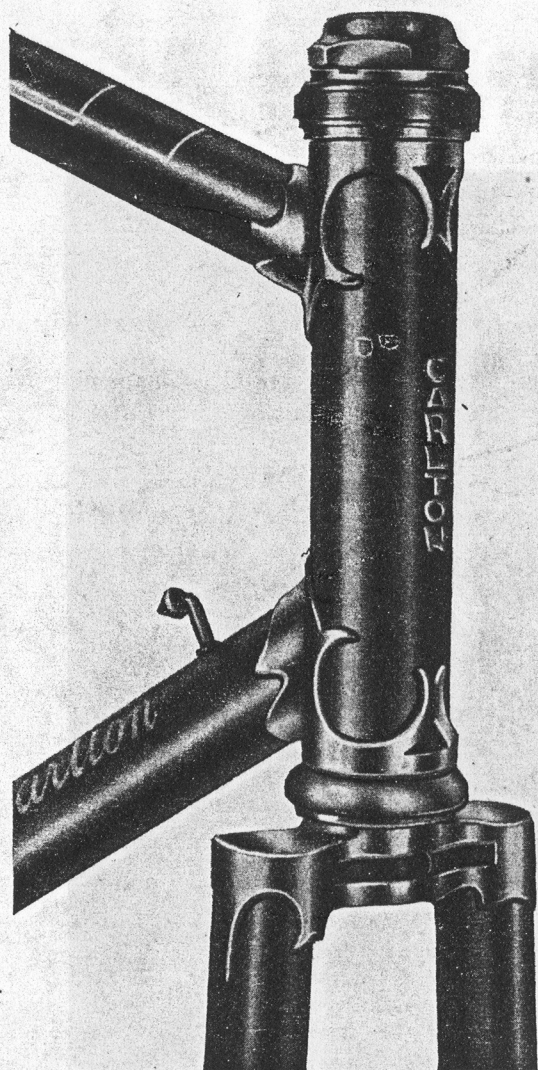
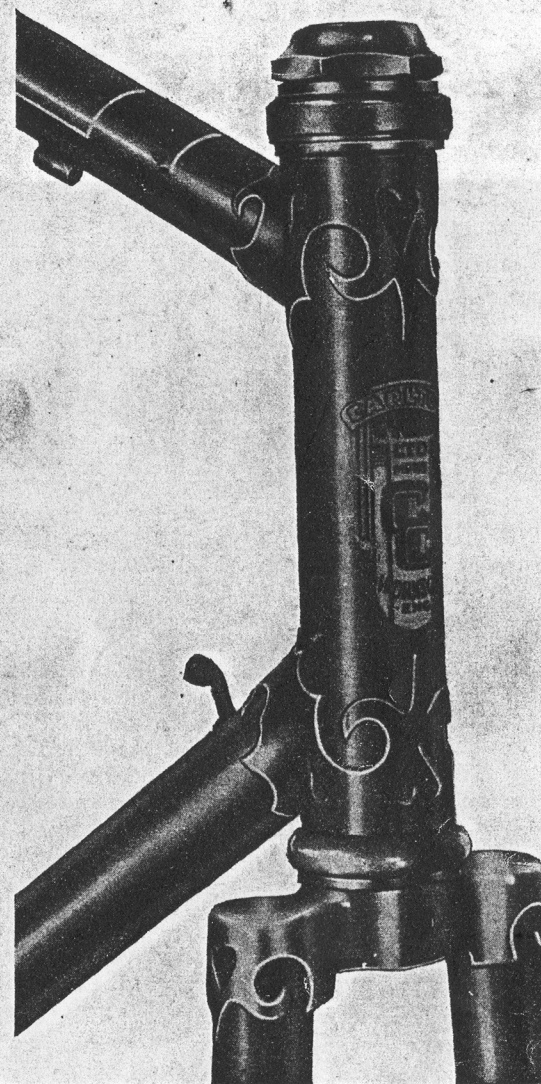


THE CARLTON MASSED START



THE CARLTON MASSED START SPECIAL



CARLTON CYCLES LTD · WORKSOP · ENGLAND

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Carlton

the
hand
made
cycle

CARLTON CYCLES was established in 1898 at Carlton, near Workshop and was carried on as such until the year 1933, when the business was taken over by Carlton Cycles Ltd. The present Company was reorganised in 1936 and the plant and methods of manufacture specially adapted to the manufacture of high grade Racing and Club Cycles. Many new models were introduced in 1936-7 including the now famous "Carlton Flyer," Massed Start, Massed Start Special, Super Python, Continental, Silver Clubman, etc. The standard of workmanship is now higher than ever and we can safely assert that our cycles today are equal to any produced elsewhere.

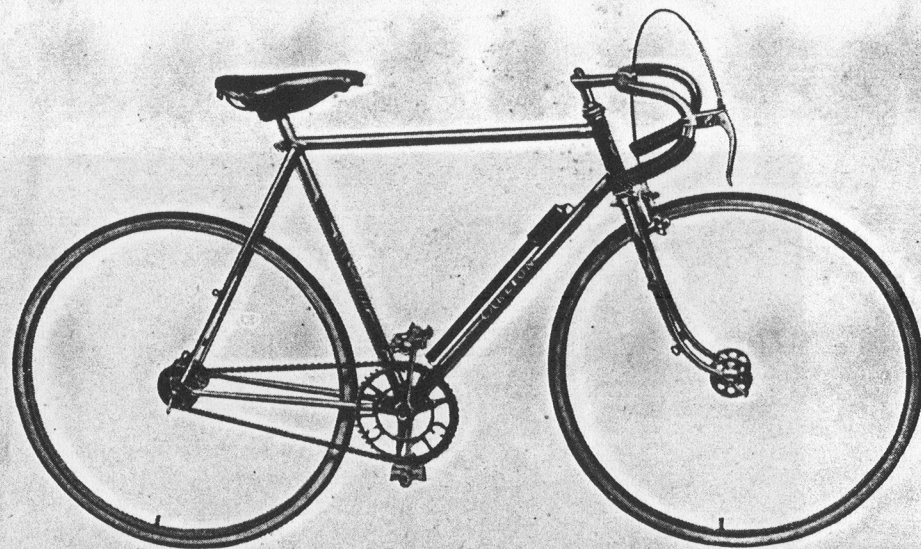
Carlton cycles have been ridden by winners of World's, English and many Overseas championships. IDENTICAL MODELS ARE AVAILABLE TO ALL CUSTOMERS

The frames of Models shown on pages 3 to 8 in this catalogue are all built with Reynolds 531 light gauge butted tubes, forks and stays and incorporate steel drop forged crowns. All frames are lug built, welding and other cheap methods of production are not used. These frames can all be built to individual measurements at the prices quoted. We have illustrated the lug cutting of the two Massed Start models, frames with these lugs can also be built for Time Trialing, Track or Pursuit racing, we can also supply Track versions of our Super Python model.

Carlton cycles are supplied through the retail trade, but agencies are only granted to dealers who thoroughly understand the Racing side of the Lightweight Trade and can give you service. Our staff at the works are only too pleased to give every assistance in the drawing up of specifications, and we do advise customers when ordering frames to give details of the hubs they will use

Since 1947 Jenolite has been used as a Rustproof on Carlton frames. It has proved to be the most efficient method for this purpose

THE CARLTON FLYER



FRAME AND FORKS. Built of Reynolds "531" Butted Tubes, Forks and Stays. Frame size optional 19 to 24 $\frac{1}{2}$ in. ($\frac{1}{2}$ in. sizes supplied). Wheelbase, bracket height and angles to order. 74-70 degree Head and seat angles are available. Built with $\frac{1}{2}$ in. ball brackets and B. Wiley C.P. bracket set, new type scroll lug cutting. Choice of Seat and Chainstays are as follows: Pencil seat with Rapid Taper chainstays; Pencil seat and chainstays or $\frac{3}{8}$ seat and Rapid Taper chainstays. The rear fork ends are set to 4 $\frac{1}{2}$ in. to suit 3 speed Derail. gears unless other dimensions are specified. Track rear ends supplied if required. Head fittings, Chatter-Lea head clip or Carlton 5/32 in. Continental expanderbolt fittings to order. The lugs are Flyer pattern filed to a feather edge. All stay ends are fluted to give final polish to a frame incomparable in design and finish.

FORKS. Rake to order. The following patterns and sections are available: Russ, Gradual rake, Semi straight or Short rake Flyer pattern. Russ in D to R or R to R section. Continental blades in Oval, Round or D to R, also C.C. Pursuit Pattern in Oval or Round. The crown is a drop forging and machined to suit design. Fork ends are fluted to match the rear stay ends.

WHEELS. 26 or 27 in. Dunlop High Pressures fitted with H.P. skin sided tyres. Built with 15/17 gauge D.B. spokes. Solite hubs.

MUDGUARDS. Blumels Noweight, quick detachable.

CHAINWHEEL AND CRANKS. C.1000, Scandia or Gnutti (C1200 or Chatter-Lea when available).

HANDLEBARS. Choice of 15-16 in. alloy or steel chrome plated bends, Aerts, Bailey, Binda, C.C. Pursuit, Maes or Pelissier bends on 2 or 3 in. Reynolds steel stem or G.B. alloy.

BRAKE. Front G.B. alloy with hooded lever and silver cable. Suitable for 26 or 27 in. wheels.

PEDALS. Alloy racing, Lyotard or B.8 solid centre C.P.

SADDLE. Brooks B.17 standard, Narrow or Spinter (Brooks Flyer when available) on alloy seat pin.

BRAZED ON BITS. All or any of the following can be supplied in the standard specification: lamp bracket boss, pump pegs, reflector eye, mudguard eyes brazed on, or mudguards fixed integral with fork ends. Brazed on gear boss, brake cable eyes, roller and gear eye.

FINISH. In any of the Carlton range of Enamel, Lustre or Flamboyant colours. The frame to selected colour with large panel on seat tube in contrasting colour and head tube in the same colour leaving head lugs all chrome. Forks left three-quarter chrome. C.P. rear ends. Remainder coloured to match frame with Flyer diamond panel to match head tube. Rims centred to match head tube. Blumels 18 in. pump supplied.

The old type Flyer with large bracket and long prong design of lug cutting is still available.

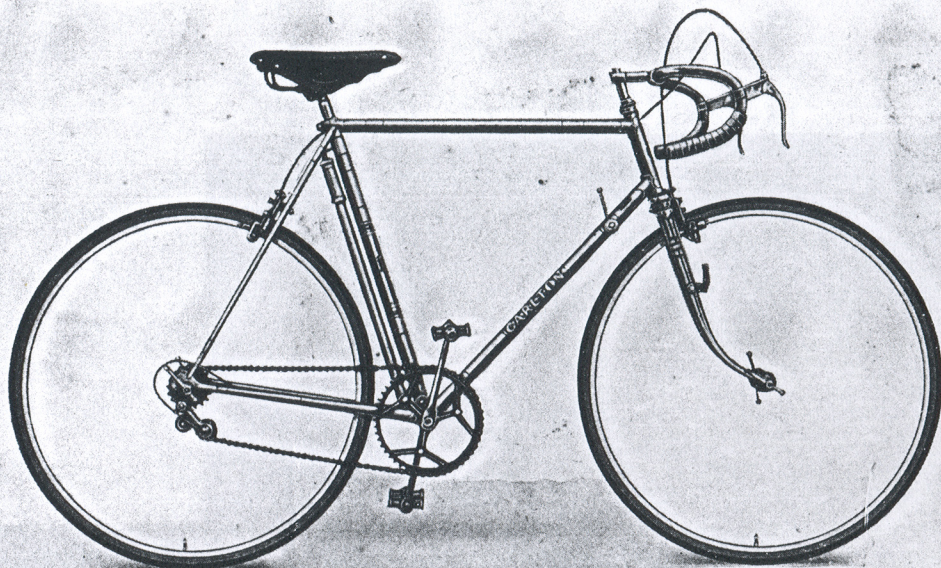
GRAND PRIX MODEL FLYER

This is the Track Racing edition of the famous Carlton Flyer and incorporates all the refinements of this well known model with the following modifications: Wheels, 27 in. Conloy sprints fitted with Dunlop tubulars built on Baylis Wiley Continental large flange hubs, D.B. Spokes. Chatter-Lea track nuts. Steel bend on Major Taylor extension. Fitted with a Williams special 5 pin double flange racing chainwheel set, 1 in. pitch, as supplied to professional riders. 1 in. block chain. No brazed on bits, mudguards or brake. Pedals, saddle and finish as Flyer.

SPRINTERS. Please note that the frames of this model can be supplied with extra long and stiff rear drop outs and heavy seat stays, as used by leading amateur and professional riders, at an extra charge of £1.

CONTINENTAL PROFESSIONAL ROAD MODEL

Model PR



This machine is specially designed for Massed Start Racing and is a typical example of machines we export for use by Professional and Amateur riders abroad.

FRAME AND FORKS. Built throughout of light gauge Reynolds "531" Butted Tubes, Forks and Stays. Frame size 19 to 24½ in. (48 to 62 c.m.) Continental lightweight lugs, giving angles of 73 to 70 degree Head and Seat. Wheelbase and bracket height to order. Mudguard eyes incorporated in fork ends unless brazed on type preferred. 18" pump pegs on seat tube. If required a brazed on detachable and adjustable lamp bracket can be supplied. Usual brazed on gear lever, cable eyes, roller and gear eye.

WHEELS. 27 in. Dunlop Road pattern Sprints fitted with Dunlop tubulars. Built on Airlite 36/36 or 32/40 hubs with D.B. spokes.

TRANSMISSION. Gnutti or Scandia chain set 48, 49 or 50T. 3/32 in. chainrings, French Brampton 3/32 in. chain with Huret Tour de France or Simplex 5 speed gear, with Eureka freewheel. (All five sprockets interchangeable. Any five sprockets supplied 14-21).

HANDLEBARS. Your choice of 15-16 in. Alloy or Steel bend on 2 or 3 in. steel stem.

BRAKES. Two G.B. alloy with hooded levers.

PEDALS. Alloy racing, 15B Lyotard or B8 chrome plated in steel.

SADDLE. B.17 standard or B.17 Narrow on Alloy seat pin. G.B. Wing nuts. 48 in. pump.

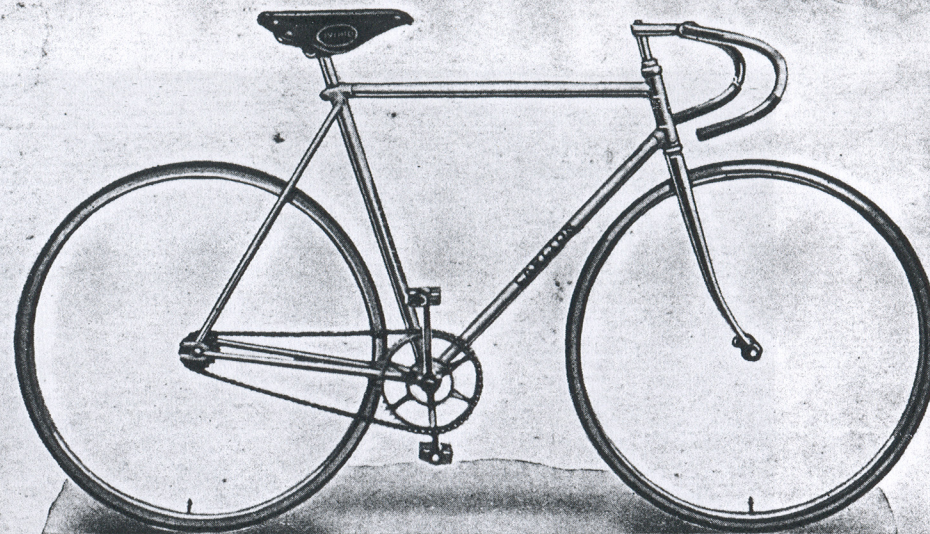
FINISH. Colour to choice, special panel or standard panel on seat tube. D.B. lined with lugs picked out, Chromium plated crown.

PROFESSIONAL ROAD 3 SPEED

This machine can also be supplied with the following modified specification: 27 in. H.P. tyres and rims, Special Huret Tour de France or Simplex 3 speed gear with Reynolds ½ in. chain. Solite hubs. Steel wing nuts. Otherwise as specified above.

THE CARLTON ROAD TRACK

Model RT



FRAME. Built throughout of light gauge "531" butted racing Tubes, Forks and Stays. Sizes 19 to 24½ in. To your own measurements, bracket height and angles. Track or Road rear ends as required. Wheelbase to order. Carlton 5/16" bracket. Chater bracket fittings.

FORKS. Continental Professional or to order.

WHEELS. 27 in. Conloy Sprint fitted with Dunlop tubulars. Wheels built on Solite hubs with double butted spokes.

PEDALS. B.8. solid centre chrome plated.

SADDLE. B.17 Sprinter or B.17.N.

BEND AND STEM. Bend to order on Major Taylor stem.

CHAIN. Renolds Elite.

CHAINSET. C.1000.

FINISH. In any of the Carlton range of Enamel, Lustre or Flamboyant colours. Full chrome forks and rear fork ends.

SPRINTERS. Please note that the frames of this model can be supplied with extra long and stiff rear drop outs and heavy seat stays, as used by leading amateur and professional riders, at an extra charge of £1.

THE CARLTON MASSED START SPECIAL

Model MSS



FRAME. Built throughout with complete sets of Reynolds "531" light gauge racing Butted Tubing, Forks and Stays. Size to order. 19 to 24½ in. Angles to order, 74 to 70 degree Head, 74 to 70 degree Seat. Pencil seat and chain stays or Pencil seat stays and Rapid Taper chain stays. Giving ample clearance for tubulars. Wheelbase and bracket height to order. **The lug work on the frame is Italian type, exclusively reserved for Carlton Cycles, and gives a beautiful finish to a first class frame. Carlton name plate on head.** All frames built to take Derail. gears unless otherwise ordered. To enable double changers to be used with standard fittings, a complete set of Bayliss Wiley polished chrome plated bracket fittings is used, together with their racing axle.

FORKS. Continental type Oval, D section or Round of varying designs, fitted with drop forged machined crowns and solid fork ends. **REYNOLDS Elite. Williams C.34.**

WHEELS. 26 in. or 27 in. Dunlop High Pressures fitted with H.P. Tyres. Built with 15-17g. Double Butted Spokes. No. 9 and No. 10 D.S. Hubs. Chrome plated. Sivada hubs on geared models.

HANDLEBARS. Choice of chrome plated or alloy Bailey, Binda, Maes, Pelissier, Aerts or C.C. Pursuit.

BRAKE. G.B. Alloy with Hooded Lever and White Cable.

SADDLE. Brooks B.17.N or B.17 Standard. **PEDALS.** B.8. **ANY GEAR EXTRA TO ORDER.**

BRAZED ON BITS. All or any of the following can be supplied in the standard specification—Lamp bracket boss, pump pegs, reflector eye, mudguard eyes brazed on, or mudguards fixed integral with fork ends. Brazed on gear boss, brake cable eyes, roller and gear eye.

FINISH. In any of the Carlton range of Enamel, Lustre or Flamboyant colours. Double box lined, and lugs lined in a suitable colour and picked out in fancy designs. The only chrome on the frame as standard is the fork crown, but extra plating, if required, can be supplied at the usual charges. Bands or Large Carlton transfer on seat tube. 18 in. Blumels pump.

THE CARLTON MASSED START

Model MS



FRAME. Built throughout with complete sets of Reynolds "531" light gauge racing Butted Tubing, Forks and Stays. Size to order. 19 in. to 24½ in. Angles to order, 74 to 70 degree Head. 74 to 70 degree seat. Pencil seat and chain stays or Pencil seat stays and Rapid Taper chain stays. Giving ample clearance for tubulars. Wheelbase and bracket height to order. Special lug work. Frames built of Continental lugs of nice design and excellent finish. All frames built to take Derail. gears unless otherwise ordered. To enable double changers to be used with standard fittings, a complete set of Bayliss Wiley polished chrome plated bracket fittings is used, together with their racing axle.

FORKS. Continental type Oval, D section or round of varying designs, fitted with drop forged machined crowns and solid fork ends. **REYNOLDS Elite. Williams C.34.**

WHEELS. 26 in. or 27 in. Dunlop High Pressures fitted with H.P. Tyres. Built with 15-17g. Double Butted Spokes. No. 9 and 10 D.S. Hubs. Chrome plated. Sivada hubs on geared models.

HANDLEBARS. Choice of chrome plated or alloy Bailey, Binda, Maes, Pelissier, Aerts or C.C. Pursuit.

BRAKE. G.B. Alloy with Hooded Lever and White Cable.

SADDLE. Brooks B.17.N or B.17 Standard. **PEDALS.** B.8. **ANY GEAR EXTRA TO ORDER.**

BRAZED ON BITS. All or any of the following can be supplied in the standard specification—Lamp bracket boss, pump pegs, reflector eye, mudguard eyes brazed on, or mudguards fixed integral with fork ends. Brazed on gear boss, brake cable eyes, roller and gear eye.

FINISH. In any of the Carlton range of Enamel, Lustre or Flamboyant colours. Fork chrome crown and tips. Chrome head lugs, with head in a contrasting colour on an all chrome base. Double box lined. Special three piece panel on seat tubing, or Carlton long transfer as required. Blumels 18 in. pump supplied.

THE CARLTON SUPER PYTHON

Model SP



FRAME. Built throughout with complete sets of Reynolds "531" light gauge racing Butted Tubing, Forks and Stays. Head any angle 74 to 70 degree. Seat angle 74 to 70 degree. Lugs cut to "Carlton" pattern and filed to a feather edge. Built to order to take 26 or 27 in. wheels. Any size from 19 to 24½ in. supplied. Frame built with Carlton 5/16 in. ball bearing bracket and fitted with a Chater-Lea bracket set. Ample clearance for large tubular tyres. Chrome plated Carlton Expanderbolt head fittings. Track ends fitted if desired. Brazed on mudguard eyes, pump pegs and reflector eye.

FORKS. "531" Butted, D to O, O to O or Oval. The usual Continental rakes or Russ pattern, Gradual rake, Semi-straight, etc., can be supplied.

TYRES. Dunlop High Pressures:

CHAIN WHEEL SET. Williams C.34. 46 or 48 Tooth. 6½ in. cranks. Chrome finish.

WHEELS. 26 or 27 in. x 1½ in. Dunlop Chrome High Pressures, built with D.B. spokes on Bayliss Wiley's C.P. 9 and 10 Racing hubs.

HANDLEBARS. Binda, Maes, Pelissier, Aerts or Bailey C.P. bends on 2 or 3 in. extension.

PEDALS. Chrome B.8. solid centre racing. **MUDGUARDS.** Celluloid, quick detachable.

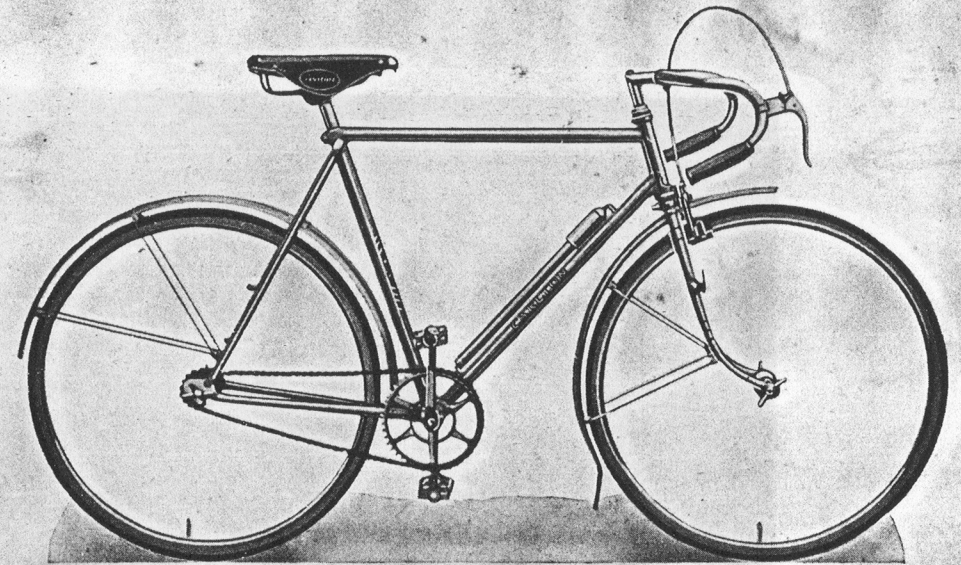
CHAIN. Renolds Elite. **BRAKE.** G.B. alloy with hooded lever and white cable.

SADDLE. Brooks B.17. or B.17.N on Alloy or C.P. steel seat pillar.

FINISH. In any of the Carlton range of Flamboyant, Lustre or Enamel colours. Front forks chrome plated crown and tips. Blumels 18 in. pump.

THE CARLTON SILVER CLUBMAN

Model SCR



FRAME. Built of light gauge "531" Butted Racing tubes. 73-71 or 72-70 degree. * Sizes 19 in. to 24 in. Lugs Carlton design filed to a feather edge. Bracket height 10½ in. for 26 in. wheels. Wheelbase 40½ in. Built with "Carlton" bracket to take 5/16 in. ball bearings fitted with Chater-Lea cups.

FORKS. "531" Butted: Russ D to O or Continental.

WHEELS. 26 or 27 in. H.P., C.P. rims and tyres. B.W. Ideal Racing hubs. Rustless D.B. spokes.

GOVENTRY chain. Bailey or other racing bend. C.P. extension or G.B. alloy. B.8. solid centre pedals chrome plated.

WILLIAMS C.34, 46 or 48T.

SADDLE. B.15.

BRAKE. G.B. alloy with hooded lever and white cable.

FINISH. In any of the Carlton range of Enamel, Lustre or Flamboyant colours.

THE CARLTON SPECIAL RACE

Model SR



FRAME. Built of "531" tubes with cutaway lugs to special design and filed to a feather edge. Angles 72/70 or 73/71 degrees. All brazed on bits. Forward drop outs. D to O Russ or Continental forks to order, built with Chater-Lea solid fork ends and fitted with C.L. lamp bracket. Sivada narrow barrel racing hubs, Dunlop 26 or 27 in. High Pressure rims and tyres built with D.B. spokes. Chrome plated steel racing pedals. Williams C.34 chainwheel and cranks. Brooks B.15.N saddle. 2 G.B. alloy brakes with hooded levers. G.B. alloy stem $1\frac{3}{4}$ or $2\frac{3}{4}$ in. to order. Celluloid guards, quick detachable. Special Huret Tour de France or Simplex 3 speed gear.

FINISH. In any of the Carlton range of Flamboyant colours, with a special panel on the seat tube. Lustre or enamel colours on request.

The new ~~Bendix 2 speed~~ or the Sturmey Archer F.W. 4 speed can be supplied on this model without extra charge.

This model can be supplied without a gear at a reduction in price. See price list.

CARLTON 531 SPORTS



FRAME. "531." Built to upright angles. Cutaway and fishtailed lugs. Usual brazed on bits. Chater-Lea adjustable and detachable lamp bracket. Russ or Continental pattern forks, built with solid fork ends. C.P. High Pressure 26 in. rims, and H.P. Dunlop tyres. Chrome plated Defiance Derail. Racing Hubs. Maes or Pelissier alloy bend on G.B. alloy extension.

WILLIAMS chainwheel and cranks. 3 Speed special Huret Tour de France or Simplex gear.

Two G.B. alloy brakes.

SADDLE. L99 Racing.

Quick detachable celluloid guards.

C.P. Racing Pedals.

Coventry Chain.

Rustless Spokes.

FINISH. In any of the Carlton range of Flamboyant colours, and special lining with Olympic bands. Lustre or Enamel colours on request.

A Sturmey Archer F.W. 4 speed gear or ~~Bendix 2 speed~~ gear can be supplied if required.

This model can be supplied without a gear at a reduction in price. See price list.

CARLTON CYCLES LTD

WORKSOP

PRICE LIST AS PER CATALOGUE

MODEL	Total Price with Tax	Purchase Tax	Frame Price complete	Frame less Chainset
Flyer	39 0 1	7 7 7	18 5 0 (plus cost of chainset available)	18 5 0
Track Flyer (Grand Prix)	43 15 8	8 5 8	19 15 0	18 5 0
Professional Road (5 speed)	52 8 4	9 18 4	16 15 0	14 7 6
Professional Road (3 speed)	39 9 4	7 9 4	16 15 0	14 7 6
Road Track	37 9 3	7 1 9	17 0 0	15 7 6
Franco Italia	31 9 0	5 19 0	16 2 6	15 0 0
Massed Start Special	31 9 0	5 19 0	16 2 6	15 0 0
Massed Start	30 16 8	5 16 8	15 12 6	14 10 0
Super Python	27 15 0	5 5 0	13 10 0	12 7 6
Special Race	27 5 9	5 3 3	11 5 0	10 2 6
S.C.R.	24 19 6	4 14 6	11 2 6	10 0 0
531 Sports	23 5 7	4 8 1	8 15 0	8 0 0
Super Clubman (New Model)	29 8 11	5 11 5	13 0 0	11 17 6

A frame set consists of the frame complete with head and bracket fittings, chainwheel and cranks and seat pillar, unless otherwise stated

Models "SPECIAL RACE" and "531 SPORTS" can be supplied with 2 G.B. Brakes with Hooded Levers and Freewheel or 2 fixed sprockets at the reduction in price (including tax) of £1 17 0

All Prices quoted are for **Ladies or Gents** models

12th July 1951