

LIGHTWEIGHT

CARPENTER



RANKIN BROS. LTD.,
346 Strand, London, W.C.1,
and at Bristol.

CYCLES

GUARANTEE

All Carpenter Cycles and Tandems are fully guaranteed for FIVE YEARS, and a written guarantee is sent with every machine.

CARRIAGE

All machines are sent carriage paid to any part of Great Britain and Northern Ireland. On Overseas Orders all carriage and Customs duty, insurance, etc., must be paid by the customer. Crates and packing free.

We export to any part of the world.

HIRE PURCHASE

Our Hire Purchase System is financed by ourselves, and all transactions are private and personal between ourselves and the purchaser. We are always willing to make friendly arrangements, in cases of illness, unemployment, or other misfortune, if we are informed without delay.

All deposits and monthly instalments are plainly stated under the models herein. The first instalment becomes due one calendar month from dispatch of machine.

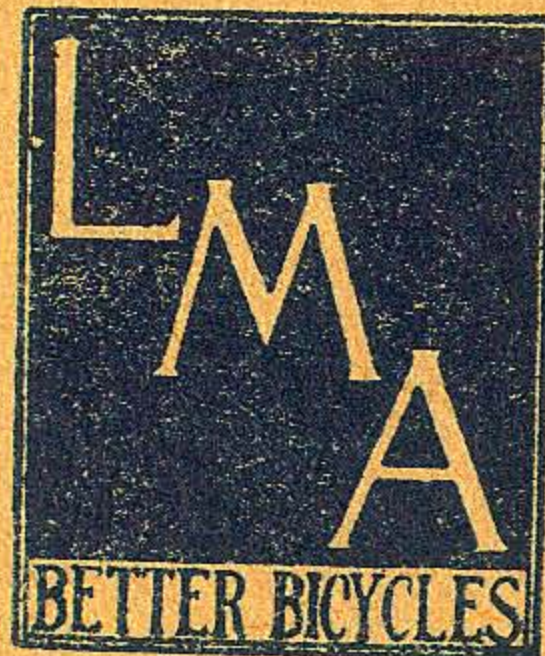
Customers may remit larger instalments than agreed. We refund half the interest charged if the transaction is completed in six months, and pro rata.

We extend the same personal attention and courtesy to customers purchasing by instalments, as to cash transactions.

CASH ORDERS

A deposit of 20/- must accompany all orders for Cycles or Frames, and 40/- on Tandems, the balance to be remitted on advice from us that the machine is ready for dispatch.

Members of the Light-weight Manufacturers' Association.



H. CARPENTER & SON

Specialist Builders of Light-weight Cycles and Tandems

43 PENTON STREET, LONDON, N.1

(Two minutes from the Angel, or King's Cross Terminal Station).

Telephone: TERminus 4976.

Hours of Business - 8.30 a.m. till 8 p.m.
Thursdays, close 1 p.m. Saturdays, close 9 p.m.

INTRODUCTION

WE have pleasure in placing before you our latest revised and improved Catalogue. While retaining some of our older and well-proven models, which are still supreme in their class, we have introduced several new models that warrant your earnest attention and consideration when contemplating a new mount.

In these days of mass production and stereotyped designing, it is refreshing to find a cycle that is out of the rut, and definitely different from the rest, whether viewed in the cold light of technical analysis, or in the warm glow of rider enthusiasm. Carpenter Cycles and Tandems stand out as a particularly interesting and attractive proposition.

All machines are built from highest-grade materials, and the workmanship, finish and assembly, the highest standard of craftsmanship. Special instructions are carried out in detail. Our years of experience in lightweight construction, plus our club and racing experience, assure you of a real thoroughbred mount.

We cannot advertise our many successes, but you have no doubt noticed the consistent wins by riders of our machines in classic events throughout the country. Our "Short-Markers Special" Model is a familiar sight in all the important road trials.

SPECIAL FEATURES

All frames are jig built, ensuring absolute accuracy. Tubes are mitred and pinned into special angled lugs, superbly filed and lightened. We have lugs of all angles, and do not resort to the dangerous practice of lug pulling.

Brazing is by low temperature method. No life is lost from the steel during this important operation. Our exclusive rapid taper seat and chain stays give ample tyre and chainwheel clearance, without indents, and make the rear triangle incredibly rigid.

Standard brazed-on parts are pump pegs, chain hook, mudguard eyes, and fork lamp bracket boss, reflector eye if required, but we recommend the reflector to be fitted to the rear guard.

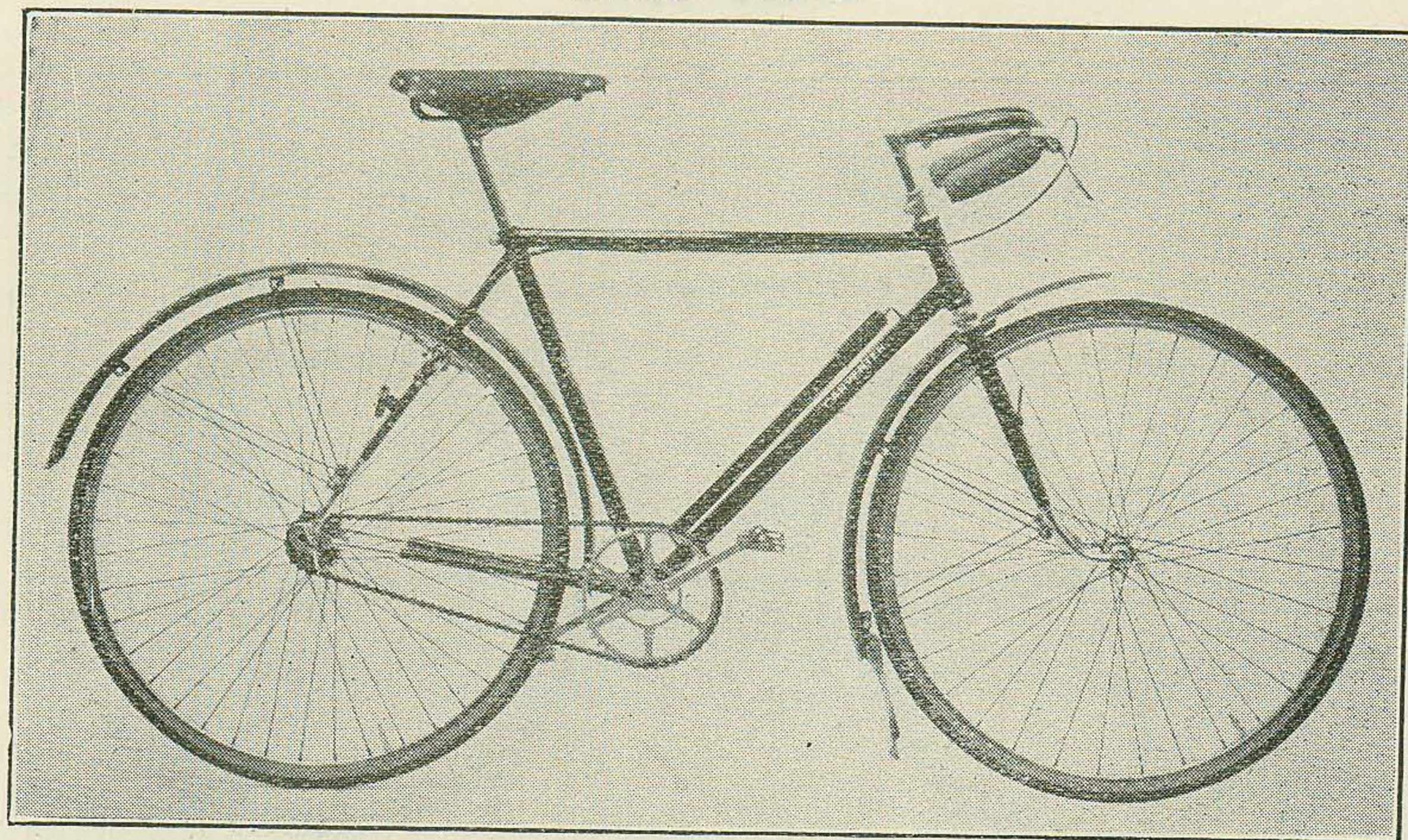
Chromium plating is of the best quality on copper, and we are introducing a new non-chip high gloss enamel, also a new hard wearing flamboyant finish that will give long service.

Tecalemit high pressure oiling to all bearings, also an aluminium bracket liner that ensures a clean bracket assembly in all weathers.

In conclusion, we wish to emphasise that every order is an individual job, and built entirely to your requirements. Wheelbases and bracket heights can be altered on any model to suit you. We are willing to quote for special designs without obligation to purchase.

H.M. SUPER CLUBMAN

MODEL No. 3.



Weight, 24 lb.

A high-class fast touring or racing mount, incorporating a really light frame, and best quality components. Will meet all the requirements of the racing clubman.

- FRAME** - Size to order. Reynolds H.M. or "531" tubes, rapid taper seat and chainstays. All lugs superbly cut and lightened. Forward release fork-ends. Wheelbase, 41½". Bracket, 10½". Brazed-on refinements. Oil-retaining bracket.
- FORKS** - Carpenter special resilient, or Reynolds S.R. taper. Solid central ends, slots at angle to give instant release.
- WHEELS** - Endrick 23G. rims, Bayliss Wiley Featherweight hubs. Black butted spokes, cogs to order. Neat steel wing nuts.
- TYRES** - Dunlop Sprite or Speed, Palmer Pixie, or to choice.
- TRANSMISSION** - Williams C.1000 lightweight 3-pin fixing, 6½" cranks. Rosa or Webb pedals, Renolds chain. Drilled-through bracket axle.
- BARS** - Highgate, or to choice. Light steel clip or extension, sponge rubber grips.
- SADDLE** - Brooks B.17 n, H.M. seat pin.
- BRAKE** - Resilion "A" cantilever, or Conloy bolt-on.
- MUDGUARDS** - Bluemel's New Noweight, spring clip fitting.
- FINISH** - Hand-polished and rustproofed, heavily enamelled black or colour. Super quality chromium-plated crown, front and rear fork ends, and usual parts.
- EQUIPMENT** - Bluemel's 15" pump and reflector, white flap. Tecaletmit oil-gun. Nipples to all bearings.

Carpenter Super Fittings - - - CASH **£9 - 0 - 0**

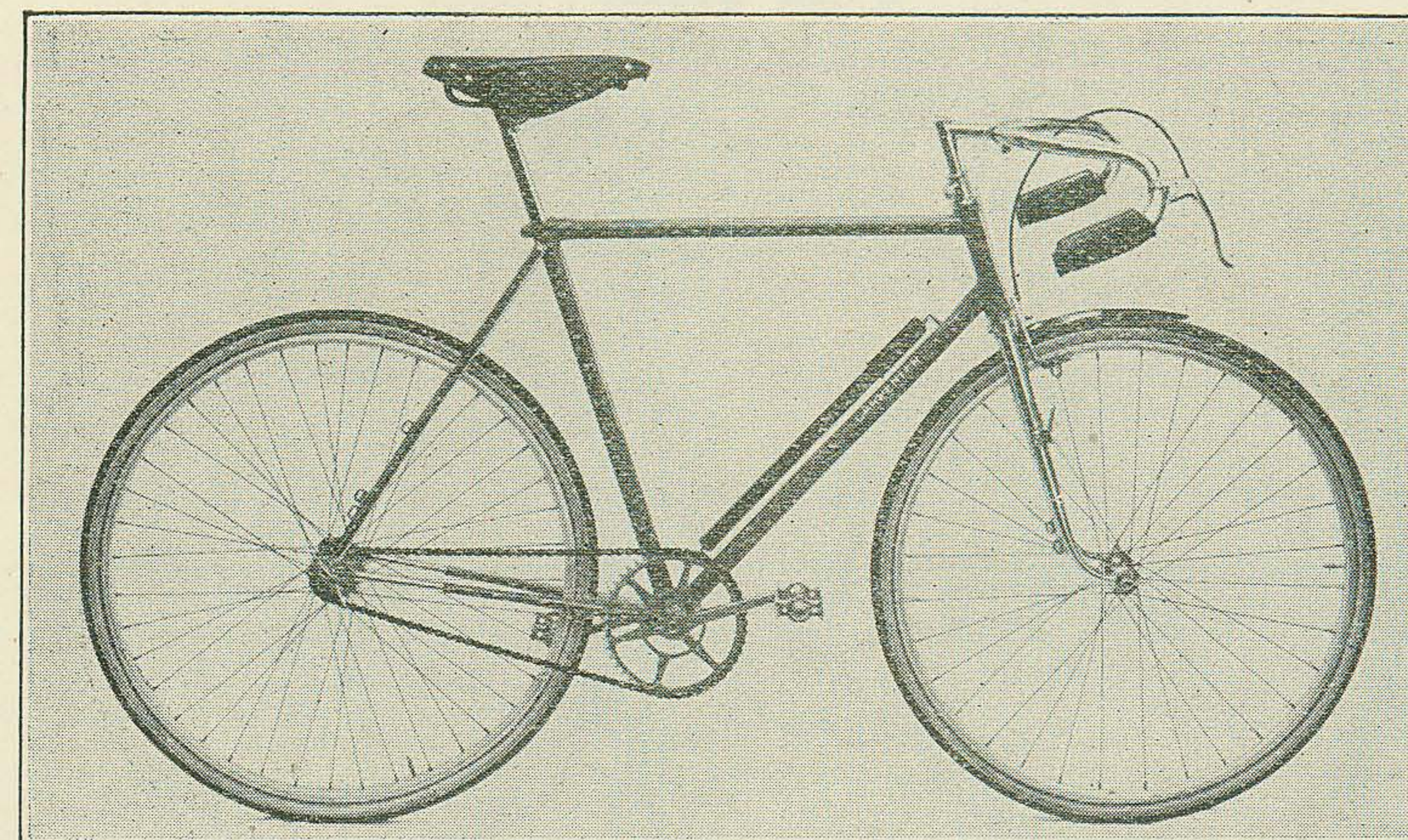
Or 30/- deposit and twelve payments of 14/6

B.S.A. or Chater-Lea Fittings - - - CASH **£11 - 0 - 0**

Or 40/- deposit and twelve payments of 17/6

D.P. ROAD RACING

MODEL No. 4.



Weight, 19 lb.

Our "Short-Markers' Special," built for sheer speed, extremely rigid and responsive. The steering is a revelation. Many classic road events have been won on this model. A proved "All-rounder."

- FRAME** - Our own special design. Upright head and seat tubes. Reynolds H.M. or "531" tubes, rapid taper seat and chain stays, super lug work, forward release ends. Bracket, 10½". Wheelbase, 41". Brazed-on refinements. Oil-retaining bracket.
- FORKS** - Carpenter special resilient. D to O, or 7/8" round. Central type, solid ends. Slots at angle to give instant release.
- WHEELS** - Tabucchi flat or crescent rims, 26" or 27". Carpenter special 14 oz. light steel race hubs, black butted spokes, cogs to order.
- TYRES** - Dunlop No. 3 or 4, Tabucchi or Constrictor.
- TRANSMISSION** - Williams C.1000 set. Webb or Boa pedals. Elite chain. Drilled-through bracket axle.
- BARS** - Shallow Highgate, or to choice. Extra light clip or extension. Constrictor grips.
- SADDLE** - Brooks B.17, or to choice. H.M. seat pin.
- BRAKE** - Constrictor Cobra, bolt-on, front or rear.
- FINISH** - Hand-polished and rustproofed, heavily enamelled black or colour. Super quality chromium-plated crown, front and rear fork ends, and usual parts.
- EQUIPMENT** - Spearpoint extension. Bluemel's 15" pump and reflector. Tecaletmit oil-gun. Nipples to all bearings.

Carpenter Super Fittings

CASH - **£10 - 10 - 0**

Or 40/- deposit and 12 payments of 16/6

With Steels & Guards in place of Sprints

CASH - **£9 - 10 - 0**

Or 30/- deposit and 12 payments of 15/9

B.S.A. or Chater-Lea Fittings

CASH - **£12 - 5 - 0**

Or 40/- deposit and 12 payments of 19/6

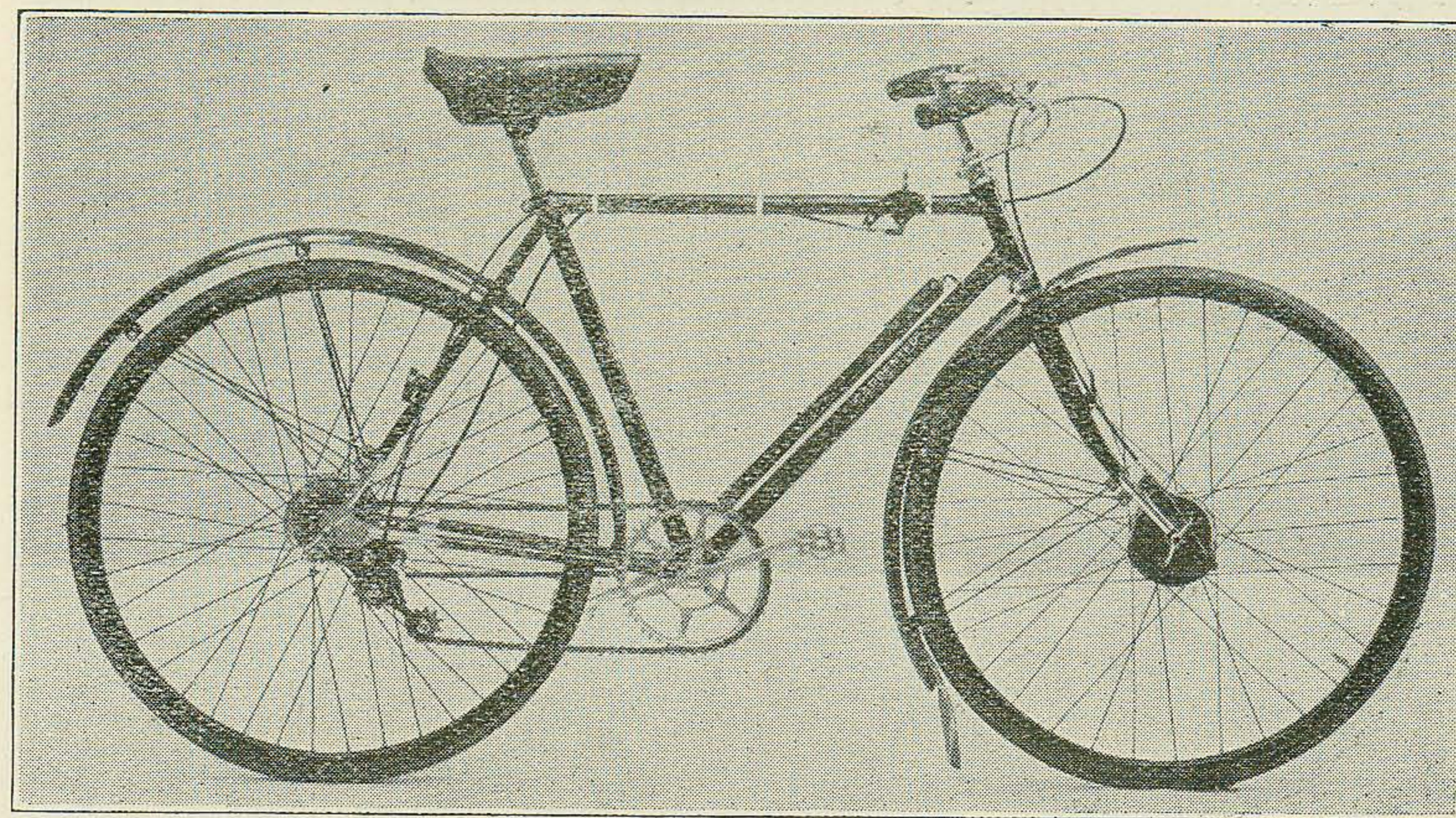
With Steels & Guards in place of Sprints

CASH - **£11 - 5 - 0**

Or 30/- deposit and 12 payments of 18/9

DE LUXE TOURING

MODEL No. 7.



Weight, 30 lb.

An ideal mount in hilly country. Designed for long-distance touring, with minimum effort. Comfort and ease are the essential features of this model. A real all-on de luxe specification.

- FRAME** - Size to order. Reynolds "A" butted tubes, lugs cut out and lightened, rapid taper seat and chain stays, forward release. Bracket, 10½". Wheelbase, 41½". Brazed-on refinements. Oil-retaining bracket.
- FORKS** - D to O section, rake to order. Central type solid ends.
- WHEELS** - Endrick or Westwood rims, heavy gauge butted spokes. Sturmey-Archer, Cyclo, or TriVelox hubs, with or without hub-brake.
- TYRES** - Dunlop Fort or Roadster, Palmer, or to choice.
- TRANSMISSION** - Williams C.34 3-pin chainwheel and cranks. Brampton race or roadster pedals. Renold chain.
- GEAR** - Cyclo, TriVelox, Simplex, or Sturmey-Archer.
- BARs** - Carpenter All-Rounder flats, or to choice. Adjustable clip or extension. Sponge rubber grips.
- SADDLE** - Brooks, Terry, or Lycett Aero.
- BRAKES** - Two Resilion "A" Cantilevers, Monitor, or hub-brakes.
- MUDGUARDS** - Bluemel's New Noweight, spring clip fitting.
- FINISH** - Hand-polished and rustproofed. Three coats best stove enamel, black or colour. Chromium-plated crown, front and rear ends, and usual parts.
- EQUIPMENT** - Bluemel's 15" pump and reflector, white flap. Tecalemit oil-gun. Nipples to all bearings.

Brampton Super Fittings - - - CASH **£10-0-0**

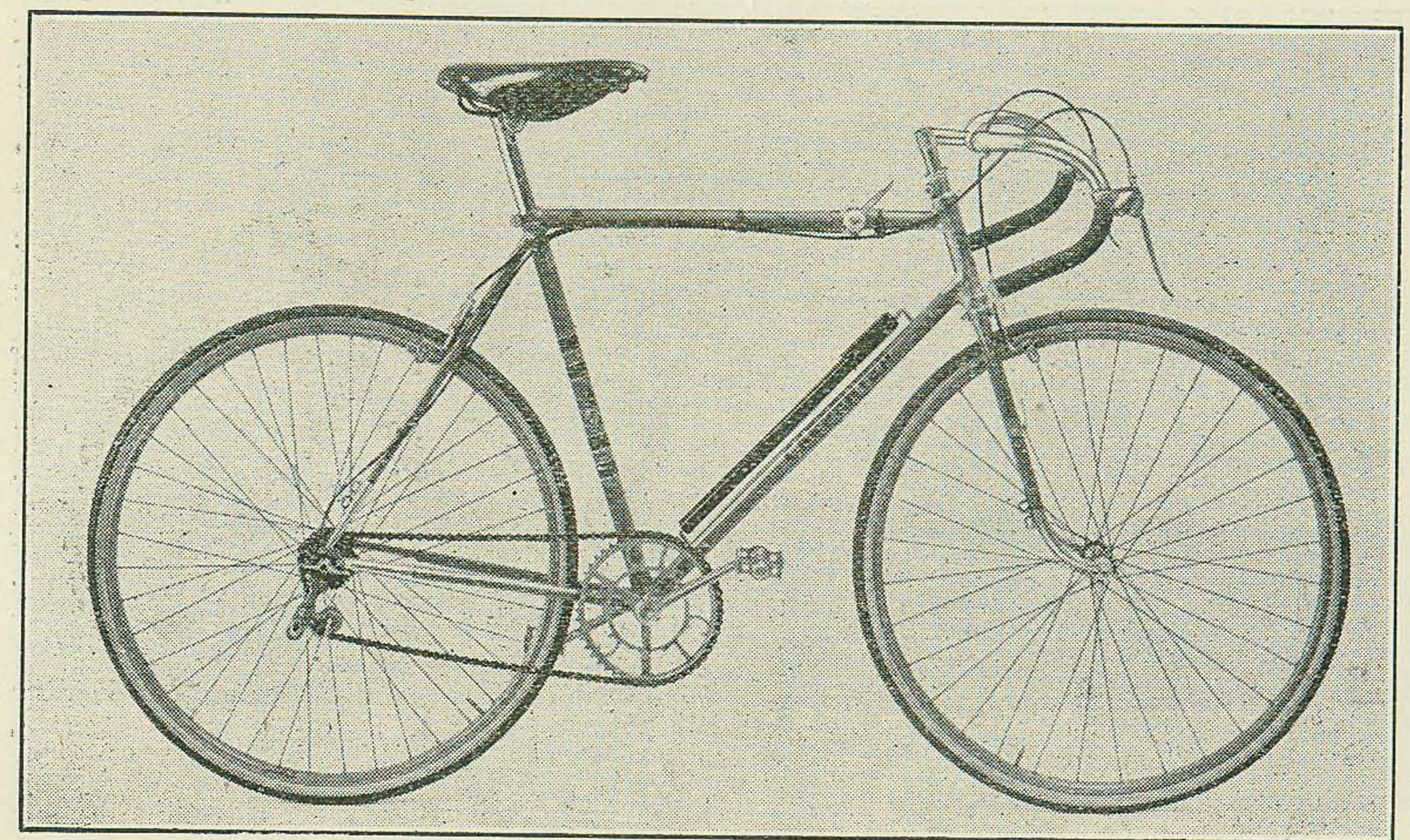
Or 30/- deposit and twelve payments of 16/6

B.S.A. or Chater-Lea Fittings - - - CASH **£11-5-0**

Or 40/- deposit and twelve payments of 18/-

"ACE-CONTINENTAL"

MODEL No. 8.



Weight, 21 lb.

An entirely new design, on Continental lines, but with frame angles to suit English road racing at all distances. A real speed job, with a super specification and finish.

- FRAME** - Our own special design and angles. H.M. or "531" tubing. Super lug work, rapid taper seat and chain stays. Special forward release ends, to suit gear. Bracket, 10½". Wheelbase, 41". Brazed-on refinements. Oil-retaining bracket.
- FORKS** - Carpenter special resilient, D to O or 7/8" round, solid ends. Slots at angle to give instant release.
- WHEELS** - Tabucchi flat or crescent section, 26" or 27". Carpenter super 14 oz. racing hubs, black butted spokes, tied and soldered.
- TYRES** - Dunlop No. 3 or 4, Tabucchi or Constrictor, to choice.
- TRANSMISSION** - Williams C.1000 set. Webb or Boa pedals. Elite chain. Drilled-through bracket axle.
- GEAR** - Simplex, Champion of France, or Professional model, Osgear or Cyclo Super. (Simplex octagonal hub, 15/- extra.)
- BARs** - Carpenter Continental, or to choice. H.M. extension. Grips or tape to order.
- SADDLE** - Brooks B.17, Swallow or Duralumin. H.M. seat pin.
- BRAKES** - Two special duralumin, bolt-on type.
- FINISH** - Attractive Continental effect. International or club colour bands on seat tube. Chromium-plated head tube and lugs. Spearpoints down fork blades. Front and rear ends.
- EQUIPMENT** - Spearpoint extension. Bluemel's 15" pump. Tecalemit oil-gun. Nipples to all bearings.

Carpenter Super Fittings - - - CASH **£13-10-0**

Or 60/- deposit and twelve payments of 20/9

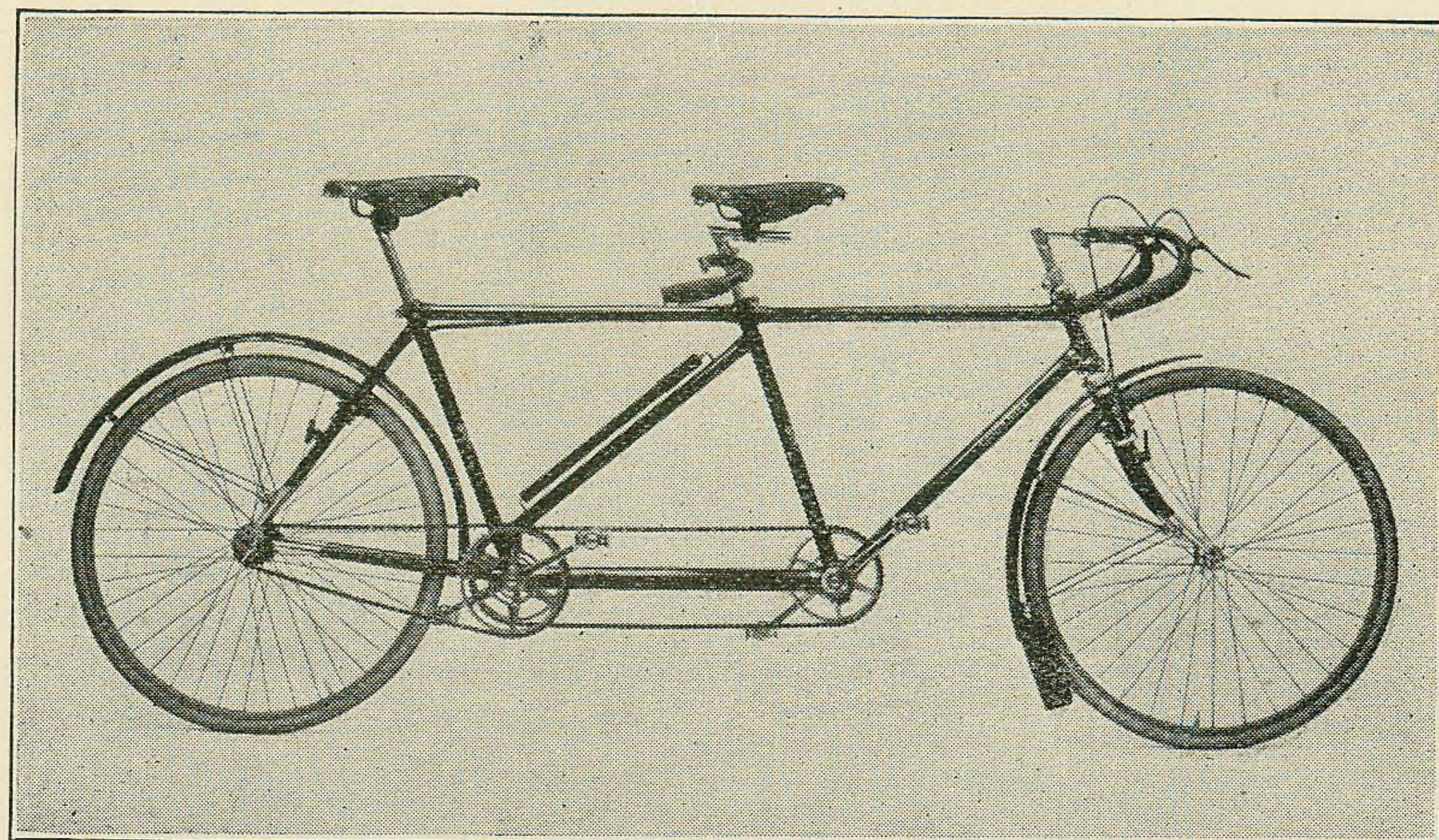
"ACE-CONTINENTAL" Model, with High Pressure Rims and Tyres, Double Cog Hub, one Alloy Brake, and Bluemel's Guards.

CASH **£11-0-0**

Or 40/- deposit and twelve payments of 17/6

ROAD RACE TANDEM

MODEL No. 9.



Weight, 46 lb.

A really distinctive two-seater, very fast and responsive, with a first-class specification. Ample top tube lengths. Both riders can obtain an ideal position. 1936 short wheelbase design.

- FRAME** - Size to order. Double diamond or central tube pattern. Reynolds "A" butted tubes. All lugs cut and lightened. Forward release ends. Wheelbase, 64". Bracket, 10 $\frac{3}{4}$ ". Brazed-on refinements.
- FORKS** - Carpenter special resilient, or as illustrated. Heavy butted stem, solid ends.
- WHEELS** - Endrick tandem rims, Brampton d.c. tandem hubs, 13-15 heavy gauge spokes. Cogs to order. Tandem wing nuts.
- TYRES** - Dunlop Sprite or Translucent, Palmer Tandem, or choice.
- TRANSMISSION** - Williams tandem set, direct or cross-over drive. Brampton Universal race pedals. Renold chains.
- BARS** - Marsh front, North Road rear, or to choice. 1" front stem. Rear bars on seat pin or T clip. Sponge grips.
- SADDLES** - Brooks B.17, Terry, or Lycett.
- BRAKES** - Two Resilion cantilevers, or hub to choice.
- MUDGUARDS** - Bluemel's New Noweight, spring clip fitting.
- FINISH** - Hand-polished and rustproofed. Super enamelled black or colour. Chromium-plated crown and usual parts. (Chromium-plated front and rear fork ends, 10/- extra)
- EQUIPMENT** - Bluemel's 15" pump and reflector, white flap. Tecalet oil-gun. Nipples to all bearings.

Brampton Super Fittings - - - CASH **£15-0-0**

Or 60/- deposit and twelve payments of 23/9

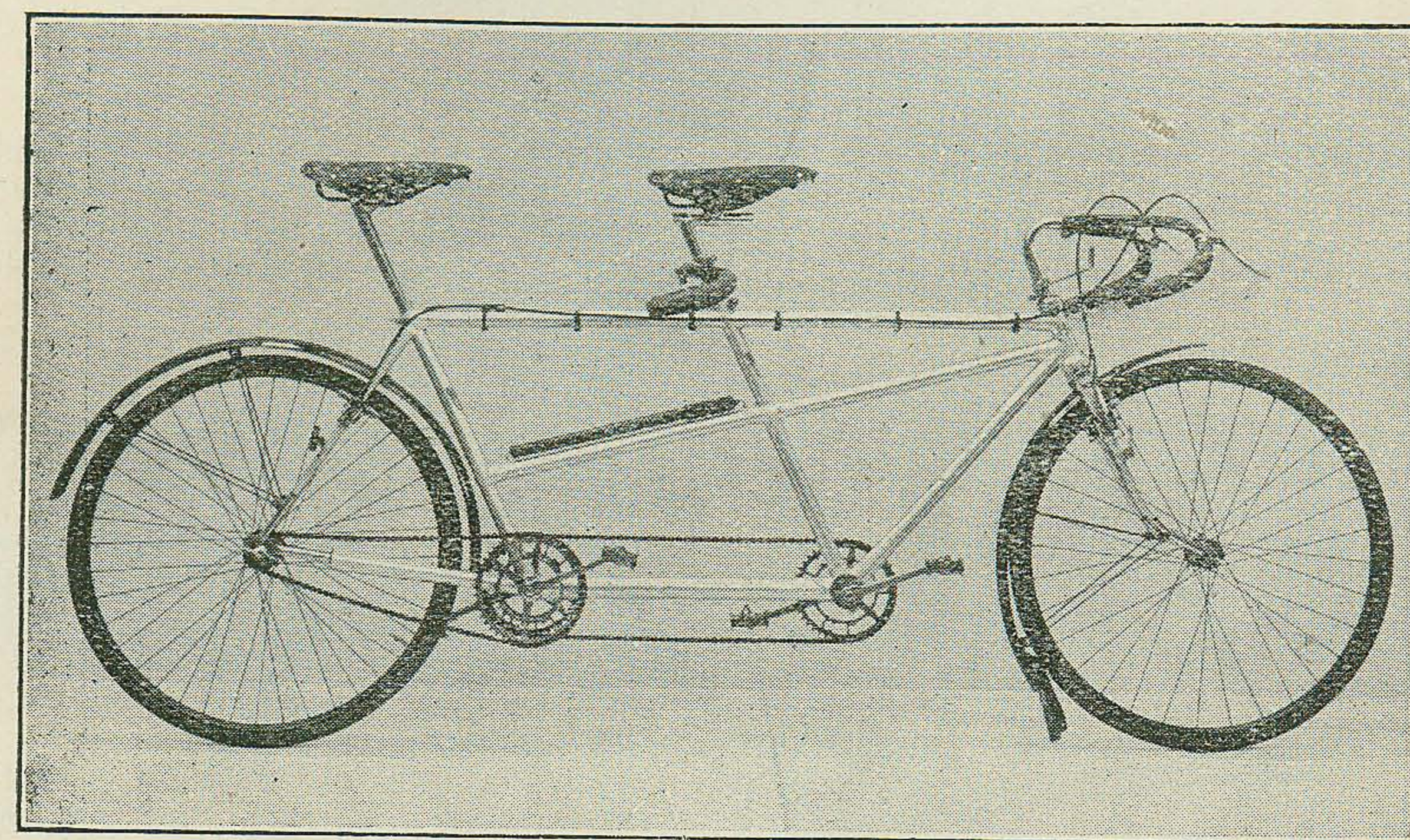
3-SPEED MODEL, TriVelox, Cyclo or Simplex Gear.

Brampton Super Fittings - - - CASH **£16-10-0**

Or 80/- deposit and twelve payments of 25/-

H.M. "SUPALITE SPECIAL" TANDEM

MODEL No. 10.



Weight, from 38 lb.

A proved competition record breaker. Weight scientifically reduced without sacrificing strength or rigidity. Perfectly balanced and easy steering at high speeds. Ultra short wheelbase.

- FRAME** - Size to order. Chater-Lea fittings throughout. Double diamond or central tube design. H.M. or "531" tubing. All lugs superbly cut and lightened. Forward release ends. Wheelbase, 62". Bracket height, 10 $\frac{3}{4}$ ". Brazed-on refinements.
- FORKS** - Carpenter special resilient, or Reynolds S.R. taper. Solid ends. Heavy butted blades and stem.
- WHEELS** - Endrick tandem rims, 26" x 1 $\frac{1}{4}$ " or 1 $\frac{3}{8}$ ". Chater-Lea or Constrictor large flange hubs, 13-15 black butted spokes.
- TYRES** - Dunlop Tandem Sprite, or to order.
- TRANSMISSION** - 1 $\frac{1}{2}$ " chain line, cross-over drive or 1 $\frac{3}{4}$ " direct drive. 6 $\frac{1}{2}$ " cranks. Chater-Lea or duralumin pedals. Elite chains.
- BARS** - Highgate, or to order. H.M. adjustable clip, or brazed-up. Constrictor sponge grips.
- SADDLES** - Brooks B.17 n, or to choice.
- BRAKES** - Two Resilion cantilevers.
- MUDGUARDS** - Bluemel's New Noweight, spring clip fitting.
- FINISH** - Hand-polished and rustproofed, heavily enamelled black or colour. Super quality chromium-plated crown, front and rear fork ends, and usual parts.
- EQUIPMENT** - Bluemel's 15" pump and reflector, white flap. Tecalet oil-gun. Nipples to all bearings.

Chater-Lea Fittings - - - CASH **£19-15-0**

Or £5 deposit and twelve payments of 29/6

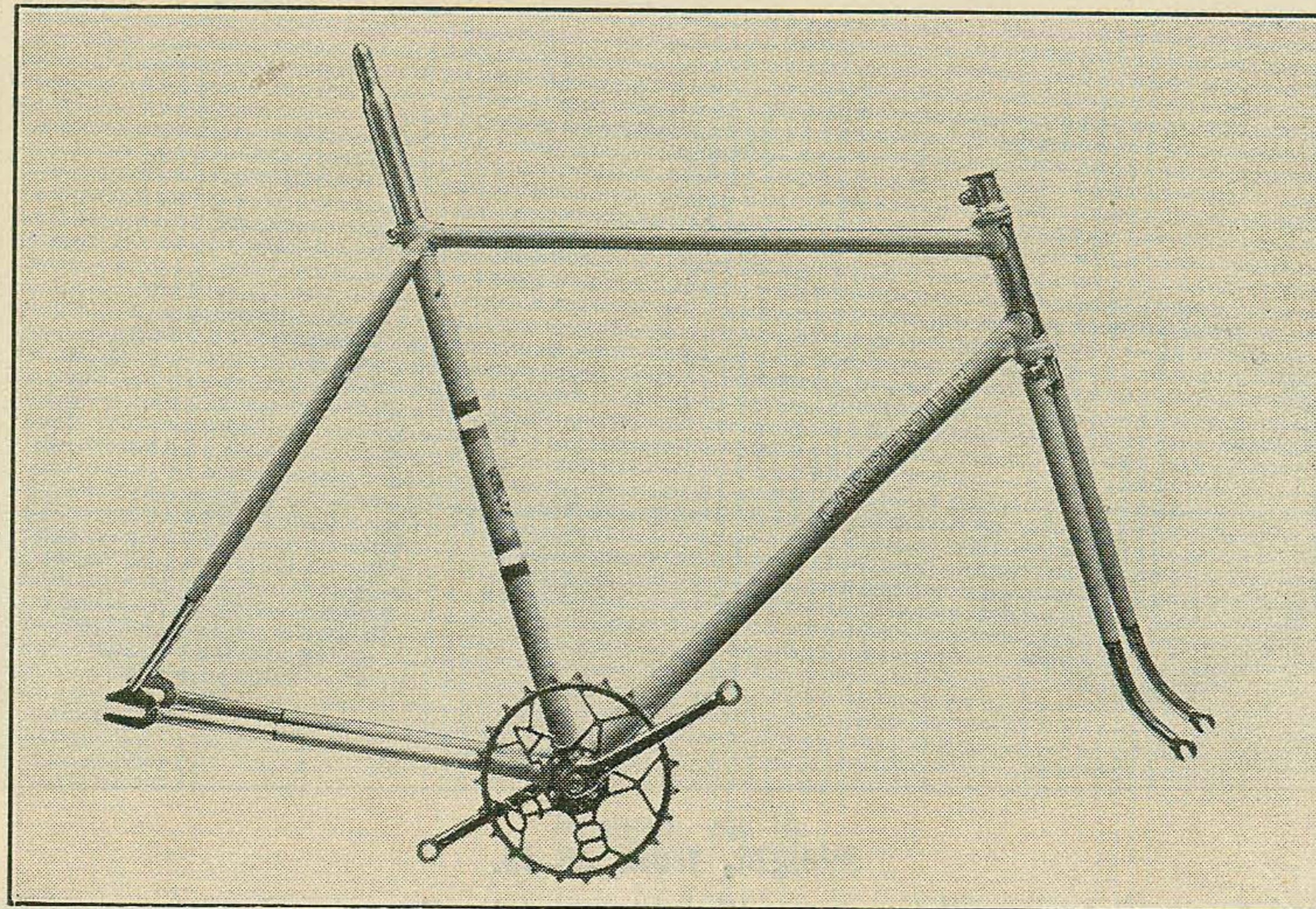
Carpenter Super Fittings, all Chater-Lea Lugs and Interiors, but with Williams Special Tandem Chainwheel and Cranks, Brampton Special Tandem Hubs, and Webb Pedals.

CASH **£17-10-0**

Or £4 deposit and twelve payments of 26/9

CARPENTER SUPER FRAMES

(Not obtainable on Hire Purchase)



Supplied complete with head and bracket fittings, chainwheel and cranks, seat pin, etc. Usual brazed-on refinements. Enamelled to choice. Chromium front and rear fork ends. Frames only receive exactly the same attention as complete Cycles.

Important.—Please give exact width of hubs to be used.

	£	s.	d.
CLUBMAN. Model No. 1	3	7	6
CLUBGIRL. Model No. 2	3	7	6
H.M. SUPER CLUBMAN. Model No. 3	4	5	0
B.S.A. or Chater-Lea	5	7	6
D.P. ROAD RACING. Model No. 4	4	12	6
B.S.A. or Chater-Lea	5	15	0
H.M. PATH RACING. Model No. 5	5	0	0
B.S.A. or Chater-Lea	6	0	0
H.M. "SUPALITE SPECIAL." Model No. 6	5	12	6
DE LUXE TOURING. Model No. 7	3	10	0
B.S.A. or Chater-Lea	4	17	6
"ACE-CONTINENTAL." Model No. 8	5	5	0
(With Special Continental finish.)			

TANDEM FRAMES

	£	s.	d.
ROAD RACE TANDEM ... Cash	9	0	0
Or 30/- deposit and twelve payments of 14/6			
H.M. "SUPALITE SPECIAL." Chater-Lea fittings ... Cash	12	0	0
Or 80/- deposit and twelve payments of 16/-			

Complete with Seat Pins, Chainwheel and Cranks etc.

FRAMES ONLY ARE NOT SUPPLIED TO THE TRADE.

EXTRA FINISHES AND EQUIPMENT

SPECIAL FRAME FINISHES.

Bronze or Amber, Special Finish ...	Cycle, 4/-	Tandem, 7/6
Gold or Silver, Special Finish ...	" 5/-	" 8/6
Flamboyant, on Plating, new process ...	" 7/6	" 12/6
Flamboyant "Super" Finish, new process ...	" 12/6	" 17/6

CHROMIUM PLATING.

(Super quality on Copper.)

Front Fork all over ...	Cycle, 4/-	Tandem, 5/-
Head Tube and Head Lugs ...	" 5/-	" 6/-
Forks, Head Tube and Lugs, Seat and Chain Stays ...	" 15/-	" 17/6
Frame and Forks all over ...	" 30/-	" 45/-

GRANBY TAPER FRAME TUBES.

Where "A" Tubes are specified, 7/6 ... On H.M. or "531" Models, 5/-

SUPALITE ALLOY FITTINGS.

SPECIAL OFFER. On any new Cycle, R.R.56 Alloy Handlebar Bend and Stem, Seat Pin, Lamp Bracket, and set of four Wing Nuts, 14/6. Saves 1½ lb.

Williams "Dureel" c.w. set, 10/-. No extra on B.S.A. or Chater-Lea.

Duralumin Quill Pedals, 10/-. No extra on B.S.A. or Chater-Lea.

Fiamme or Conloy w/o Rims, extra to Endrick, 30/-.

Fiamme or Conloy Sprint Rims, extra to Tabucchi Sprint, 15/-.

(Constrictor first choice Sprint Rims, extra to Tabucchi, 7/-.)

R.R.56, Seatpin only, 3/- Bend, 7/- Stem, 7/- Lamp Bracket, 1/-.

VARIABLE AND DERAILLEUR GEARS.

Cyclo 3-Speed, 26/- TriVelox, 30/- Osgear, 22/6. Conloy ditto, 25/-.

Simplex, 28/- Simplex Super or Professional Model, 30/- Special Octagonal Hub. 15/- extra.

Witmy 2-Speed, 19/6. Villiers, 15/- Cyclo, 22/-.

Sturmev 2-Speed, 16/- With Brake, 22/-.

Sturmev 3-Speed, 20/- With Brake, 26/- Sturmev close or medium ratio, 26/-.

SUNDRIES.

Dunlop High Pressure Wheels and Tyres, extra to Endrick, 5/-.

B.S.A. Head and Bracket Interiors, extra to Brampton or Super, 6/-.

Boa Pedals, where Brampton are specified, 3/6. Webb ditto, 2/6.

Williams "Invisible" Cotter, Chainwheel and Cranks, 4/6 extra.

Lucas Cyclometer, 3/6. Challis Bell, 2/4. Chromium, 2/6. Ever Ready Lamp, 2/6.

Toe-clips and Straps from 1/9. Bag Supports from 1/-.

Buy your Accessories at "Carpenters." Anything sent same day as ordered post free per return.

GEAR TABLE

Chainwheel No. of Teeth.	Cog. No. of Teeth.	Diam. of Wheel.			Chainwheel No. of Teeth.	Cog. No. of Teeth.	Diam. of Wheel.		
		26"	27"	28"			26"	27"	28"
42	12	91.0	94.1	98.0	46	12	99.6	103.5	107.3
	13	84.0	87.4	90.5		13	92.0	95.0	99.0
	14	78.0	81.0	84.0		14	85.4	88.7	92.0
	15	72.8	75.7	78.4		15	79.7	82.1	85.8
	16	68.2	70.8	73.5		16	74.7	77.6	80.5
	17	64.3	66.7	69.2		17	70.3	73.0	75.7
	18	60.6	63.0	65.3		18	66.4	69.0	71.5
	19	57.5	59.6	60.9		19	63.0	65.4	67.8
	20	54.6	56.7	58.8		20	59.8	62.0	64.4
44	12	95.3	99.0	102.2	48	12	104.0	108.0	112.6
	13	88.0	91.3	94.8		13	96.0	99.7	103.4
	14	81.7	84.8	88.0		14	89.1	92.5	96.0
	15	76.2	79.2	82.1		15	83.2	86.4	89.6
	16	71.5	74.2	77.0		16	78.0	81.0	84.0
	17	67.2	69.8	72.4		17	73.4	76.2	79.0
	18	63.5	66.0	68.4		18	69.3	72.0	74.6
	19	60.2	62.5	64.8		19	65.7	68.2	70.7
	20	57.2	59.4	61.6		20	62.4	64.8	67.2