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**Hetchin's**

LIGHTWEIGHT CYCLE SPECIALISTS

798/800, SEVEN SISTERS RD.  
TOTTENHAM,  
LONDON, N.15.



W.K. BICKNELL

## Dear "Fellow Cyclists" \_\_\_\_\_

Once again we are pleased to offer you a pamphlet to illustrate our bicycles.

On its pages you will find most of the information required concerning current frame designs, finishes and (we hope you will not need it), repairs and renovations. For your scrutiny, a separate printed page has been added illustrating our latest lug CUT-OUTS and their appropriate names, and to avoid any confusion with names and frame designs, we give examples how the names of the lug patterns are used and linked with the frame designs.

A customer, for instance, requires a PATH design, and finds suitable our design No. 10; his financial commitments limit him to, say, £14.10.0, which means that he orders our "Experto Crede" lug pattern built to Path Model No. 10. Another definition of our method could be like this: The customer decides on the Road Racing Model, design No. 1, and chooses the "Magnum Bonum" lug pattern (the stiffer on fork blades are standard fitment), total cost with the finish quoted is £17.10.0. What could be simpler?



### CUT-OUT LUGS

As you are aware, Hetchins were the first bicycle makers to see the hidden strength cut-out lugs give to the brazed joint, and have championed the cause for ornamental lugs against the combined force of our lesser skilled brethren in the cycle trade. We are now introducing an ornamental stiffener to each side of the fork crown; this has been decided by us after two years' trial on our "Magnum Opus" design. Today, we think the ornamental stiffener is a must, and time will prove this, as others realise, and copy our principles in lug design.

### FINISHES

In the past, Hetchins were noted for their high-class chromium plating and enamelling. Today, with the restrictions on plating, and the ingredients necessary for first-class enamel paint and varnishes, leaves a lot to be desired. But we are the whole time endeavouring, even when a frame is finished plainly, to give the kind of high-class finish we are associated with.

We are able to undertake chromium plating but, while the nickel ban is on, chromium must needs be on copper.

### QUALITY

It must be mentioned that the work on our latest models has surpassed all our previous efforts and none of the work whatsoever has been exhibited at any Bicycle Show prior to the Earls Court Exhibition, 1951.

### FITMENTS

Only malleable castings are used for all lugs, and not pressings. Reynolds double butted 531 tubing, with chain and seat stays and fork blades. Our own two-piece  $\frac{7}{8}$ " round fork crown (forged) is a standard fitment and, should any exception by way of OVAL or DEE be preferred, it must be marked plainly on the order. The "Vibrant" or "Curly Stays" are optional, so please state preference here also. We have listed a set of frame designs for you to choose from, and each one is recommended in their particular sphere, but we are always ready to build to the customer's specification.

### MEMBERS OF THE STAFF

A word or two concerning their skill and loyalty to Hetchins is the least they deserve. We have a blend of workers of all ages, and the eldest to the youngest literally breathes, eats and sleeps "bikes," and all are proficient at their specific job and we claim they are, without contradiction, happy workers.

### SERVICE IN TRANSIT

We have had made, not without some expense, wooden crates to eliminate damage in transit, and we rely on the goodwill of our clients to return them immediately, carriage being paid by the sender. The small cost involved when the crate is returned empty more than compensates the client by having received in spotless condition his future cycling steed.

Here's to many enjoyable rides,

Yours sincerely,

"HETCH."



# HETCHIN'S

## WELL-TRIED BICYCLE FRAME DESIGNS

### ROAD RACING MODEL, No. 1. For Continental-style riding.

Frame angles.  $72\frac{1}{2}^\circ$ , Head.  $72\frac{1}{2}^\circ$ , Seat. Top-tube centres,  $22\frac{1}{2}$ " for all sizes of seat tubes.  $41$ " Wheelbase.  $10\frac{1}{2}$ " Bracket height.  
 Fork. Expander head, fine tapered blades, with  $2\frac{1}{4}$ " rake of latest style used by today's riders of renown. Oval or  $\frac{7}{8}$ " round crown. VIBRANT or ORTHODOX TRIANGLE.

### ROAD RACING MODEL, No. 2. For Continental-style riding.

Frame sizes	Angles	Top tube centres
$22\frac{1}{2}$ "	$72^\circ$ $73^\circ$	$22\frac{3}{16}$ "
$22\frac{1}{4}$ "	$72^\circ$ $72\frac{1}{2}$ "	$22\frac{5}{16}$ "
$23\frac{1}{2}$ "	$72^\circ$ $72\frac{1}{2}$ "	$22\frac{7}{16}$ "
$23\frac{1}{4}$ "	$72^\circ$ $71\frac{1}{2}$ "	$22\frac{11}{16}$ "
$24\frac{1}{2}$ "	$72^\circ$ $71\frac{1}{2}$ "	$22\frac{15}{16}$ "
		Wheelbase, $41$ "

Bracket height,  $10\frac{1}{2}$ " with  $27$ " Wheels.  
 Fork. Expander head, fine tapered blades with  $2\frac{1}{4}$ " rake, same style as Road Racing No. 1. Oval or round crown.  
 Please state whether VIBRANT or ORTHODOX TRIANGLE.

### ROAD RACING, Nos. 3 and 3A. A mixed purpose model for Time Trial, Club, Mass-Start.

Frame angles.  $73\frac{1}{2}^\circ$  Head.  $71\frac{1}{2}^\circ$  Seat. Top-tube centres, No. 3— $22\frac{1}{2}$ " or No. 3A— $22$ ". (When ordering, you must stipulate size required.) Wheelbase No. 3— $40\frac{1}{2}$ ". Wheelbase No. 3A— $40$ ". Bracket height,  $10\frac{1}{2}$ " with  $27$ " Wheels.  
 Fork. Head-clip or Expander type with  $\frac{7}{8}$ " round crown, or oval, whichever preferred.  $2\frac{1}{4}$ " rake (new design). VIBRANT or ORTHODOX TRIANGLE.

### ROAD RACING, No. 4. A general purpose design.

Frame angles.  $73^\circ$ , Head.  $71^\circ$ , Seat. Top-tube centres,  $23\frac{1}{16}$ ". Bracket height,  $10\frac{1}{2}$ " with  $27$ " Wheels.  
 Fork.  $\frac{7}{8}$ " round or oval, to choice. Fine tapered blades,  $2\frac{1}{4}$ " rake. VIBRANT or ORTHODOX TRIANGLE.

### SHORT DISTANCE TIME-TRIAL DESIGN, No. 5.

Frame angles.  $74\frac{1}{2}^\circ$ , Head.  $72^\circ$ , Seat. Top-tube centres,  $23$ ". Wheelbase,  $40\frac{1}{2}$ ". Bracket height,  $11\frac{1}{2}$ " with  $27$ " Wheels.  
 Fork. Head-clip or Expander.  $\frac{7}{8}$ " round or oval blades.  $2\frac{1}{4}$ " rake finely tapered. VIBRANT or ORTHODOX REAR TRIANGLE.

### PATH MODEL, No. 10. It would be difficult to find a more widely used and tried design, but we fully realise style of rider and type of track can influence the rider's choice in design.

Frame angles.  $73^\circ$ , Head.  $73^\circ$ , Seat. Top-tube centres,  $22\frac{1}{2}$ ". Bracket height,  $27$ ". Wheels only  $11$ ". Wheelbase,  $40$ ".  $\frac{7}{8}$ " round twin crown with  $1\frac{1}{2}$ " gradual rake, and finely tapered. Expander head. NO brazed fittings. NO mudguard clearance. ORTHODOX TRIANGLE standard unless stated otherwise.

### SHORT-BASE MODEL, No. 12. With fluted seat-tube (see extras) to take mudguards. Well-known as Six-day Model.

Frame angles.  $75^\circ$ , Head.  $72\frac{1}{2}^\circ$ , Seat. Top-tube centres,  $22\frac{1}{2}$ ".  $11\frac{1}{4}$ " Bracket.  $27$ " Wheels.  $39\frac{1}{2}$ " Wheelbase.  
 Fork.  $\frac{7}{8}$ " round crown.  $1\frac{1}{2}$ " gradual rake, finely tapered. VIBRANT or ORTHODOX TRIANGLE.

### SHORT-BASE MODEL, No. 14. With fluted seat-tube (see extras) to take mudguards and brakes.

Frame angles.  $73^\circ$ , Head.  $73^\circ$ , Seat.  $11$ " Bracket with  $27$ " Wheels.  $39\frac{1}{2}$ " Wheelbase.  
 Fork.  $\frac{7}{8}$ " round crown.  $1\frac{1}{2}$ " gradual rake, finely tapered. VIBRANT or ORTHODOX REAR TRIANGLE.

### PATH MODEL, No. 16. Design based on Toni Merckens Model. Built of Chater Lugs. Head-clip type. With or without guard clearance.

Frame angles.  $75^\circ$ , Head.  $72^\circ$ , Seat. Top-tube centres,  $23$ ".  $11\frac{1}{4}$ " Bracket height.  $27$ " Wheels only. Wheelbase,  $40$ ".  
 Fork.  $\frac{7}{8}$ " double crown.  $1\frac{1}{2}$ " rake, curved bridge. VIBRANT or ORTHODOX TRIANGLE.

### COMPLETE BICYCLE. Built with "Experto Crede" frame, as specified, and assembled with the following fittings:

Wheels. Dunlop H.P. Steel Rims,  $26$ " or  $27$ ". Solite Hubs. Double butted spokes.  
 Tyres. Dunlop H.P. Road Racing.  
 Bars and Stem. Reynolds Alloy with Pelissier, Maes, Binda shape bends, or to choice.  
 Saddle. Brooks First Choice. B17 Narrow or Sprinter.  
 Brakes. Doherty, front and rear Alloy, with hooded levers.  
 Transmission. Williams C34 fluted cranks. Perry or Elite Chain.  
 Pedals. Brampton or Webb.  
 Mudguards. Celluloid or Alloy.  
 Equipment. Blumels Inflator and Tecalemit Gun, and lubri ated throughout.

COMPLETE BICYCLE ... .. £29.0.8

Plus Purchase Tax, £7.5.2

All frames and forks are filed and polished for chrome plating, irrespective whether final finish is enamel or plating all over.

# HETCHIN'S

## DISTINCTIVE LUG PATTERNS

### "EXPERTO CREDE" (pattern lugs). Specification :

Built to any possible design. Constructed of cast lugs, and hand cut, with bottom bracket shell of our own pattern. Reynolds "531" tubing (DOUBLE BUTTED) with  $\frac{3}{4}$ " rapid taper chain stays, and  $\frac{1}{2}$ " fine taper seat stays or double taper (to your choice). Oval or round finely tapered fork blades. Steel forged crown, oval or round. Standard brazed parts on Road Models, lamp boss, two rear brake cable stops under top tube, three bare cable stops suitable for Simplex, with the chain stay stop a plain eye for adjuster. 18" or 15" pegs for pump with flector loop on down tube (flector loop only if requested). Mudguard eyes on fork ends.

Fork crown drilled for brake. Straight bridge with brake reinforcement. "Gnutti" expander head fittings. Bayliss Wiley Hollow Bracket spindle. Reynolds Alloy Seat Pin. Enamelled any colour, and transfers with Olympic Bands and Head Badge ... .. £14 10 0

### "NULLI SECUNDUS" (pattern lugs)

If our frame designs do not suit you, we will make one that will. Built of finest malleable castings, and low temperature brazed with special temper Reynolds double butted "531" tubing, and  $\frac{3}{4}$ " rapid taper chain stays, and  $\frac{1}{2}$ " fine tapered seat stays. The seat cluster is brazed with two milled claws partly over the top of the lug. Oval or round finely tapered fork blades. Steel forged crown, two-piece for  $\frac{7}{8}$ " round and solid forged and milled for oval. Standard brazed parts for Road Models. Lamp bracket boss. Two rear brake cable stops under top tube. Three bare cable stops for Simplex, the chain stay stop for adjuster. 18" or 15" pump pegs on down-tube (flector loop fitted only when required). Mudguard eyes on fork ends.

Fork crown drilled for brake on Road Models. Seat stay bridge sleeve reinforced for brake. "Gnutti" head fittings, Bayliss Wiley Hollow Bracket spindle. Reynolds Alloy Seat Pin. Basic enamelled finish any colour. Transfers with Olympic Bands and Head Badge ... .. £16 10 0

### "MAGNUM BONUM" (pattern lugs)

Can be precision built to your own design. Carefully brazed with malleable castings, bottom bracket shell of our own design. Reynolds special temper, double butted steel tubing, with  $\frac{3}{4}$ " round chain stays with domed ends,  $\frac{1}{2}$ " fine tapered seat stays, or double taper (to choice). Oval or round finely tapered fork blades. Steel forged fork crown, incorporating the ornamental stiffener. Brazed parts on Road Models, lamp boss, two brake stops for bare cable. Three Simplex gear stops (one with adjuster). 18" or 15" pump pegs (flector loop only if requested). Guard eyes incorporated on fork ends, but can be brazed on.

Fork crown drilled for brake. Rear bridge drilled and reinforced for brake. "Gnutti" head fittings, Bayliss Wiley Bracket interiors, hollow spindle. Reynolds Alloy Seat Pin. Basic finish enamelled any colour, with H or Six-Day Panelled Transfers ... .. £17 10 0

### "MAGNUM OPUS" (pattern lugs)

Built how you want it, with malleable cast lugs, for either Head-clip or expander. Low temperature brazed. Built with precision and filed with extreme care to take the finest finish. Reynolds Special Temper tubing, fork blades and chain and seat stay members. Chain stays are  $\frac{3}{4}$ " rapid taper. Seat stays  $\frac{1}{2}$ " fine taper. Oval or round blades (to choice). Forged crown with ornamental stiffener as illustrated on separate leaflet. Standard brazed parts on Road Models. Lamp boss, two brake stops for bare cable under top tube, cable stops for Simplex or similar gear. 18" or 15" pump pegs (flector loop only when requested). Guard eyes incorporated on fork blades, but can be brazed on instead. Fork crown drilled for brake. Seat stay bridge drilled and reinforced for brake. "Gnutti" head fittings. Bayliss Wiley Bracket interiors (hollow spindle). Reynolds Alloy Seat Pin. Chromium head lugs and crown. Enamelled any colour ... .. £22 12 6

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## ADDITIONAL CHARGES FOR FINISHES AND BRAZED-ON PARTS, etc.

	£	s.	d.		£	s.	d.
Chrome frame and fork with coloured bracket and V on fork ... ..	4	10	0	Fluted seat-tube for short-base models	10	0	
Chrome head or head lugs only ... ..	15	0		Chater-Lea head fittings ... ..	5	0	
Chrome seat lug ... ..	12	0		Chater-Lea bracket fittings ... ..	10	0	
Chrome crown and front and rear ends ... ..	1	7	6	Agrati nickel chrome steel bottom bracket sets ... ..	10	0	
Chrome rear triangle with seat lug	2	17	6	Best quality Gnutti or Agrati head fittings ... ..	4	6	
Chrome fork all over ... ..	1	4	6	Ornamental stiffeners can be included on the "Nulli Secundus" and "Experto Crede" frames ... ..	8	0	
Chrome crown ... ..	7	6		Simplex lever boss ... ..	2	6	
Chrome 6" band on seat-tube ... ..	8	6		Rollers on Agrati ends with gear boss	6	0	
Lustres ... ..	5	0		Rollers on bracket—single or double	2	6	
Two-colour shaded lustres ... ..	15	0		Osgear bottom bracket lug ... ..	3	0	
Flamboyant on silver lustre ... ..	15	6		Osgear chain stay lug ... ..	2	0	
Enamelled bands, 6" ... ..	7	6		Packing and carriage to all parts of the country ... ..	7	6	
Double box lining ... ..	15	0		Packing to Northern Ireland and Eire	10	0	
Feather lining ... ..	15	0					
Lining lugs, from ... ..	12	0					
Chequered bands, two colours, per inch ... ..	2	6					
"H" panelled transfers or Six-Day panelled transfers, in ivory and red	8	6					

Bonderizing inclusive on all enamel or lustre finishes.

## FRAME AND FORK REPAIRS

Repairs are undertaken to Hetchins frames only, and no transfers are supplied separately to others entrusted to renovate our frames, and any repair or renovation undertaken by Hetchins has the skill and quality workmanship applied to it as a new frame, and we like to feel that a repair by us is as good as new.

	£	s.	d.		£	s.	d.
New top-tube "531" D.B. ... ..	1	8	0	New front ends (Stallard) ... ..	10	0	
New down-tube "531" D.B. ... ..	1	8	0	New fork blades and ends ... ..	1	10	0
New seat-tube "531" S.B. ... ..	1	8	0	Cable stops, each ... ..	1	3	
Two new tubes "531" D.B. ... ..	2	10	0	Gear bracket on fork end ... ..	7	0	
Front forks (not enamelled) ... ..	2	10	0	Lamp bracket boss ... ..	2	6	
New chain stays, including bridge ...	1	12	6	Guard eyes, pair ... ..	2	0	
New seat stays, including bridge ...	1	12	6	Tracking, from ... ..	5	0	
New fork steerer ... ..	15	0		Repairs to "Magnum Opus" by inspection only.			
New rear ends (Stallard) ... ..	1	10	0				

## RENOVATIONS

	£	s.	d.		£	s.	d.
Enamelling any colour, including sandblasting and bonderizing ... ..	1	15	0	Chequered bands, per inch ... ..	2	6	
Lustres, including sandblasting and bonderizing ... ..	2	0	0	Head tube, contrasting colour ... ..	7	6	
Flamboyant on silver base ... ..	2	5	0	Band on seat-tube enamelled ... ..	7	6	
Renewing head badge ... ..	2	6		Panelled transfers, either "H" or "Six-Day" ... ..	8	6	
Feather or double lining ... ..	15	0		Stripping and re-assembling head and bottom bracket fittings ... ..	6	0	
Lining lugs ... ..	12	0					



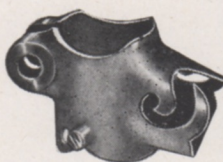
# Hetchins



Bicycle Frame  
Lugs of Distinction



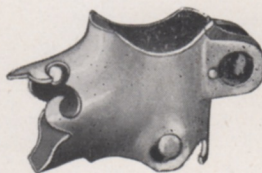
*"Nulla Secundus"*



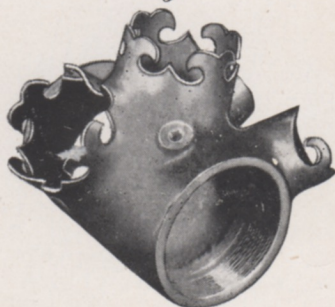
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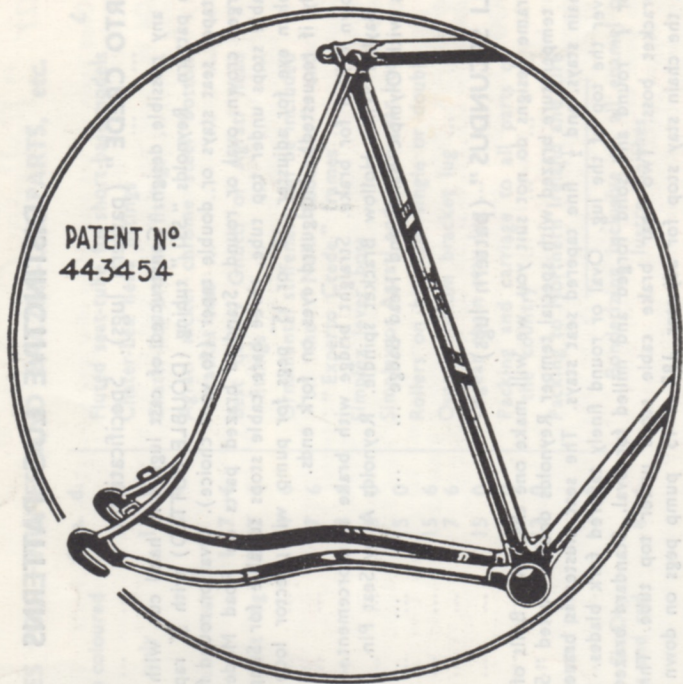
*"Magnum Opus"*



*"Magnum Bonum"*



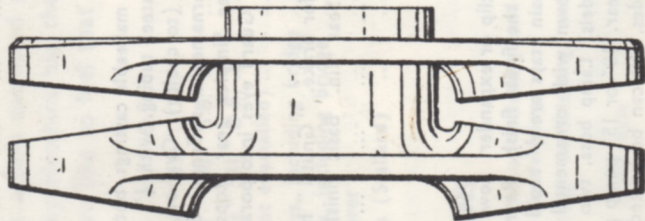
# HETCHIN'S 'VIBRANT' TRIANGLE.



PATENT No  
443454



## Hetchin's Twin Forged Crown



Registered No. 849405.