	124/6	128/-	135/6			
" "	L/F	117/-	129/-	136/6	140/-	147/6			
F.B.	S/F	85/6	97/6	105/-	108/6	116/-			
	L/F	121/6	133/6	141/-	144/6	152/-			
Gnutti Airione	S/F	76/-	88/-	95/6	99/-	106/6			
Baylis Wiley	S/F	67/-	79/-	86/6	90/-	97/6			
	L/F	106/-	118/-	125/6	129/-	136/6			

Any other combination can be calculated by allowing for the difference with prices of selected hubs and/or Rims against the above.

CARRIAGE on a pair of wheels to anywhere in U.K.

— 3/6

Ch. Wheel	42		44		46		47		48		49		50		52	
	26	27	26	27	26	27	26	27	26	27	26	27	26	27	26	27
Wheel																
12	91	94.5	95.3	99	99.7	103	102	106	104	108	106	110	108	112	113	117
13	84	87.2	88	91.4	92	95.5	94	97.6	96	99.7	98	102	100	104	104	108
14	78	81	81.7	84.8	85.4	88.7	87.3	90.6	89.1	92.6	91	94.5	92.8	96.4	96.6	100
15	72.8	75.6	76.3	79.2	79.7	82.8	81.5	84.6	83.2	86.4	84.9	88.2	86.6	90	90.1	93.6
16	68.3	70.9	71.5	74.2	74.7	77.6	76.4	79.3	78	81	79.6	82.7	81.2	84.4	84.5	87.7
17	64.2	66.7	67.3	69.9	70.3	73	71.8	74.6	73.4	76.2	74.9	77.8	76.4	79.4	79.5	82.6
18	60.7	63	63.5	66	66.4	69	67.9	70.5	69.3	72	70.8	73.5	72.2	75	75.1	78
19	57.5	59.7	60.2	62.5	62.9	65.4	64.3	66.8	65.7	68.2	67	69.6	68.4	71	71.1	73.9
20	54.6	56.7	57.2	59.4	59.8	62.1	61.1	63.4	62.4	64.8	63.7	66.1	65	67.5	67.6	70.2
21	52	54	54.5	56.6	57	59.1	58.2	60.4	59.4	61.7	60.7	63	61.9	64.3	64.4	66.8
22	49.6	51.5	52	54	54.4	56.4	55.5	57.7	56.7	58.9	57.9	60.1	59.1	61.4	61.4	63.8
23	47.5	49.3	49.7	51.6	52	54	53.1	55.2	54.3	56.3	55.4	57.5	56.5	58.7	58.8	61
24	45.5	47.2	47.7	49.5	49.8	51.7	50.8	52.9	52	54	53.1	55.1	54.2	56.2	56.3	58.5
25	43.7	45.4	45.8	47.5	47.8	49.7	48.9	50.8	49.9	51.8	50.9	52.9	52	54	54.1	56.2
26	42	43	44	45	46	47	48	47	48	48	49	50	50	51	51.9	52

No. of teeth on cog



HOLDSWORTH'S CYCLES & FRAMES

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