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SUPER LIGHTWEIGHTS OF QUALITY

1952

SUN



# Foreword

THIS IS IMPORTANT — READ IT.

It is very necessary to-day that some information by way of a foreword should be given to those interested in the purchase of a new Bicycle — Firstly you should know the position we have held in the Industry over a long period — We are Lightweight specialists and ever since 1923, when we first introduced into England the modern upright design of Sports and Racing Bicycles as opposed to the then design of Bicycle Frames — We are also producers of Lug Sets and particularly of Tandem Lug Sets which we have supplied in large quantities to Manufacturers all over the World — Furthermore we were responsible for the introduction of the modern Tandem, particularly in the Double Diamond type of Frame, and of the following — The staggered rear Seat Tube, which is important because it gives the rear rider a longer top tube and, therefore, a better riding position — The strutted bracket was another registered design of ours which again is incorporated when a Deraillleur type Gear is used. We also introduced in 1923 the 70° head angle which has now come back to fashion and also the upright design frames of recent years.

If you know all these points then you will appreciate just how far we have been responsible for the popularity of the present modern Lightweight. Furthermore we believe we are the only actual Manufacturers of Bicycles, that is apart from Lightweight builders and assemblers, who build entirely to the customers specification if desired, and a special department is set aside especially for this.

SID PATTERSON. Congratulations to Sid on winning the World Professional Pursuit Championship in Paris this year and also on his magnificent riding in the Sprints on the Continent of Europe.

His Pursuit Race in the World Pursuit Championship in Paris was considered by many as the finest in the history of the World Championships — He also competed in nearly every final in the World Classic events during the season, but he considers his best win, apart from the Championship, was the Grand Prix D'Auteuil in Paris. His road machine, which he rides in training is produced to his own specification and bears his autographed signature transfer on the front down tube and the two models he rides are the Wasp Champion Du Monde track and the Sid Patterson Champion Du Monde road machine.

Apart from our successes on the track we have had a record number of successes in Road Championships throughout the World, having won the Malayan and Singapore Championships and many of our Bicycles were used, or are being used, by members of Olympic Teams of various countries throughout the World, and finally our remarkable success in the Tour of Britain when we won more stages than any other Bicycle and in final classification finished 2nd and 4th.

**Frame Sets.** We produce both our standard Frames and also Frames built to your specification, which can be ordered and supplied through any of our dealers who are also appointed official service dealers to this Company. World Championship Frames as used by Patterson and Tour of Britain Frames can be supplied.

**Tandems.** We are the largest Manufacturers of Tandems and Tandem Fittings in the World. Our designs are registered and these can be supplied almost immediately. Be sure that whatever Tandem you purchase you should insist on being supplied with a "Sun" Patent Coupled Heel Brake, this is for your especial safety.

**New Models.** Many improvements have been made in specification — Soleil D'or now supplied with 27 inch High Pressure Tyres and Wheels, or 26 inch. This now also applies to the Manxman.

Sun Vitesse. This is another New Model and is a remarkable model for price and specification — Please remember SUN CYCLES ARE QUALITY CYCLES.

*J. C. Parkes.*

# WORLD C

SID PAT

Photo by the courtesy of 'Le Miroir-Paris'.



World's Professional Champion (Pursuit)

Holder World Record Flying Kilometer  
Finalist World's Professional Champion  
World's Amateur Champion (Pursuit)  
World's Amateur Champion (Sprint)  
Finalist Grand Prix, Paris ...  
Finalist Grand Prix, Copenhagen ...  
Finalist Grand Prix, Milan ...  
Winner Grand Prix, Auteuil, Paris

# CHAMPION

PERSON



## Sid Patterson

This model has been designed by Patterson and built to his specification—also used for Road training—autographed on front down tube.

**Frame:** Sizes 22", 23", 24". Built with Reynolds 531 tubing and special cutaway lugs, stays and forks 531. 73°×71° or 72!×71°.

**Forks:** Oval with "Sun" Cloverleaf cutaway crown, thin taper Reynolds 531 blades, with forged steel forkends, expander head fitting.

**Tyres and Wheels:** Dunlop 27" high pressure with B.H. special Patterson hubs. Spokes 15×17.

**C/Wheel:** 46T. flanged 3-pin detachable chainring, Williams.

**Pedals:** Solid centre sports or quill.

**Saddle:** This is a special saddle as used by Patterson, and supplied by Mansfield.

**Mudguards:** Celluloid or alloy.

**Brakes:** G.B. alloy hooded levers or "Sun."

**Handlebars:** Maes, alloy on "Sun" Wasp 2½" or 3" extension.

**Gear:** Fixed sprocket and freewheel supplied.

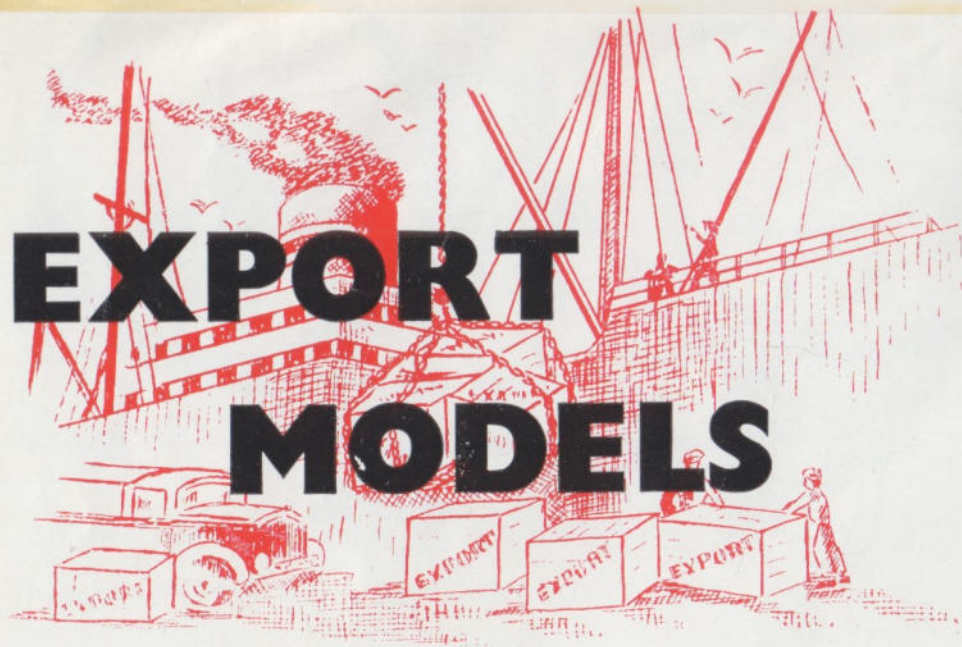
**Pump:** 18" alloy.

This model is supplied in Patterson racing colours: Translucent Green and Cream, 3 panel seat tube, or Blue with multi-panelled seat tube, and Champion Du Monde colours.

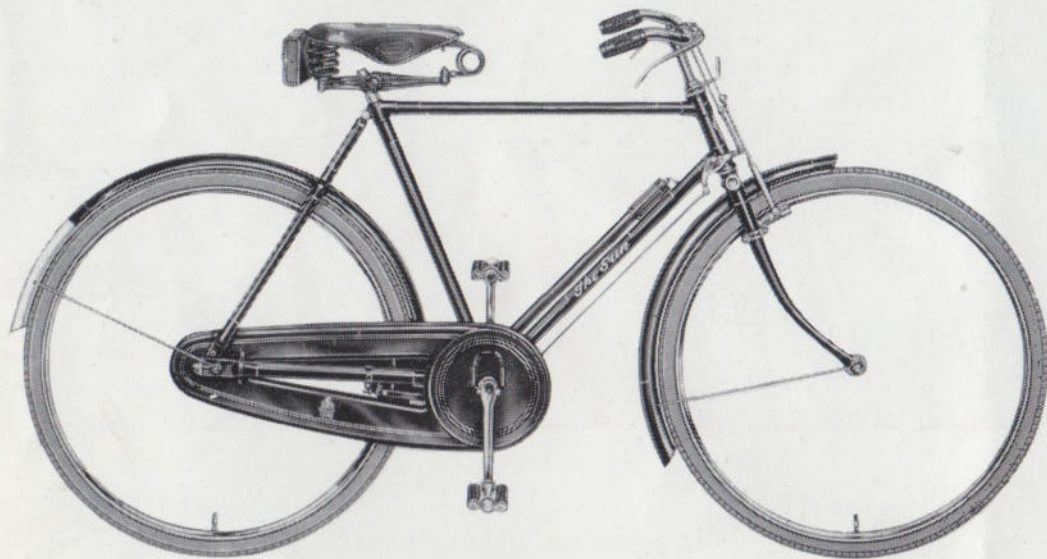


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# EXPORT MODELS



## *E. A. Model*



Any Model illustrated, whether made specially for the Home Market or Export can be supplied to any country in the World. We particularly wish to draw attention of overseas buyers to the fact that we were the pioneers of the modern Lightweight and Sports Cycles in Great Britain, we wish it to be known therefore, that we do not produce the cheapest Bicycle but only the best—specially designed Bicycles are made for certain countries—East African Model—Double Top Tube Model etc.—Track Racing Models or Frames only are supplied with special finish to Clients specification—Carrier Cycles and Juvenile Cycles are also available.

### SPECIFICATION:

**Frame:** 22" or 24", built with "Sun" lugs and best quality tubing.

**Forks:** Built with Tubular crown with chromium plated depressed thimble ends.

**Wheels:** 28" x 1 1/2" or 1 3/8", Dunlop Westwood, chromium plated heavy spokes.

**Tyres:** Dunlop roadster 28" x 1 1/2" or 1 3/8".

**Hubs:** Best Cast and machined hubs.

**C/Wheel:** 48T 7" cranks.

**Pedals:** Brampton rubber.

**Handlebars:** Upturned tourist or North Road Raised to choice, with yoke and hinge brakes.

**Saddle:** Extra large size, loop front, coil back—best quality leather.

Special long spindle fitted to take rear Carrier, oilbath gearcase.

Accessories supplied if required: Pump, tools, oilcan, and toolbag.

**Finish:** Frame rust-proofed, enamelled 3 coats of black with Red and Gold close lining or to choice—All bright parts fully chromium plated.

### EXPORT

We can pack the specification, that is, 8 but with the front wheel packing; alternatively assembled cycles with cases. Nett and gross weights are given below.

No. 1 Packing specification in 1

Nett Weight.	Gr Weight.
3. 1. 12.	4. 1.

No. 2 Packing specification cycles, wheels

Nett Weight.	Gr Weight.
4. 1. 24.	5. 2.
4. 0. 16.	5. 0.

EAST AFRICAN MODEL

No. 3 Packing specification cycles, wheels

Nett Weight.	Gr Weight.
5. 1. 5.	6. 1.
3. 1. 8.	4. 0.
0. 3. 11.	1. 0.

\* Ministry of Supply Nickel Prohibited

In view of the world reserve the right to alter finish without notice.

Cables "Car"

## PACKING

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we can pack 25 un-  
heels not built up in 2  
weights and measure-

on, 8 assembled cycles  
case:

ss  
ght. Dimensions.  
23. 4/10 × 3/10 × 2/11

ation, 25 unassembled  
nbuilt in 2 cases:

ss  
ght. Dimensions.  
18. 3/7 × 2/7 × 4/0  
16. 2/6 × 2/6 × 3/4

EL—  
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nbuilt in 3 cases:

ss  
ght. Dimensions.  
1. 3/4½ × 2/8 × 3/2  
24 2/7 × 2/7 × 3/1  
27. 2/9 × 1/11 × 1/5

Used Order 1951.

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## SPECIFICATION:

This model is produced for heavy duty for the British or Overseas market. Frame Tubes are of course, heavier gauge than used in other models, and can be produced with 26" or 28" wheels. Lady's model can be supplied in straight tube or loop, as desired.

**Frame:** Sizes 22", 24". Built with "Sun" steel lugs and best straight gauge tubing for heavy duty.

**Forks:** Butted steering column of extra heavy gauge and D section blades.

**Wheels:** B.W. roadster hubs, chromium plated and Dunlop roadster 26" × 1⅜" or 26" × 1½" or 28" on Westwood type rims.

**Pedals:** Brampton rubber.

**Saddle:** Leather 3-coil or spring seat.

**Handlebars:** North Road raised, roller brake levers.

**Chainwheel:** Williams 46T.

**Mudguards:** Optional steel with chromium plated tip or deep D section.

**Accessories:** Tool bag, pump and tools.

**Finish:** Black enamel, Gold lines, all bright parts chromium plated.

**Extra:** Oil bath and 3-speed and colour.

Can also be supplied with 28" × 1½" wheels and upturned or North Road raised bars as required.

## Tourist Roadster

### SPECIFICATION:

This model is produced for heavy duty for the British or Overseas market. Frame Tubes are of course, heavier gauge than used in other models, and can be produced with 26" or 28" Wheels. Lady's model can be supplied in straight tube or loop, as desired.

**Frame:** Sizes 22", 24". Built with "Sun" steel lugs and best straight gauge tubing for heavy duty.

**Forks:** Butted steering column of extra heavy gauge and D section Blades.

**Wheels:** B.W. Roadster hubs, chromium plated and Dunlop Roadster 26" × 1⅜" or 26" × 1½" or 28" on Westwood type rims.

**Pedals:** Brampton Rubber.

**Saddle:** Leather 3-coil or spring seat.

**Handlebars:** North Road raised, roller brake levers.

**Chainwheel:** Williams 46T.

**Mudguards:** Sun pattern.

**Accessories:** Tool bag, pump and tools.

**Finish:** Black enamel, gold lines, all bright parts chromium plated.

**Extra:** Oil bath and 3-speed and colour.

Can also be supplied with 26" × 1½" or 1⅜" wheels and upturned or North Road raised bars as required



# -LIGHTWEIGHT-

# SUN

*Sun Wasp*

## EXCLUSIVE



MODEL No. 3

**As used by "Sun" Team in the Tour of Britain.**

**Frame:** Sizes 21", 22", 23", 24". Head angles to choice 73° x 71°, 72° x 71°, 72° x 72°, built with Reynolds 531 butted tubes and stays, open cable stops—gear bosses etc., fitted if desired, Simplex forkends fitted if required.

**Forks:** Oval, Reynolds 531, with central forged steel forkends, detachable chrome plated lamp bracket.

**Wheels:** Dunlop 27" high pressure tyres and rims with 15 x 17 butted spokes.

**Hubs:** Large flange, alloy.

**C/Wheel:** Triangle pattern 46T. with 3-pin detachable chain ring, fluted cranks.

**Brakes:** G.B. Coureur alloy hooded levers, with screw adjusters for cables.

**Handlebars:** To choice, South of France—Maes etc., 1 1/8" alloy on G.B. alloy extension or steel to choice.

**Mudguards:** Celluloid or Bluemels or Alloy Continental.

**Saddle:** Brooks B.17 Champion.

**Gear and Cogs:** Freewheel and fixed sprocket, or twin chain-wheel and Benelux 5-sprocket freewheel as extra.

**Pump:** 18" alloy.

**Touring Bag:** Not supplied.

**Colour:** Translucent Royal Blue and Cream Panels (Tour of Britain colours) or Cambridge Blue and Royal Blue Panels.

This model built for Road or Track to customers specification—

# JUN—SPECIALISTS—

## DESIGNS

### *Manxman*

**New Frame Design — New Forks — Strutted Bracket.**

Special feature of this model is the "Sun" registered design Strutted Bracket, essential when Deraileur Gears are fitted—no whip, no chain coming off.

**Frame:** Built with Reynolds 531 tubing—also forks—stays,  $\frac{1}{2}$ " pencil. Angles  $73^{\circ} \times 71^{\circ}$ .

**Forks:** Oval, Reynolds 531 thin taper,  $2\frac{1}{4}$ " rake central steel forkends.

**Wheels:** 27" or 26" for touring optional high pressure, B.W. lightweight hubs, D/S for 4-speed rear.

**C/Wheel:** Williams 3-pin detachable chain ring, 46 T. flanged.

**Pedals:** Solid centre steel or alloy centre.

**Saddle:** Brooks B.15.

**Mudguards:** Celluloid or alloy to choice.

**Handlebars:** Maes alloy on "Sun" Wasp  $2\frac{1}{2}$ " or 3" extension.

**Brakes:** G.B. alloy, hooded levers.

**Gear:** 4-speed Benelux as standard fitment.

**Pump:** 18" Alloy.

**Touring Bag:** Not supplied.

**Colour:** Flam Red or Blue with decorative transfers and lining.



MODEL No. 4



# Soleil d'Or

**Frame:** Sizes 21", 22", 23", 24". Built with "Sun" Cloverleaf cutaway lugs and Reynolds 531 tubing,  $\frac{1}{2}$ " pencil seat stays, angles  $72^{\circ} \times 72^{\circ}$ .

**Forks:** Jay taper Continental 'D' section with forged steel forkends and detachable lamp bracket.

**Wheels:** Built with B.W. lightweight or B. hubs. Endrick 26" or 27", Dunlop high pressure rims and tyres

**C/Wheel:** Williams flanged 46T 3-pin detachable chainring

**Pedals:** Brampton sports, steel Gent's, rubber Ladies

**Saddle:** Special Sid Patterson—Mansfield sports, as used by Sid Patterson

**Brakes:** Optional G B with hooded levers, alloy, or alloy cantilever Resilion

**Handlebars:** Maes alloy or steel on "Sun" Wasp extension, Ladies, Parkes narrow grip

**Mudguards:** Celluloid or alloy

**Pump:** 15" Britains celluloid

**Touring Bag:** Supplied

**Finish:** Flame with decorative transfers or Flam Blue.

**Extras:** Optional—Benelux gears, S A gears, hub dynamo



GENT'S MODEL No. 5



LADY'S MODEL No. 5A

# Sun Mist



GENT'S MODEL No. 7



LADY'S MODEL No. 7A

## New Frame Design.

**Frame:** Sizes 21", 22", 23", 24" Built with Reynolds 531 tubing, 'Sun' cloverleaf cutaway lugs,  $\frac{1}{2}$ " pencil seat stays Angles  $72^\circ \times 72^\circ$ , entirely new design frame.

**Forks:** Jay taper, Continental No. 2 rake, 'D' section, forged steel forkends.

**Wheels:** Dunlop Endrick rims fitted with Dunlop Sports tyre (both open sides)  $26" \times 1\frac{1}{4}"$ .

**C/Wheel:** Williams 46 tooth.

**Pedals:** Brampton Sports, steel—Ladies rubber.

**Saddle:** Leather or spring seat, optional.

**Brakes:** Monitor steel with stabilizers, silver cables

**Mudguards:** Celluloid or steel or alloy.

**Handlebars:** Maes alloy or steel on "Sun" extension, Ladies "Parkes" narrow grip.

**Pump:** 15" celluloid.

**Touring Bag:** Supplied.

**Colour:** Translucent Red or Dark Magenta.

**Extras:** Optional—Benelux gears, S.A. hub gears, dynamo hub.

# Vitesse



GENT'S MODEL No. 6



LADY'S MODEL No. 6A]

## New Model.

**Frame:** Sizes 21", 22", 23", 24"—Built with "Sun" lugs and special cutaway. Head angles 72°, seat 70°.  $\frac{1}{2}$ " pencil seat stays.

**Forks:** Thin Continental taper, Jay taper, detachable lamp bracket, steel fork ends.

**Wheels:** Dunlop 26"  $\times 1\frac{1}{4}$ " or  $\frac{3}{8}$ ", Endrick rims, B.W. narrow barrel hubs, Dunlop Sports tyre.

**Saddle:** Mansfield leather sports, as used by Sid Patterson.

**Pedals:** Brampton sports, steel.

**Brakes:** Monitor Sheerline with stabilizers, with silver cables.

**Handlebars:** Parkes narrow grip or Maes alloy on "Sun"  $1\frac{1}{2}$ " extension

**Mudguards:** Celluloid cream

**Gear:** 46T chainwheel, 18T. freewheel.

**Pump:** 15" celluloid.

**Touring Bag:** Supplied.

**Colour:** Poly Moss Green.

**Extras:** Cyclo gears, S.A. gears, dynamo lighting.

# Vitesse



GENT'S MODEL No. 10

**Frame:** Sizes 21", 22", 23", 24". Built with "Sun" Cloverleaf lugs. Angles 72° head, 70° seat,  $\frac{1}{2}$ " pencil seat stays.

**Forks:** 'D' section, Jay taper with forged steel brazed-in forkends, detachable lamp bracket.

**Wheels:** Dunlop 26" Endrick, B.W. lightweight hubs, Dunlop Sports tyres, 26"  $\times 1\frac{3}{8}$ ".

**C/Wheel:** 46 tooth G.C.C.

**Pedals:** Brampton rubber.

**Handlebars:** N.R. raised or comfort, flat etc., on  $1\frac{1}{2}$ " 'Sun' extension.

# The Rolls Royce

# City Model

**Frame:** Sizes 22", 23", 24". Built with "Sun" Cloverleaf cutaway lugs, best quality tubing,  $\frac{1}{2}$ " pencil seat stays, head angles  $70^\circ \times 70^\circ$ .

**Forks:** 'D' section Continental Jay taper, forged steel fork-ends, detachable lamp bracket.

**Wheels:** Dunlop Endrick rims  $26" \times 1\frac{3}{8}"$ , fitted with B.W. lightweight hubs and new pattern Dunlop speed tyres.

**Brakes:** Monitor steel caliper with stabilizers, or roller levers and Westwood rims.

**Pedals:** Brampton rubber.

**Saddle:** Brooks B.66.

**Gearcase:** Oilbath (Nottingham).

**Mudguards:** Steel with centre rib, chrome tip.

**Gears:** Sturmey Archer 3-speed A.W. trigger control.

**Handlebars:** North Road raised or comfort flat.

**Touring Bag:** Supplied, tools, pump, etc.

**Finish:** Black with Gold lines or Green with Gold lines as extra.

**Extras:** Colours enamel, dynamo front hub.



GENT'S MODEL No. 8



LADY'S MODEL No. 8A

# Tourist

**Saddle:** Spring seat or leather 3-coil.

**Mudguards:** Celluloid or steel to choice.

**Brakes:** Monitor Sheerline with stabilizers.

**Pump:** 15" celluloid.

**Touring Bag:** Supplied with tools.

**Colour:** Black with Gold lining.

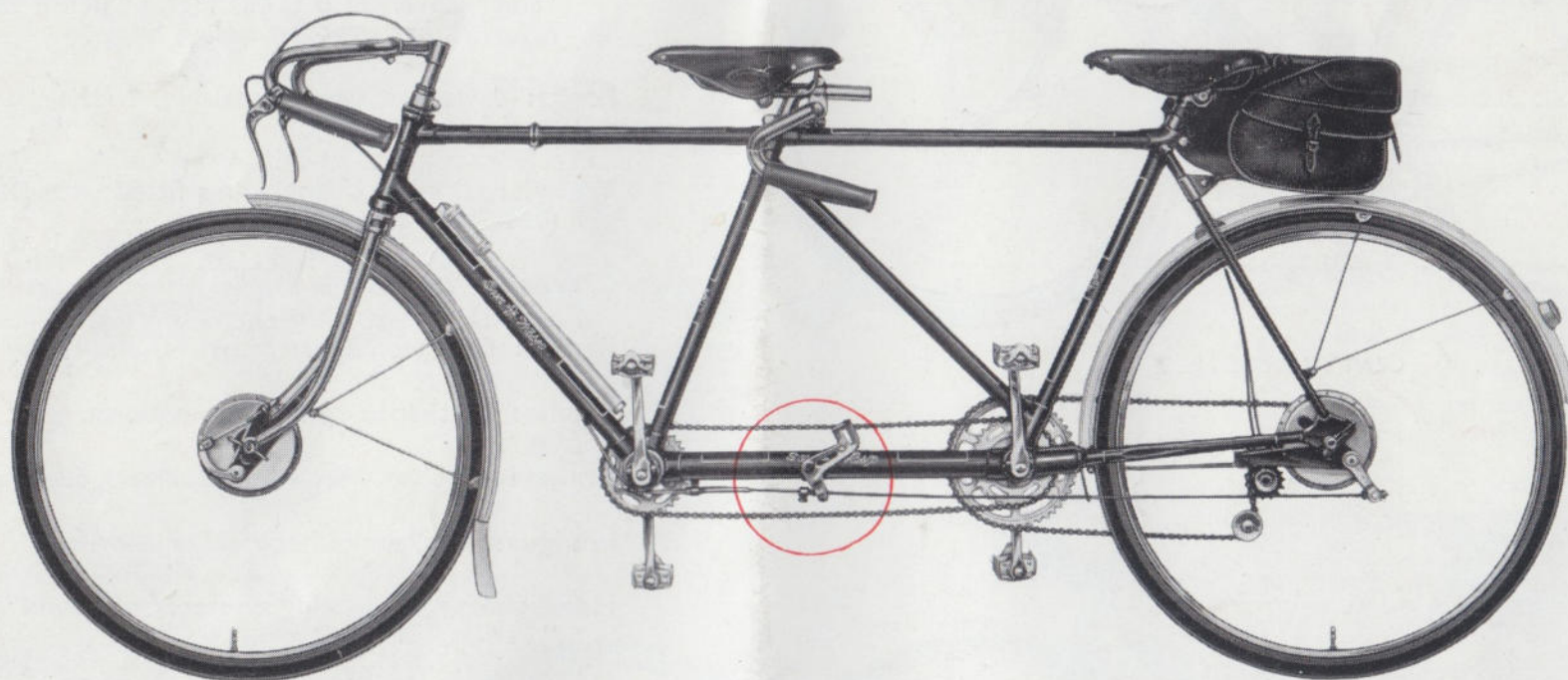
**Extras:** S.A. gears, dynamo lighting etc., coloured enamel.



LADY'S MODEL No. 10A

# of Lightweight

# Tandem



SUN WASP TANDEM

D/Gents or L/Back.

We manufacture Tandems as we do Bicycles and we are not merely assemblers—as the largest producers and designers of these, we are able to offer special features which are either “Sun” Patents or registered designs—such as Rear Forkends with special chain adjusters—“Sun” Patent Coupled Heel Brake for your special safety. This can be worked independently or in conjunction with your hand operated expanding

brakes—Special Tandem headclip with screw on ball race. Frame design with staggered rear seat tube giving a much more comfortable ride for rear rider, all these features and many more are to be had on the “Sun” Wasp Tandem, and above all it is complete with the best Touring Bag and Rest, and 4-speed Gear.

## SPECIFICATION

D/Gents or Lady Back.

**Frame:** Built with only “Sun” Lugs—head fittings, Brackets, etc., Reynolds 531 tandem tubing and stays—Staggered seat tube giving rear rider  $1\frac{1}{2}$  longer top tube than normal practice. Sizes  $22 \times 22$  or  $21\frac{1}{2} \times 21$ , Head  $70^\circ \times 70^\circ$  front seat.

**Forks:** ‘D’ section tandem special “Sun” design.

**Wheels:** Built with Endrick rims  $26 \times 1\frac{3}{8}$ —12 gauge spokes—B.H. internal expanding with “Sun” patent heel brake, or optional resilion.

**Tyres:** Dunlop tandem or speed  $26 \times 1\frac{3}{8}$  open sided.

**Saddles:** B.17 front and rear, ladyback B.66.

**Handlebars:** Parkes tandem front and Parkes narrow grip rear-drop only 4”.

**Pedals:** Solid centre steel or rubber.

**Mudguards:** Celluloid.

**Gear:** 4-speed Cyclo.

**Touring Bag:** J. B. Brooks and rest.

**THE SUN CYCLE & FITTINGS CO. LTD.,**  
Aston Brook Street, BIRMINGHAM 6.

Telephone: ASTON CROSS 3251/2/3.

Telegrams: CARBON, BIRMINGHAM.