

BIKE-RIDERS 'AIDS' 1964-5



SEE CENTRE SUPPLEMENT
FOR LATEST INTRODUCTIONS

Produced by:

The HOLDSWORTHY Co. Ltd., London, S.E.20

WHOLESALE DISTRIBUTORS OF LIGHTWEIGHT CYCLES.
ACCESSORIES AND CLOTHING TO THE RETAIL TRADE.

Subject to price and stock variations.

**This publication is our current list from
Easter 1964 until Easter 1965.**

All enquiries should be made to—

YOUR LOCAL AGENT

WHO CAN OBTAIN ANY OF THE ITEMS LISTED

ADDRESS BELOW

BIKE-RIDERS 'AIDS'

An annual guide to the best of British and Continental cycle equipment and clothing. This year we have edited and revised the previous issue and all items that have not been listed before appear in the two-colour centre pages. This system has allowed us to include last minute introductions right up to going to press (two months before issue).

NEVER BUY ANYTHING WITHOUT
FIRST HAVING A LOOK IN 'AIDS'

An enthusiastic Staff of Club Cyclists in close touch with all cycling 'types' at Home and friendly relations enjoyed with many leading riders who visit the Continent enables us to keep abreast of the constantly changing trends inherent to our sport. In addition the 'Salons' at Milan and Paris are regularly attended and it is therefore possible to give you the benefit of worthwhile introductions by direct importation or adaptation into British designs.

YOU CANNOT DO BETTER THAN
FOLLOW 'AIDS'

Although every effort will be made to maintain prices as listed they are subject to alteration without notice and will be charged to the Retailer at the price ruling at the time of despatch.

Purchase Tax, where applicable, is included in the prices shown.

Specialities imported and distributed carry these famous names:

CAMPAGNOLO FIAMME REGINA D'ALESSANDRO
LYOTARD CINELLI UNIVERSAL IL PRIMO JANTEX
FULMINE CAMPIONE CORSA ALLEZ BINDA INOX
CANETTI FIFON CRODONI & WORTHY CLOTHING

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CLOTHING

ANKLE SOCKS (Elastic Tops—Nylon Spliced)

- NYLON Extensible.** In an attractive fancy knit pattern. Always a good fit, the 'stretch' ensures they will not sag. One size only. Pursuit length, 7" leg ... 5/11
- NYLON 'SPRINT-SOX'.** A shorter 5" leg length in fancy knit rib, with wide elasticated top. One size ... 5/6
- FAUSTO.** The Continental length Pursuit sock in strong cotton with fine rib for close ankle fit. **White** ... 3/9

BADGES



Campagnolo signature on a globe surrounded by the World Championship cols. Mounted on a Blue backing on White silk. Size as illustration ... 1/-

BERETS

Designed for cyclists, the special close fitting crown will not blow about in the wind and absorbs very little wet in the rain. Fitted with a leather sweat-band for comfort in use, a 100% wool beret in **Wine, Navy, Olive Green, Chocolate and Black.** Three sizes ... 6/4



"CAMPIONE" RACING CAPS

Genuine Italian racing caps available either with or without the word "Campione" (Champion) printed across the front of the cap and underside of the peak so that it reads right side up when peak is turned in the Continental fashion (as illustrated). In cool **White pique**

with silky faced rayon lining and elastic at back for easy fit. One size ... 6/-

Similar cap in **White, Blue or Red pique** with two narrow contrasting colour bands running over the crown ... 6/3

CAPESETS AND RAINWEAR

QUELDA-LUXE. Made from a light cotton material impregnated with P.V.C. for complete waterproofing and strength, the result is a comparatively light weight cape which will withstand the most rigorous usage. Side seams are covered with a narrow plastic strip welded into position so that not a drop of water can penetrate the stitching. A full width ventilated yoke across the back protects the shoulders from condensation and the neck opening is closed by a diagonally set zip under a protective flap. Size: 45" front with full shoulders and wide hem allowing more room than average.
Black or Bronze 43/8



QUELDA-LUXE SPATS

In P.V.C. material as above, designed as Quelspats illustrated opposite. Front and rear seams plastic covered. Leather strap underfoot, elastic under knee, press stud fastening.

Black or Bronze 16" 14/-
Longer Leg 18" 15/-

QUELDA

QUELDA CAPE

The popular Worthy plastic cape is really tough and nearly untearable. All seams are welded with no stitching to allow leakages. The diagonally fitted zip has a pull-tag and is covered to stop any seepage. The special full cut, wide shoulders and ventilated back guard against condensation
Gold or Black. Size 45" only 24/9

SPECIAL JUNIOR CAPE

In a lighter plastic, fully welded with press-stud fastened neck opening. **Matt Gold, 39" front only** 18/-

QUELDA SOU'WESTER

In light plastic **Gold or Black** to complete Quelda outfit. Practical if not elegant. Sizes 6 $\frac{3}{4}$ " and 7" 5/1

QUELDA LEGGINGS

In strong plastic with gusset opening press-stud fastened. Reinforced at instep. **Black or Gold**, 30" and 32" 21/-

QUEL-SPATS (as illustrated)

Press-stud fastened around calf, elastic underknee. Welded reinforcements.

Black or Gold Std., 16" 10/-

Longer Leg, 18" ... 11/-

SADDLE COVER. Keep your saddle dry—one soaking does more harm than a season's riding.

Black or Gold ... 1/6



QUEL-PLAS CAPE

A well cut design in tough matt finish plastic with a completely waterproof gusset type neck fastened with a specially moulded button. Thumb loops and a loop for waist tape are provided. Packed in a carrying envelope.

42" for the smaller rider (smaller skirt, etc.). **Gold** 17/11

45" with ample skirt and shoulder width. **Gold only** 18/11

48" front, measurements sized up to suit. **Gold** ... 19/11

QUEL-PLAS LEGGINGS

In matt Gold to match cape. Shaped into the ankle there is no opening to let in water, a specially folded gusset allows easy removal. Side straps have two button holes. Tough strap fits beneath instep. **Gold** 9/9

QUEL-PLAS OVERKNEE SPATS

Covering the front of the leg from a slide-in toe piece to well over the knee, these spats offer protection from the bulk of wet thrown up when riding. Positioned by adjustable elastic straps, including one over the knee. **Gold** only 10/-

QUEL-PLAS CYCLE COVER

Natural plastic cover that will protect all of the cycle from the elements. Reinforced loops for securing ... 29/3

PLASSTICK REPAIR OUTFITS. Handy tube of solution and transparent patching for small tears in plastic 1/3

QUEL-PLAS RACING JACKET

Shaped like a button through shirt in transparent plastic with short tail at the rear, elastic at wrists, plastic buttons and draw cord at waist. Ideal for racing, training, 'soft' weather generally or when too windy for a cape ... 15/11

'CASUAL' CYCLING JACKETS

DAN RIVER Drip-Dry

Developed from the Dansheen. An American smooth lusted woven cotton fabric offset by chunky wool trimmings. The bold woollen collar is 'pegged-down' by 'Aztec' medallions so that it does not flap when in use. Cut especially for cycling, the longer length sleeves and body combine with an easy fitting shoulder yoke for comfort when riding. Lined with smart poplin, the jacket is washable and drip-dries into shape.

Fitted with an inside and two inset front pockets. Modern shades of **Canadian Bronze, Mid Blue or Norwegian Loden (Grey/Green)**. Small, Men's, Large or 42" ... 76/11



MAESTRO TRACK SUIT TOPS

Actually designed for use as a track or training suit, it has been found that the jacket part is very useful as a lightweight 'top' that can be stuffed away during the ride and used for standing about or riding home in the evenings. In a silky-faced material with fleecy lining the **Maestro** has a full length zip and a high neck of ribbed wool, matching cuffs and waistband 38/3

Maestro De Luxe as above but with inset pocket and neck, waist and cuffs in contrast bands (details page 28) 44/11

'CASUAL' CYCLING JACKET

NORWEGIAN

A really comfortable warm coat in a smart brushed Rayon/Wool mixture. Made for bike-riding both body and sleeves are longer than standard and the open-ended zip is not taken quite to the bottom of the larger sizes to allow for leg movement. Pure woollen collar and cuffs and a silky lining complete a colourful jacket (dry cleaning is advised to keep colours bright). Two alternative shades: **Red/Green or Blue/Brown** on a Black base. **Small, Men's or Large** 96/6



Whatever your choice of outer garment—Track top — Sweater — Jacket — Anorak it must be specially designed for cycling to be comfortable when in use. All of the items listed here and on the centre pages are made to our special requirements. Extra length to sleeves. Extra room across the shoulders. Extra length at the hip. Extra pockets, etc., etc.

For comfort when riding and smart appearance specify
WORTHY SPECIALIST DESIGNED CLOTHING

WORTHY GLOVES

SEE ALSO CENTRE PAGES FOR DETAILS OF
NEW WATERPROOF BACK FIVE-FINGER GLOVE

NATURAL SHEEPSKIN MITT

Exceptional value, these mitts are made from hard-wearing first quality skins and have a gusseted thumb. Long cuffs may be turned to show the wool or left to extend over the coat sleeve. Three sizes, in Natural finish 20/6



KNITTED WRIST MITT

In a strong Hide with a warm lining and a woollen cuff which retains the warmth in the full bag mitt. A leather reinforcement takes the strain off the cuff when 'pulling on'. Tan Hide 17/11

FIRST FINGER MITT

As above but with separate first finger as illustrated. Three sizes ... 19/3

WORTHY LEATHER PALM

Close woven cotton, Black/White marl, with warm backing and ribbed wrist for warmth. Complete palm, front of fingers and side of index finger reinforced by supple Cream Leather for hard wear. Smart and practical, easily stowed away when not required. Three sizes 11/3



WORTHY COTTON

As above, but without the Leather palm, etc. Surprisingly warm, in the heavier grade marl recommended for cycling. Three sizes 5/6

WATERPROOF BACK MITT

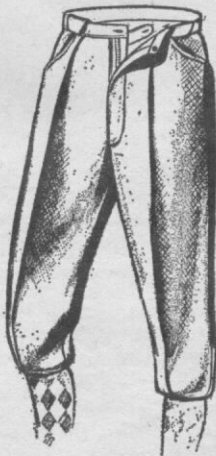
A full bag mitt with chrome palm for hard wear and a waterproof Blue back to protect the warm reversed sheepskin lining. An elasticated wrist band retains the warmth and ensures a good fit. Smart **Blue** and **Grey** finish. Three sizes 22/6



CRODONI PANTALONI

PATTERNED TERYLENE

In 55% Terylene 45% Wool, the best lightweight 'mixture'. Neat Grey pattern with Black wool ribbing instead of elastic at the knee. Continental design with curved side and two rear pockets. Wide belt loops and zip front with 'French' bearer. Double seated. 32"-36" 85/11
Size 9 or 10 (28" or 30") 80/-



BELT for above in same material. Q/R buckle 4/10

SILICONED TWEED

In good weight hard wearing shower-proofed tweed, same design as above. Smart **Blue/Bronze** or **Gold/Bronze**. 32"-36" 65/6
Sizes 9 or 10 (28" or 30") 61/-

PANTALONS

WHIPCORD

Black or Grey.

Made from extremely tough hard wearing cotton whipcord that will stand thousands of miles of training and general riding. A narrow adjustable half belt is fitted through wide belt loops in the modern style. Two side and two rear flapped pockets. Wide elastic band, turns under, at the knee.

Gents' Only 32"-40" 59/6

9 or 10 (28" or 30") 55/6



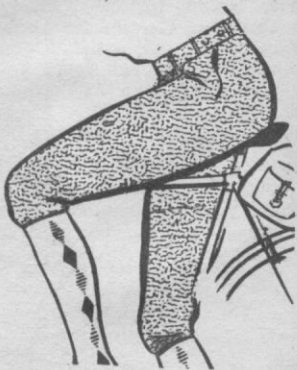
CONTINENTAL PLUS 1's

Cut closer and shorter than Pantalons, these Plus 1's have two buttoned rear inset pockets and an efficient shirt retaining extended waist band with elastic adjusters.

The material is Silicone Proofed with minute Green /Yellow or Blue/Yellow flecks superimposed on a neat 'modern' Black and White Tweed. These attractive mixtures have a pleasing and 'different' appearance.

Gents' 32"-34" 58/11

9 or 10 (28" or 30") 54/11



Ladies' in the Blue and Yellow fleck pattern only. Fitted with side zip and button, two side but no hip pockets. Sizes 26", 28", 30", 32" 58/11. Size 24" only ... 54/11

TRAINING TROUSERS

Developed from the Continental Plus ones these trousers have a similar cut at the top and adequate freedom at the knee, but then rapidly taper to the ankle where an inset zip allows a close fit that does away with the need for leg constricting clips or straps.

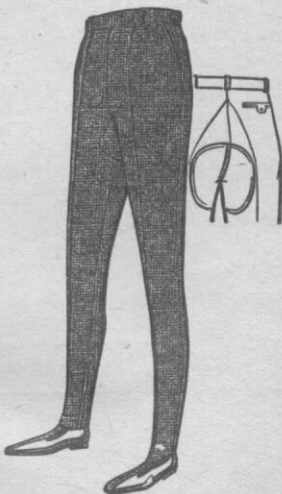
Siliconed TWEED (Illus.)

In Black and White tweed with Blue and Yellow flecks to give life, this material is Perlcone Proofed against wet and dirt. Soft and warm, ideal for early training and riding down to events. The tapered leg adds to the smart appearance and does not look out of place off the cycle.

Two buttoned inset rear pockets and extended elastic adjustable waist band complete a smart garment. Fitted with double patch and good shirt grip for riding comfort.

Sizes 32" waist ... 63/6
with 29" or 31" leg length.

9 or 10 (28" or 30") 59/2



Ladies. Made with a zip and button waist closure on one side. Hip pockets and double seat are omitted to give neater rear view. Legs are made in one length 26"/28", the zip being set up two inches from the hem to allow simple length adjustment.

Sizes. 26"-28" waist 63/6. Size 24" only ... 59/2

DRIP-DRY

In the popular light fawn shade, this Sanforized pre-shrunk cotton material washes easily and will drip-dry into shape, needing little ironing to restore the original smartness. Fitted with zip fly, extended waistband and belt loops. Two rear and two front pockets in the modern style. No double seat. 29" or 31" leg lengths.

Size 32" waist 41/10. 9 or 10 (28" or 30") 39/-

BLACK TWILL. In exactly same style and sizes as above. Hard-wearing Sanforized cotton twill. Smart and cool.

Size 32" waist 34/4. 9 or 10 (28" or 30") 32/-

RACING JERSEYS

WOOL ROAD

Close-knit from fine wool. Crew neck fitted with zip, pockets at front and rear. Collar and sleeves trimmed to match the double 3" chest bands.

In National colours:

Italy—Green with White/Red.

France—Blue with Red/White.

Belgium—Black with Yellow/Red.

Great Britain—Red with White and Blue bands ... 45/11



WOOLLEN 'SPECIAL' VESTS DISCONTINUED

SEE CENTRE PAGES:

For details of new light
racing or training vests.

&

CRODONI NYLON
SPECIAL CLUB JERSEYS

TRAINING VESTS—HEAVY COTTON

In stock colours only. Made in a heavy knitted cotton with a single contrast band on chest woven into the base colour. The plain crew neck collar and edging to the short sleeves is in same colour as band. On White base, Emerald, Royal or Scarlet band. On Black base, Scarlet, Emerald or Amber band. Small Men's or Large 17/6

RACING EXTRAS

WOOLLEN ARM WARMERS

Useful on cold mornings. Saves buying a long-sleeve vest and can be removed when warmer. Heavy ribbed wool. In **Black**, one size only 10/9

WOOLLEN LEG WARMERS

Keep your joints working smoothly on the coldest mornings. Heavy ribbed wool reaching well up the thighs. Elastic under-foot. 32" 34" or 36" leg. In **Black** only 25/9



CRASH HATS

CASQUE PRIMO

A deep-crowned Italian crash hat with sturdy protection at front and rear, cross members are also padded. Stylish and comfortable to wear, medium weight. Sizes 54-60 mm. (57 approx. 6 $\frac{7}{8}$ "). Softly lined in good leather. **Black** 29/11



CASQUE FAUSTO

Italian pursuit or massed start lightweight crash hat. Chromed leather covers flat sectioned rubber bars giving full protection. A thin cross strap allows hat to be folded away during a road race. Adjustable chin strap with wide buckle. **Metric sizes 54-60.** **Black** 27/9



WORTHY RACING SHORTS

Worthy racing shorts are 'all-British' made from the best Continental designs. By far the most popular on the British market, they offer wonderful value. We suggest that you check the 'Worthy' label to be sure of obtaining the genuine article.

WOOLLEN PATH

Made from guaranteed colour-fast hard-wearing wool. Fitted with ample chamois seat, short legs and inside 'sower grip' pocket. Will wash well and retain a comfortably close fit. **Black** only. Sizes: 30", 32", 34", 36" 29/9

WOOLLEN ROAD

As the Path short above but with longer 'Belgium' length legs and a very deep chamois patch extending well down the inside of the legs. Two outside hip pockets. Sizes: Small, Medium and Large. **Black** only 35/9

'CONTINENTAL' ROAD PATTERN

Seams at the side of this short allow a seamless 'U' type crutch to be combined with a deep chamois patch. Made in a lighter weight woven wool, with long legs and an outside pocket. Sizes: Small, Medium and Large. **Black** only 42/9



HEAVY GRADE COTTON

Sizes: 32" and 34" only.

Chamois Seated for comfort and hard wear. **Black** 18/11

TAKE CARE OF YOUR SHORTS

In the interests of hygiene, comfort and preservation your shorts require washing after each time worn. Most people realise that wool needs careful laundering, CHAMOIS needs exactly the same sort of care, . . . only more so!! Hand wash in warm soapy suds, rinse in clean soapy water which should be allowed to dry naturally into the leather. Stretch gently to correct size while still damp and manipulate gently to soften the leather when dry.

AVOID Hot Water, Detergents, Washing Machines, Hard Wringing, Leaving Wet and Screwed Up, Grease

SHIRTS



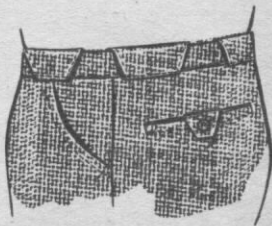
A really smart 100% cotton sports shirt with close fitting short sleeves, two button neck opening and neat collar. Omission of usual pocket and 'fancy emblem' achieves a clean appearance that allows this genuine 'sports shirt' to be used for work or leisure as well as any type of sport.

Woven to absorb perspiration, the fast colours allow regular washing. **White, Tan or Navy. Sizes S.M., L. ... 22/6**

SHORTS—TOURING

CRODONI PATTERNED 55% Terylene 45% Wool

Fashioned from a Bluish shade of Dark Grey with a neat pattern. This material is very light to wear but so hard wearing that no double seat is required. The Continental 'flair' for smart sports wear is demonstrated by the interesting and 'different' waist detail shown. The waist is closed by a single inside button but a 'French-bearer' takes the strain away from the deeply inset zip fly. The two side pockets have curved openings for easy use when riding. Twin inset rear pockets have shaped 'tags' that match the wide belt loops. Short, well shaped legs are 'notched' on the outside and well finished with no raw edges. **9 or 10 (28" or 30") 65/-**
32", 34" or 36" ... 69/9
BELT. With quick release buckle in same material **4/10**



GENTS' WORTHY SHORTS

TERYLENE /WORSTED

A beautiful short in tasteful Grey, 55% Terylene 45% wool mixture of good weight. Cut on close 'Continental' lines, fits snugly at waist with zip type adjusters, double button and extended band. Two side pockets, two inset rear with neat buttoned flaps. Shorter legs, discreetly cut, allow full movement without gaping. Dirt resistant and non-creasing, this material is so hard-wearing no double patch is fitted. As smart off the cycle as when riding, ideal for Continental holidays.



Grey only. Sizes 32"–40" ... 61/11
 Sizes 9 or 10 (28" or 30") ... 57/8

WORTHY 'ABRIST' 15% Nylon 85% Rayon

A neat short, cut on very close lines with zip fly and adjusters set in a narrow double buttoned waist band. Crease resistant 'Abrist' cloth is tested for strength, shrink resistance, colour fastness, washability, etc. Smart and hard wearing, ideal for summer use on or off the cycle.

Lovat. Sizes: 9 or 10 ... 47/6. 32"–36" ... 50/11

LIGHT TWEED

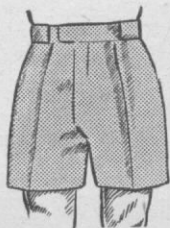
In a modern 'broken' design of Black and White with tiny flecks of colour to give the tweed 'life' these shorts are different! A Silicone proofing makes them showerproof, stain and shrink resistant, whilst increasing the strength and retaining the full softness of a good tweed. Cut as the Acrilan, with button fly and waist adjustment, two side and two flapped rear pockets. An adequate double seat and sponge 'grip' waistband with double hook complete a very smart and practical short. Sizes 28"–40".

Bluish Grey Mixture. Sizes 32"–40" ... 48/-
 Smaller sizes 9 or 10 (28" or 30") ... 44/9

WHIPCORD Grey or Black

The original whipcord short that proved so tough and hard-wearing that it became the standard wear for all racing and hard-riding club-folk. Cut on comfortable lines with two side and two flapped hip pockets. A double seat correctly placed and an extended waistband with adjuster.

Sizes 32"-40" (even only) ... 44/7
9 or 10 (28" or 30") ... 41/7



POPULAR

A lightweight short in Strong Black Twill material that is surprisingly hard wearing. Cool and comfortably cut.

Sizes 32"-34" ... 21/6. 9 or 10 (28" or 30") ... 20/-

LADIES' WORTHY SHORTS

TERYLENE/WORSTED

In the same medium shade material as the Gents for a smart 'twosome' these shorts have a close fitting cut. The inside of the short legs are shaped in and the outside 'nicked' so that there is adequate room when riding without any 'pull' on the thigh. Two slanted side pockets are provided and the waist is closed by a zip at the side. The double buttoned waist-band is fitted with a 'Shirt-grip' band. No double patch is needed. Grey only. Even

Sizes 26"-32" ... 61/11. Size 24" ... 57/8



TWEED—Silicone Proofed

Cut as Acrilan in same tweed as the Gents. Nice Bluish Grey Tweed mixture.

Size 24" only ... 44/9
Even sizes 26"-32" ... 48/-

SEE ALSO NEW 'ABRIST'

WORTHY SHOES

For more than thirty years shoes bearing this name have been used by keen discerning riders throughout Britain and more recently in many other parts of the world. With this long experience of cyclists' requirements in footwear we are proud to offer our latest range; combining 'know how' in design with recent advances in materials and manufacturing techniques. All the uppers are fashioned from full chrome leather and the lower prices of some styles are due mainly to production costs rather than a reduction of material quality.

All Worthy shoes available in full and half sizes.



**GRAN
SPORT**
Sizes 3-12

An all-black shoe in the popular 'soft' style without pedal patches or toe stiffening. The upper is reinforced over the instep by four diagonal rows of stitching on each side, which prevent spread and retain a close fit. Some stiffening of the heel back is provided to prevent slipping and ensure comfortable riding even after considerable service. A light 'V' heel is fitted to the strong leather sole ... 44/3

RECORD
Sizes 2-12



A stout all round clubman's shoe with a tough though supple black leather upper tastefully trimmed with a subdued red trimming. Both heel and toe are reinforced and a pedal patch is provided. The one-piece sole is cut from selected leather and carries a light full heel. Long close lacing through Continental style triangular eyelets enhances the appearance of a good class shoe ... 43/3



RENOWN
 Sizes 3-12

A well shaped and proportioned shoe with the back curved in for good 'heel-grip' in the Continental fashion. The black upper is offset by neat white stitching and eyelets. A tough black Viklite sole carries a full light heel of the same material. Identified by the name 'Silver-stamped' on to the slightly extended tongue 39/3

**GRAND
 TOUR**
 Sizes 5-12



This really well shaped full chrome black upper is neatly finished at the ankle with tan trimming. Laced well down the slender toe strapping and fitted with a large curved pedal patch. Cork lined, the special 'resin' sole is deeply channelled and stitched with a hot waxed thread process. N.B. Do not use with 'long' shoe plates 33/11

ROUGHSTUFF
 Sizes 5-12



A utility shoe with narrow sewn welt that will fit into a pedal and toe clip. Tan full chrome upper finished in Scotch grain. The tongue is webbed so that wet cannot penetrate lace holes or front opening. Tough leather sole. Viklite capped heel 59/9

CRODONI RACING SHOES

SEE ALSO CENTRE PAGES FOR DETAILS OF THE NEW FULLY LINED WINTER BOOTE.

"VELOCE" PURSUIT SHOE



With its sweeping lines and slender waist, perforated upper and pliable sole, supported at the instep by a light steel support, will appeal to all riders who are seeking the lightest and coolest of shoes. The high front laces to an inch of the toe and the ankle is neatly trimmed. Designed as a purely racing shoe (not suitable for Club 'football' or Cyclo Cross), the light sole carries no heel. Hand made in metric sizes 38 m. to 48 m. State English size required and nearest $\frac{1}{2}$ size. (e.g. 8", $8\frac{1}{2}$ " equals 43 m.) 61/6



"GIRO" ROAD SHOE

A road shoe with the latest ideas of comfort. Well spaced larger perforations in the upper are combined in the Continental fashion with eight holes in the sole. These holes serve a double purpose; in hot weather they keep the feet ideally cool, whilst in rain, when normal shoes become 'water-logged' they enable excess water to run out and avoid the discomfort of waterfilled shoes. The sturdy sole of the 'Giro' with its four-point steel support eliminates foot fatigue over the longer distances. Sizes as 'Veloce' 73/-

Both of these models have extra detail refinements. Special absorbent Nylon covered sponge inner-soles and small toe pads are fitted for extra comfort. The 'Crodoni' mark is stamped in Gold on the soft tongue which is anchored into position on the inside of each shoe. Small lace eyelet holes are reinforced by fibreglass tape and the range is made in $\frac{1}{2}$ sizes for the convenience of British riders. Range is from 5 to 12 in half sizes.



"STRADA"
ROAD
SHOE

Beautifully shaped from a full chrome calf side leather, the mouth is cut very low with a neatly rolled edging. High lacing at the front and a well curved heel line ensure riding comfort. A horseshoe heel is fitted to the sole of French Viklite which is so very supple, hard-wearing and consistent in quality, that a thinner sole can be used. Reinforced at the instep by a Nylon shank located by three rivets. A real 'class' shoe for racing or general club-riding ... 66/9

"KANGAROO"
ROAD
PATH



Similar in general design to the "Strada" this very light shoe has the upper made from genuine Kangaroo leather which has an extremely high strength to weight ratio. Fibreglass tape strapping at the heel and instep, as used in the best quality running shoes, further strengthens this remarkable 'feather soft' upper. The first quality full length leather sole is reinforced by a Nylon shank with three point fixing. No heel is fitted, but these are available separately if required 77/-

HORSESHOE HEELS. Easily fitted with adhesive by your repairer to the Kangaroo or Veloce flat soles ... 1/6

CRODONI RACING SHOES



**"CORSA"
CLUB
SHOE**

Introduced last year is a light 'Club' shoe at a price that proved popular with everybody. Handbuilt by some of the finest craftsmen in Italy, the 'Corsa' has the obvious 'class' of all Crodoni products. Shaped on the same last as the 'Veloce' this all-black shoe has a full chrome upper and full length leather sole fitted with a light heel. A close rolled edge and tiny lace holes give a really neat finish. No stiffener is fitted under the instep as on the other models, so a shoe-plate should be used. In metric sizes, state your normal English size when ordering 47/11

REG HARRIS SHOES

ROAD. A black shoe with one piece sole, stiffened at the instep. The lace strapping runs parallel down to the toe which is cut square. Sizes 3-11½" 52/6

SUMMER SPRINT (Illust.)

Same shape as the above, with a wide cut and square toe, but drilled upper for summer coolness. Rolled edge, light heel. Sizes 5-11½" 52/6

WINTER SPRINT

Exactly as illustration but without any holes in the soft toe upper. Sizes 5-11½" 52/6

Small sizes. Any of above shoes sizes under 6 50/9

Larger sizes. 12 and above are available at extra cost.



FALLOWFIELD. Fitted with 'breather' eyelets at the instep and wide strap patches on either side to give support to the foot. Sizes 5-12 42/9

EILEEN SHERIDAN. A smart but sturdy ladies' shoe. In soft black calf. Sizes 2-7 only 49/-

SHOE PLATES AND LACES

ARCHAMBAUD (Illustrated). Alloy blocks, which minimise pedal plate wear, are steel riveted to a steel plate to form a deep slot. The steel plate will not crack and spreads the thrust over a large area 3/9



ARCHAMBAUD PROFESSIONAL. As model illustrated but with an extended plate that is curved to follow the shoe 6/-

ARCHAMBAUD LONG. As above but with a long plate reaching the heel of the shoe 6/6

CAMPIONATO. A bronze plate with deep slot 3/6

PETERS LEATHER with deep slotted alloy strip set in leather, easy to fit, silent underfoot 3/-

PETERS DURAL. Light and strong, will stand up to bending and blend into sole of shoe 1/11

PETERS CYCLO-CROSS. Alloy plates with two long spikes fitted behind the deep pedal slot. Spikes have spanner flats for removing after the event 8/9

T.A. Extruded alloy plate with deep pedal slot for good grip. Supplied with tacks and fitted with a slot which allows simple location when fixing 5/-

LEWIS. Alloy plate extruded with deep pedal slot and a groove for the fixing tacks to seat in 1/11

RUBBER. A hard rubber plate with single slot, quiet underfoot and does not wear pedal plates 2/-

SHOE LACES. Strong braided 'round' laces long enough for cycling shoes. 30" in Black only pr. 4d.

EMBROICATION, etc.

CURACHO EMBROICATION. A spirit type that quickly penetrates. In cold weather use 'Thermal' in small size.

Small size. Thermal or Standard, economy Flask 2/9

Large. Standard only, economy Flask 4/3

CURACHO MASSAGE CREAM in 2 oz. jars 2/6

BATH SALTS. Aids relaxation. Large tin 2/6



CRODONI STOCKINGS

From 'Crodoni' are smart hose in Wool and Terylene. In striking colour combinations the very popular continental design, of Scandinavian motifs and horizontal bars, is shown to full advantage. So much pattern is woven into the hose that the only obvious base colour shows at the elasticated top. Choose from:—

**Black base with Red and Stone.
Scarlet with Black and Lt. Blue.
Maroon with Yellow and Saxe.
Navy with Royal Blue and White.**
Sizes 10-11½ 12/11

WORTHY STOCKINGS

DANSK

A boldly coloured 'stretch' stocking in crepe Nylon/Terylene which is very light to wear, easy to launder and does not fade. Knitted to a distinctive Danish pattern, of vertical ribs and wide cable stitch giving a close fit and unusually smart appearance.

**Black with White or
Black with Turquoise.
Red with Black contrast.
Navy with Saxe Blue.**
One size only ... 11/11



NEW QUADRILLE

Closely knitted from fine gauge 100% shrink resisting wool, these hand finished hose are warm and comfortable. Very large diamonds in clear cut solid colours are contrasted for maximum impact. The plain tops are elasticated to fit just below the knee. In two standard and two 'different' colour combinations.

Sizes 9 to 11½.
**Saxe Blue with Bright Red and Navy.
Black with White and Grey contrast.
Lime Yellow with Red and Black or Gold
with Black and Brown 12/11**

WORTHY STOCKINGS

PLAIN WOOL

Ideal early season training socks as they will not over stretch light racing shoes. Close fine ribbed all wool hose, with elasticated tops, in Plain shades of **Saxe Blue, Sedge Green, Fawn, Wine or Black.** Sizes 10"-11½" 9/6

MODERN DIAMOND

Knitted from muted shades of fine wool, this close fitting stocking is of good length and the wide elasticated band reaches just below the knee. The leg is divided into small diamonds, a line of which, running up each side are filled with another colour and edged in contrast. Each stocking has a pleasing combination of four colours chosen to suit the more conservative.

Green with Dk. Green, Dk. Blue with Lt. Blue. Grey with Black/Green/White. Grey with Black/White/Red. 10"-11½" ... 8/6



MEDICI NYLON

In a heavyweight 'Stretch' Nylon knitted to a distinctive rib pattern similar to the Richelieu. Light to wear and easy to wash they are close fitting and flattering to the leg. Plain elasticated tops. One size only. **White** ... 7/11



RICHELIEU COTTON

The original knitted cotton stocking introduced to England in the Continental style. Knitted from an extremely tough hard-wearing natural thread these have proved almost indestructible. Fancy ribbed to the toe with elasticated tops and Nylon splicing, they have been widely copied and you are advised to check the 'Worthy'

trade mark on the foot for the genuine article. **White only.** Sizes 9"-11½" 6/9

TRACK MITTS

CRODONI

The best track mitt to be produced by this famous firm who make for the top flight Italian professional riders. Made of extremely supple reversed chamois kid, the stepped fingers are neatly finished at the edges for comfort and the reinforcement patch is shaped to the palm. An unusual

crocheted back is of very open pattern for maximum coolness but, made in strong thread, maintains its shape and, assisted by the adjustable wrist strap, is always a good fit. The thumb back is similar in design, the finest mitts ever made by Crodoni of Milan 30/6

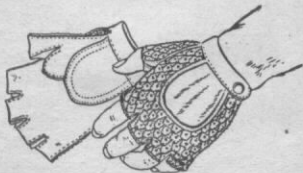


WHITE ITALIA

In soft White leather, institched for comfort and with smartly stitched palm reinforcing. A full width Italian hand-crocheted back with deep squared opening ensures a cool close fit. The cuff, extending barely to the wrist, is closed by press stud fixing. Three sizes: Small, Medium and Large 23/3

SPANISH CHAMOIS

An attractive mitt from Spain with heavy hand-crocheted back, open almost to the knuckles and thumb back to match. Very well shaped, with deep thumb gusset, sized half fingers and low wrist band fastened by press stud. The palm is lightly reinforced. Very good value in Natural Chamois leather. All sizes 19/11



SPANISH TAN LEATHER

Comfortably made with well designed gusset at the thumb and adequate palm reinforcement. Maximum freedom is given by the low cut back and press stud fastening wrist band. The really soft tan leather, peccary marked, gives good non-slip grip, while perforations on the back of sized half fingers and thumb aid ventilation. S, M, L and Ex Large 19/11



SPANISH NET BACK

Neatly institched in Nat. Chamois to same pattern as above. The whole of the back and thumb inset are of strong Nylon net. Very good value. S, M, L or Ex L 14/11



N.B. *Track mitts should be a close fit—remove by pulling off, inside out, from the wrist. Do not leave wet but allow to dry slowly after use.*

CREAM HIDE

A really hard-wearing track mitt in tough Cream Hide that will stand rigorous use on track or road. Reinforced by a full width patch that extends round the back of the index finger, strong enough to be used as a brake on the tyre. A butterfly patch under the thumb, well stepped half fingers and perforated back complete a most practical mitt. Three sizes. S, M or L 21/3



MORDANT

Unbeatable value in soft fawn leather trimmed with brown. Reinforced at palm and inside of thumb. Perforated backs. Three sizes. S, M or L 10/3

MAESTRO TRACK SUITS

Only a few years ago we first introduced a specially designed track suit for the cyclist. These proved so practical that we no longer list any 'baggy' suits but offer two very attractive models made purely for the bike-rider!



Both in smart silky faced material with warm fleecy lining. The tops are cut on close lines with full length open-ended zips for easy removal. The legs fit really close with a specially stitched double seat for riding comfort.

The NEW MAESTRO

The top of this suit has a high fitting ribbed wool collar and is neatly finished with similar self-

coloured ribbing at waist and cuffs. The legs have a rear patch pocket, wool ribbing at the ankles and elasticated waist. In three sizes and three colours.
Royal, Black, Crimson 72/6

MAESTRO De Luxe

The 'De Luxe' top has cuffs, waist band and a neatly inset collar in bold contrast wool ribbing, plus a zipped pocket set at an angle for easy use on the cycle. The legs are fitted with two deep side pockets and the ankles of self-coloured wool are closed by 6" zips to avoid stretching at this point. Three colours:

Scarlet with blue/white contrast.
Black or Royal with red/white.
Three sizes: S, M, L ... 82/6



SUN GLASSES

NUPROSAL (illus.)

Deep modern shaped glasses that will protect your eyes from sun glare, flies and grit.

Genuine Crookes lenses with Grey/Green tint

are set in a curved engraved frame with strengthening bar across the bridge. Nose pads and ear pieces are plastic covered for comfort 10/6



CLIP-ON. Similar lenses, but smaller and rounder, to fit over spectacles. Strongly held by sprung bridge... 7/8

ITALIA DE LUXE. Almost identical to the Nuprosal illustrated but with slightly flatter lens shape ... 10/11

ITALIA. Deep lens shape as illustrated above, with an engraved frame and plastic reinforced bar ... 6/11

ONE PIECE. With strong pliable black plastic frame. The deep plastic shield is tinted brown and extends round the side of the face giving complete protection. Safe and practical 7/6



SIDE VISOR. Made from a pliable black plastic with grey lens, these glasses have collapsible vented side pieces for maximum protection. Light to wear 10/11

GOGGLES

BINDA. Light alloy, ventilated, frames with pneumatic rubber padding. Clear or tinted ... 5/3



DE LUXE. Pattern are similar but edged in soft flat white rubber for greater comfort ... 5/6

Practically all of the clothing items listed in the proceeding pages are specially made and carry the 'Worthy' trade mark which is a guarantee of good quality and design—first in the field in 1922 we have more experience than any other company in the combining of modern trends and materials with proven practice. The Crodoni imported lines are selected from the maker's range as being most suitable for the British rider and one glance shows the quality of these top Italian products.

* * *

The components that follow are in many cases made to our specifications and only available through our agents who cover the whole country—these lines also benefit from our extensive experience in all branches of the sport and have those little extra improvements which maintain our position as the leading suppliers of lightweight equipment.

As direct importers from the Continent we have well established connections with the best 'foreign houses' and can recommend Campagnolo, Regina, Fiamme, Universal, D'Alessandro, Canetti, Lyotard and Cinelli as firms who back their products with a guarantee and all spares. Apart from the above are listed both British and foreign lines which in our opinion are the best available.

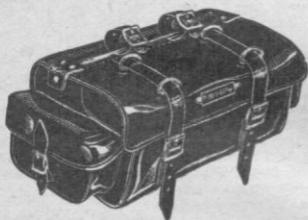
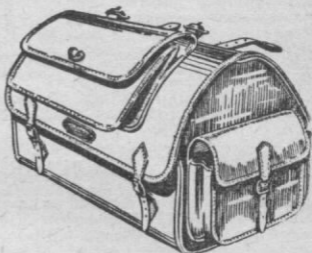
Your agent can be relied upon to obtain any item not already in stock — remember — before you buy anything take advantage of our experience

READ 'AIDS'

ACCESSORIES and SUNDRIES

“WORTHY” BAGS

EVERYMAN. Made from special composition, looks like leather, wears like leather. Keeps shape. Two side pockets, strap fastening. Map pocket on top, turn-buckle fastening. Size: 12½" x 7½" x 8" base, tapering to 5" width 52/6



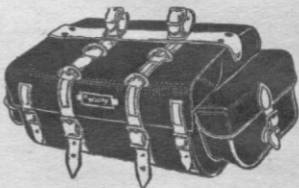
DEVONIA SADDLE BAG

Introduced in tough 'Arlinghide' to match the popular pannier set. Strongly reinforced at all corners, both bag and side pockets have deep 'box' flaps to keep out the wet. Long straps give support from the saddle and double rings allow cape, etc., to be strapped on top. A flat

pocket under the flap keeps maps clean and handy. Good capacity. Size: 12½" x 7½" base, 7" deep with short taper at top 34/-

HIGHLANDER SADDLE BAG

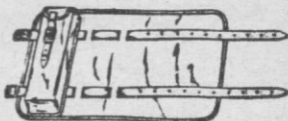
In heavy duty Black Duck as panniers. A large bag with heavy chrome leather reinforcing at back, underneath and on all corners. Top flap and side pockets are 'boxed' against weather. Useful map pocket fitted under top flap. Two long straps (with cape rings) support the weight from the saddle strapping and to stop 'sagging', two small straps hold the outside corners of flap in position. Size 16" x 7½", 7" deep 55/6



CAPE ROLL

In waterproof material with leather reinforcements. Long straps allow vertical or horizontal fitting behind the saddle. The roll remains attached to the cycle when cape is removed.

A tool pocket, 2½" x 1" and 6" deep will hold a Mafac tool kit or puncture outfit and spanners 7/6



TUBULAR BAG

Made from waterproof material and designed to fit in a vertical position behind the saddle. Its long narrow shape will not rub your legs and has a deep flap along entire length (13") so that two tubulars or a cape and one tub. can be easily inserted. A pocket inside will hold a tool set. Fixed by one long strap round roll (through saddle wires) and a short strap round seat pin 7/9

SHOULDER BAGS



SACCO (illustrated)

Continental type kit bag made in heavy waterproof material with a strong cord fitted through brass eyelets and tags to a spring clip which hooks onto a loop at the base of bag. Neck of bag automatically 'draws-to' when carried.

Handy size. In a choice of plain Red, Blue or Green 9/11

Large size. In plain colours only. Red, Blue or Green 12/11

MUSETTES

Campagnolo. Made from strong plastic-lined material with a wide webbing shoulder strap and eyelets at sides for a waist string if required. Size: 13" x 10" with a deep flap, fastened by press studs. Various colours with Campagnolo trade mark in contrast 6/8

Claud Butler. As above but with the C.B. signature on front 6/8

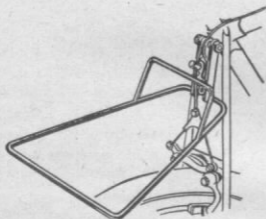
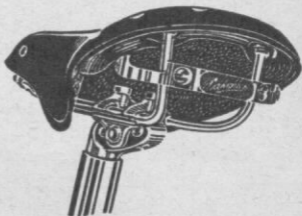
Plain Colours (no printing). In a strong waterproof Vinyl covered material, same size as above. Various shades and finishes ... 4/11



BAG SUPPORTS

CAMPIONE

A quick release fitment that allows a bag to be hooked on or off without undoing straps. Designed primarily for use with saddles not having bag loops. Two types: the straight 'Nitor' or curved 'Competition' shown. Consisting of chrome plated strips clamped either side of the saddle wires with aerotite nuts. The curve of the 'hook' leaves just enough room under the frame for the strap to pass. Badged 'Campione' either type 5/9



CLAUD BUTLER

A rigid bag support designed to overcome the problems of centre-pull brakes. Made of strong rod the platform is brazed into two plates leaving a gap for the brake and its q/release mechanism to operate. A strengthening bar also holds the bag clear from the brake. Supplied with extra length knurled seat bolt from which the support hangs. Bright plated 7/6

VILOSPORT 'Leech' saddle bag attachment. Designed to clamp to the saddle frame wires providing a quick release fitting for saddles not provided with bag slots. Correct type must be used.

No. 1 for Unica road saddle taking normal saddle clip 19/9

No. 2 for Unica road saddle with a flat undercarriage 19/9

No. 10 for Unica track saddle with normal wire frame 19/9

Simpler fittings are supplied for use with Brooks Competition. No. 3 for 'Professional' and 'Competition' Std. model with normal frame 12/9

No. 4 for Campagnolo/Competition saddle with narrow frame 12/9

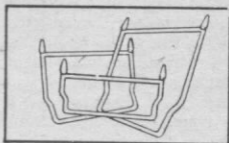
BROOKS. Rigid Chrome support. Fitted by wing nut to stays 6/6
In the popular Silver finish support as above 4/6



HIGH LIFT BAG SUPPORTS

VILOSPORT 'Hi-lift'

Available in three sizes to drop into any 'Leech' bag attachment. Will lift bag away from mudguard by 1", 2" or 3". When bag is removed from cycle the 'Hi-lift' makes a useful carrying handle. All types—Mini 1", Minor 2" or Major 3" 4/11



KARRIMOR. Standard Uplift. Quick release attachment that raises the bag above saddle slots well clear of mudguard 5/6

Tourist Uplift. Similar to Standard but with a support for the underneath of the bag. Chrome plated finish 8/9

PANNIER BAGS

All pannier bags listed below are supplied with plastic 'liners'.



HIGHLANDER

In heavy duty Black Duck material. Long straps and deep inner flaps give extra inches of space. Basic size: 12" x 11" x 5". Deep hooded pockets at rear will take items 'wanted on voyage'. Carrying handle and Q/Release aids removal 82/-

DEVONIA SET

Rear Bags. In tough, good looking 'Arlinghide', with piped edges and leather reinforcements. Size: 11½" x 10½" x 4" with a large pocket at rear of each bag. Deep flaps with long straps. Fitted with a 'Quill' quick release 58/6

Front Bags. 'Arlinghide'. To match rest of set, ample bags size: 11½" x 10½" tapering to 5" x 4" wide. Leather reinforced and fitted with Q/Release. Webbed inside flaps have draw tapes 54/-

(FRONT illustrated)

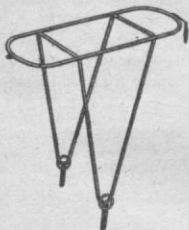
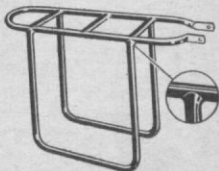


HANDBAGS. In strong 5 thou' black plastic welded to fit rear panniers. Keeps contents dry in the heaviest storm pair 3/6

PANNIER BAG CARRIERS

QUILL

Light but strongly made from best quality seamless tubing. The top platform 16" x 5" now has three cross supports. Enamelled jet black. Adjustable plated clips to fit to seat stays are supplied. There are no sharp corners on a 'Quill' to damage bags ... 19/9



CLAUD BUTLER

Strong triangular support from platform to mudguard eyebolt on drop-out. Top support from brake pivot bolt. Lower ring accepts quick release fitting or strap. Finish bright silver ... 14/6

CLAUD BUTLER De Luxe

Similar to the Standard model illustrated but with a more elaborate top platform. Strengthened by an extra cross member the platform curves up to give protection to the popular centre pull brakes and

a lamp bracket (serves as a stop or strap loop) is fitted at the back. Bright silver finish. Smart and practical ... 17/6

CLAUD BUTLER De Luxe FRONT CARRIER

As shown with bags opposite. Platform is large enough to take all types of bags and quick release fittings. Guard for centre pull brakes, strut to brake fixing bolt. Lamp bracket at front. Bright silver ... 17/6

CONTINENTAL REAR.

With sturdy triangular sides extending beyond a 9" x 5" well strutted platform. Guard to protect brake. Finished bright silver ... 12/6

LIGHTWEIGHT REAR.

Lighter gauge (bright nickel steel) support with large 'square' 10½" x 6" platform. Lateral members curve up to protect brake. Silver 13/6

QUICK RELEASE FITTINGS. Sprung frames with strong hooks for riveting to back of panniers. See opposite. Positive grip pair 7/6

BELLS

LA CLAIRETTE. Spring-ring bell. Polished alloy ... 2/3
 Anodised, red, blue, gold or green ... 2/4
VICTREE. Super 'Sonnice', coil spring external striker. Polished or
 Anodised colours, blue, red and gold, all at ... 1/11

BOTTLES



CAMPAGNOLO (As illustrated)

Selected by Signor Campagnolo as a worthy bottle to be associated with his famous accessories. In White semi-translucent polythene for either hot or cold liquids. It is odourless and will stand up to very hard use. The 'double-seal' top with extended centre and overlip grips the bottle securely. Cap has lip which makes it easy to open and close whilst riding, and this cap is attached to the bottle so that it cannot be dropped. With Campagnolo Trade Mark Badge and cap in Blue 4/3

ALLEZ! In white, red or blue Polythene with corrugated sides for easy handling. It is ideal for 'handing-up' as it will stand a lot of knocking about and does not dent 1/9

ALLEZ! Spare Corks with serrated alloy cap for positive grip 9d.

DRINKING TUBES. In strong, easily cleaned Polythene ... 4d.

BOTTLE CAGES

CAMPIONE CAGE (Illustrated)

Heavy gauge chromium plated universal fitting single cage. Can be fitted to either H/bar or D/tube by neat clips supplied. Sprung to allow easy bottle removal, fitted with smart two-colour badge 6/11

ALLEZ! WIRE. Lighter gauge, simple effective design with bottle guide. C/Plated. Single Handlebar or down tube 4/6

Double Handlebar fitting 7/6

T.A. Single Handlebar fitting with a solid bracket clamped to the bars.

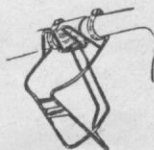
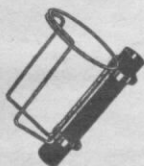
Heavy gauge wire. Plated 13/-
Down Tube model has a large, well shaped, guide for easy bottle replacement 13/-

PETERS UNIQUE (Illustrated)

Cleverly produced from only one piece of heavy gauge wire, supplying sufficient spring to grip bottle firmly, there are no joints liable to breakage. Chrome plated.

Down tube fitting 4/6

Handlebar Single 4/9



BRACKET FITTINGS



CAMPAGNOLO Cotterless

For alloy cotterless chainset, hard chrome bearings. Cups are finished in satin chrome and are not interchangeable with Standard cotted type.

Please state type of set required:—

Double standard length for original cranks, marked 68 SL (or S) 120.

Double standard length for new flat section cranks, marked 68 SS 120.

Single standard length for Path set, marked 68 P 120.

Single shorter than standard by 2.5mm. for 1½" chain line. 68 P 110.

Continental Sizes to suit French or Italian frame sets are available with right hand thread cups 35 x 1 and 36 x 24. Send set as pattern. All complete sets with axle, cups, lockring, fixing bolts and washers 46/9

CAMPAGNOLO Cotted. For use with any cotted chainset. Usual high finish with polished Chrome cups. Complete set:

ROAD for double chainset **PATH** for single chainset 44/9

N.B. Some sets are supplied with ⅜" ball races and only the correct cups and axles may be used—all parts are marked 'for ⅜" balls'.

Spare parts—state for which set required:

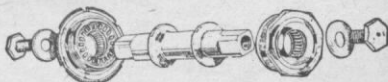
Cotterless axle only. State type markings (less fixing bolts) ...	21/-
Cotted axle, ROAD for double chainset, PATH for single set	21/-
Lock ring for cotted or cotterless sets. Polished chrome ...	4/6
Fixed cup, left or right thread. Polished or satin chrome ...	11/-
Adjustable cup, right hand thread. Polished or satin chrome ...	8/8
Cotterless axle clamping bolt and washer, right hand thread, each	2/6
CHATER-LEA ⅝" balls. Axle No. 1007 for single	5/6
Axle No. 1240/1 for double (No. 1240 'between' length) ...	6/-
⅝" Cups. No. 1349 right, No. 1350 fixed each	4/-
Lock Ring. No. 380	2/4
CHATER-LEA ¼" balls. Axle No. 1615/1 for double	6/-
No. 1615 for single 1½" chain line	5/6
No. 1615/2, 'Between' length (as old B.W. 23)	6/-
¼" Cups. No. 1617 right, No. 1617 fixed each	3/6
Lock Ring. No. 1618	2/-

BAYLISS WILEY. The production of bottom bracket fittings by this famous firm has been discontinued. The following list therefore applies—while the considerable stocks held last.

B.W. "Featherweight" Continental cups and L/ring 7/2

BRACKET FITTINGS

STRONGLIGHT
T 160
"NEEDLE"
BRACKET



Utilising thin roller 'needle' bearings which are particularly suited to carrying heavy loads at comparatively slow revolutions. For 49D and 57 Cotterless sets. T160/114 single, T160/120 double ... 105/-
 T260 for Cottered sets. T260/127 single, T260/132 for double ... 87/6
 No. 97. Cotterless set for 49D or 57 chainsets (standard bearings) type 97/32C axle for single, 97/32RN double ... 42/6
 No. 97/TRI Cotterless set for triple rings ... 47/3
 No. 34. Cottered set. 127mm. axle for single set, 132mm. double 19/11
 T.A. Professionnel splined axle. No. 715 Single, No. 745 Double 38/-
 Axle bolts with washers for above, No. 37 ... set 8/-
 Criterium right angled axle. No. 315 Single, No. 345 Double ... 38/-
 Set of left and right cups with lockring for either type ... 37/-
 Fixed cup No. W710 ... 15/- Adjusting cup W720 ... 14/3
 Locking Ring W730 ... 7/9 Set of 22 balls ... 7/6

T.D. CROSS

Standard bottom bracket fittings in bright chrome for $\frac{1}{4}$ " balls.

No. C16/2 axle, $1\frac{1}{2}$ " chain line without gear case clearance, suitable for use with a single chainset ... 3/-
 No. C16/4 axle, $1\frac{1}{2}$ " chain line with GCC, suitable for wide fitting double chainset or any other gear case clearance crank ... 3/-
 No. C16/9 axle, $1\frac{5}{8}$ " chain line without GCC, suitable for close fitting double chainset (e.g. Williams), or single chainset if extra clearance is required... 3/-
 Standard cups and lock ring ... set 3/4
 No. C11 Adjusting cup with left thread, spanner flats ... 1/3
 No. C13 Fixed cup with peg spanner holes ... 1/4
 No. C15 Lock ring ... 9d.

Full range of cables and spares available
 for all listed makes of brakes.

BRAKE CABLE CLIPS, Etc.

CAMPAGNOLO No. 649. Engraved. Chrome plated 1" only.
 Set of 3 ... 3/6
 G.B. '66'. Engraved. Chrome plated 1" only. Set of 3 ... 2/6
 TERRY. Chrome, self-locking, 1" or $1\frac{1}{8}$ ". Set of 3 ... 6d.
 No. 2 FLUTED OUTER CASE. Suitable for all modern brakes.
 Black, Red, Powder Blue, Royal Blue, White, Silver, Yellow & Green
 Per Foot 4d.

UNIVERSAL BRAKES

CENTRE PULL Mod. 61

The Universal is recognised as the best brake to be produced in Italy and the most recent model, the 61, will certainly maintain their reputation. Operating on the centre pull, wire control system, two neat alloy arms are pivoted from either end of a strong anchor plate clamped to the forks.

Coil springs mounted on the pivot bosses ensure an instant release but allow the blocks to 'follow' an untrue rim. The 'straddle' wire may be slipped from its

sockets to release tension and allow rapid wheel removal. Soft studded blocks give positive grip in all weathers. Pair complete with levers 67/6



UNIVERSAL LEVERS

Powerful lever with Nylon bushed brass pivot. Hood and built-in cable adjuster covered with a translucent rubber grip each 12/6

SIDE PULL 'Sport' Q/Release

A really neat brake with slim stirrup fitting closely round the mudguard. Arms well extended to the cable clamps ensure maximum leverage is obtained. The patent quick release fits either side of the arm allowing more movement and less chance of dirt or corrosion making operation 'sticky'. Fitted with soft white brake blocks, ribbed for wet weather gripping. Hooded lever as above with white rubbers.

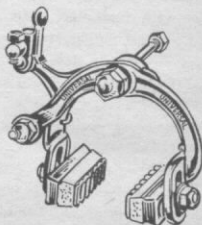
Tremendous value at only ... 35/-

LEVER HOODS. As shown on lever above in either soft brown translucent or white rubber pair 7/6

LEVER ADJUSTER RUBBER. Small black conical shaped pair 9d.

BRAKE BLOCKS. Soft rubber for alloy rims, ribbed into seven vertical pads to break up water on the rim pair 10d.

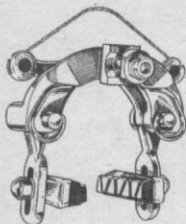
BLOCKS IN ALLOY SHOES. Complete with clamping bolts pair 2/6



G.B. BRAKES

COUREUR '66' Centre-pull

This popular symmetric action brake is shown from the rear view to illustrate the new backplate, which is of stronger section than before, and fitted with two single coil springs operating independently on the stirrup arms. Enclosed Nylon bearings ensure that all working parts function smoothly and silently. Unusually rigid cable hangers at head and seat eliminate any springiness in the action. Supplied with:



Superhood Rapide Levers (illustrated) which have a Nylon quick release thumb slide housed between the lever and hood. The spring loaded slide returns automatically, when the brake is next applied, so there is no chance of poor braking after a wheel change 60 /-
 With Superhood Plus Lever (non Q/R) 57 /-
 With New Superhood lever (no adj.) 55 /6



SYNCHRON

This brake represents a new approach to the design problems of efficient calipers. The side anchored cable is the only link with conventional side-pull practice, every feature of the action being symmetric. Two separate stirrup pivots are mounted on a common backplate, the shoes being held 'off' by a single spring sliding on Nylon rollers when in action. Latest models have a cranked arm for extra cable movement. Supplied with:

New Quick Release Continental levers as illustrated opposite, operates on the 'Rapide' system with neat stud 49 /6
 With Superhood Rapide levers 49 /6
 With Arret finger grooved levers 45 /6



COUREUR PLUS Side Pull

An efficient alloy side pull brake operating through Nylon bushes. Fitted with a neat quick release and studded 'wet weather' blocks.

With New Superhood lever (no adjuster, fit hood No. 507) 40 /6
 With Superhood Plus lever with adjuster fitted in hood 42 /-
 With Superhood Plus lever Anodised Red or Blue 45 /-

G.B. BRAKES (Continued)



SPRITE (Illustrated). Described by the manufacturers as the junior of their range it provides a simple but effective brake, at low cost. The hooded lever is of fairly short reach and the stirrup is available in one depth only. Normally supplied with the lever described above as shown in the illustration. As an alternative for machines with flat bars, touring levers are available 34/-

SPORT MK 3

An efficient alloy brake of neat design operating on the side pull system. Rigid polished stirrups carry studded blocks in adjustable shoes. Supplied with the Arret lever which is shaped to give good leverage and finger grooved for non-slip grip. Available with two stirrup depths. 'A' standard or 'B' deep as required 38/-

BRAKE LEVERS

New Continental Quick Release (illustrated) has a release button against which hood normally rests. To release, the button is depressed and slides under hood. Automatically returning when brake is next used each 12/6

Superhood Rapide as shown and described on page 40 with Nylon quick release incorporated ... each 12/6

Superhood Plus similar to the Rapide with finger tip cable adjuster but no Q/release ... each 10/6

New Superhood, a plain lever without quick release or cable adjuster. Same improved shape as the Continental with large cable socket ... each 9/6



Arret levers do not feature quick release or 'while you ride' cable adjustment but are a rigid, high leverage design with well placed milled finger-grip depressions each 8/6

Sprite. A simplified version of the Arret without finger depressions or coloured pivot each 7/6

No. 575 Touring type has a short block and semi-straight lever ideally suited to flat bars each 8/-

No. 126 Sprite Touring for flat bars (barrel nipple) ... each 7/6

G.B. HOODS AND SLEEVES in white rubber.

No. 503 Whole Hood for Superhood Plus or Rapide lever pair 4/6

No. 507 Half Hood with built in adjuster for Arret or Sprite levers, may be adapted for Rapide, New Superhood or Continental pair 5/6

No. 508 Half Hood for Superhood Plus or Rapide lever pair 4/6

No. 509 Lever Sleeve. With moulded finger grips ... pair 2/-

G.B. BLOCKS AND SHOES in studded 'Wetgrip' material.

Blocks and Shoes. Red or black, short or long with fixing nuts 2/2

Blocks only. Red or black, either length pair 10d.

WEINMANN BRAKES AND ACCESSORIES

VAINQUEUR 999 (Illustrated)

A well finished centre-pull brake made in Switzerland to fine machining limits. Operation is by two arms working independently in cantilever action. The pivots, mounted on a carrying arm which bolts to the frame, are fitted with Nylon bearings for smooth transmission of braking power.

Model No. 610 /750 has standard stirrups.
No. 610 /610 a shallow front stirrup.



Supplied with :—

Lever No. 162 (Illustrated) which has a quick release stop fitted between the hood and lever. Cable adjuster and rubber hoods 65 /—

With Lever No. 161 as illustrated but without the built-in cable adjuster or rubber hoods 57 /6

With Lever No. 144 hooded with rubbers but no adjuster or Q/R 61 /6



SIDE-PULL BRAKES

No. 730 /730 Standard stirrup model with well finished wide curving arms to give reliable braking via studded wet-grip blocks.

No. 500 /730 for shallow front stirrup. No. 890 /890 for deeper stirrup.

With No. 144 Hooded racing lever, Non Q/Release 38 /—

With No. 161 Hooded Q/Release lever (no adj. or rubbers) 41 /9

With No. 162 Hooded Q/R lever, adjusters and rubbers (Illus.) 58 /3

No. 730 /810 Tourist Model with med. depth stirrups and special Short-reach lever No. 136. Non quick release 34 /—

LEVERS. No. 162 Quick release and Nozzle adjuster ... each 12 /9

No. 161 Hooded Quick release without adjuster each 9 /—

No. 145 Hooded with built-in cable adjuster each 11 /3

No. 144 Hooded Racing without adjuster or quick release each 7 /6

No. 136 Touring with small hood and straight lever ... each 5 /6

Lever Hoods in white rubber, covers entire hood ... pair 5 /6

Lever Sleeves covers lever with first finger 'hook-grip' ... pair 1 /6

Blocks, Long or Short, red or grey, studded wet-grip ... pair 10d.

Blocks and Shoes, complete with nuts and bolts pair 2 /3

MAFAC BRAKES



TOP 63. The latest of a series of centre-pull brakes introduced by this famous French concern. Developed from the earlier 'Tiger' this has the main carrying arm formed by two mouldings which are bolted together and to the frame via curved slots. One arm slides into the other, allowing the stirrup to be 'opened' and supplies the vertical adjustment needed to align blocks with the rim. There is no up or down movement on the blocks themselves but the angle may be altered so the blocks meet the rim squarely. Complete with hooded levers, rubbers and adjusters 75/-

RACER

This model continues unchanged and was the first of the range to adapt the now popular cantilever action from a brazed-on brake to bolt-on types. The arms are independently sprung and are pivoted on bronze bushes fixed to a backplate which clamps to the cycle. Supplied with hooded levers but without rubbers or adjusters (see below) 59/9



DRIVER. A brazed-on model taking the place of the earlier Criterium. Actual operation is the same as the others but the pivots are in the form of pegs brazed onto the cycle frame. Extremely simple, the short forged arms, with brake block clamps as the Top 63, are very rigid and efficient. Supplied with bare cables and hooded levers less rubbers and adjusters 52/6

CRITERIUM TANDEM. A brazed-on model similar to the above but with double plate arms extended to give greater power to the longer blocks employed. Hooded levers less rubbers 61/6

LEVERS. Alloy hooded 'Professional' each 9/4

Rubber hood with adjuster, fits on the front of lever.
Red, White, Blue or Green pair 9/-

BRAKE BLOCKS Std. black, four stud pair 1/-

Tandem blocks, longer, five stud pair 1/4

Blocks in Shoes for Racer or Criterium pair 4/6

Blocks in Shoes for Tiger, Driver, Top 63 pair 8/4



CAMPAGNOLO CHAINSETS

Without doubt the finest chainset ever produced

ALLOY COTTERLESS

These superb cranks are machined to fine engineering limits from solid alloy forgings ensuring by their accuracy that the chainrings run perfectly true. Chemically polished to a lustrous 'satin' finish the latest pattern have a narrow 'flatter' section to cut down wind resistance and close down the 'tread' width. The rings, not pressed but machined from solid blanks, sit on square shoulders and are clamped to the five crank arms by screwed bushes locked with a small 5mm. Allen key and peg spanner. A four sided taper spline on the axle fits into the crank and is locked by means of a large headed bolt, giving an absolutely solid drive. Provided the axle and crank splines are fitted together clean and dry no further adjustments are necessary to maintain correct positioning or tightness.

Supplied complete with bottom bracket set, finished in satin chrome, and two pre-lubricated cages of $\frac{1}{16}$ " or $\frac{1}{8}$ " balls.

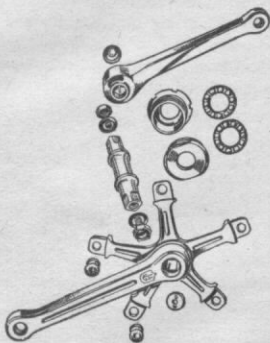
Double Set complete with bracket fittings (less the tool set). Ring sizes 44-52T (larger sizes extra, details listed opposite) ... 240 /-

Single sets. Designed as the double, but with shorter axle and less clearance between the right crank and arms which are suitable for single $\frac{1}{16}$ ", $\frac{1}{8}$ " or $\frac{1}{4}$ " pitch rings.

Single $\frac{1}{16}$ " set. 44-52T
(larger sizes extra) 207 /3

Single $\frac{1}{8}$ " set. 46-52T
(larger rings extra) 240 /-

Single 1" x $\frac{1}{16}$ " set. 23-26T (larger sizes extra, see opposite) ... 240 /-



CRANKS. With bracket fittings (less tools). Road (double) or Path (single), 6 $\frac{1}{2}$ " (165mm.), 6 $\frac{3}{4}$ " (170mm.), 7" (177.5mm.). State type and length required. Including set of five chainwheel bolts ... 174 /6

CAMPAGNOLO ALLOY RINGS & ACCESSORIES

$\frac{3}{32}$ " available from 44 to 57 tooth. 44-52 all at	32/9
Larger sizes (i.e. 53 to 57) as single rings or as part of a chainset cost more according to size. Extra each tooth over 52	1/6
$\frac{1}{8}$ " available from 46 to 60 tooth. From 46 to 52T	65/6
Larger sizes (53 to 60). Extra each tooth over size 52	3/-
1" x $\frac{3}{16}$ " available from 23 to 30 tooth. 23 to 26T	65/6
Larger Sizes (27 to 30). Extra each tooth over size 26	3/-
Chainwheel fixing bolts. Nos. 754/755 for double set. Nos. 761/762 for single sets. Set of five complete with locknuts	15/-
Spacing collars that allow a single ring to be used with a double chainset. Set of five	2/6
TOOLS. Extractor Tool. No. 770, for withdrawing crank	10/-
Axle Locking Spanner. No. 769	9/-
Allen Key. No. 767, smaller size than for gear	2/6
Peg Spanner. No. 768, for locking chainwheel bolt	1/-

CHATER LEA CHAINSETS

CRANKS ONLY. Top quality, heat treated, steel cranks of fluted rectangular design, the basis of all the Chater Lea sets. Available $6\frac{1}{2}$ ", $6\frac{3}{4}$ " or 7" length with special short cotters and chainwheel screws. Cranks per pair 70/-

CHATER LEA RINGS & ACCESSORIES

For Single chain sets add to cranks ring size required:

$\frac{1}{8}$ " Chainrings	$\frac{3}{32}$ " Chainrings	$\frac{1}{8}$ " inch pitch
36-38T ... 19/6	36-38T ... 21/-	21T ... 21/6
40T ... 20/-	40T ... 21/6	22T ... 22/-
42T ... 20/-	42T ... 22/-	23T ... 23/-
44T ... 20/6	44T ... 22/6	24T ... 24/-
46T ... 21/-	46T ... 23/-	25T ... 25/-
47T ... 21/6	47T ... 23/6	26T ... 26/6
48T ... 22/-	48T ... 24/-	27T ... 28/-
49T ... 22/6	49T ... 24/6	28T ... 29/6
50T ... 23/-	50T ... 25/-	29T ... 31/-
52T ... 24/6	52T ... 26/6	
56T ... 27/6	56T ... 29/6	

Double Sets. Add to cranks, inner and outer ring plus:

No. 1689 alloy adaptor ... 10/-	No. 37. 126 long bolts, set ... 2/-
46T inner ring $\frac{3}{32}$ " ... 23/-	49T outer ring $\frac{3}{32}$ " ... 24/6
47T " ... 23/6	50T " ... 25/-
49T " ... 24/6	52T " ... 26/6

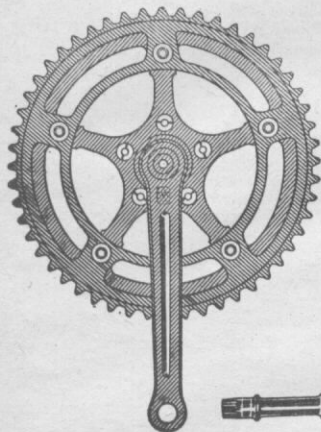
Single chainwheel bolts No. 34.126 $\frac{1}{4}$ " long, set of three ... 1/9

No. 35.126. For original fluted type (2 arm) cranks $\frac{5}{16}$ " long ... 1/9

WILLIAMS CHAINSETS

AB77 Alloy Cotterless adaptor set. A new introduction causing much interest at the 1962 Cycle Show. A five pin multi-splined crank carries an adaptor to which rings of Campag. dimensions are fitted by means of five sleeves. The adaptor will fit any five pin crank so great interchangeability with existing equipment is achieved. The taper splined bracket set will be made initially in two lengths for single or double chainsets.

Double Set complete with tools. Ring sizes from 46 to 50T	...	198 /6
Single Set complete with tools. Ring sizes from 46 to 50T	...	173 /-
Chainrings $\frac{3}{8}$ " alloy. Sizes 46T, 47T, 48T, 49T, 50T	... ..	25 /6
Larger Sizes. Separately or with set. Now available up to 60 teeth		
Extra for each tooth over size 50	... ..	1 /9



Adaptor with all the fittings	...	28 /6
Adaptor only double or single	...	22 /-
Crank fixings set of five (adaptor to AB77 crank)	...	5 /-
Ring fixings set of five sleeves single or double	...	6 /6
Crank complete with B/B set and Toolset $6\frac{1}{2}$ " only	...	119 /-
Crank only	...	73 /10
Bracket set double or single	... ..	43 /-
Tool set complete	16 /9	
Allen Key/Box	6 /-	
Extractor/Pedal	7 /-	
Extractor Tool	6 /6	

WILLIAMS STEEL CRANKS ONLY

B100. 5 pin, screw fitting, $6\frac{1}{2}$ " or 7" square section	...	pair	16 /6
Right only	... ..	10 /9	Left only 8 /6
C34. 3 pin, screw fitting, $6\frac{1}{2}$ " or 7" square section	...	pair	18 /-
Right only	... ..	12 /-	Left only 8 /6
C.34 3 pin, sleeve fitting, $6\frac{1}{2}$ " or 7". Less sleeves	...	pair	14 /6
Right only	... ..	12 /-	Left only 8 /6
Extra for $6\frac{1}{2}$ " on all of above, fluted section	... ..	pair	1 /3

WILLIAMS CRANKS (Continued)

C1000.	3 pin, screw fitting, 6½" narrow section only ... pair	31 /3
	Right only ... 19 /9 Left only ...	12 /9
C1000.	3 pin, sleeve fitting, 6½" only. Less sleeves ... pair	27 /9
	Right only ... 19 /9 Left only ...	12 /9
LC1200.	3 pin, sleeve fitting, 6¾" fluted only. Less sleeves pair	17 /9
	Right only ... 13 /3 Left only ...	9 /3
C1200.	3 pin, screw fitting, 6¾" forged, fluted section only pair	59 /6
	Right only ... 48 /- Left only ...	20 /6
C1200.	3 pin sleeve fitting, 6¾" fluted only. Less sleeves pair	56 /-
	Right only ... 48 /- Left only ...	20 /6

N.B. All sleeved cranks are listed without sleeves. When calculating cost of chainset by adding cost of rings do not forget sleeves are extra and must be included.

WILLIAMS STEEL CHAINRINGS, ETC.

B100.	5 pin, screw fitting, ½" or ⅜" flanged section. Available from 36-60T. Up to size 48T ...	10 /-
C34.	3 pin, screw fitting, ½" or ⅜" non flanged section rings from 32-60T. Up to size 48T ...	10 /-
C34.	3 pin, sleeve fitting, ½" or ⅜" non flanged section, from 32-60T. All sizes up to 48T ...	10 /-
Larger Sizes for any of above types. 49T to 52T ...		11 /3
	54T ... 13 /9 56T ...	15 /3
	58T ... 16 /9 60T ...	19 /9
1" pitch x ⅜". B100 or C34 in comparable size range to above.		
	All sizes up to 24T 12 /3 25T or 26T ...	13 /6
	27T ... 17 /3 28T ...	18 /6
	29T ... 21 /6 30T ...	24 /9
D34.	Tandem 3 pin, screw fitting, ½" only.	
	Outer sizes 44, 46, 48, 52T... 32 or 42T ...	20 /3
	Inner, drum type, 6 pin fitting to outer.	25 /9
D34.	Tandem 3 pin, sleeve fitting, outer ⅜" only.	
	Outer sizes 48 or 52T only ...	20 /3
	Inner, drum type, 6 pin fitting to outer. 42T only ...	25 /9
C1200.	3 pin, screw fitting, ½" or ⅜". 44-50T only ...	13 /6
LC1200.	3 pin, sleeve fitting, ½" or ⅜". 44-50T ...	13 /6
	51 or 52T ... 18 /6 53 or 54T ...	21 /-
C1232 or LC1232.	3 pin, sleeve fitting, ⅜" only, 'open' design.	
	Outer 49-52T ... 18 /6 53 or 54T ...	21 /-
	Inner, 6 pin fitting to outer, 46-50T ...	9 /-
N.B. C1000 rings are discontinued—fit C34 non flange instead.		
Fixing Sleeves. When ordering state: For single or double set.		
	½" or ⅜" chainrings. Set of three complete ...	3 /6
Chainwheel bolts. Square headed pattern ...		2d.
Ditto with hexagonal slotted head as fitted to C1200 ...		3d.

T.A. CRANKS

No. 1700 Professional Alloy Cotterless. The latest type from this French maker is of very 'square' section, deep fluted at the front with pedal holes blanked off at the back. $6\frac{1}{2}$ " , $6\frac{3}{4}$ " or 7" long with 5 pin flange, mounted on a square splined axle. Complete with all bottom bracket fittings, but less tools. State whether for single, double or triple chainrings for correct axle length 178 /-

T.A. CHAINRINGS, Etc.

ADAPTOR SETS. These consist of an alloy adaptor which may be fitted to either 3 or 5 pin cranks of standard continental size, with suitable 6 pin fitting ring or rings, making a rigid ensemble.

3 pin Adaptor only: No. 173 for Double rings. No. P173 Single	24 /6
5 pin Adaptor only: No. 175 for Double rings. No. P175 Single	24 /6
No. 25. Set of 5 fixing bolts (adaptor to crank) complete ...	3 /9
No. 62. Set of 6 fixing bolts (double rings to adaptor) complete	8 /-
No. P75. Set of 6 fixing bolts (single ring to adaptor) complete	6 /-

N.B. Chainrings are shown in the sizes normally stocked, but prices in all cases are for rings up to 50T only. Larger sizes see below.

No. 104. Outer rings for adaptor $\frac{3}{32}$ " , sizes 47-56T	23 /6
No. 106. Inner rings for adaptor (double) $\frac{3}{32}$ " , 44-52T	23 /6
No. P209. Single adaptor rings $\frac{1}{8}$ " or $\frac{3}{32}$ " , sizes 44-56T	27 /6

CRITERIUM Double rings. Employ an outer ring fixing direct to either 3 or 5 pin cranks, inner ring is bolted on to the outer.

CR203. 3 pin outer $\frac{3}{32}$ " , sizes 47-56T. Up to size 50	27 /6
CR205. 5 pin outer $\frac{3}{32}$ " , sizes 47-56T. Up to size 50	27 /6
No. 204. Inner ring for either of above types, 44-52T	23 /6
No. 64. Set of 6 fixing bolts (ring to ring), Criterium double ...	6 /-

SINGLE RINGS (bolt direct to crank).

203. 3 pin alloy, $\frac{1}{8}$ " or $\frac{3}{32}$ " , sizes 44-56T. Up to size 50 ...	27 /6
205. 5 pin alloy, $\frac{1}{8}$ " or $\frac{3}{32}$ " , sizes 44-56T. Up to size 50 ...	27 /6

N.B. Larger rings for every tooth above size 50 add extra cost 1 /4

STRONGLIGHT CRANKS

No. 63. Super Competition Cotterless alloy. A square section fluted crank with a wide five pin fitting for the rings. Developed from the earlier type 57, the crank is now supplied with Allen key locking sleeves which clamp new pattern rings to either side of the arm. Complete with bottom bracket fittings and tools. Crank lengths 6½", 6¾" or 7" 178/6			
No. 63P. As above but designed to suit single 'Piste' rings ... 178/6			
No. 49D. Cotterless alloy. Same pattern cranks as both above but with a standard 5 pin flange. In 6½", 6¾" or 7" complete with bottom bracket fittings and tool set ... 129/6			
No. 55.	Competition.	3 pin, 6½", 6¾", 7". Steel cranks	pair 47/6
No. 54.	Standard.	3 pin 6¾" only, chamfered arms.	Steel pair 47/6
No. 45.	Competition.	5 pin fitting, 6½" or 6¾" only	... pair 39/9

STRONGLIGHT CHAINRINGS

No. 63. Double ¾" dural rings, any combination of the following:			
Sizes 40, 42, 44, 45, 46T	... 28/6	47, 48, 49T	... 29/9
50, 51, 52T	... 34/9	53, 54T	... 37/9
55, 56T	... ..	... ..	... 43/9
No. 63 'Piste'. Single ½" dural rings.			
48-50T	... each 36/-	51-52T	... each 41/3
53-54T	... each 45/9	55-56T	... each 49/3
No. 12. Double ¾" outer ring with bolts to fit 49D set:			
49-52T, all one price	... ..	... ..	... each 37/3
No. 12 Bis. Double ¾" inner ring for 49D set, less screws:			
44-48T	... ..	... ..	... each 27/3
Steel Rings 3 pin, ¾". Sizes: 46-48T	... ..	... ..	... 14/3
49-50T	... 15/6	52T	... 18/9
Steel Rings 3 pin, ½". Sizes: 46-48T	... ..	... ..	... 13/6
49-50T	... 15/-	52T	... 18/-
Chainwheel bolts. Stronglight standard	... ..	... ..	... each 9d.
Bushed nut and screw for five pin set	... ..	... ..	... each 1/3
No. 12 TER. Bushed nut and screw with separator for No. 49D set (ring to ring) ... each 2/3			
No. 63. Screw, washer and bushed nut for clamping double '63' rings to the crank. Allen key fitting ... each 3/9			
No. 63P. As above for single ½" ring to single crank ... 3/9			

SIMPLEX DOUBLE CHAINRINGS

Competition Steel ¾" 3 pin fixing with straight or cranked arms. Any combination of rings and arms as listed below:			
AC.1. Set of straight arms with fixing nuts and bolts	... ..	... ..	5/3
AC.2. Set of cranked arms (for single cranks) with bolts	... ..	... ..	6/-
Steel ring for ¾" sizes: 45, 46 or 47T	... ..	... ..	each 10/6
Sizes 48, 49 or 50T	... 11/3	Sizes 51 or 52T	... 12/-
Competition Alloy ¾" 3 pin fixing in any combination of rings below with straight or cranked arms as listed above:			
Alloy rings. 45, 46 or 47T	16/6	Sizes 48, 49 or 50T	18/9
Sizes 51 or 52T	20/-	Sizes 53 or 54T	24/9
Grand Sport Tourist Steel. Any combination of ¾" five pin fixing outer, inner ring and bolts as below:			
AC.3. Set of bolts, 3 ring to ring, 5 ring to crank	... ..	... ..	set 3/9
Grand Sport Steel outer ring ¾", five pin fixing only, sizes:			
44 or 46T	... 13/9	Sizes 48 or 50T	... 15/-
Grand Sport Steel inner rings.	... ..	Sizes 28 or 30T	... 7/-
Sizes 32 or 36T	... 7/6	Size 40T	... 11/6

KIDDIE CRANKS

A heavily chromed fitment that reduces the effective crank length by two inches. Easily fitted, the pedal is removed from crank and fitted into the Kiddie crank. A large flat headed bolt clamps both to the crank and shoulders protrude over sides of crank to prevent movement. Enables youngsters to ride on back of tandem, etc. ... pair 19/6

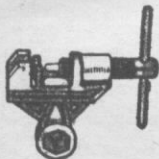
CHAINS

See also New Renold

REGINA $\frac{3}{32}$ ". Made by this famous Italian firm for use with their freewheel which is 'closer' than average. Very flexible because of less width over the rollers. Ideal for use with all derailleur gears and any $\frac{3}{32}$ " freewheel 12/9
SEDIS Yellorex $\frac{3}{32}$ ". French manufacture 10/3
SEDIS $\frac{1}{8}$ ". A flexible chain for use with gears 7/-
REGINA BLOCK $\frac{3}{16}$ " x 1". Used by Italian Pro's 33/-
RENOLDS BLOCK $\frac{3}{16}$ " x 1". Well below today's price at 58/9
RENOLDS TWIN ROLLER $\frac{3}{16}$ " x 1". Ideal for grass 24/9

CHAIN LINK REMOVERS

N.B. These extractors are not suitable for use with Renolds 'Elite' chains which have shouldered rivets and need grinding off.



FIFON (illustrated). Bronze extractor with hardened steel punch and adequate leverage. Links may be replaced with same tool. For either $\frac{1}{8}$ " or $\frac{3}{32}$ " chains ... 7/-

CYCLO Rivoli. Hard revolving peg which can be replaced when worn. For $\frac{1}{8}$ " or $\frac{3}{32}$ " chains. Long lever 6/7

COTTER PINS

CYCLO (as illustrated). An asset to the home mechanic. Cotter can be drawn out with spanner pair 2/2

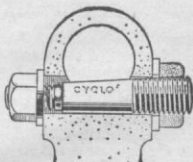
CHATER. Heavily plated, short pair 3/-

CONTINENTAL. Metric size, plated pair 1/6

WILLIAMS. Standard size, chrome plated.

UTILITY. Standard size, chrome plated.

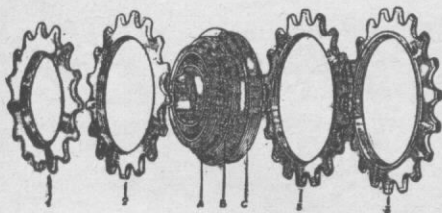
UNMILLED. No flat machined, plated.



ENTRY FORMS

R.T.T.C. forms. As required by R.T.T.C. regulations. With blank top in which race details may be entered. (We cannot undertake to print details.) Plus postage at following rate: 100, 1/-; 200, 2/-; 300, 2/3; 400, 2/6; 500, 2/9. Forms packed in 100 lots 4/6

REGINA MULTIPLE FREEWHEELS



The Italian block which is designed for use with all gears and particularly with quick release hubs, being much 'closer' than most, with narrow body and flush back. The ground and lapped races are set as far apart as possible to kill 'float' and ensure smooth running.

Compare REGINA to any other and note the superior finish and smoothness of operation.

4 Speeds. Bore A carries No. 1 cog (14-16T), bore B the second cog No. 2 (16-20), bore C two cogs No. 3 (17-28T).

FOUR SPEEDS. Sizes as listed above **18/6**

5 Speeds. The smallest cog No. 5 has a male thread, inserted inside a special cog No. 4, which fits the small bore A, making a double sprocket.

N.B. If a 13 tooth top sprocket is required, this cog No. 7, will not fit cog No. 4 but is inserted into a cog No. 6 with a smaller diameter female thread available in sizes 14, 15 and 16T.

FIVE SPEEDS are therefore available:—Top (14-16T), Second (15-18T), Middle (16-20T), Bottom cogs with left thread (17-28 but no 27); or with 13T Top, 14, 15, 16T Second, Middle and Bottom as above. Any ratio **21/6**

6 Speeds. By fitting another sprocket (No. 8) between the standard next to five cog (No. 4) and a 13T type cog (No. 7), six sprockets may be mounted on the standard body. This cog (No. 8) is available 14, 15 or 16T.

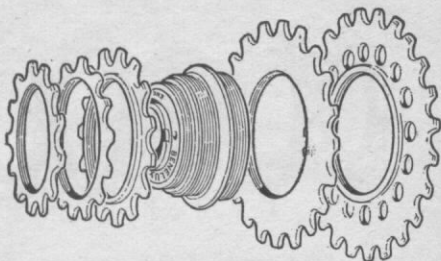
SIX SPEEDS are available: Top (No. 7) 13, 14 or 15T, with (No. 8) 14, 15 or 16T, screwing into (No. 4, standard next to top cog) 15-18T, middle (No. 2) 16-20T and low cogs (No. 3) 17-28T **24/6**

Spare Sprockets. 13T-28T (no 27). Each **3/-**

Freewheel Body only. Each **6/6**

BENELUX MULTIPLE FREEWHEELS

'STAR'
FIVE
SPEED
FREE-
WHEEL



This most recent introduction by 'Cyclo' is available only as a five speed $\frac{3}{32}$ " block. A wide centre thread takes two sprockets so that the top cog has its own thread and no 'double' cog is required. Ratios are:—top—13-16T, middle—2 cogs 14-20T, low—2 left hand thread cogs 16-28T. Price complete 22/6
Body only ... 7/6. Spare cogs 13-28T (no 27T) 3/-

Benelux 3. Top 13-16T, 2nd 15-18T,
1st 17-28T 21/-

Benelux 4. Top 13-16T, 3rd and 4th
15-19T, 1st and 2nd 17-28T, $\frac{1}{8}$ " 25/2

Benelux 4. Top 13-16T, 3rd and 4th
16-20T, 1st and 2nd 18-28T, $\frac{3}{32}$ " 21/8

Benelux 5. Top 13-16T, 3rd and 4th
16-20T, 1st and 2nd 18-28T, $\frac{3}{32}$ " 25/-

Benelux 6. As 5 speed but 14/16, 14/15,
13/15 or 13/14 double cog instead of top
sprocket 30/-

Benelux Spare cogs $\frac{3}{32}$ " 13-28T... 3/2

$\frac{3}{32}$ " double cogs for six speed ... 8/2

$\frac{1}{8}$ " cogs for 3 or 4 blocks ... 4/-



FREEWHEEL REMOVERS

REGINA. Solid block with heavy dogs to engage freewheel. Flats to fit vice or spanner. Centre hole large enough to clear Continental hub nuts. Case hardened ... 3/9

BENELUX Block pattern for above freewheels ... 2/9

HURET

ALLVIT 1900. The latest gear to be produced by this famous French firm employs a parallelogram action via strong pressed plates with adjustable pivots. The action is mounted in a chrome plated arm of stiff 'U' section. A double roller cage, with vertical as well as lateral movement, ensures a good chain-wrap that will allow differences of 15 teeth on rear and 15 teeth on front changer. Suitable for 3, 4 or 5 speed, neat lever is fitted with a white rubber. **De Luxe Finish 60/-**
Standard Finish ... 39/6



ALLVIT ENSEMBLE De Luxe Finish

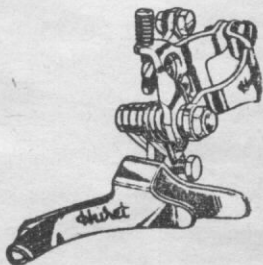
Both front and rear gears illustrated on this page are combined with a neat twin lever for down tube, fitted with white rubbers ... **90/-**
Standard Finish 70/-

ALLVIT FRONT

A further development of the parallelogram system which is of similar design to the rear. A smoothly operating changer, supplied with left down tube lever on twin collar so that right lever may be used to convert to twin control **32/6**

T.D.F. REAR

A very efficient double roller gear. State which pattern, 3, 4 or 5 speed, required **29/6**



FRONT CHANGER. Cable operated from a double right hand lever that is supplied with the gear. Simple-mechanism **27/6**

T.D.F. ENSEMBLE. Front and rear gears operating from a double right hand lever. A sound combination, good value at ... **45/-**

CAMPAGNOLO GRAN SPORT



The gear whose patented action has been copied by all others. The deformable parallelogram ensures a rapid and positive gear change under any conditions. The roller cage is fully supported in all positions by the body which is machined in bronze. Pivot pins are bushed with phosphor-bronze for long life. The first class materials used throughout, combine with precision machining to produce an article whose mechanical efficiency and superb finish has set new

standards for the cycle industry.

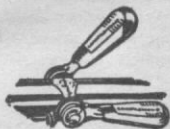
Spring loaded adjusting screws allow any number of gears to be used with the same mechanism over a range of ratios with a difference of 16-18 teeth.

1963 proved once again that Campagnolo gears are the best available for competition work. A tremendously successful season was capped by Jacques Anquetil winning the Tour de France and Best-all-rounder title and Benoni Beheydt the World Professional Road crown.

GRAN SPORT GEAR complete with hanger ...	80/-
Bare Cable model, stainless outer casing and clips	83/-
Handlebar Control model, longer cable, etc. ...	89/-
Handlebar Control Bare Cable model, with clips, etc.	92/-
Pump holder, incorporated in lever, extra ...	4/-

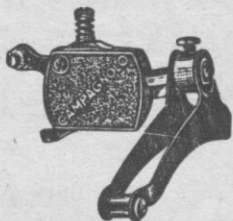
SPORT GEAR, Single roller (Range 16-22T only) 36/4

Lever Rubbers. Fitting over down tube, handlebar control or hub quick release levers. In Yellow, Red, Black, Green, Blue or Grey ... each 1/-
 Allen T Key No. 143/2 ... each 2/6
 Roller Cone Spanner No. 97 9d.
 Spoke Disc No. 55 ... each 3/11
 Campagnolo Transfer showing the trade mark in World Championship colours 6d.



GRAN SPORT FRONT CHANGER

The first changer to have a fully enclosed action, fitting neatly behind the seat tube. Cable from a left-hand lever operates a lever transferring the thrust against the end of the cage bearing rod. The shaft is set at an angle so that the space between cage and rings remains constant, resulting in a clean change every time.



Changer complete with left down tube control 53/6

Bare Cable model, stainless outer casing and clips 55/6

Handlebar Control, with extra cable clips 62/6

Handlebar Control with Bare Cable and clips 64/6

GRAN SPORT ENSEMBLE

Front and rear systems with twin d/tube lever 133/6

Ensemble with Bare Cable and double clips 136/6

Handlebar Control, with extra cable clips 151/6

Handlebar Control with Bare Cable and clips 154/6

RECORD CHANGER

The most up-to-date changer that incorporates the same principles as the rear mechanism. Simple in operation as all good gears are, the cage is mounted on short arms with a strong coil spring to hold the cage in position against the single cable. - Hinged fixing clips.



Changer complete with d/tube lever, etc. 72/-

Bare Cable model, stainless outer casing and clips 74/-

Handlebar Control model, extra cable clips 81/-

Handlebar Control with Bare Cable and clips 83/-

RECORD/GRAN SPORT ENSEMBLE

Record front and Gran Sport rear, twin lever 152/-

Ensemble with Bare Cable, double clips, etc. 155/-

Handlebar Control, with extra cable clips 170/-

Handlebar Control with Bare Cable and clips 173/-

SPORT FRONT CHANGER. Hand operated by a short lever fitting forward of the seat tube 21/8

CAMPAGNOLO GEAR AND FRONT CHANGER SPARES

No. 145 H'bar Rear Inner	3/9	No. 218 H'bar Front Inner	3/-
" 146 H'bar Rear Outer	2/6	" 219 H'bar Front Outer	2/6
" 605 D/tube Rear Outer	2/-	" 607 D/tube Front Outer	2/-
" 606 D/tube Rear Inner	1/6	" 608 D/tube Front Inner	1/3
Cable Clips with Nut & Bolt	1/-	" 649 Clip for Brake Cable	1/2
No. 171/2 Nut/Bolt for Clip	6d.	" 623 Front Steel Outer	2/-
" 622 Rear Steel Outer for Bare Wire	2/-	" 625 Steel Outer for H'bar	5/4

GRAN SPORT REAR MECHANISM

Mechanism less Cable and Lever		Body only	... ..	23/4
	64/-	No. 84 Spring holding bolt		9d.
No. 80/2 Gear Fixing Plate	1/3	" 89 Cable clamp screw		9d.
" 88 Cable Fixing Plate	9d.	" 93 Roller axle		1/-
" 90/1 Roller stop screw	8d.	" 94 Roller cone bolt		1/3
" 92 Inner roller plate	5/-	" 98 Traverse spring c.p.		1/2
" 96 Roller cone adjuster	1/-	" 100 Roller only		6/3
" 99 Adjuster screw	6d.	" 117/8 Cable adj. & nut		1/3
" 114/1 Spring retain. plate	9d.	" 124 Fixing plate bolt		9d.
" 120 Adjuster screw spring	4d.	" 166 Main pivot bolt		3/9
" 125 Fixing plate nut	9d.	" 168 Outer roller plate		5/6
" 167 Tension spring	1/3	" 506 Tension pivot bolt		3/9
" 169 Roller complete	7/3			

GRAN SPORT FRONT CHANGER

Mechanism complete less lever and cable	... ..			37/6
No. 202 Main body	16/-	No. 203 Inner control arm		1/3
" 204 Cage bearing rod	1/-	" 205/6 Cable clamp		1/4
" 209 Inner main spring	1/-	" 210 Frame clip bolt		1/-
" 211 Frame Clip	2/-	" 212 Control arm pivot screw		8d.
" 213 Cage fixing screw	8d.	" 214 Cage only		10/8
" 215 Cage spacer bolt	6d.	" 214 Bis Cage complete		12/4
" 216 Cage spacing roller	6d.	" 217 Cage spacing nut		6d.
" 226 Adjuster bolt spring	4d.			
" 227 Adjuster bolt	8d.			

LEVERS AND LEVER SPARES

No. 1012/3 H'bar control	21/-	No. 1014 Twin D/tube lever	25/6
" 1013/1 Rt. D/tube lever	12/9	" 1015 Left D/tube lever	12/9
" 200/2 H'bar control body	7/8	" 201 H'bar lever only	6/4
" 137 Sector expan. screw	2/-	" 138 Sector each	1/3
" 139/2 Hexagonal screw	9d.	" 139/1 Pivot lock nut	6d.
" 140/1 Pivot screw	9d.	" 174/1 Friction washer	2d.
" 174 Friction washer	2d.	" 142 Segment retainer	2d.
" 600/2 Right back plate	1/3	" 173 Rubber lever cap	1/-
" 602 Left D/tube lever	4/8	" 601 Right D/tube lever	4/8
" 604 Friction adj. screw	8d.	" 603 Friction cover	8d.
" 609 Clips nut & bolt	9d.	" 604/1 Friction adj. w/nut	1/3
" 611 Left lever collar	7/8	" 600 Right lever collar	7/8
" 611/2 Left back plate	1/3	" 612 Cable stop	8d.
" 610 Twin lever collar	12/9	" 619 Cable ferrule	3d.
" 660 Brazed-on boss	1/6	" 661 Brazed boss collar	8d.

RECORD FRONT CHANGER SPARES

1052/1 System complete less lever and clips	...	...	...	56/-
773 Body	16/8	774 Adjusting screw		6d.
775 Adj. locking spring	4d.	776 Body clamp bolt		1/4
777 Body clamp nut	6d.	778 Cable clamp arm		8/-
779 Cable clamp bolt	9d.	780 Cable clamp washer		9d.
781 Upper pivot pin	8d.	782 Short pivot arm		6/4
783 Lower pivot pin	8d.	784 Bis Cage complete		12/4
784 Cage only	11/4	785 Bronze pivot bush		4d.
786 Upper pivot	1/-	787 Tension coil spring		1/3
788 Lower pivot	1/-	789 Pivot bolt nut		6d.
790 Cage spacer	6d.	791 Cage spacer bolt		6d.

QUICK RELEASE HUB SPARES

Front Blocage complete	16/8	Rear Blocage complete	16/8
Front Hollow spindle comp.	9/8	Rear Hollow Spindle Comp.	11/4
1 Ft. Spindle locknut	9d.	18 Conical skewer spring	8d.
19 Ft. Q/R spindle only	4/-	25 Ft. Gran Sport cone	2/4
25/R Ft. Record cone	2/4	29 Rear spindle only	4/8
32 Rear G. Sport cone	2/4	32/R Rear Record cone	2/4
33 Rear spindle 1/nut	1/4	35 Ft. spindle washer	4d.
36 Rear spindle washer	4d.	46 Rear spacing collar	8d.
59 Conical adj. comp.	9/-	60 Q/R lever housing	3/8
61 Q/R lever complete	4/-	64 Ft. skewer only	3/8
65 Rear skewer only	4/-	738 Rear Record ball cup	4/8
737 Ft. Record ball cup	4/8	740 Rear Record dust cap	1/8
739 Ft. Record dust cap	1/8		

SOLID SPINDLE HUB SPARES Where different to Q/R

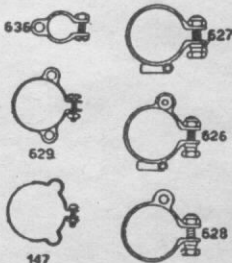
Track Front spindle comp.	11/-	Track Rear spindle comp.	12/-
19/P Track Ft. spindle only	4/4	29/P Rear Track spindle	5/-
33/P Track Rear 1/nut	1/4	743 Sprocket lock ring	3/-
Gran. Sport spindle comp. Ft.	7/-	G.S. Rear spindle comp.	7/8
Gran. Sport Ft. spindle only	2/8	G.S. Rear spindle only	3/-

BARE WIRE GEAR STOP AND CABLE CLIPS

No. 626. Down tube stop for front and tunnel for rear gear	...	5/8
No. 627. Down tube right gear tunnel only	...	4/8
No. 628. Down tube stop for front changer only	...	4/-
No. 629. Down tube double stop for handlebar control	...	4/4
No. 636. Chainstay gear cable stop 13 mm.	...	2/8

CABLE CLIPS

No. 147. Double down tube	1/-
No. 148. Single down tube	1/-
No. 149. Chain stay 22mm.	1/-
No. 659. Chain stay 15mm.	1/-
No. 170. Chain stay 13mm.	1/-



CAMPAGNOLO CLIPS

PORTA-POMPA. Special clips in the usual high finish expected from Campagnolo. Trade marked.

Left lever with pump-holder 16/9

Right lever with pump-holder 16/9

Twin lever with pump-holder 29/6

No. 632. Simple pump-holder 7/-

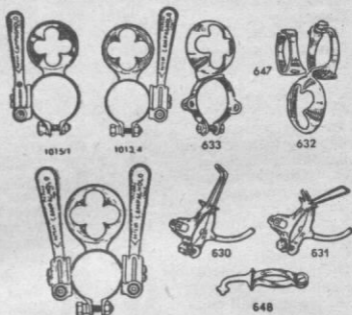
No. 633. Holder and twin stop 8/-

No. 647. Top tube adaptor shim 1/4

No. 630. Tunnel/stop with d/tube pump cradle 7/-

No. 631. Tunnel/stop with seat tube cradle ... 7/-

No. 648. Simple pump peg 4/-



These clips allow a pump to be fitted in almost any position, either with or without pump adaptor No. 1030.



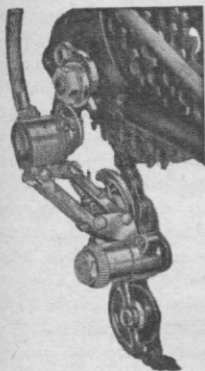
BENELUX GEARS

SPORT P2. Produced to meet the demand for a parallelogram action in the 'popular' price range. This gear, fitted as 'equipment' by many cycle makers, has proved efficient in operation. With right hand down tube control. Complete 45/-

MARK 8 Tourist

Designed to operate with sprockets from 13-28 teeth and up to 15 tooth jump on the front changer. Fitted from the rear drop-out, the 'Tourist' is very much like the Mk. 7 illustrated opposite but is fitted with a long jockey arm and more powerful tension spring to absorb the greater variation in chain length caused by wide ratios 35/-

BRITISH BENELUX



SUPER 60 SIX. A special version of the well tried Super 60 gear enabling the throw to encompass a 6 speed freewheel made by Cyclo, in ratios from 13T to 28T. A widely spaced hub is specially produced by British Hub Co. for use with this gear and the recommended maximum range is 13T to 26T. Complete with freewheel ... 98/6

SUPER 60 (Illustrated). Built in the modern style of construction, employing twin parallel moving arms to support the roller cage and chain tensioning spring. Positive adjustable stops limit gear throw and arm swing. Well chromed with attractive coloured enamel 'motif'. Suitable for any block, $3 \times \frac{1}{8}$ " to $5 \times \frac{3}{32}$ ". Complete but less freewheel 70/-

MARK 7. (Illustrated below.) The most successful shaft mounted double roller gear. With adjustable arm movement stop and simple chain tension control. Easy to fit and maintain. Two models: one for $4 \times \frac{1}{8}$ " and $5 \times \frac{3}{32}$ ", the other suits $3 \times \frac{1}{8}$ " and $4 \times \frac{3}{32}$ " 31/6

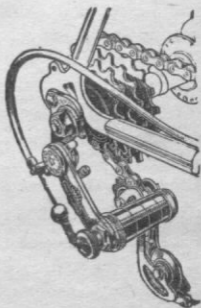
SPORT FRONT CHANGER.

A new cable controlled front changer designed to work over two or three chainrings. The back plate of the cage has been deepened to facilitate operation over wide ratios. A square shaft minimises cage 'rock' and the whole movement is solidly controlled. Supplied with double clip and left lever only as below:—

SPORT/Mk. 7. Changer with Mk. 7 left lever and double clip, so that twin lever may be assembled ... 30/-

SPORT/P2. Changer with P2 left lever and double clip 31/6

SPORT/S60. Changer with Super 60 lever and double clip 32/6



SHAN FRONT CHANGER. Rod controlled by a long cranked lever pivoted at a swivel-clip on the down tube. A very positive change obtained but rider must stretch down between legs 26/3

SIMPLEX GEARS

PRESTIGE 532

This model offers an entirely new approach to cycle gearing. The main parallelogram is made of plastics which it is said will stand far more distortion than steel. The one model will operate silently and efficiently over all types of ratios with a range of up to 32 teeth. No maintenance is required as the Nylon rollers and body pivots are self lubricating. Complete with white plastic lever and clip.

No. 532P. Std. model	39 / 6
No. 532N for use with Simplex forged rear ends	... 39 / 6
No. 532N / C for use with Campag. forged rear ends	42 / 6



PRESTIGE FRONT

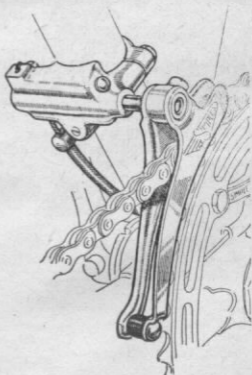
AV223. The working parts of this changer are set in a white plastic body to match the gear. Supplied with plastic left lever and double clip 33 / 9

PRESTIGE ENSEMBLE

Above gears with twin lever for Std. or Simplex ends ... 69 / 9
 For Campagnolo ends ... 72 / 9

COMPETITION De Luxe Changer

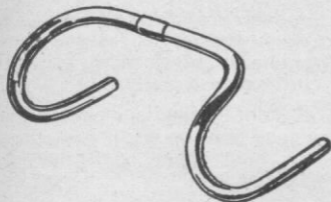
A hand operated rod control from a swivel clip on the down tube. Deep cage gives positive change 19 / 9



STURMEY ARCHER HUB GEARS

A.W. Standard wide ratio 3 speed, Flick control	... ..	49 / 5
F.W. Standard wide ratio 4 speed, Flick control	... ..	52 / 10

HANDLEBARS Alloy



ALLEZ MAES

The most popular shaped bend in this country and most commonly used on the Continent. The 'square' form gives comfortable hand positions on both the 'tops' and 'drops' with the brake levers sitting straight forward, allowing full use of

the hoods. In heavy gauge alloy of $\frac{1}{8}$ " diameter the centre is bulged to 1" for rigid fitting in the stem. 15 $\frac{1}{2}$ " wide from centre to centre and 5 $\frac{1}{2}$ " deep 13/6

G.B. REINFORCED BENDS WITH ENGRAVED FERRULE

With a 5" raised, engraved centre with internal reinforcement. Ventoux. Similar to Maes but 1" deeper and $\frac{1}{2}$ " longer forward reach. Tourmalet. Between Maes and Ventoux 5 $\frac{1}{2}$ " x 15 $\frac{1}{8}$ " x 3 $\frac{1}{2}$ " ... 19/6
Chrome Plated on Alloy. Either of the above. High polish ... 26/-

G.B. ALLOY BENDS WITH ENGRAVED FERRULE

Maes 5 $\frac{1}{8}$ " x 15" x 3 $\frac{1}{2}$ ". Olympic 5 $\frac{1}{8}$ " x 14 $\frac{1}{2}$ " x 4 $\frac{1}{2}$ ". Road Champion 6 $\frac{1}{2}$ " x 15 $\frac{1}{2}$ " x 2 $\frac{3}{8}$ ". Touring 4" x 15 $\frac{1}{2}$ " x 4". Wide Touring 4" x 17 $\frac{1}{2}$ " x 4". All at 17/-

G.B. FLAT ALLOY BENDS (Non engraved)

All Rounder 1 $\frac{1}{2}$ " x 23" x 1 $\frac{1}{2}$ " 12/6

HANDLEBARS Steel

G.B. ENGRAVED. Maes and Olympic patterns only, $\frac{1}{8}$ " diam. with centre bulged to 1" diam. Highly polished chrome finish. Either type 18/-

CINELLI. Bends from this famous manufacturer are formed from high grade steel and the finish is brilliant chrome plate. A range of shapes in three separate groups are available as follows:

ROAD PATTERN ENGRAVED. $\frac{1}{8}$ " with 1" diam. centre:

No. 15 Tour of Britain 6 $\frac{1}{2}$ " x 15 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ ". No. 16 Campione del Mondo 5 $\frac{1}{2}$ " x 15" x 3 $\frac{1}{2}$ ". No. 17B Giro d'Italia 5 $\frac{1}{2}$ " x 15" x 4 $\frac{1}{2}$ ". No. 17D Special Giro d'Italia 5 $\frac{1}{2}$ " deep x 15" wide x 4 $\frac{1}{8}$ " forward reach, all at ... 24/-

ROAD PATTERN PLAIN. $\frac{1}{8}$ " with 1" diam. short centre ferrule:

No. 11 San Remo, 6 $\frac{1}{2}$ " x 15" x 3 $\frac{1}{2}$ ". No. 12 Gran Fondo, 6 $\frac{1}{2}$ " x 15" x 2". No. 13 Koblet, 7" x 15 $\frac{1}{2}$ " x 3". No. 15 Tour of Britain, 6 $\frac{1}{2}$ " x 15 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ ". No. 16 Campione del Mondo, 5 $\frac{1}{2}$ " x 15" x 3 $\frac{1}{2}$ ". No. 17B Giro d'Italia, 5 $\frac{1}{2}$ " x 15" x 4 $\frac{1}{2}$ ". No. 17 Corsa Strada, 6" deep x 15" wide and 3 $\frac{1}{2}$ " forward, all at 20/-

TRACK PATTERN PLAIN. $\frac{1}{8}$ " diam. heavier gauge steel with 1" diam. centre.

No. 14 Pista, 7" x 15" x 5 $\frac{1}{2}$ ". No. 18 Madison, 6 $\frac{1}{2}$ " deep x 14 $\frac{1}{2}$ " wide x 4 $\frac{1}{2}$ " reach, both at 24/-

HANDLEBAR TAPE

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

ALLEZ!

TWILL. A stout herringbone pattern that provides a good non-slip grip. In colours:
 black, white, red, yellow, green, orange,
 royal or light blue roll 2/-

QUELDA Embossed Plastic. With self adhesive coating on the back for simple fitting. Six colours: black, white, blue, yellow, red or green roll 1/9

GEM Embossed Plastic in three yard rolls $\frac{3}{4}$ " width. Black, green, white, red, blue, or ice-blue roll 1/-

Translucent Colours. Ruby, emerald, magenta, sapphire-blue (both types non-adhesive, seal with heat) ... roll 1/-

HANDLEBAR PLUGS

DUNLOP (illustrated). A tough rubber with expander screw to lock it into the end of the bar. While stocks last.

Red or off-white ... Pair 2/-

DARE. Handlebar plug.

Ridged for grip. Blue, black, claret, green, beige or grey ... Pair 1/-



HANDLEBAR STEMS

IL PRIMO (illustrated).

Popular steel stems of lapped design with sloping extensions of various lengths and a semi-drophead clip. The bright chrome offset by a smart three colour badge giving a most distinctive appearance.

$2\frac{1}{4}$ " or $2\frac{3}{4}$ " forward extension	18/-
$3\frac{1}{4}$ "	19/-
$3\frac{3}{4}$ "	20/-
$4\frac{1}{4}$ "	21/-
$4\frac{3}{4}$ "	22/-



G.B. HANDLEBAR EXTENSIONS

New Style stems made from solid forgings in light alloy. Following the Continental trend with flush back lap and 'rounder' clip set central to the extension.

2 $\frac{3}{4}$ " 23 /-

3 $\frac{1}{2}$ " 24 /6

Chrome Plated finish. Extra ... 3 /-

Spearpoint Alloy. Made from solid as the above, but with the oval section finished off by a long spearpoint running from the lap to the semi underslung clip.

2" 17 /6 2 $\frac{3}{4}$ " 18 /-

3 $\frac{1}{2}$ " 19 /9 4" 21 /-



CINELLI H/BAR EXTENSIONS

PLAIN STEEL. Good looking steel stems from the famous firm of Cinelli cycle makers from Milan. The heavily chromed stems are distinguished by extra-wide handlebar clips. All joints are smoothly brazed with very clean lines. Various lengths: 2 $\frac{3}{4}$ ", 3 $\frac{1}{2}$ ", 3 $\frac{3}{4}$ ", 4 $\frac{3}{8}$ ", 4 $\frac{3}{4}$ " or 5 $\frac{3}{8}$ ", all at 27 /-

CINELLI BADGED. As above but with the addition of a colourful Cinelli crest badge. Very smart. All sizes 30 /-

RACING MUDGUARD EXTENSIONS

ALLOY. A useful accessory to the racing man or anyone that wishes to avoid the wind resistance caused by a full mudguard. Short polished alloy deep sectioned extensions for front or rear stop grit and wet from being thrown into the face and offer protection to saddle and lower back.

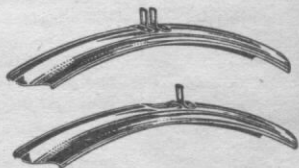
Front single bracket 2 /6

Rear double bracket 2 /10

CELLULOID White

Flatter ribbed section.

Front or rear 2 /6



STAINLESS. Weinmann 10". Highly polished guard of sturdy cross section. Ridged at front and back. Pair 10 /-

HEAD FITTINGS

CAMPAGNOLO (illustrated)

The famous Italian firm offer two models, both with precision ground, absolutely true, bearings. The races are highly polished and coated with special hard chrome. The Road model has $\frac{3}{16}$ " balls in a special cage and the Path model runs on 26 balls $\frac{5}{32}$ " in upper and lower races. Screwed race and locking nut are flatted to fit octagonal spanner. Care must be taken when fitting to ensure that the finely machined races are absolutely square and then the set will give long service.

N.B. Races may be easily pitted during the assembly. Do not over-tighten when fitting.

Road set No. 1039. $\frac{3}{16}$ " balls ... 44/9
 Path set No. 1040. $\frac{5}{32}$ " balls ... 44/9



T.D.C. HEADSETS

Prima. The latest set to be introduced on the Continental $\frac{5}{32}$ " cup and cone pattern. Good quality bearings with wide chamfered outer faces. Neatly knurled screwed race with lower frame to match, set 9/9

Italia. Basically the same as the above, the outer faces of the races follow the shape of the balls. The screwed race is dogged for adjustment and counterbored, the spacer sitting into the race, set 8/6

Continental S. With $\frac{5}{32}$ " races of 'V' design. Decagon serrated screwed race and locking washer, set ... 10/-

Super K. $\frac{5}{32}$ " inserted cup and cone races. Octagonal screwed race, lock-nut. With keyed spacing collar 6/9

Continental J. $\frac{5}{32}$ " cup and cone bearings. Knurled adjustment ... 6/6



STRONGLIGHT

Competition. Best French set with lower frame race and crown race of 'V' design, knurled lock nut and screwed race allow finger adjustment which is locked by serrated alloy collar 24/6

P3. Similar set but with cup and cone bearings ... 18/6

CHATER LEA

Head-clip fittings for 1/8" balls, the best set of this type ever produced. As no longer generally fitted we list below replacement spare parts Set 19/6

No. 1584. Head clip complete with race and bolt 11/6

No. 1382. Ball races for frame cups each 2/2

No. 366. Fork crown race, cup design 2/10

No. 443. Head lock nut (26 TPI x 1") 2/10

HUB TRACK NUTS

CAMPAÑOLO. Designed for use with the Record Track hubs only. Special size front thread. Usual high finish Pair 4/9

ROSA (illustrated). Ever popular.

Bright Cadmium finish Set of 4 1/11

Chrome plated... Set of 4 2/5

VENDOME (Domed ends).

Chrome plated only Set of 4 3/10

ROSA Bumper track nuts, extended to protect derailleur gears Pair 5/3

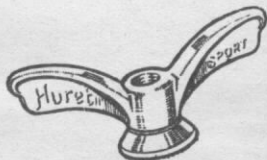
Gear Protector Nuts, chrome

Pair 3/-

HUB WING NUTS

HURET. Chrome plated over cast bronze, cannot rust and will not damage axle threads. Serrated ferrule. Boxed in sets of 4 6/-

G.B. Alloy with long lever one side, round thumb rest on other for easy and rapid removal Pair 5/6



HUB COGS, Etc.

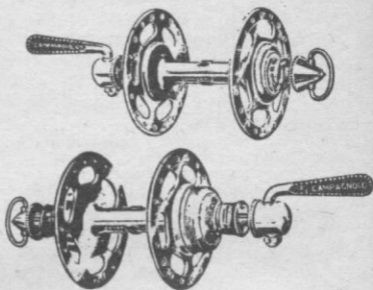
1/2" x 1/8" best quality, offset only 12-16T	2/2
1/2" x 1/8" ditto, offset only sizes 17-22T	2/4
1" x 3/16" central set only. 6T to 10T	2/9
1/2" x 3/32". T.D.C. offset fixed sprockets 12-22T	3/1
Lockrings Standard dogged pattern	5d.
Lockrings for 12T sprocket, undercut for chain clearance	6d.
Spacers for fitting behind sprockets or freewheel	3d.

CAMPAGNOLO QUICK RELEASE HUBS

RECORD

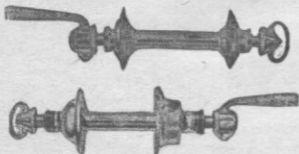
SOLID ALLOY

The best hub made! Machined from solid blocks of alloy so that there can be no movement between barrel and flanges. Distinctive flange cut-outs for maximum weight saving without loss of strength. Fitted with the famous Campagnolo 'Blocage' instantaneous release.



Drilled 32/40, 36/36, 28/28 and 32 hole rear:

Large Flange. Single sided for gear only	...	...	pair	104 /8
Front hub only	...	49 /8	Rear hub only	...
Small Flange. Single sided for gear only	...	...	pair	95 /6
Front hub only	...	45 /6	Rear hub only	...
				50 /-



GRAN SPORT

Highly polished alloy flanges mounted on hard chromed steel barrels. The large flange double drilled for lightness. The Quick Release is superb in use, a single

finger sufficient to release same from a locked grip. A thick skewer is fitted to the front spindle, which is made larger to accommodate it, to guard against breakage or loss of grip by stretching. Adjusting nuts are locked by sprung bronze plungers and conical springs centre the spindle for easy wheel replacement.

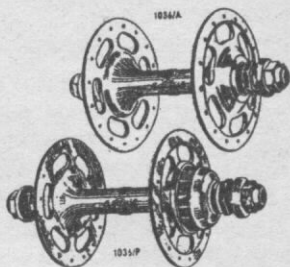
Large Flange. Drilled 32/40 and 36/36 only. Threaded for Gear and fixed, Single Fixed, Double Sided Fixed and Single Sided Gear

Front hub only	...	39 /-	Rear hub only	...	52 /-
Small Flange. Drilled 32/40 and 36/36 only. Threaded for S/S/Gear, G/Fixed, S/S/Fixed and D/S/Fixed as above	...	...	pair	69 /9	
Front hub only	...	29 /9	Rear hub only	...	40 /-

CAMPAGNOLO SOLID SPINDLE HUBS

RECORD TRACK SOLID ALLOY LARGE FLANGE

Used by Riviere during his amazing Hour Record. These hubs are designed to meet the robust demands of the trackman. The solid alloy barrel ensures that all drive is transmitted from sprocket to spokes and the front hub has a thick axle for extra strength. Supplied with track nuts and lock-ring, the standard rear and special size front nuts are available as spares should replacements be necessary.



Drilled 32/40, 36/36, 28/28 and 32 hole rear.

Large Flange, Single Sided Fixed only	...	...	...	...	89 /6
Front hub only	...	40 /4	Rear hub only	...	49 /2

GRAN SPORT

The same barrel as opposite mounted on solid spindles with first-class bearings. These hubs are designed for use with the Campagnolo drop-outs; the rear hub is spaced out to gear width and the front is fitted with the larger axle allowing Quick Release fittings to be interchanged. Gear sided or gear and fixed, drilled 32/40 only. Fixed or double fixed, drilled 32/40, 28/28 holes.

Large Flange.	Single sided gear,	Gear and fixed,	Double fixed and		
Single sided fixed	...	...	...	pair	62 /3
Front hub only	...	26 /6	Rear hub only	...	35 /9
Small Flange.	Threadings as above	...	...	pair	41 /-
Front hub only	...	19 /-	Rear hub only	...	22 /-

All Campagnolo hub spares
available, see page 57.

QUICK RELEASE CONVERSION SET

Complete fittings; front and rear hollow spindles with cones, spacers and locknuts; skewer complete with springs, adjusting nut, control lever, etc. Will convert the Gran Sport hubs listed above to Quick Release

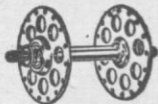
Release	set	54 /3
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SOLID SPINDLE REPLACEMENTS

Front Spindle complete with cones, locknuts, etc.	7 /-
Rear Spindle complete with cones, spacers, etc.	...	...	7 /8

BRITISH HUB CO. HUBS

A very extensive range of hubs that covers almost everybody's needs. Good quality materials, well finished and light in weight, offer very good value in all price brackets.



AIRLITE CONTINENTAL L/Flange
Sturdy polished alloy flanges set on narrow chrome plated steel barrels. Drilled 32/40, 36/36, 28/28 and 32/32, with various types of sprocket threading. All at 84/3

Quick Release Model, fitted to similar hubs, the front barrel is wider to take skewer. Drilled 32/40 only pair 107/8

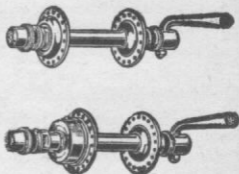
Coloured Flanges. On Large Flange standard drilling (32/40 hole) only. Anodized Red, Blue, Green or Gold.

Extra per pair 4/3

AIRLITE S/Flange

Polished alloy flanges on narrow steel barrels making an extremely light racing hub. Available in many different threadings, drilled, 32/40, 28/28, 32/32 52/9

Quick Release. As above with Q/R fittings as illustrated. All threadings. 32/40 only 76/-



SOLITE, Small Flange. A light, solid barrel, all steel hub of pleasing appearance with good quality bearings. All types of threadings. Drilled 32/40 only 29/2

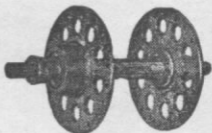
RACELITE. With all alloy wide flange barrels, drilled for lightness (16 ozs.). This hub offers a wide flange at a popular price. In either gear and fixed or double fixed threadings, drilled 32/40 only. Supplied with an alloy spoke disc for use with gears 36/9

BRITISH HUB CO. TANDEM HUBS

AIRLITE. The finest hubs ever made for the 'two-seater'. Light, with a very slender steel barrel and sturdy alloy flanges polished to a high finish. Strong enough to withstand the stresses of 'double-up' effort when touring or racing. Stocked in 32/40 drilling only. Various types of threading available 64/10

AIRLITE CONTINENTAL

As above, but with large alloy flanges to 'spread' the spoke angle and ease the problem of spoke replacement. Drilled for lightness as illustrated. 32/40 only, in all types of threadings 92/11



TANDEM HUB BRAKES

Super Tandem. Complete with steel brake levers and cable-cum-rod controls. Gear sided only with 4" internal expanding drum brakes, efficient in all weathers 137/7

Super Special Tandem. As the Super Tandem but with larger 4 $\frac{5}{8}$ " brake drums and $\frac{7}{8}$ " wide steel shoes. Equal size spoke flanges build a strong wheel 150/5

SPARE REPLACEMENT HUB PARTS.

For Campagnolo, British Hub Co., B.W. and F.B.
ARE USUALLY AVAILABLE.

CONSTRUCTOR Q/R REAR CONVERSION

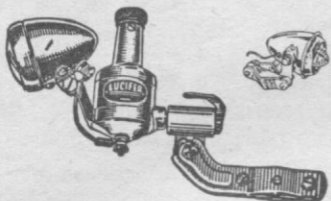
Quick release conversion for the rear hub only. The Q/R skewer is wound out of the hub by means of a short lever and withdrawn. This allows the wheel to drop out, but leaves the fixing nuts in position so that the wheel is automatically returned to the same position 12/6

DYNO-HUB

GH6. A most efficient form of trouble-free lighting used by many Club lads during the winter months. A Dyno-hub built into a spare front wheel saves worrying about batteries and is not subject to pulley slip in bad weather. Supplied with a 2" diam. headlamp and neat rear lamp. Complete with cables, etc. 59/7

LUCIFER DYNAMO SETS

A two years' guarantee is an indication of the quality of these famous sets. We only stock Lucifer as we have found them to be without equal for finish and performance. All sets incorporate the No. 800 'baby' 6v. 0.5 amp. dyno, which produces a good light at three miles per hour and full output at seven m.p.h. Meets new 'British Lighting Standard'. Swiss made, range as follows:



No. 807F Combi.

As illustrated. Fits to left fork blade with headlamp on bracket from dyno. Neat rear lamp that meets British legal requirements

42/-

No. 807G,

As Combi but with lamp fitting to the mudguard

42/-

No. 820A. "Aero". Streamlined 2 $\frac{1}{8}$ " diam. headlamp embodying one bulb 45/-

No. 816A. "Lux". This set has a long beam headlamp with 2 $\frac{3}{4}$ " diam., but weighing only 6 $\frac{1}{2}$ oz. 45/-

No. 814A. "Aero-Bi". This has a similar headlamp to the 820A but carries two bulbs 50/-

No. 819A. "Bi-Lux". Headlamp embodies 2 bulbs and two-way switch. Headlamp weighs 7 oz. 50/-

No. 809A. "Battery". Headlamp 3 $\frac{1}{8}$ " diam. taking stand-by battery embodying 2 bulbs 6v. 0.4 amp., for dynamo 3.5v. 0.2 amp. for battery or dynamo. Special resistance for the pilot bulb for use on dynamo incorporated in four-way switch 50/-

No. 822A. "Focus". 2 $\frac{3}{4}$ " headlamp with 2 bulbs. Main bulb can be focussed to adjust from intensive long beam to brilliant local light 52/6

No. 800. Dyno only. 6v. 3 watt, complete with bracket 25/-

Rear Lamps. Complete with cable, bulb and bracket 5/-

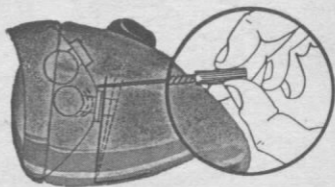
Pulley Rubbers. 'Luci-grip' saves tyre wear ... 9d.

Bulbs. Use 6v. 0.4 amp. front with 6v. 0.1 amp. rear to meet new rear light regulations 10d.

LUCIFER

Headlamps only:

Nos. 7F 'Combi' and
7G m/gd. fitting. 12/-
Nos. 16A 'Lux' and
20A 'Aero' ... 15/-
Nos. 14A 'Aero-bi',
19A 'Bi-lux' and 9A
for 'Battery' all at 20/-
No. 22A 'Focus' shown
in illustration. 22/6



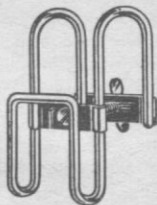
LAMP BRACKETS

PETERS (Illustrated)

A neat clip made from heavy gauge wire, fitting over the handlebar it raises the lamp from the usual boss on the forks to a less vulnerable position. Chrome plated 2/9

TERRY. Handlebar lamp bracket. Wing nut fitting. Chrome plated 2/9

TERRY Basket patt. Clips over the handlebars, lamp hangs below the bends. Silver finish 1/6



CONSTRUCTOR Conloy with snatchproof screw, in polished alloy. Complete with bolt for brazed-on boss 4/-

CHATER LEA. Chrome plated, right or left hand, with bolt 3/-

Cadmium plated, bright silver finish, with bolt 1/9

Clip-on. To fit oval fork blade. Chrome plated 4/4

MAPS

A good map of the area is a cyclist's right arm.

BARTHOLOMEW'S famous 1/2" to the mile maps are ideal for the cycling tourist. Showing Youth Hostels, National Trust Properties, Inns and Tracks as well as Contours and usual information. On cloth Nos. 1 to 59 normally stocked, others to order 5/-
1/2" Dissected, as above mounted on cloth, do not wear on corners. Not stocked, but can be quickly obtained to order 10/-
Road Atlas. Page size 10" x 7 1/2", scale 1/5" to the mile 15/-

OILERS

TECALEMIT Nipples. 3/16" diam. Positive feeding ... each 5 1/2d.

OIL GUN. Visigun. For use with Tec. nipples, giving power oiling where required. Transparent body 6/8

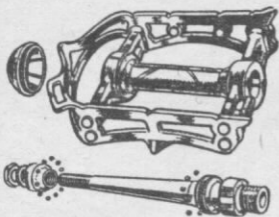
DERMIC OILER. Ideal for the lubrication of Continental hubs, gears and freewheels that have tiny oil inlets. Operates as a hypodermic. Sturdy construction 5/11

Spare Dermic Needles Standard 1/-, Long Curved 1/6

Replacement plunger washers, correct size essential 6d.

PEDALS

CAMPAGNOLO No. 1037



The finest pedal ever produced. With polished alloy barrel of forged single unit construction, housing races of special hard chrome finish, for exceptional bearing life. The spindle is ground and polished nickel-chrome steel, the bearing radius and cone finished in

hard chrome. A 'rapid' oilgroove between the barrel and spindle combines with a perfectly fitted dustcap to prevent any dust penetrating. The frame, of best quality steel, carries two special clips retaining the toe-strap in the correct position. Aided by a small projection on the back-plate the clip can always be 'picked up' smoothly. Special provision is also made for the toe clip by two neat studs set in the front plate. All finished in exceptionally heavy chrome plate.
Road patt. No. 1037 80/-

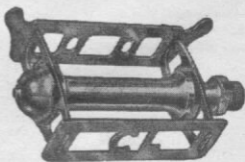
TRACK Pedal No. 1038. With barrel as Road pedal above. The steel side plates are only three inches wide, having no Quill extension beyond the spindle. Plates have four small indentations only as Road model **80/-**

TRACK Pedal No. 1038/1. Exactly as above, but with deep teeth cut into the short sideplates **80/-**

Pedal Spanner No. 710. Specially made to remove the knurled dustcap and loosen the cone locking nut. Chrome plated **4/11**

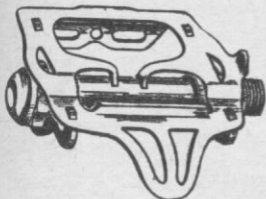
CHATER-LEA

"Sprint" (illustrated)
 Stainless steel frames. A single sided pedal with smooth sideplates to accommodate shoe plates. $\frac{5}{32}$ " bearings lubricated through shaped end cap **38/6**



"Standard". Similar pedal, stainless frames with cones and spindles precision ground, but double-sided **38/6**

LYOTARD PEDALS



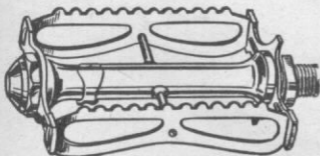
Ever increasing in popularity the large range of steel and alloy pedals imported from France offer unsurpassed value within their price range. Spares are available for all types listed.

No. 23. Marcel Berthet (illustrated). A very light platform type pedal weighing only 11 ozs. Will fit any size shoe. Provision is made for fitting shoeplates, a ridge just in front of the 'pick-up' tongue locating in the slot of the plate. Toe clip and Toe strap slots as in normal shaped pedal **18/9**

Faucheaux Road. A neat single sided pedal with toothed side plates cut away underneath, weighing only 13 ozs. On a solid axle of $3\frac{1}{2}$ " width, the end of the spindle is drilled for lightness **15/-**

No. 15S (illustrated)

A popular single-sided pedal with cut-away side-plates, supported at the centre by a bridge to the solid centre barrel. A width of $3\frac{1}{2}$ " will accommodate most shoe sizes. Weight 14 ozs. ... **14/6**



No. 15 Bis. Tour de France. Double-sided serrated frame on solid barrel. Width $3\frac{1}{2}$ ". Weight 15 ozs. **14/6**

No. 460 Alloy. Very light, double-sided serrated plates of $3\frac{1}{2}$ " width with centre supporting brace **14/-**

No. 460A. Double-sided frame on a simple tubular barrel for general use. $3\frac{1}{2}$ " wide. Weight $13\frac{1}{2}$ ozs. ... **9/6**

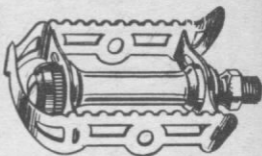
No. 462. As above but single-sided frame. $12\frac{1}{2}$ ozs. **9/3**

LYOTARD QUILL

No. 45. A neat quill all-steel pedal with a short solid centre barrel and strongly constructed frame. Width $3\frac{1}{2}$ ". Weight 13 ozs. **15/9**

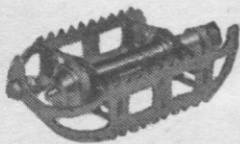
No. 45CA. Made in the same pattern on the same steel barrel but with a light alloy frame which saves 2 ozs. Weight 11 ozs. **16/-**

No. 45TER. Saving a further ounce this model has the alloy frame mounted on an alloy barrel, total weight 10 ozs. only **19/6**



CONSTRUCTOR PEDALS

Super Asp. A platform pedal made from the famous Conloy alloy. A flat plate design gives more support to the foot and will accommodate any size shoe. Provision is made for fitting toe clips and straps. A curved extension allows first-time 'pick-up' of the clip. Weight 16 ozs. ... **45/-**



Brillani. The latest of the range, a quill pedal (illustrated) with the side plates made of stainless steel. Heavily chromed barrel is mounted on first class bearings lubricated by grease nipple set in the solid alloy dustcap... **52/3**

Viper. A double-sided pedal with solid centre barrel. Neat and well finished in chrome plate. Weight $14\frac{1}{2}$ ozs. **21/6**

**SPARES ARE STOCKED FOR
CAMPAGNOLO, CHATER, LYOTARD
AND CONSTRUCTOR PEDALS.**

PHILLIPS Apollo. A neat double-sided lightweight steel pedal. Chrome plated. Weight 16 ozs. **8/11**

BRAMPTON No. 101. A well made light 'Quill' pedal with alloy dustcap and narrow solid barrel. Highly polished chrome finish. Width only $3\frac{1}{4}$ ", weight 15 ozs. ... **16/6**

PUMPS

- APEX Ultralite Racing.** 17" x $\frac{7}{8}$ ". A sturdy alloy pump with brass inserted connector block. Red, White and Blue rings form hand-grip. High pressure connector. The shorter length allows it to be fitted inside the seat tube on quite small frames 7/6
- SKS. No. 19.** $\frac{7}{8}$ " x 18" Plastic pump (actual measurement with built-in plastic adaptor, 20"). In Blue or Black 8/11
- No. 19/CHD.** As above but with five decorative rings and a chrome plated cap to the handle. Blue or Black 10/6
- BLUEMELS. Tour of Britain.** 1" diameter polished alloy with coloured rings forming hand-grip. 18" only. H.P. connector 10/9
- Airweight.** Polished alloy, smaller section. 18" only 7/3
- Popular 15".** Robust $\frac{7}{8}$ " plastic pump. Black or White 5/3
- Popular 18".** As above. Black or White 6/3

PUMP CONNECTORS

- CAMPAGNOLO Adaptor No. 1030** English patt. Heavily chromed with locking grub-screw and rubber covered feet to sit against tube. French patt. No. 1030/3 to fit Zefal. Italian patt. No. 1030/2 with squared boss. All at 10/-
- A.F.A. Alloy push-on adaptor...** 2/-



- BLUEMELS No. 9a Connection** fits Woods or H.P. valves 1/3
- P9 Connection.** As above with reinforced braiding 1/6
- APEX Connection.** Very flexible for High Pressure valves 1/1

CLIP-ON PUMP PEGS

CYCLO Pump Pegs. Sturdy conical nosed pegs brazed into chrome plated clips to suit 1" or $1\frac{1}{8}$ " tubes pair 4/-



MINIMA Pump Pegs. French screw-on clips that cannot twist. Heavily chromed. 1" or $1\frac{1}{8}$ " for d/tube pair 2/9

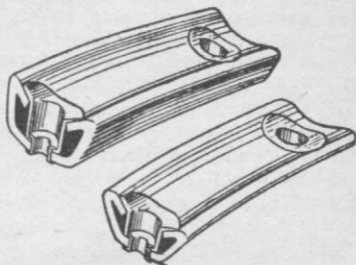
TERRY Pump Clips. Push-on clips, 1" x $\frac{7}{8}$ ", heavily chromed

with strong spring. The track man's favourite, no fitting time 2/9

RIMS—SPRINT

FIAMME

The rim fitted with 'Longhi' patent spoke seating as shown. The spoke tension is spread equally over both rim faces so that a very rigid wheel can be built to withstand the stresses of races over poor surfaces. No washers are needed under



the spoke heads which 'bed-down' at the correct angle. Two patterns Track and Road. 27" only. Used by many of the Continental Professionals particularly in Italy where they are made to combat rigorous conditions.

Road 14 ozs. Drilled 32/40, 36/36 only ... pair 49/11

Track 12 ozs. 32/40, 36/36 and 28/28 ... pair 49/11

MAVIC Piste. Famous French rim of similar design drilled 28, 32, 36 and 40 holes. 27" only ... pair 71/6

Montlhery. As above but of lighter weight... pair 76/6

WEINMANN Hollow Alloy. A 13 ozs. rim of flat section with well and edge milled for tyre and brake block grip. 27" drilled 32/40 or 36/36 only ... 57/6

Wood-lined. Very light at 11 ozs., the flat section is made more rigid by the wood lining which allows the spokes to seat themselves into the rim and disperses heat generated by constant braking on long descents. 27" drilled 32/40 or 36/36 holes only ... 55/-

CONSTRUCTOR Conloy. 12½ ozs. Probably the strongest hollow sprint rim made, has a very deep well so that most tubulars need a rim tape to lift them from the edge or the walls are liable to chafe. 27" only ... 54/-

SPRINT WHEEL CARRIERS

CLIFF PETERS. Extremely tough alloy, with open-ended slot for front spindle and side opening slot for carried wheels. Very light, suited for use with Q/Release hubs. Polished or in Anodised colours ... pair 4/11

CYCLO. Rosa. The famous steel carriers. Chrome. pair 5/-

RIMS—WIRED ON

FIAMME

Famous Italian alloy rims weighing only 18 ozs. They are specially designed for extra strength and have proved to be reliable in use. Highly polished, the alloy is scoured at the sides for better brake block grip in wet weather. Drilled 32, 40 and 36 hole only. Available only in 27" pair 35/6



CONSTRUCTOR Asp. The best known of this range and a firm favourite for many years. Made from a hardened and tempered tube, the hollow section is strong and light. Weighing 17 ozs. In either 26" or 27" pair 66/6

Brillani. A rim introduced last year in place of the now discontinued Boaloy. Weighing 17 ozs. this rim has a wider section than the Asp and is not so deeply welled. Of the popular hollow construction in either 26" or 27" 56/6



WEINMANN
Alesa
Alloy

First class Swiss made lightweight rims for racing or touring.

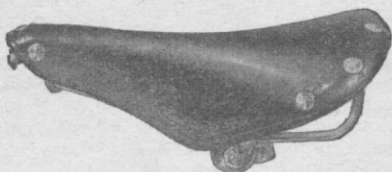
27" High pressure with dimpled holes which angle spoke nipples correctly. Weight 19 ozs.	32/40 hole only	40/-
27" H/P without dimpled holes.	36 hole only ...	40/-
26" H/P without dimpled holes.	32/40 hole only	40/-

Endrick 27" x 1 1/4" only. Fine touring rim 32/40 hole drilling only	45/-
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RIM TAPES

DUNLOP. Rubber, to fit H/P rim 3/8" width	each	1/9
Rubber Endrick tape, 1/2" width for standard rim	each	2/-
CONSTRUCTOR. Round section, cord covered with cotton to fit the deep welled rims of the same make	each	2/6

SADDLES



**BROOKS
B17
LEATHER
SADDLES**
The Best
in the
world.

One of the few British components used by top Continental Pros. B17 Professional (Illustrated). Designed to the suggestions of Pro' riders who in the past have had to 'butcher' saddles to achieve this shape. A specially selected butt leather top is fitted to a cambered back plate with large copper rivets. All 'spare' leather is trimmed from back and copper plated nose. Size 10½" x 6" x 3", weight 25 ozs. complete with chrome clip, dressed or proofed 59/6

Without clip, to suit standard Campag. pin No. 1044. 19 ozs.... 55/6

B17 Swallow. Leather is cut away at the side to give maximum leg freedom. The edges are rolled round a spring steel wire reinforcement and held together by a clip. 11" x 6" x 3½". 25 ozs. 70/-

B17 Competition. Designed specially for competition work. Has curved trimmed back, no bag loops and is supplied with polished or dressed top. 11" x 6¼" x 3½". 1 lb. 7 ozs. Chrome only with clip for a plain seat pin 53/-

B17 Competition Campagnolo Model. Top as normal competition saddle above but with special frame for Campag. 1045 seat pin which is shown on page 33. The advantages of the system are described opposite. Weight 1 lb. 3 ozs. (no clip required) 47/-

B17 Standard. Chamfered side flaps. 11" x 6¼" x 3½" 1 lb. 12 ozs.

B17 Narrow. Similar to Standard but ¾" narrower. 1 lb. 10 ozs.

B17 Flyer. Narrow curved cantle. 11" x 5¼" x 3". 1 lb. 10 ozs.

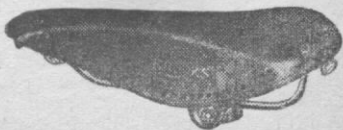
B17 Sprinter. Narrowest of range. 11" x 4¾" x 2½". 1 lb. 7 ozs.

All of the above with chrome frame and clip 51/-

B15 SERIES. Narrow, Standard, Flyer and Swallow patterns are available to the same dimensions as B17 and will give excellent service.

B15 Range inc. Swallow with chrome clip and frame 38/6

B15 Perforated (illustrated). With chrome frame and clip. Narrow style only 39/6



L15 SERIES. Narrow and Swallow styles only. Sizes as B17 but in a lighter grade leather. The 'Narrow' style has side perforations and is of similar appearance to illustration opposite.

L15 Narrow Perforated. Chrome frame and clip 27/6

L15 Swallow Cut Away. Chrome frame and clip 27/9

B66 CHAMPION. A selected leather saddle with strong 4 wire frame and twin rear coil springs giving comfort over rough surfaces without undue sponginess. 10" x 8½" x 3⅞". Chrome frame and clip ... 42/-

BRISTOL CL3. Similar shape to L15 Standard. Black frame only 17/11

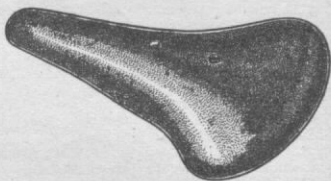
CL3 Swallow. Cut away type with chrome frame and clip ... 23/-

MANSFIELD. Bath Road, cutaway, laced under, chrome ... 30/-

No. 42 Sprint. 11½" x 4½" undrilled top. Enamel only 25/-

NYLON-PLASTIC

UNICA. The unique Italian Nylon - Plastic lightweight saddle top. Impervious to heat, cold or wet weather. Top is moulded to a standard two wire frame without the use of rivets. Firm and comfortable curved back design.



Fits Campagnolo standard No. 1044 seat pin or standard two wire clip. Perforated model in Orange, Black or Brown finish. Top only less clip 55/6

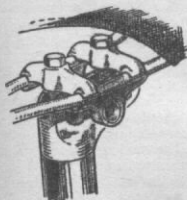
SEAT PINS

CAMPAGNOLO SEAT PINS. The finest obtainable. Exact adjustment of saddle angle combined with adequate forward movement and absolute rigidity are the main features. The pin is machined from an aluminium forging and saddle cradle parts are of forged steel finished in satin chrome. Two models are available, both in metric sizes: 26.2, 26.4 (our No. 3), 26.8 (No. 4), 27.0, 27.2 (No. 5).

N.B. Ensure pin ordered is correct size for seat tube as the highly polished shaft is easily scratched and rendered unsuitable for resale.

MODEL 1044 Standard (illustrated) has cradle for any normal two wire saddle and dispenses with the usual saddle clip. State size 40/-

MODEL 1045 Competition. Is illustrated on page 33 fitted with the Campagnolo Brooks Competition saddle, for which this pin was designed. With this special narrow clip and frame, twice normal 'fore and aft' adjustment is available. This arrangement is also lighter. 1045 Seat pin. State size as above 40/-



ALLEZ SEAT PIN. A normal 8" saddle pillar in polished alloy sizes 3, 4 and 5 available to suit any British frame ... each 3/6

SADDLE SPARES AND ACCESSORIES

BROOKS B17 Saddle Clip. Chrome. For B17, B15, L15	...	5/6
Proofide. All weather protective dressing for leather saddles	...	2/6
Saddle Undershields. Essential when riding without mudguards.		
Standard, Narrow, Flyer, Sprinter or Competition	...	each 1/6
ALLEZ Seat Lug Bolts. Knurled concave head. 1 $\frac{1}{8}$ "	1 $\frac{1}{4}$ "	1 $\frac{3}{8}$ "
		1 $\frac{1}{2}$ "
		each 8d.
CONTINENTAL Seat Tube Collar for welded frames. Embossed		1/9

SPANNERS AND SPECIAL TOOLS

B.H. AIRLITE. Hub cone spanners. Boxed	...	...	pair	2/6
BROOKS Saddle Tension spanner. For nose bolt adjustment	...			1/6
Spoke Nipple Key. A 6 way disc type for all standard gauges	...			1/3
Head & Bracket Spanner. For hexagon top nuts and B/B l/rings	...			2/-
Six Way Flat Spanner. Useful general purpose cycle tool	...		each	1/9
Peg and Cone Spanner. Fits hubs and B/B adjusting cups	...			1/3
CAMPAGNOLO Allen Key No. 143/2 'T' shaped with box spanner head	...			2/6
for front and rear gears and many other 8 mm. bolts	...			2/6
Chainwheel Screw Allen Key No. 767 'L' shaped, with grip	...			2/6
Chainwheel Screw Peg Spanner No. 768. To hold chainwheel sleeves	...			1/-
whilst clamping rings to crank	...		each	9/-
Cotterless B/B Axle Spanner No. 769. Tightens cotterless crank fixing	...			10/-
bolts. Long shank and box head	...		each	50/4
Cotterless Crank Extractor No. 770. For trouble free removal	...			10/-
Freewheel Remover I. Hardened insert in long Chrome Vanadium	...			50/4
arm	...			10/-
Replaceable Insert No. 704. For above freewheel remover	...		each	27/-
Head & Bracket Spanner No. 712/1. Headset and adj. cup	...			1/-
Replaceable Spare Pegs No. 712/2. For spanner 712/1	...			25/6
Head & Bracket Spanner No. 712. Tightens bracket lock ring and head	...		each	14/6
lock nuts	...			25/6
Hub Cone Spanners Q. For Q/Release and solid hubs	...		pair	14/6
Pedal & Bracket Spanner No. 713. Fits pedals to cranks and right hand	...			25/6
(fixed) bottom bracket cup	...		each	4/11
Pedal Cap Spanner No. 710. Adjusts lock nuts and removes cap	...			9d.
Roller Cone Spanner No. 97. For adjustment of gear rollers	...			8/9
Saddle Spanner No. 771. Adjusts angle and nose bolt	...			2/9
CYCLO Freewheel Remover. For Benelux and other boss types	...			1/6
Sport P2 Allen Key for latest Benelux gear	...		each	3/11
Mark 7 Gear Spanners. For maintaining this gear	...		pair	1/8
Nipple Key. A solid tool. 15G, for precision wheel truing	...			6/7
Rivoli Chain Rivet Extractor. For $\frac{1}{8}$ " or $\frac{3}{32}$ " with replaceable screw and	...		each	3/3
hardened pin	...			2/8
Replaceable Pin	each 4 $\frac{1}{2}$ d.	Pin & Screw complete	each	1/3
Sprocket Remover. Long lever to which you attach chain	...			7/6
Standard Spanner. For adjustments to old patt. twin cable gears	...			3/6
FIFON. Chain Rivet Extractor. Hand or vice held	...			4/-
Replaceable hardened pin and screw for above	...		each	1/6
INOX Dumbbell Spanner. Bronze 8 way. Continental fitting	...			14/-
MAFAC Box Spanner. For fitting or removing brake levers	...			3/9
Tool Set in Pouch. Contains assortment of small metric spanners, screw-	...			4/-
driver, nipple key and puncture outfit. For all Continental fittings	...		pair	7/6
REGINA Freewheel Remover. Shifts blocks from all hubs including	...			
quick release and Continental makes with large locknuts	...		each	
TERRY Pedal Spanner. Long for easy removal	...			
WEINMANN Brake Spanners. For side pull brakes	...		pair	

TOE STRAPS

The "ALLENZ" CORSA.

With slit to tuck the end of the strap in, giving perfect stop. Quick release buckle. Leather is specially selected to avoid stretch.

Natural pair 5/-
Coloured Black, Red or Blue ... 5/3



BINDA. Genuine Italian strap as used by the late Coppi and the majority of Italian sprinters. REALLY tough.

In Blue or Red finish pair 7/6

LAPIZE. Leading French straps with serrated roller in the buckle—definitely non-slip. Red, Blue or Natural pair 5/9

CONSTRUCTOR Super Red, polished chrome leather pair 5/6

Gold, to match bronze toeclip, quick release pair 5/-

Standard, quick release, full chrome leather pair 4/3

BROOKS No. 1 de luxe Red, chrome leather Q/Release pair 5/3

No. 1 Standard, full chrome leather Q/R buckle pair 4/9

FLICK. Wide quick release buckle, chrome leather pair 3/6

COLLEGE de luxe, quick detachable buckle pair 2/6

TOE CLIPS

CHRISTOPHE (Illustrated)

Most widely used of all toe clips, made in France from best quality spring steel. Chromed in three lengths ... 7/6

G.B. Type Professional. Stainless steel, long or medium 7/6

LAPIZE. French. Medium only 5/9

CONSTRUCTOR Golden bronze tempered and lacquered, springy and rust-proof. Now available only in the longer length 8/9

Steel clip with bar across the toe to stop shoe chafing. Long only 6/6

BROOKS No. 1. Chrome plated spring steel. Three lengths 6/3

MIDLAND Moniques. Chrome plated spring steel. Medium only 5/9

Wanderlust. Adjustable length clip, long strap slot 6/4



D'Alessandro

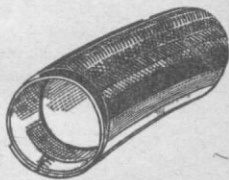
Regd. Trade Mark

**GOLD
MEDAL
TUBULARS**

In a constantly changing and competitive field the name D'Alessandro stands like a rock—new names come and go, but for real quality there is no better 'marque'. The tubulars listed below represent real value because they offer reliability and a tyre that lets you down in an important race is not cheap even if given away. That is why these tyres are fitted as standard equipment by our Amateur International Teams and by many of the top Professionals when World Championship titles are at stake.—You cannot do better!

SILK IMPERFORABILE 7½ ozs.

This famous tyre is offered to the British rider at a lighter weight than ever before. The top quality silk pocket carries a light tread and a light tube but retains the rubber and canvas 'breaker' strips responsible for top 'puncture-resistance'. We are confident that many wins will be recorded on these tyres during the coming season. At 7½ ozs., suitable for races at any distance. SPECIFY SILK FOR SHEER SPEED 66/4



IMPERFORABILE 9½ ozs.

Long recognized as the finest 'distance' tyre ever produced. Will give an incredible number of racing miles. A top grade pocket of Sea Island cotton carries a hard rubber tread above an elastic raw rubber strip which gives durability and amazing puncture resistance 59/8

GIRO D'ITALIA 9 ozs.

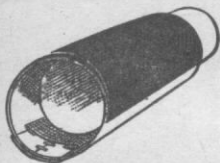
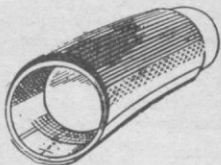
A first class racing tyre at a lighter weight than previously supplied. Fast and reliable with slightly more 'girth' than the Imperf., a best quality pocket and hard wearing black rubber tread 55/-

N.B.—The above three types can be supplied either in File (illustrated) or Fine Ribbed pattern treads.

D'ALESSANDRO TUBULARS

CRITERIUM 8½ ozs. BLACK OR ORANGE TREAD

A light fast tyre with the modern multi-ribbed tread which can be used with confidence on either wet or dry surfaces. Proved to be exceptionally hard-wearing, the distinctive orange tread has eye appeal and supplies a bright contrast during dull wet races. An unusually light tube in the best quality fabric gives the tyre extra zip. Ideal for short and middle distance events —good for a season's hard racing, fitted with a rubber base tape 57/6



PISTA Cotone LEGERE 7¼ ozs. (195 grams.)

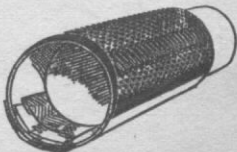
A lightweight tyre with smooth band, matt impression, tread on a narrow pocket of first class cotton fabric. Fitted with a cotton base tape, ideal for Pursuits, general trackwork and fast 25-mile events ... 48/8

PISTA Cotone EXTRA LEGERE 5½ ozs. (160 grms. approx.)

A track tyre pure and simple with a very light tube and light cotton fabric balanced to the full width smooth band tread. Fitted with a cotton base tape so that shellac type rim adhesive may be used for maximum security on the bankings. The very light weight is a guide to the quality of this tyre which has more than one Olympic Gold medal to its credit 51/4

SPECIALISSIMO 11 ozs.

A top quality light weight vulcanised tubular with the distinctive Italian tread. A good class fabric and tube, for speed, make it an ideal 'Circuit' tyre where its reliability and cornering are great assets 39/8



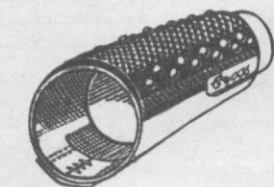
D'ALESSANDRO TUBULARS

SPORT 14 ozs.

A tyre with a 'meaty' tread of fast ribs flanked by file bands. The latex covered fabric, of better quality than is usual in a tubular at this price, accounts for the liveliness of this general purpose tubular. With rubber base tape, excellent value at 29/11



CYCLE CROSS 12½ ozs.

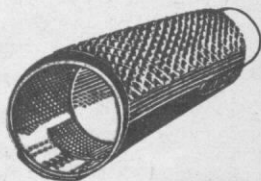


Designed specifically for Cyclo-Cross racing, this tyre can be of great use to grass track riders and hill climbers. A sturdy 'knobby' tread is mounted on a comparatively light pocket over a light tube. The centre band of small 'diamonds' flanked by bold 'knobs'; allows

speed to be maintained where normal tyres would lose traction and stability 39/8

WORTHY 15½ ozs.

A tough 'riding-about' tubular allowing sprints to be used in the winter. Highly recommended when road conditions are bad. The 'all-round' tread pattern of raised 'diamonds' offers a new experience in road holding, allowing safe cornering on wet or icy roads. Fully rubbered side walls and rubberised base tape need little attention. A



side ribbing is provided to drive your dynamo. Use the Worthy for touring at all times 33/-

WHEEL COVERS

Essential for the track man who has spare wheels, with tyres inflated to high pressure, laying in open track centres. Simplest and best method of protecting tubulars from chafing when cycle is transported by road or rail. Ideal protection for any tyres left on wheels not in use. Proofed material fitted with strong elastic and hooks. Nylon reinforced tread band each 9/9

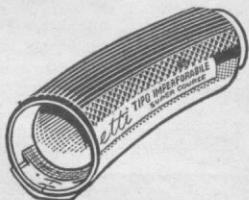
CANETTI BOYAUX OF PARIS

We are pleased to introduce into this country some of the well known French tyres produced by the long established Parisienne firm of Canetti. Of basically similar design to all good tubulars these tyres may be recognised by 'different' tread designs. The extremely good value they offer is readily apparent when 'quality' tyres of similar weights are compared.

IMPERFORABILE 9½ ozs.

Employing the now generally appreciated technique, of fitting an amber band of 'elastic' rubber between the black tread and canvas breaker strip, for maximum puncture resistance. Care should be taken not to over inflate tyres of this type, the resilience of the amber strip can always be felt and the fabric will be strained before the tyre is

'board-hard'. A top quality pocket is balanced to the tread weight and a very light tube fitted. Rubberised base tape 54/8

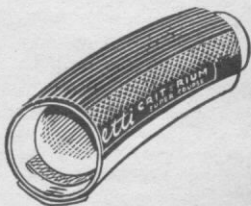


SPORT SPECIALISSIMO 11 ozs.

A good class tyre with the same tread pattern as those illustrated except that greater prominence is given to the centre band of fine parallel ribs. Vulcanised to a first class fabric, enclosing a pure rubber tube, this tubular is fast and reliable. Rubberised tape 36/4

CRITERIUM 7½ ozs.

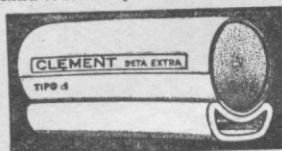
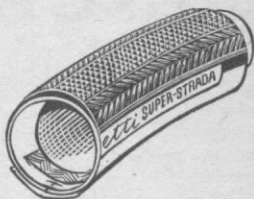
An extremely light tubular with a 'road' tread of fast narrow ribs with diamond side grip for fast cornering. Most tyres at this weight are fitted with a smooth band for track only, but for short time trials, over good clean roads, this tub, will give you that extra edge when really fit. Top quality throughout, made to improve your '25' time 53/8



CANETTI TUBULARS

SUPER STRADA 12½ ozs.

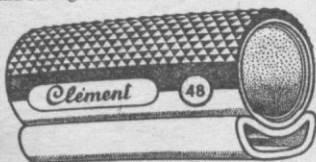
A popular weight tyre with a vulcanised tread of unusual pattern designed for 'circuit' and round-the-houses 'Kermese' events. Fast and steady on the straight, a centre band of small raised diamonds is flanked by two lines of tread giving an open 'arrow-head' effect which bites into the corners imparting the sort of confidence that wins. A good quality latex covered fabric and comparatively light tube keep down the weight and add the extra touch of speed. Rubberised base tape 27/8



CLEMENT TUBULARS

No. 1. Silk Track. A record breaking tyre with narrow smooth band tread on a top quality light silk pocket. Weight only 4 ozs. ... 79/11

- No. 1 bis. Silk Road. Fastest Clement road tubular with extra weight silk fabric. Smooth tread band 6-7 ozs. 79/11
 No. 3. Silk Track. A light silk tyre with a little more weight built into the smooth tread band 5 ozs. 69/11
 No. 9. A smooth banded tubular for track and short distance events on good surfaces 7 ozs. 59/11
 No. 6. Silk Road. With a fast ribbed tread band mounted onto an extra weight silk pocket 8 ozs. 69/11
 No. 10. A fast road tyre with a non-slip smooth tread band which carries a slight 'linen thread' impression 8 ozs. 59/11
 No. 12 bis. A good quality racing tyre with fast tread pattern and strong cotton fabric 9 ozs. 59/11
 No. 50. First class general road tubular with a substantial ribbed tread and strong cotton fabric 11 ozs. 39/11



No. 48 (as illustrated). One of the few diamond pattern tread tyres on the market. Very suitable for grass racing where good cornering is most important.

12 ozs. ... 37/6

- Elvezia. A popular price ribbed tyre suitable for circuit racing and training 14 ozs. 28/11
 Enwell. A cheap general purpose or training tubular with a bold ribbed tread pattern 15 ozs. 26/11

A FEW NOTES ON TUBULAR CARE

When folding ensure that the tread is on the outside of all bends. Keep tyres tightly stuck on rims—a tyre that 'rolls' to one side will be cut through wall by edge of rim. Keep base tapes in good order—if rim spoke holes are allowed to chafe through, the main stitching will be damaged and blow-outs follow. Fill all cuts in tread with stopping compound—water penetrating these will rot tube pocket, causing twisting, uneven wear and blow-outs. Do not over-tighten connector on valve when inflating—this tends to loosen valve securing nuts and a slow leaking will follow. Tubular walls chafe easily—protect them when carried as spares, on wheels or folded under saddle. Do not leave wet tyres in a deflated condition—pockets will deteriorate.

TUBULAR CARRIER

"FULMINE". Italian Quick-Release carrier with strong elastic cords. When making rapid tyre changes, the carrier remains bolted to the saddle wires, the elastic cords are drawn round the replaced tyre by a finger ring with hook attached and this holds the tubular secure ... 7/6

TUBULAR BAG

A simple and practical way of protecting tyres. See page 32 ... 7/9

TUBULAR SUNDRIES

- D'Alessandro Fabric. A 2" x 12" strip consisting of stout cotton threads bonded with latex for repairing tyre walls ... each 1/9
- D'Alessandro Thread and Needle. 25 yards of linen thread on a card with triangular pointed sailcloth needle ... card 1/3
- Dunlop Sprint Outfit. Contains all the necessities for repairing tubular tyres including tread stopping ... tin 7/6
- Constrictor Repair Outfit. All you need for tub. punctures and repairs to Constrictor wired-on tyres and tubes ... tin 3/-
- Clement Base Tape. A rubberised tub. chafing tape for renovating any Continental road tyre ... each 3/6
- Dunlop Sprint Patches. Very thin for repairing light tubes. Pkt. 8d.
- Dunlop Tread Stopping. A special compound of black rubber in plastic form for filling cuts in treads ... tube 5d.
- Clement Mastice. Secures tubs. with rubberised base tapes to sprint rims ... tin 2/6
- Dunlop Rim Cement. A powerful tyre to rim adhesive but not suitable for Continental tyres with non rubberised base tapes ... tin 3/9
- Jantex Tacky Tape. For fitting road tubs. to sprint rims roll 2/8

N.B. Do not use above tyre cement with Continental tubs. having cotton base tapes. Dunlop or Jantex tapes may be used on the road but shellac or knotting is essential for track use.

"WIRED-ON" TYRES

CONSTRUCTOR

Hand made tyres produced like top class tubulars, with treads fixed by cold processes to the walls which thus retain full resilience. Not designed for utility riding but light and easy running.

Brillani. An 11 oz. tyre, as the Supalatti illustrated below, but with a Continental tread of fine rib design extending well down the side. Fast and stable, in 27" only 38 /-

Supalatti. Weighing only 11 ozs., this is the lightest cover available and as can be seen from the illustration is of narrow section. The tread is of Continental make of fine file pattern. Suitable for racing. 27" only 38 /-



INNER TUBES

CONSTRUCTOR Non Blister, Guaranteed not to blister this tube is made from a very hard rubber. Fitted with a French valve, it is recommended for use with deep-welled Constrictor rims. 27" only 8 /6

FITTING COVERS. Do not use levers for fitting. Inflate tube enough to remove wrinkles and fit valve loosely in hole. Place tyre over tube and fit one side. Start opposite valve and work outwards. hold tyre taut and seat edge deep into well of rim. Enough 'slack' will be left to push over rim at valve using thumbs only. Seat valve correctly and tighten. Inflate to half pressure and check 'fitting' line with edge of rim. Ease tyre until wires are seated all round. Inflate hard and keep hard when in use.

TYRESAVERS

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, before it is able to penetrate to the tube.



"CC" Lightweight anti-splash guard ... each 2 /-
 "C" Racing (illustrated) " 1 /6
 "CL" Ultra-light Racing (single arm) " 1 /6
 "M" or "R" for use with guards " 2 /-

WATCH CLIPS

TERRY. The time triallists' friend. Clips a watch to the handlebars where it is in constant view. Will accept most sizes and hold them securely. Chrome plated spring steel clip 4 /6

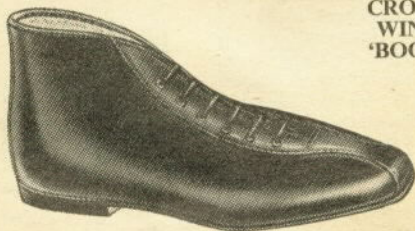
LATEST INTRODUCTIONS

ACRILAN SWEATER

Made from the most modern man made fibre which is justly renowned for its easy care qualities. The 100% acrylic wool is knitted in a special stitch to lock the jersey into shape, but if a thread is 'pulled' it can easily be manipulated back into place. Bulky in the modern 'chunky' style but very light to wear. Heavy ribbed high Vee neck and Raglan style shoulders. Smart and practical.



In Alpine Green or Tan. Sizes Medium or Large ... 105/-



CRODONI WINTER 'BOOTEE'

Very similar in general shape and style to the popular Strada, the full chrome upper is extended to cover the ankle with the 'throat' shaped to allow full movement. Fully weather-proofed, the warm fleecy lining covers the whole inner sole and upper and even the tongue is lined. The strong Viklite waterproof sole carries a medium heel, completing an ideal shoe for general winter wear. Particularly suitable for standing about at cold club rooms or Cyclo-Cross events.

Half sizes from 5 to 12 81/3

LATEST INTRODUCTIONS

NYLON ANORAK

Very smart in a weatherproof dark blue Bri-Nylon with warm quilted lining to hood and body. This Anorak is designed for cycling and the warm lined sleeves with woollen storm cuffs have extra length, as does the body, to accommodate riding positions. The swagger pockets are supplemented by an inside pocket. The jacket is closed by full length open-ended zip and draw strings at hood and waist.



Small, Med. or Large 98/6 Extra Large ... 101/11

Casual Styled NEW EVEREST JACKET

A completely redesigned coat made from a strong Bri-Nylon /Rayon mixture with a very attractive 'corded' finish. Cut with adequate length to fit over the hips the open-ended zip is not taken right to the bottom, so as to allow for leg movement when riding. An easy shoulder line is smartened by a yoke panel at back and front. Fitted with a deep collar, buttoned cuffs, shot silk lining, one inside and two 'stroller' pockets.



In Loden (grey/green) or Black. 34", S, M, L, or 42" 68/11

'ABRIST' LADIES' SHORTS 15% Bri-Nylon 85% Rayon
Cut on similar lines to the Terylene on page 17 but with slightly longer legs which are shaped up on the inside and 'nicked' on the outside for riding comfort. Zip closing at side with double button waist band fastening. Two slanted opening side pockets. No double seat as crease resistant 'Abrist' is tested for strength. Colour fast Lovat shade only in a light summer weight.

Size 24" only ... 47/6 26", 28", 30", 32" ... 50/11

LATEST INTRODUCTIONS

CRODONI NYLON RACING VESTS TO SPECIAL ORDER ONLY

Jerseys can be made from a good weight, colour fast, Nylon to your Club design in any of the following types.

Delivery is approximately eight weeks for quantities of six or more of one design, on smaller amounts this period may be extended.

The basic design as below includes short sleeves, crew neck with zip and a plain body colour with sleeves 'quartered' in two colour contrast, as is now the vogue in Italy. Pure woollen ribbings at neck and cuffs in various colour combinations finish a really well made vest that is shaped at the waist and a pleasure to wear.

More complicated designs cost extra—see below. Nylon in: WHITE, BLACK, RED, ROYAL, PALE BLUE, ORANGE, GOLD, GREEN ONLY.

TRACK VEST no pockets 54/9

TIME TRIAL VEST, pockets at the rear only 65/6

ROAD VEST, pockets at front and rear ... 73/9

EXTRAS:

Bands round chest each 1/1

Triple colour sleeves ... 1/6

Long sleeves 13/-

Larger than 40" chest 3/9

More complicated designs, 'Vee' or vertical bands, etc., to quote.



WORTHY LIGHT RACING OR TRAINING VEST

In plain colours, without any chest band or pockets, this well finished jersey is equally suitable for racing on track and road, training or normal sports wear. The smooth silky sheen of the material is offset by 100% woollen ribbing at the crew neck and cuffs. Short sleeves, good length and a certain amount of stretch in the material ensures a good fit. Not always available from stock.

Colours: White, Red or Light Blue with various contrasts in wool ribbing. Sizes S, M or Large 27/11

FELT LETTERS. In white or red only. 1½" high, for stitching to racing vest, shorts or track suit ... each 8d.

WATERPROOF BACK GLOVE

Warm and practical, these are lined right up to the top of the elasticated wristband. The black leather palm has an extended 'vein patch' to take the strain of pulling them on. The backs are of Vinyl proofed leathercloth that will keep out the wet and cold.

Small, Med. or Large ... 23/6



ELASTIC BAGGAGE STRAPS

Strong braided elastic bands with turned ends clamped into conical spring steel plastic covered hooks. Fitted in a moment. Three lengths:

18" × $\frac{5}{16}$ " with single hook each end	...	...	1/4
21" heavy gauge with single hook each end...	...	...	1/8
25" as above but with extra hook loose on centre	...	...	2/3

QUILL PANNIER CARRIER CLIPS

Set consisting of four cad. plated universal clips, two $\frac{3}{8}$ " clips and bolts ... 3/-

HIGHLANDER FRONT PANNIER BAGS

In heavy duty Black Duck with full chrome leather straps, reinforcements and carrying handle to match rear bags. Size $11\frac{1}{2}$ " deep × $10\frac{1}{2}$ " tapering to 5" × 4" wide, with deep webbed inner flaps. Plastic lining bags supplied ... pair 57/6

CHOSSY SADDLE BAGS (USED FELT)

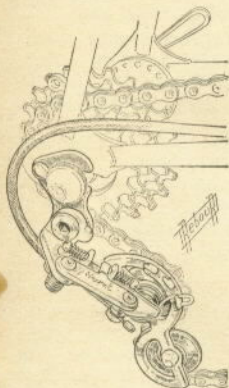
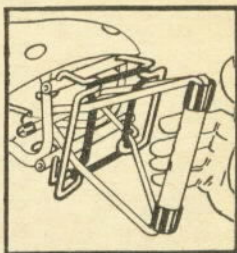
Long recognised as exceptionally good value are these bags which are produced from selected portions of used Printers' Felt. Although initially dirty on the inside and liable to be various shades of blue/black on the outside, the strength and wearing qualities of the heavy rubber coated felt remains unimpaired. (Not always available from stock.)

ONE POCKET. A deep bag shaped to fit well under the saddle, giving a good capacity, with outside map pocket fitting up under the ample bag flap. Wide reinforcement patch at rear and wide flat support under the top straps. 12" wide × $7\frac{1}{2}$ " high, tapering after 5", × $8\frac{1}{2}$ " deep 20/11

TWO POCKET. Fitted with two flapped side pockets 6" deep, closed by twist clips. This bag is of flatter shape with greater opening space for ease of packing. 7" high, tapering from 8" to $5\frac{1}{2}$ " × $7\frac{1}{2}$ " deep, the main compartment is 12" wide. Adequately reinforced at rear ... 28/11

VILOSPORT 'GILPIT' TUBULAR CARRIER

Made from plastic, stainless steel, rubber and alloy, under three ounces in weight and cannot rust. Fits to wires of saddle without bolts and carries the tubular in rubber bands so that it cannot chafe. Instantaneous release by means of the anchor rod, or normally, handle is pulled back to allow tyre to be replaced 18/9



SVELTO 2000 GEAR

The latest gear to be made by Huret is based on the principles employed by the well known Allvit models. Of simple construction it will replace the now 'old fashioned' TDF gear. Made entirely from steel plates, the parallelogram body pivots between two dead stops on the hanger plate. A powerful spring controls traverse movement over 3 to 6 speed f/wheels limited by sprung screws adjusted against a peg on the front plate. A well spaced roller cage for $\frac{1}{8}$ " or $\frac{3}{32}$ " chain plus a double coil spring allows for a difference of 32 teeth.

Complete with D/T control 30/-

Svelto Ensemble. As above with a Svelto front changer which is very similar to the Allvit. Twin lever ... 59/-

D'ALESSANDRO TUBULAR ACCESSORIES

TACKY RIM TAPE. Sufficient to stick two 'road' tubs. onto sprint rims. Very sticky on rim, but rolled with a siliconed 'divider' for easy fitting roll 3/4

RIM CEMENT. A very powerful 'road' tyre to rim adhesive in tin, with brush, for easy application ... tin 3/6

'PROOFING SOLUTION' For waterproofing and general renovation of cotton fabric tub. walls. With brush 3/-

LATEST INTRODUCTIONS

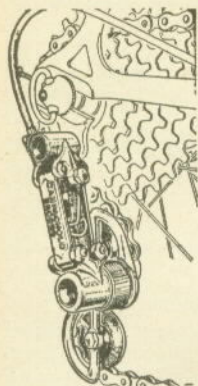
RECORD REAR GEAR

Operating on the same principles as the well proved Gran Sport, this model has improved chain-wrap and tension so that larger ratios may be accommodated.

Used by J. Anquetil during his fantastic 1963 season and by a host of top roadmen, including World Road Champion, B. Beheynt.

Suitable for 4, 5 or 6 speed blocks with a maximum range of 13-36T. A more powerful spring gives even tension to the offset roller cage.

Complete with D /Tube control	94 /-
Bare cable model D /T control	97 /-
Handlebar covered control	103 /-
Handlebar Bare cable model	106 /-



RECORD /RECORD ENSEMBLE. Front and rear systems with twin down tube covered control and clips ...	166 /-
Ensemble with bare cable and double stop clips ...	169 /-
Handlebar Control with extra cable clips ...	184 /-
Handlebar Control with bare cable and stop clips...	187 /-

SPORTSMAN REAR GEAR

A lightweight mechanism that uses the now universally adopted system of parallel arms. Strong steel pressings pivot on bronze bushes with traverse tension spring set between. Plain bronze bearing rollers are set in a wide offset cage which will retain tension over ratios of 13-32T. A spring mounting on the upper pivot allows the gear to turn slightly on the fixing plate, ensuring chain line in all gear positions. A longer than usual chain length is advised for best results.

Complete with D /Tube control	49 /-
Bare cable model D /T control	52 /-
Handlebar covered control	58 /-
Handlebar bare cable model	61 /-

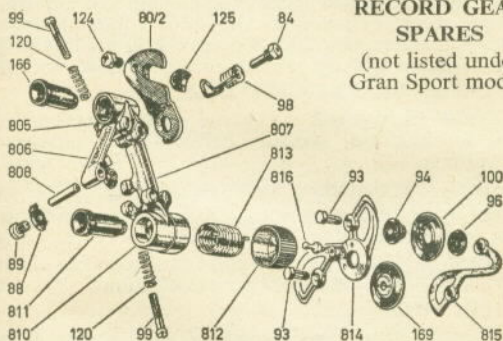


LATEST INTRODUCTIONS

SPORTMAN FRONT CHANGER. Almost identical in appearance and operation to the Gran Sport but with a simpler pressed steel chain cage.

CAMPAGNOLO REGRETS THIS PATTERN CHANGER ONLY AVAILABLE INITIALLY AS PART OF SPORTMAN ENSEMBLE.

SPORTMAN /SPORTMAN ENSEMBLE. Front and rear systems with twin down tube control and cable clips 75 /-
Ensemble with bare cable and double stop clips ... 78 /-
Handlebar controls with extra cable clips ... 93 /-
Handlebar controls with bare cable and stop clips 96 /-

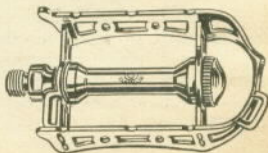


RECORD GEAR SPARES
 (not listed under Gran Sport model)

Gear system complete less lever and cable	...	...	...	78 /-	
Body complete	...	35 /-	808. Alloy pivot pin	...	1 /-
811. Tension pivot bolt	...	4 /-	812. Tension spring cap	...	2 /8
813. Tension spring	...	2 /-	814. Outer cage plate	...	8 /-
815. Inner cage plate	...	5 /8	816. Cage stop screw	...	1 /4

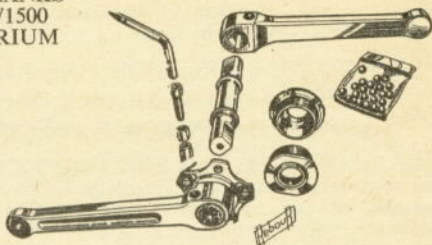
SPORTMAN PEDALS

Neat all steel Quill design with 3 5/8" tread. Toe strap slots on side plate and cross member. Solid barrel and best quality bearings. Finished in immaculate chrome plate 49 /-



LATEST INTRODUCTIONS

T.A. CRANKS No. W1500 CRITERIUM



Horizontal right angled splines allow 4 mm side adjustment to ensure accurate chain line. Only tool required to remove cranks is an Allen key which loosens a bolt holding shaped collars together. 6½", 6¾" or 7" complete as shown 178/-

T.D. CROSS BRACKET FITTINGS

Continental Lightweight. Chrome plated bracket axles drilled for lightness, specially hardened and ground for competition.

- No. S19/2. 1½" chain line, for single chainset ... 4/7
- No. S19/4. 1½" chain line with gear case clearance for wide fitting double chainset or GCC type crank ... 4/7
- No. S19/9. 1⅝" chain line for close fitting double chainset (as Williams) or single requiring extra clearance ... 4/7

BRITISH HUB

SOLITE TANDEM. Small Flange. A good quality, all steel hub, in 32/40 hole, gear/fixe or double fixe only 34/8

DEFIANCE. Small Flange. An all steel hub with solid cast shell at a 'popular' price. Good quality bearings and neat 'machined' finish. 32/40 hole G/F or D/F only ... 20/5

RENOLD ⅜" CHAIN. A strong but flexible British chain with link for riveting. 114 pitches 11/5

CLEMENT WIRED-ON COVER

New from Italy, a 27" wired-on cover at a competitive price. In all black finish with fast ribbed tread mounted on an extra supple fabric giving a very slight balloon section. Wired to fit a standard British High Pressure rim. Tough and resilient, heavier than some H.P.s but lighter than normal with such a 'meaty' tread, making it ideal for general purpose and club riding 13/11

GEAR TABLE 27" WHEELS

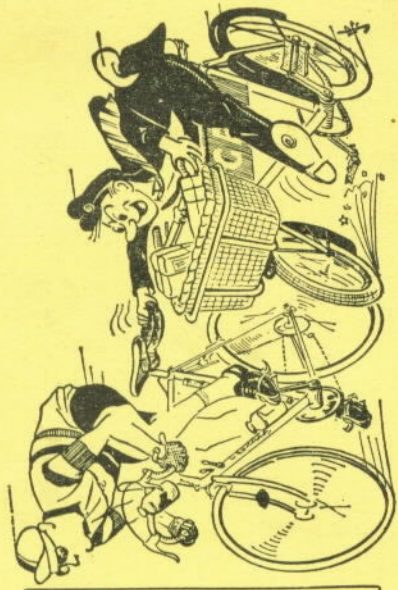
	36	38	40	42	44	45	46	47	48	49	50	51	52	54
12	81-0	85-5	90-0	94-5	99-0	101-2	103-5	105-8	108-0	110-3	112-5	114-7	117-0	121-5
13	74-7	78-9	83-1	87-2	91-4	93-4	95-5	97-6	99-7	101-8	103-8	105-9	108-0	112-1
14	69-4	73-3	77-1	81-0	84-8	86-7	88-7	90-6	92-6	94-5	96-4	98-3	100-3	104-1
15	64-8	68-4	72-0	75-6	79-2	80-9	82-8	84-6	86-4	89-2	90-0	91-8	93-6	97-2
16	60-8	64-1	67-5	70-9	74-2	76-0	77-6	79-3	81-0	82-7	84-4	86-1	87-7	91-1
17	57-2	60-3	63-5	66-7	69-9	71-5	73-0	74-6	76-2	77-8	79-4	81-0	82-6	85-7
18	54-0	57-0	60-0	63-0	66-0	67-5	69-0	70-5	72-0	73-5	75-0	76-5	78-0	81-0
19	51-2	54-0	56-8	59-7	62-5	64-0	65-4	66-8	68-2	69-6	71-0	72-5	73-9	76-7
20	48-6	51-3	54-0	56-7	59-4	60-8	62-1	63-4	64-8	66-1	67-5	68-8	70-2	72-9
21	46-3	48-9	51-4	54-0	56-6	57-9	59-1	60-4	61-7	63-0	64-3	65-5	66-8	69-4
22	44-2	46-6	49-1	51-5	54-0	55-2	56-4	57-7	58-9	60-1	61-4	62-6	63-8	66-2
23	42-3	44-6	47-0	49-3	51-6	52-8	54-0	55-2	56-3	57-5	58-7	59-9	61-0	63-4
24	40-5	42-7	45-0	47-2	49-5	50-7	51-7	52-9	54-0	55-1	56-2	57-3	58-5	60-7
25	38-9	41-1	43-2	45-4	47-5	48-6	49-7	50-8	51-8	52-9	54-0	55-1	56-2	58-3
26	37-4	39-5	41-5	43-6	45-7	46-7	47-8	48-8	49-8	50-9	51-9	53-7	54-0	56-1

GEAR TABLE 26" WHEELS

	36	38	40	42	44	45	46	47	48	49	50	51	52	54
12	78-0	82-3	86-6	91-0	95-3	97-5	99-7	101-8	104-0	106-2	108-3	110-5	112-7	117-0
13	72-0	76-0	80-0	84-0	88-0	90-0	92-0	94-0	96-0	98-0	100-0	102-0	104-0	108-0
14	66-8	70-5	74-2	78-0	81-7	83-5	85-4	87-3	89-1	91-0	92-8	94-7	96-6	100-3
15	62-4	65-9	69-3	72-8	76-3	78-0	79-7	81-5	83-2	84-9	86-6	88-4	90-1	93-6
16	58-5	61-7	65-0	68-3	71-5	73-1	74-7	76-4	78-0	79-6	81-2	82-9	84-5	87-7
17	55-0	58-1	61-2	64-2	67-3	68-8	70-3	71-9	73-4	74-9	76-4	78-0	79-5	82-6
18	52-0	54-9	57-7	60-7	63-5	65-0	66-4	67-9	69-3	70-8	72-2	73-6	75-1	78-0
19	49-2	52-0	54-7	57-5	60-2	61-7	62-9	64-3	65-7	67-0	68-4	69-8	71-2	73-9
20	46-8	49-4	52-0	54-6	57-2	58-5	59-8	61-1	62-4	63-7	65-0	66-3	67-6	70-2
21	44-5	47-0	49-5	52-0	54-5	55-8	57-0	58-2	59-4	60-7	61-9	63-1	64-4	66-8
22	42-5	44-9	47-2	49-6	52-0	53-1	54-4	55-5	56-7	57-9	59-1	60-2	61-4	63-8
23	40-6	42-9	45-2	47-5	49-7	50-8	52-0	53-1	54-3	55-4	56-5	57-6	58-8	61-0
24	39-0	41-2	43-3	45-5	47-7	48-6	49-8	50-9	52-0	53-1	54-2	55-2	56-3	58-5
25	37-4	39-5	41-6	43-7	45-8	46-9	47-8	48-9	49-9	50-9	52-0	53-0	54-1	56-1
26	36-0	38-0	40-0	42-0	44-0	45-0	46-0	47-0	48-0	49-0	50-0	51-0	52-0	54-0

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