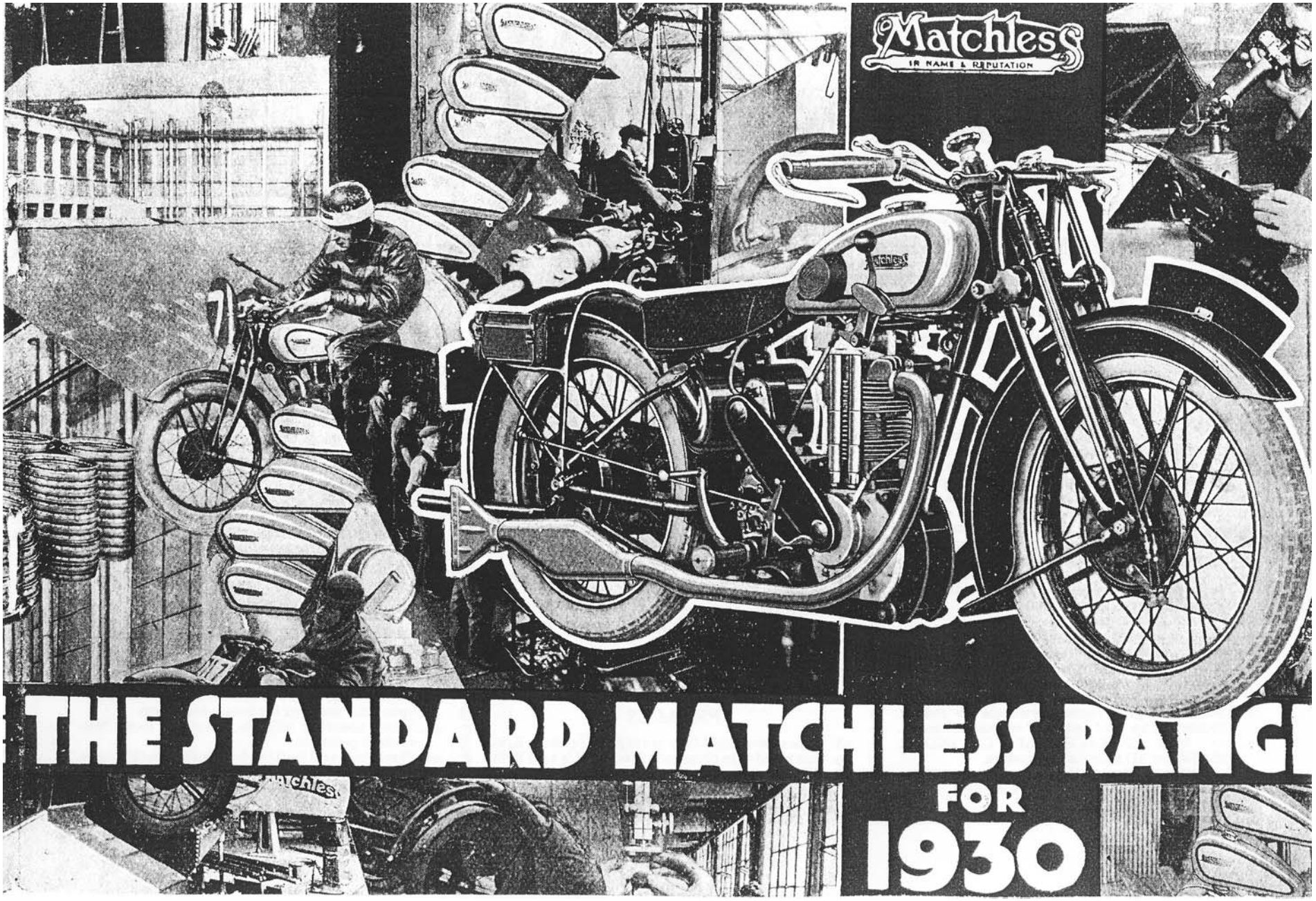



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

# Matchless

IN NAME & REPUTATION

The 1930 "Matchless" Motor Cycles which are described in the following pages are the product of over 30 years' continuous experience in the design and manufacture of high-grade motor cycles. Incorporated in their design are no fewer than 75 new features, detailed below, which make them the most advanced motor cycles ever offered to the public.

## *SEVENTY-FIVE NEW FEATURES*

### *ENGINES*

1. DRY SUMP LUBRICATION, giving constant circulation of cool oil throughout engine.
2. Internal worm driven oscillating rotary oil pump with scavenging pump accurately graded for correct working at all engine speeds.
3. Special design of internal oil passages so that only two external oil pipes are required.
4. Oil pressure fed to three points on cylinder.
5. Oil pressure fed to camshaft bush.
6. Oil pressure fed to off-side mainshaft bush.
7. Proportional forced oil feed to big end bearing.
8. Timing gears running in oil bath.
9. Wider camshaft gears.
10. Larger camshaft bearings.
11. Larger crankshaft bearings.
12. Stiffer and stronger crankcase.
13. Parallel fitting shouldered crankpin to ensure rigidity of flywheel assembly.
14. Special design webbed flywheels to reduce flywheel whip and increase engine liveliness.
15. Car type DETACHABLE CYLINDER HEADS on all side valve models.
16. Scientifically designed stream line flow combustion space on all side valve models.
17. VALVES AND TAPPETS ENCLOSED IN OIL TIGHT CASES on all side valve models.
18. Redesigned cylinder head giving improved cooling on all O.H.V. models.
19. Deeper cooling fins on all cylinders and cylinder heads.
20. Improved method of fixing cylinder heads on O.H.V. models.
21. Improved port shapes to increase gas flow.
22. Stiffer rocking lever housing to prevent lost motion in valve gear on O.H.V. models.
23. Improved method of mounting overhead rocker box on O.H.V. models.
24. Improved cam designs giving more silent valve operation, with greater engine power.
25. Strengthened cylinders.
26. Improved exhaust pipe design.
27. Adjustable throttle stop on carburetter to set slow running position.

### *FRAMES*

28. Redesigned head lugs (except R/4 and R/6).
29. Increased tyre clearance (except R/4 and R/6).
30. Wider rear frame to increase lateral stiffness (except Models R/4 and R/6).
31. DUPLEX TRUSSED LOOP FRAME on Models V/3, V/6, X/2 and X/R2.
32. Improved gear change quadrant bracket.

### *TANKS*

33. Wider petrol tank.
34. New design quick-action leak-proof filler caps.
35. Larger oil tank.
36. Redesigned connections between petrol tank halves to facilitate rapid filling at petrol pump.

### *SPRING FORKS*

(*Except Models* R/4 *and* R/6).

37. New design, with rigid brazed girder assembly.
38. Longer spindle bearings.
39. Wider link abutments.
40. Larger and more effective shock absorbers.
41. Improved pressure device for shock absorbers.
42. Spherical seatings for shock absorbers.
43. Shock absorber adjusting knob in more convenient position.
44. Fixed top and bottom fork spring anchorages.
45. Larger and more effective steering damper.
46. New design fixed plate for steering damper.



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

47. Altered steering head angle to give improved steering at high speed.
48. British standard detachable lamp brackets.
49. Non-adjustable steering stops to prevent fork girders damaging tank.

## *HANDLEBARS*

50. New design handlebar clip.
51. Redesigned handlebars giving greater riding comfort and improved appearance.
52. Greater clearance between handlebars and petrol tank.

## *WHEELS*

53. Heavy gauge butted spokes on rear wheels.
54. Heavy gauge butted spokes on brake drum side of front wheel.
55. Provision for fitting 27″ × 4″ tyres if desired (except Models R/4 and R/6).

## *BRAKES*

56. INTERCONNECTED SAFETY BRAKES so designed that brake pedal applies brakes on both wheels.
57. Auxiliary hand control for front brake.
58. 8″ diameter brakes on Models T/5 and T/S2.

## *SADDLE*

59. Greatly increased clearance between saddle top and frame, to prevent bottoming.

## *MUDGUARDS*

(*Except Models* R/4 *and* R/6).

60. Larger diameter mudguards to give greater tyre clearance.
61. Wider mudguards of improved section.

## *CARRIER*

62. Hand hold stay fitted as standard on all models, with detachable luggage carrier available at small extra charge.

## *EXHAUST SYSTEM*

63. Silencers detachable from exhaust pipes.
64. Fishtails detachable from silencers (not R/4).
65. Detachable baffles in silencers (not R/4).
66. Improved silencing effect, giving pleasant and quiet exhaust note.

## *INSTRUMENT PANEL*

(*Except Models* R/4 *and* R/6).

67. HANDSOME INSTRUMENT PANEL, fitted above handlebars on fully equipped models, with central steering damper knob.
68. Indirect illumination for instruments on instrument panel, controlled by a button switch.

## *ELECTRIC LIGHTING*

69. Latest type Lucas Magdyno Electric lighting, with cables arranged in braided loom, and ammeter and switch carried on instrument panel, (except Models R/4 and R/6).
70. Dipping head lamp, with handlebar switch.

## *SPEEDOMETER*

71. Speedometer driven from gearbox.
72. With electrically equipped models, speedometer carried on instrument panel, with indirect illumination for night riding (except Models R/4 and R/6).

## *FINISH*

73. UNTARNISHABLE CHROMIUM PLATED PETROL TANK, with black and white side panels (black and white tank optional).
74. CHROMIUM PLATED exhaust pipes, silencers, handlebars, handlebar fittings, etc.
75. All parts not enamelled or chromium plated finished in black rustless gun finish.

Particulars of Hire Purchase Terms available to residents in Great Britain and Northern Ireland may be obtained in reply to a postcard addressed to Matchless Hire Purchase Sales Ltd., 44, Plumstead Road, London, S.E.18.

All prices and specifications are subject to alteration without notice, and all motor cycles and/or sidecars, together with equipment, are sold subject to the limited guarantee printed on page 23 of the catalogue.

*MATCHLESS MOTOR CYCLES (COLLIERS) LTD.*

*Plumstead Road, Plumstead, London, S.E. 18.*

*Telegrams and Cables:* "MATCHLESS WOOLWICH." *Codes:* A.B.C, 5th and 6th EDITIONS, & BENTLEYS.

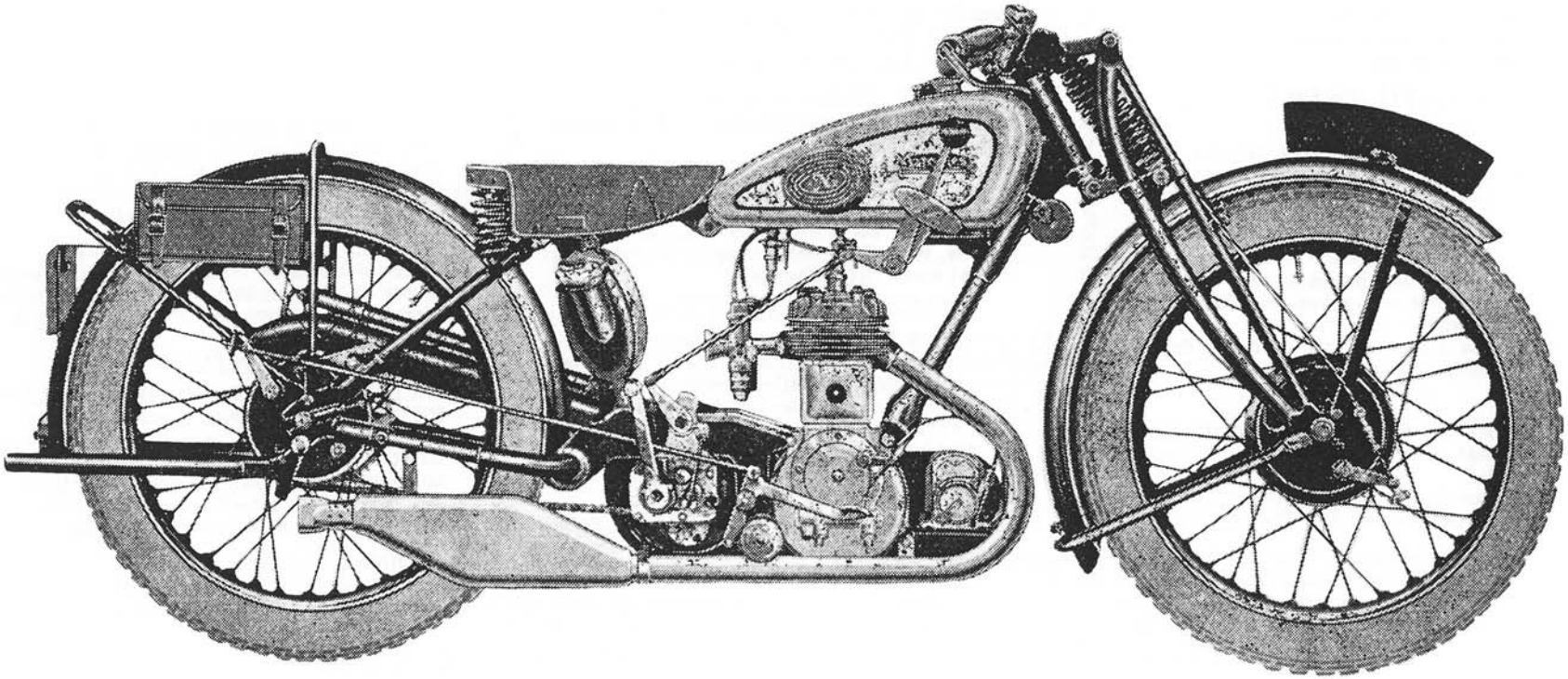
*ALL PREVIOUS LISTS CANCELLED.*

*Second Edition*, NOVEMBER, 1929.



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

Matchless
IN NAME & REPUTATION



*Model* "R/4" 2.46 H.P. £37/10/0



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

# Matchless

IN NAME & REPUTATION

Here is a lightweight machine with ample power for solo or pillion riding, already possessing a world-wide reputation which will be further enhanced by the new features incorporated in the 1930 model, which include DRY SUMP LUBRICATION, DETACHABLE CYLINDER HEAD, ENCLOSED VALVES, INTERCONNECTED BRAKES, CHROMIUM PLATING, and a host of detail refinements.

## *SPECIFICATION.*

**ENGINE.**—Entirely redesigned "MATCHLESS" 2.46 h.p. high-efficiency fourstroke, with CAR TYPE DETACHABLE CYLINDER HEAD and ENCLOSED SIDE VALVES. Bore 62.5 m.m. Stroke 80 m.m. Capacity 246 c.c. Maximum power over 8 B.H.P.
**LUBRICATION.**—"MATCHLESS" DRY-SUMP system, with force feed to cylinder walls, big end, mainshaft and camshaft bearings. Cycle parts lubricated by grease gun.
**GEARBOX.**—Sturmey-Archer 3-speed.
**CLUTCH.**—Latest type dry plate, hand control.
**TRANSMISSION.**—By chain throughout; front chain automatically lubricated.
**CARBURETTER.**—Two lever semi-automatic with pilot jet and throttle stop to control slow running.
**SILENCER.**—Improved design, detachable, with detachable fishtail.
**STANDS.**—"MATCHLESS" patent spring-up stand to rear wheel. Strong stand to front wheel.
**TANKS.**—Pressed steel all-welded petrol tank fitted with leakproof quickly detachable filler cap, and three-point suspended on rubber buffers. Capacity 2 gallons. Separate oil tank under saddle, capacity 4 pints.
**FRAME.**—Special "MATCHLESS" design, giving low saddle position.
**SPRING FORKS.**—"MATCHLESS" progressive action forks, with frictional shock absorbers instantly adjustable while riding.
**BRAKES.**—Large internal expanding brakes on both wheels, operated through special interconnecting gear by one brake pedal on offside of machine. The proportion of braking effort applied to front and rear wheels respectively can be adjusted as desired, while a hand lever operating front brake only is provided for emergency use. Finger adjustment.
**HANDLEBARS.**—Sports or semi-sports types at option.
**SADDLE.**—Lycett Aero spring seat.
**WHEELS.**—Heavy gauge spokes on steel hubs, with Timken roller bearings.
**TYRES.**—Dunlop Cord, 25in. × 3in.
**LIFTING HANDLE.**—A convenient hand hold stay is provided for lifting the machine on to the stand.
**LUGGAGE CARRIER.**—A detachable luggage carrier can be supplied if desired at an extra charge of 15/-.
**MUDGUARDS.**—Large domed mudguards, front and rear.
**FOOTRESTS.**—Covered with shock absorbing rubber.
**FINISH.**—Petrol tank finished in UNTARNISHABLE CHROMIUM PLATING, with white side panels with black lines and gold transfer. Exhaust pipes, handlebars, and other fittings CHROMIUM PLATED. Frame, mudguards, etc., stove-enamelled black. All small parts not enamelled or chromium plated are rustless-black gun finish. (Black and white enamelled petrol tank at option in place of chromium plated tank).
**EQUIPMENT.**—Supplied complete with full kit of tools, tyre pump, grease gun, and instruction book.
**PETROL CONSUMPTION.**—Approximately 125 m.p.g.
**SPEED.**—Over 50 m.p.h.
**WEIGHT.**—Under 224 lbs. for taxation purposes.

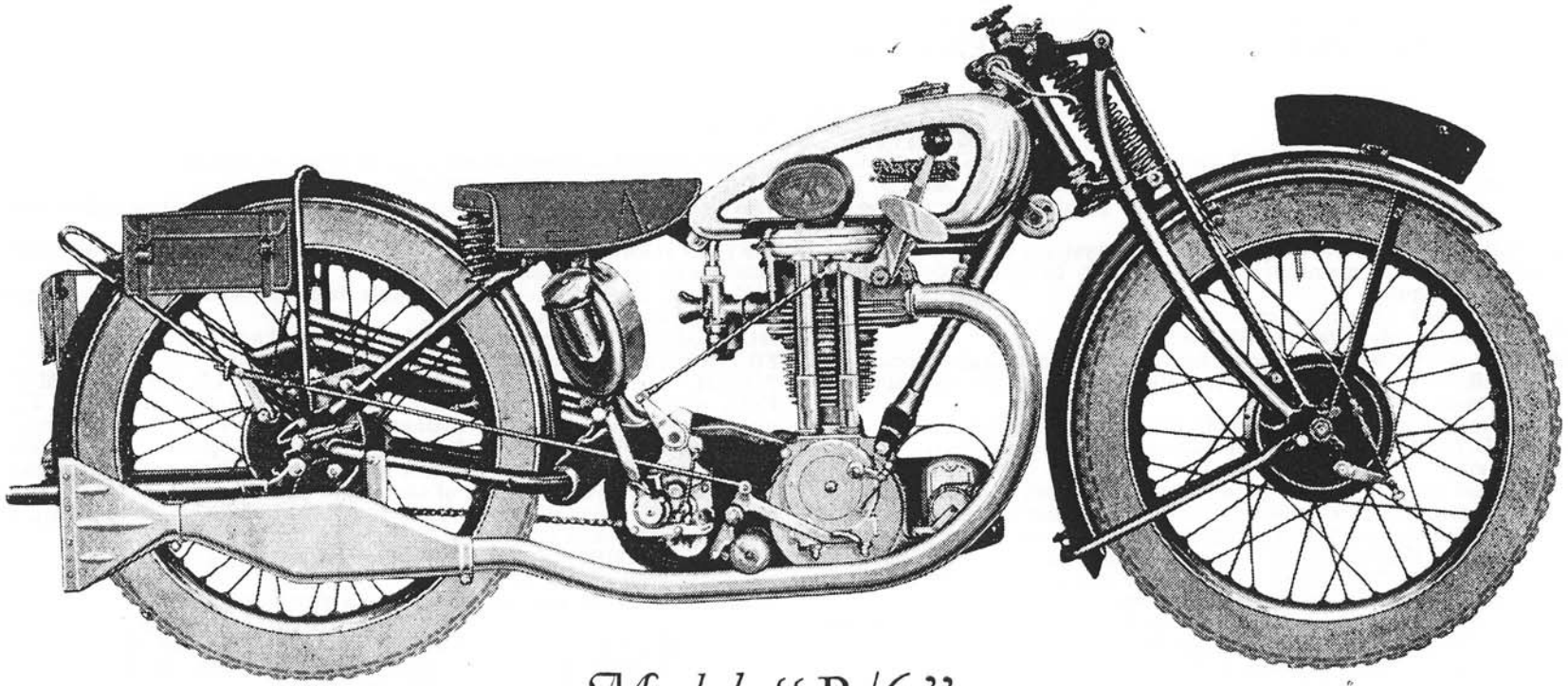
| | Price. | Code Word. |
|---|---|---|
| Model "R/4" to standard specification ... | £37 10 0 | YOZOK |
| With acetylene head and tail lamps and bulb horn | £39 9 0 | YOZUL |
| With Lucas 6-volt Magdyno Electric lighting set, electric horn, and gear-box drive speedometer | £45 11 6 | YUAHS |

Delivery free to any part of the United Kingdom or Northern Ireland. Sold subject to Guarantee on Page 23.



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

Matchless
IN NAME & REPUTATION



*Model* "R/6"

2.46 H.P. 2-Port O.H.V. SPORTS. £40/0/0



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

Matchless
IN NAME & REPUTATION

# MODEL "R/6" 2.46 H.P. SPORTS.

Here is the world's finest value in sports machines. The Model "R/6" is low in price, low in weight, and low in upkeep cost, but is capable of an astonishingly high performance. Special 1930 features include DRY SUMP LUBRICATION, INTERCONNECTED BRAKES, UNTARNISHABLE CHROMIUM PLATING, and every feature which is desired by the sporting rider.

## SPECIFICATION.

The general specification is similar to the Model "R/4" described on page 5, but the following special features are incorporated :—

**ENGINE.**—"MATCHLESS" 2.46 h.p. O.H.V. two-port Sports engine, designed and built in the "MATCHLESS" factories. Large inclined overhead valves, operated by push rods and overhead rockers totally enclosed. The rockers are carried on large diameter roller bearings in an aluminium rocker case with a redesigned and exceptionally stiff attachment to the cylinder head, while the push rods are enclosed in telescopic tubes held in position by internal springs, so that when tappet adjustment is required the bottom portion of either tube can be pushed up with one hand until it is held by a spring catch in such a position that the tappet adjustment is immediately accessible. Redesigned two-port cylinder head with exceptionally deep cooling fins and streamlined gas passages. Strengthened cylinder. Aluminium piston with floating gudgeon pin, roller big end bearing, and all latest features.
Bore 62.5 m.m. Stroke 80 m.m. Capacity 246 c.c.
Maximum power approximately 11 B.H.P.

**LUBRICATION.**—"MATCHLESS" DRY SUMP system, with timing gears running in oil bath. Oil pressure fed to three points on cylinder wall, big end bearing, mainshaft bearing, and camshaft bearing, by duplex horizontal reciprocating rotary plunger pump. Surplus oil is sucked from crankcase sump and returned to oil tank. Cycle parts lubricated by grease gun.

**EXHAUST SYSTEM.**—Two large diameter exhaust pipes, terminating in large detachable silencers of graceful design, with large detachable fishtails all CHROMIUM PLATED.

**STEERING DAMPER.**—A "MATCHLESS" steering damper, which is adjustable by means of a neat finger grooved ebonite knob above the handlebar is part of the standard specification.

**SPEED.**—Approximately 65 m.p.h.

This model also incorporates the INTERCONNECTED BRAKES, UNTARNISHABLE CHROMIUM PLATING, 25in. × 3in. tyres, etc., as specified for Model "R/4" on page 5.

| | Price. | Code Word. |
|---|---|---|
| Model "R/6" to standard specification... ... | £40 0 0 | YUAJT |
| With Acetylene head and tail lamps, and bulb horn | £41 19 0 | YUARD |
| With Lucas 6-volt Magdyno Electric lighting set, electric horn and gearbox drive speedometer ... | £48 1 6 | YUASF |

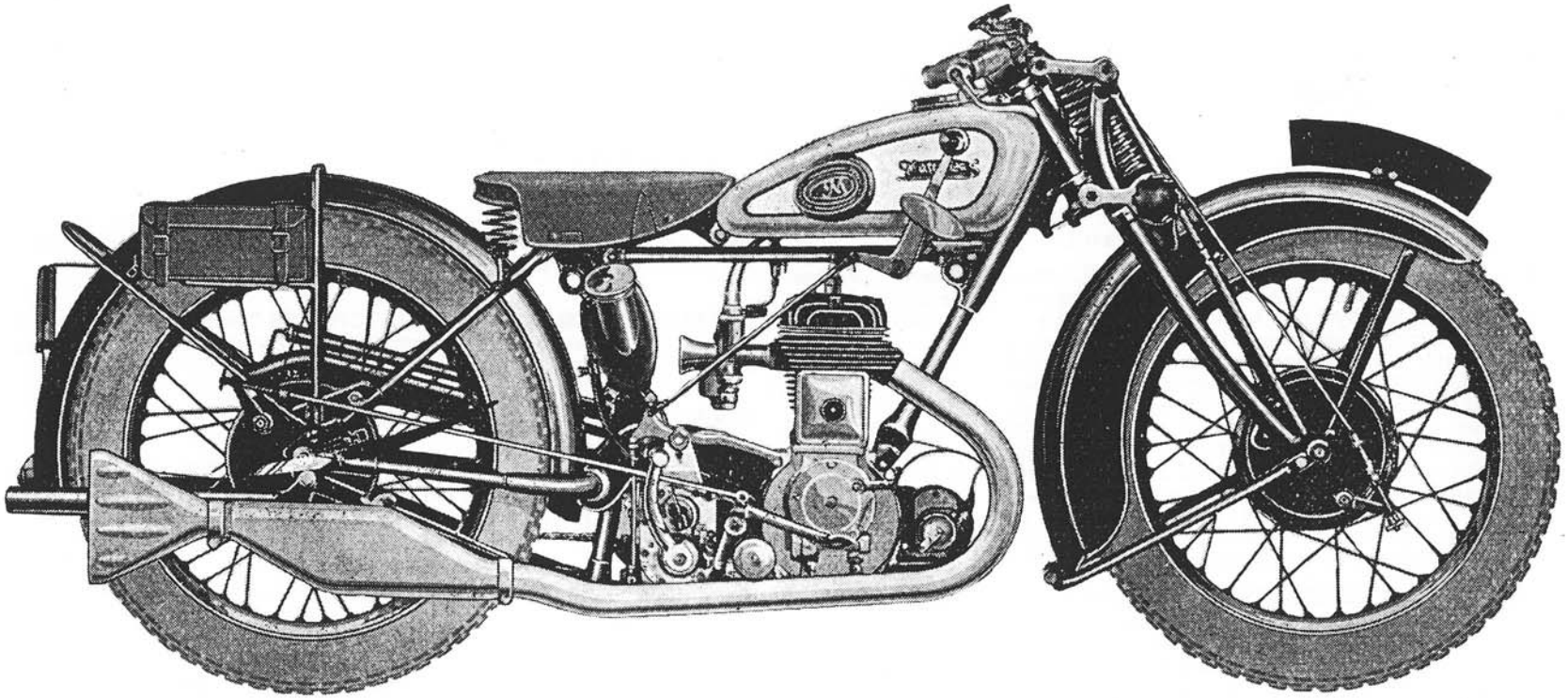
Delivery free to any part of the United Kingdom or Northern Ireland

Sold subject to Guarantee on page 23.



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

Matchless
IN NAME & REPUTATION



*Model* "T/5" 4.98 H.P. £45/10/0



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

# Matchless

IN NAME & REPUTATION

The 4.98 h.p. side-valve "MATCHLESS" is "The Ideal Dual-Purpose Machine," because it combines to an unusual degree the moderate weight and general tractability so desirable for solo riding, with a tremendous reserve of power, which makes it eminently suitable for serious touring with a sidecar. The 1930 Model "T/5" incorporates a host of new features which will strongly appeal to all experienced motor-cyclists, including DRY SUMP LUBRICATION, DETACHABLE CYLINDER HEAD, ENCLOSED VALVES, INTERCONNECTED BRAKES, REDESIGNED SPRING FORKS, and UNTARNISHABLE CHROMIUM PLATING.

## *SPECIFICATION.*

**ENGINE.**—Entirely redesigned "MATCHLESS" 4.98 h.p. high-efficiency side-valve engine, with ENCLOSED SIDE VALVES and CAR TYPE DETACHABLE CYLINDER HEAD. Bore 82.5 m.m. Stroke 93 m.m. Capacity 498 c.c. Power Output 13 B.H.P. at 4,200 r.p.m.
**LUBRICATION.**—DRY SUMP system as described on Page 7.
**GEARBOX.**—Sturmey-Archer 3-speed.
**CLUTCH.**—Latest type dry plate, incorporating "MATCHLESS" patent friction-controlled transmission shock-absorber.
**TRANSMISSION.**—By chain throughout; front chain automatically lubricated.
**CARBURETTER.**—Two-lever with pilot jet and throttle stop.
**EXHAUST SYSTEM.**—Large diameter exhaust pipe, with large detachable silencer and detachable fishtail, all CHROMIUM PLATED.
**STANDS.**—To both wheels; rear "MATCHLESS" spring up type.
**TANKS.**—Pressed steel all-welded petrol tank fitted with leak-proof quickly-detachable filler cap, and three-point suspended on rubber buffers. Capacity approximately 2½ gallons. Separate oil tank under saddle, capacity 4 pints.
**FRAME.**—"MATCHLESS" trussed frame with duplex torque stays and duplex detachable tank rails. Integral sidecar lugs.
**SPRING FORKS.**—New design with brazed-up girder assembly, long spindle bearings, and large shock absorbers adjustable while riding.
**BRAKES.**—"MATCHLESS" 8in. brakes on both wheels, operated through special interconnecting gear by one brake pedal, with finger adjustment for proportion of braking effort applied to front and rear wheels. Hand lever, operating front brake only, provided for emergency use.
**HANDLEBARS.**—Sports or semi-sports types at option.
**SADDLE.**—Large Lycett Aero spring seat.
**WHEELS.**—Heavy gauge spokes on steel hubs, Timken roller bearings.
**TYRES.**—Dunlop Cord 26in. × 3.25in. Dunlop 27in. × 4in. at option at extra charge of 10/- per wheel.
**LIFTING HANDLE.**—A convenient hand hold stay is provided for lifting the machine on to the stand.
**LUGGAGE CARRIER.**—Detachable luggage carrier 15/- extra.
**MUDGUARDS.**—Exceptionally wide flat section guards front and rear, with valances to front guard.
**STEERING DAMPER.**—Extra large "MATCHLESS" steering damper.
**KNEEGRIPS.**—Included in standard specification.
**FINISH.**—Petrol tank finished in UNTARNISHABLE CHROMIUM PLATING, with white side panels with black lines and gold transfer. Exhaust pipes, handlebars, and other fittings CHROMIUM PLATED. Frame, mudguards, etc., stove-enamelled black. All small parts not enamelled or chromium plated are rustless-black gun finish. (Black and white enamelled petrol tank at option in place of chromium plated tank).
**EQUIPMENT.**—Kit of tools, tyre pump, grease gun, and instruction book.
**INSTRUMENT PANEL.**—Electrically equipped machines are fitted with a handsome instrument panel above the handlebars carrying the lighting and charging switch, ammeter, speedometer dial, and steering damper knob. The speedometer and ammeter are provided with indirect illumination for night riding, controlled by a small button switch. An electric horn is mounted in front of the panel. (See Page 21).

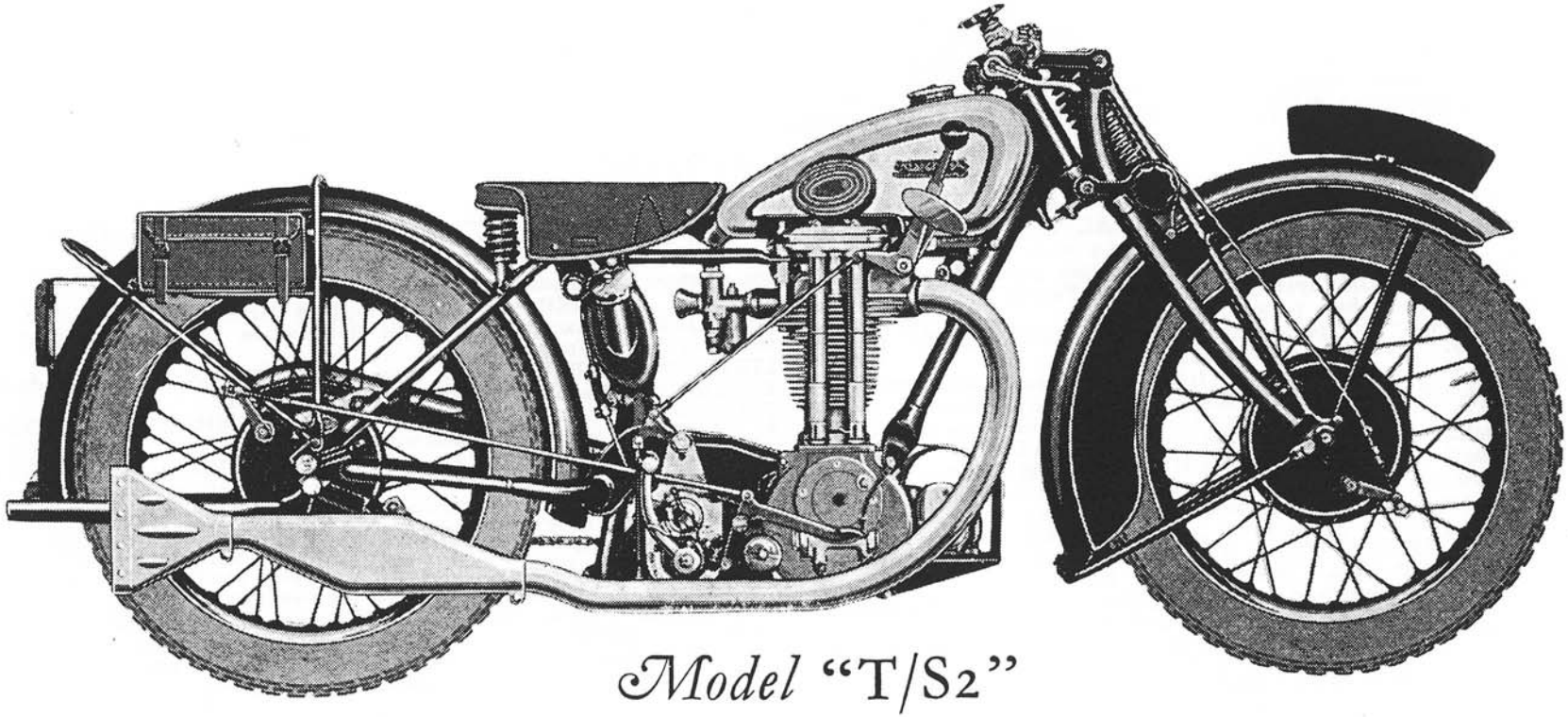
| | Price. | Code Word. |
|---|---|---|
| Model "T/5" to standard specification ... | £45 10 0 | YUAWJ |
| With Acetylene head and tail lamps, and bulb horn | £48 0 6 | YUBAM |
| With Lucas Electric lighting set, electric horn, gear-box drive speedometer, and instrument panel ... | £53 12 6 | YUBEM |

Delivery free to any part of the United Kingdom or Northern Ireland. Sold subject to Guarantee on Page 23.



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

Matchless
IN NAME & REPUTATION



*Model* "T/S2"

3.47 H.P. 2-Port O.H.V. SPORTS. £48/0/0



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

Matchless
IN NAME & REPUTATION

# MODEL "T/S2" 3.47 H.P. SPORTS.

The latest 3.47 h.p. two-port "MATCHLESS" will more than uphold the reputation gained by its predecessors in previous seasons as an ideal sports machine in its class. The Model "T/S2" has a maximum speed in excess of all ordinary requirements, terrific acceleration, and perfect road holding and steering qualities, to which must be added remarkably effective braking as a result of the INTERCONNECTED 8in. BRAKES, which are one of the new features. Other important additions to the specification for 1930 include DRY SUMP LUBRICATION, NEW TYPE SPRING FORKS, CHROMIUM PLATING of all bright parts, and a handsome INSTRUMENT PANEL on the electrically equipped models.

## SPECIFICATION.

In general design the Model "T/S2" is similar to the Model "T/5" described on page 9, and includes the "MATCHLESS" trussed frame, the 8in. INTERCONNECTED BRAKES, the new spring forks with large instantly adjustable shock absorbers and large steering damper, the option of 27×4in. tyres, the CHROMIUM PLATED finish, and the handsome INSTRUMENT PANEL on the electrically equipped models, with the illuminated instruments. The special features of the Model "T/S2" are described below :—

**ENGINE.**—"MATCHLESS" 3.47 h.p. O.H.V. two-port Sports engine, designed and built in the "MATCHLESS" factories. Large inclined overhead valves, operated by push rods and overhead rockers totally enclosed. The rockers are carried on large diameter roller bearings in an aluminium rocker case with a redesigned and exceptionally stiff attachment to the cylinder head, while the push rods are enclosed in telescopic tubes held in position by internal springs, so that when tappet adjustment is required the bottom portion of either tube can be pushed up with one hand until it is held by a spring catch in such a position that the tappet adjustment is immediately accessible. Redesigned two-port cylinder head with exceptionally deep cooling fins and streamlined gas passages. Strengthened cylinder. Aluminium piston with floating gudgeon pin, roller big end bearing, and all latest features. Bore 69 m.m. Stroke 93 m.m. Capacity 347 c.c. Maximum power approximately 16 B.H.P.

**LUBRICATION.**—"MATCHLESS" DRY SUMP system, with timing gears running in oil bath. Oil pressure fed by duplex horizontal reciprocating rotary plunger pump to three points on cylinder wall, big end, mainshaft and camshaft bearings. Surplus oil is sucked from crankcase sump and returned to oil tank. Cycle parts lubricated by grease gun.

**EXHAUST SYSTEM.**—Two large diameter exhaust pipes, terminating in large detachable silencers of graceful design, with large detachable fishtails, all CHROMIUM PLATED.

**ENGINE MOUNTING.**—In addition to the very rigid mounting provided by the "MATCHLESS" trussed frame with the duplex torque stays attached to the bottom of the crankcase, the engine is held at the top by the offside tank rail, which is split and rigidly bolted to the overhead rocker-box. The torque reaction set up by the highly efficient engine is thus completely absorbed.

| | Price. | Code Word. |
|---|---|---|
| Model "T/S2" to Standard Specification ... | £48 0 0 | YUBIP |
| With Acetylene head and tail lamps and bulb horn | £50 10 6 | YUBMA |
| With Lucas electric lighting set, electric horn, gearbox drive speedometer, and instrument panel | £56 2 6 | YUBNE |

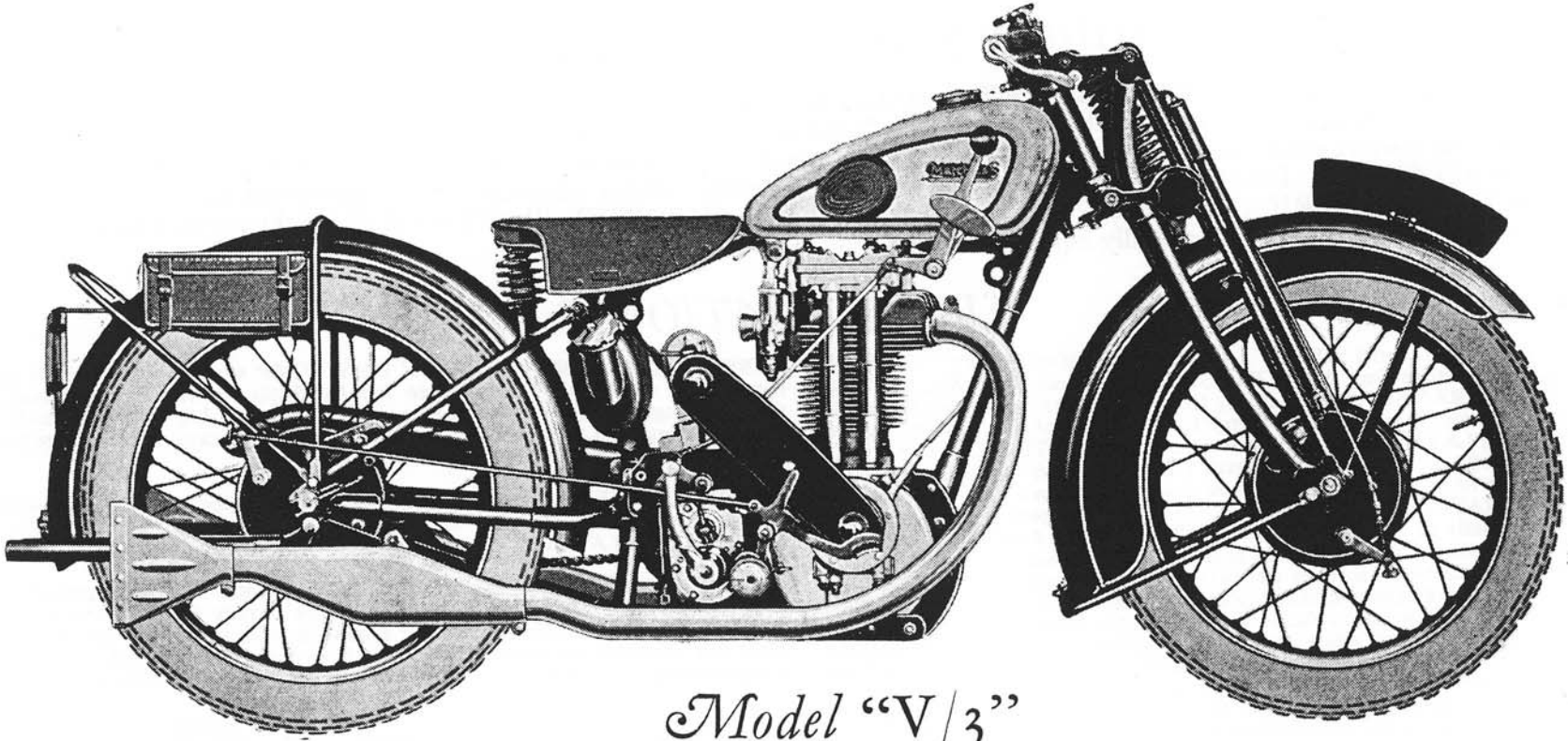
Delivery free to any part of the United Kingdom or Northern Ireland. Sold subject to Guarantee on Page 23.



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

# Matchless

IN NAME & REPUTATION



*Model "V/3"*

## 4.95 H.P. 2-Port O.H.V. SUPER-SPORTS. £53/10/0



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

# Matchless

IN NAME & REPUTATION

The fact that Mr. F. W. Neill, mounted on a 4.95 h.p. Super-Sports Matchless, was chosen by the Auto Cycle Union as a member of the victorious British Team in the 1929 International Six Days' Trial, is sufficient evidence that this model is considered by experts to be the finest motorcycle of its class. The 1930 model includes DRY SUMP LUBRICATION, INTERCONNECTED BRAKES, REDESIGNED SPRING FORKS, DUPLEX TRUSSED LOOP FRAME, and UNTARNISHABLE CHROMIUM PLATING. There is also available the Model " V/3 " Special, fitted with racing valves, cams, etc., and guaranteed to be capable of 85 m.p.h.

## *SPECIFICATION.*

**ENGINE.**—" MATCHLESS " 4.95 H.P. O.H.V. 2-Port Super-Sports Engine, with enclosed valve gear, overhead rockers carried on large diameter roller bearings, push rods enclosed in spring secured telescopic tubes, aluminium piston, full floating gudgeon pin, " needle " roller big end bearing, redesigned high efficiency cylinder head, and all latest features. Bore 85.5 m.m. Stroke 85.5 m.m. Capacity 495 c.c. Power output 22½ B.H.P. at 4,800 r.p.m.

**LUBRICATION.**—DRY SUMP system, described on Page 11.

**GEARBOX.**—Close-ratio Sturmey-Archer 3-speed.

**CLUTCH.**—Latest type dry plate, incorporating " MATCHLESS " patent friction-controlled transmission shock absorber.

**CARBURETTER.**—Two-lever with pilot jet and throttle stop.

**EXHAUST SYSTEM.**—Two 1¾in. exhaust pipes, terminating in large detachable silencers with detachable fishtails, all CHROMIUM PLATED.

**STANDS.**—To both wheels, " MATCHLESS " spring-up stand at rear.

**TANKS.**—Pressed steel all-welded petrol tank fitted with leak-proof quickly-detachable filler cap, and three-point suspended on rubber buffers. Capacity approximately 2½ gallons. Separate oil tank under saddle, capacity 4 pints.

**FRAME.**—" MATCHLESS " trussed loop frame with duplex torque stays.

**FORKS.**—New design forks with brazed-up girder assembly, long spindle bearings, and extra large shock absorbers instantly adjustable while riding.

**BRAKES.**—" MATCHLESS " 8in. brakes on both wheels, operated through special interconnecting gear by one brake pedal, with finger adjustment for proportion of braking effort applied to front and rear wheels. Hand lever operating front brake only, provided for emergency use.

**HANDLEBARS.**—Sports or semi-sports types at option.

**SADDLE.**—Large Lycett Aero spring seat.

**TYRES.**—Dunlop Cord 26in. × 3.25in. Dunlop 27in. × 4in. at option at extra charge of 10/- per wheel.

**LIFTING HANDLE.**—A convenient hand hold stay is provided for lifting the machine on to the stand.

**LUGGAGE CARRIER.**—Detachable luggage carrier 15/- extra.

**MUDGUARDS.**—Exceptionally wide flat section guards front and rear, with valances to front guard.

**STEERING DAMPER.** Extra large " MATCHLESS " steering damper.

**KNEEGRIPS.**—Included in standard specification.

**FINISH.**—Petrol tank finished in UNTARNISHABLE CHROMIUM PLATING, with white side panels with black lines and gold transfer. Exhaust pipes, handlebars, and other fittings CHROMIUM PLATED. Frame, mudguards, etc., stove-enamelled black. All small parts not enamelled or chromium plated are rustless-black gun finish. (Black and white enamelled petrol tank at option in place of chromium plated tank).

**EQUIPMENT.**—Kit of tools, tyre pump, grease gun, and instruction book.

**INSTRUMENT PANEL.**—Electrically equipped machines are fitted with a handsome instrument panel above the handlebars carrying the lighting and charging switch, ammeter, speedometer dial, and steering damper knob. The speedometer and ammeter are provided with indirect illumination for night riding, controlled by a small button switch. An electric horn is mounted in front of the panel.

| | Price. | Code Word. |
|---|---|---|
| Model " V/3 " to standard specification ... .. | £53 10 0 | YUBSY |
| With Acetylene head and tail lamps, and bulb horn | £56 0 6 | YUBUR |
| With Lucas Electric lighting set, electric horn, gearbox drive speedometer, and instrument panel .. | £61 12 6 | YUBYS |

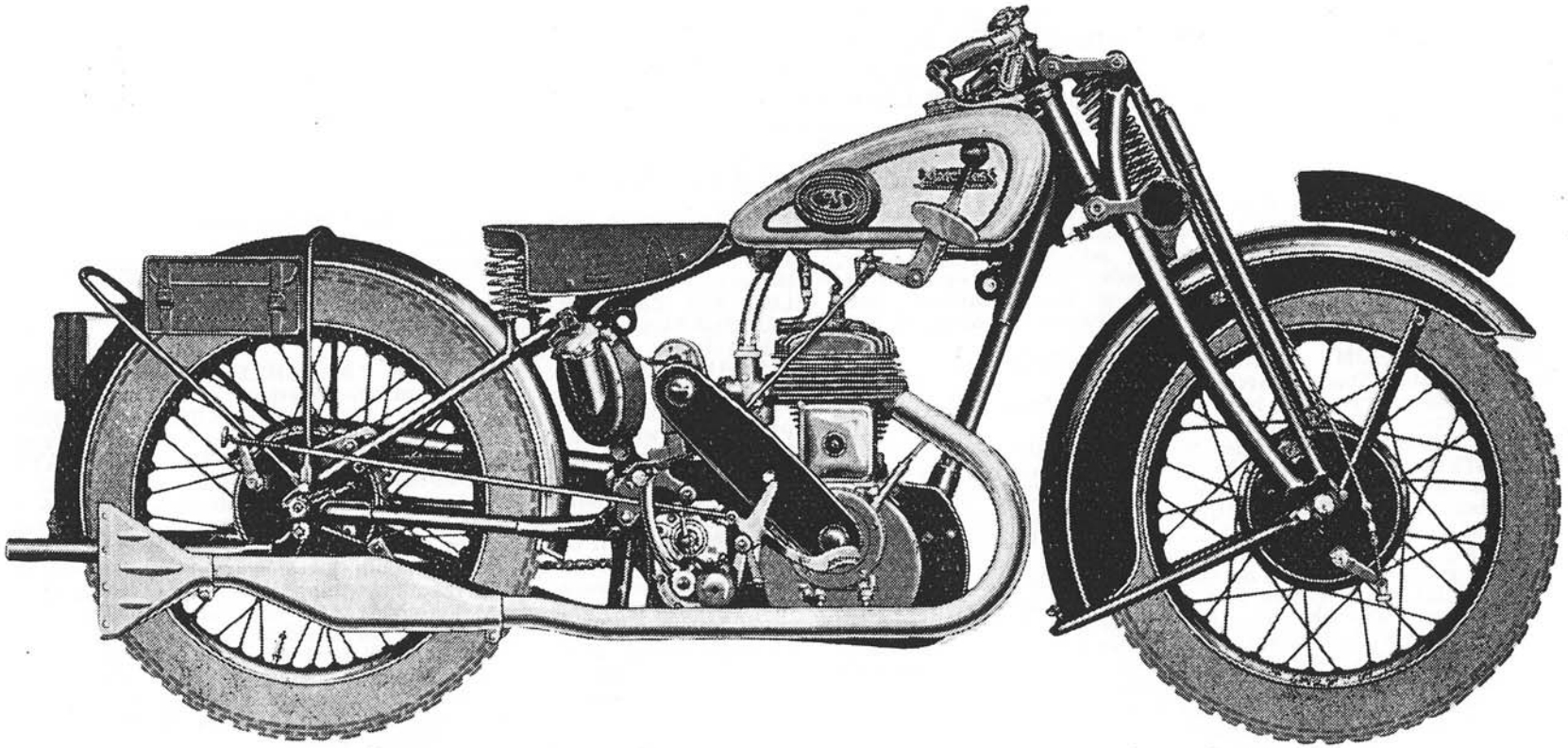
Model " V/3 " Special £5 extra to above prices.

Delivery free to any part of the United Kingdom or Northern Ireland. Sold subject to Guarantee on Page 23.



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

Matchless
IN NAME & REPUTATION



*Model* "V/6" 5.86 H.P. £49/10/0



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

Matchless
IN NAME & REPUTATION

# MODEL "V/6" 5.86 H.P.

This model is a "Big Single" designed for big jobs. It meets the needs of those who require a machine of the very highest class, capable of the heaviest work, and who prefer the economy and sturdiness of a single cylinder engine. For solo work in overseas countries where roads are very bad, or for use with a two-seater or commercial sidecar, it is unrivalled. Special 1930 features include DETACHABLE CYLINDER HEAD, DRY SUMP LUBRICATION, ENCLOSED VALVES, INTERCONNECTED BRAKES, NEW SPRING FORKS, DUPLEX TRUSSED LOOP FRAME, and UNTARNISHABLE CHROMIUM PLATING.

## SPECIFICATION.

The general specification is similar to the Model "V/3" described on Page 13. Below will be found particulars of those features in which it differs from the Model "V/3."

**ENGINE.**—Single cylinder 5.86 H.P. side-valve engine, designed and built in the "MATCHLESS" factories, fitted with car-type detachable cylinder head (as also fitted to Models "R/4" and "T/5"), so arranged that by the removal of seven accessible bolts the whole head can be detached and the engine decarbonised, valves ground in, etc. Scientifically designed combustion space giving high power output with freedom from "knocking" or "pinking." Valves and tappets totally enclosed by quick detachable oil tight cover, ensuring adequate and constant lubrication of valve stems, and freedom from wear caused by dust and mud. Aluminium piston with full floating gudgeon pin, roller big end and driving side mainshaft bearings, large flywheels to give good slow running, etc. Bore 85.5 m.m. Stroke 101.6 m.m. Capacity 586 c.c.

**LUBRICATION.**—DRY SUMP as described on page 11.

**GEARBOX.**—Wide-ratio Sturmey-Archer 3-speed.

**SILENCER.**—One large diameter straight-through exhaust pipe, with large detachable silencer and detachable fishtail, all CHROMIUM PLATED.

**FOOTRESTS.**—Large rubber covered footrests are fitted as standard, but rubber-covered folding footboards can be had if desired at extra charge of £1.

**HANDLEBARS.**—When footrests are fitted there is a choice of sports or semi-sports handlebars. If footboards are fitted, either semi-sports or upturned American type handlebars can be supplied. For general purposes with either footrests or footboards the semi-sports handlebars are recommended

| | Price. | Code Word. |
|---|---|---|
| Model "V/6" to standard specification ... | £49 10 0 | YUCAN |
| With Acetylene head and tail lamps, and bulb horn ... ... ... ... ... ... | £52 0 6 | YUCEP |
| With Lucas Electric lighting set, electric horn, gearbox drive speedometer, and instrument panel ... ... ... ... ... ... | £57 12 6 | YUCNA |

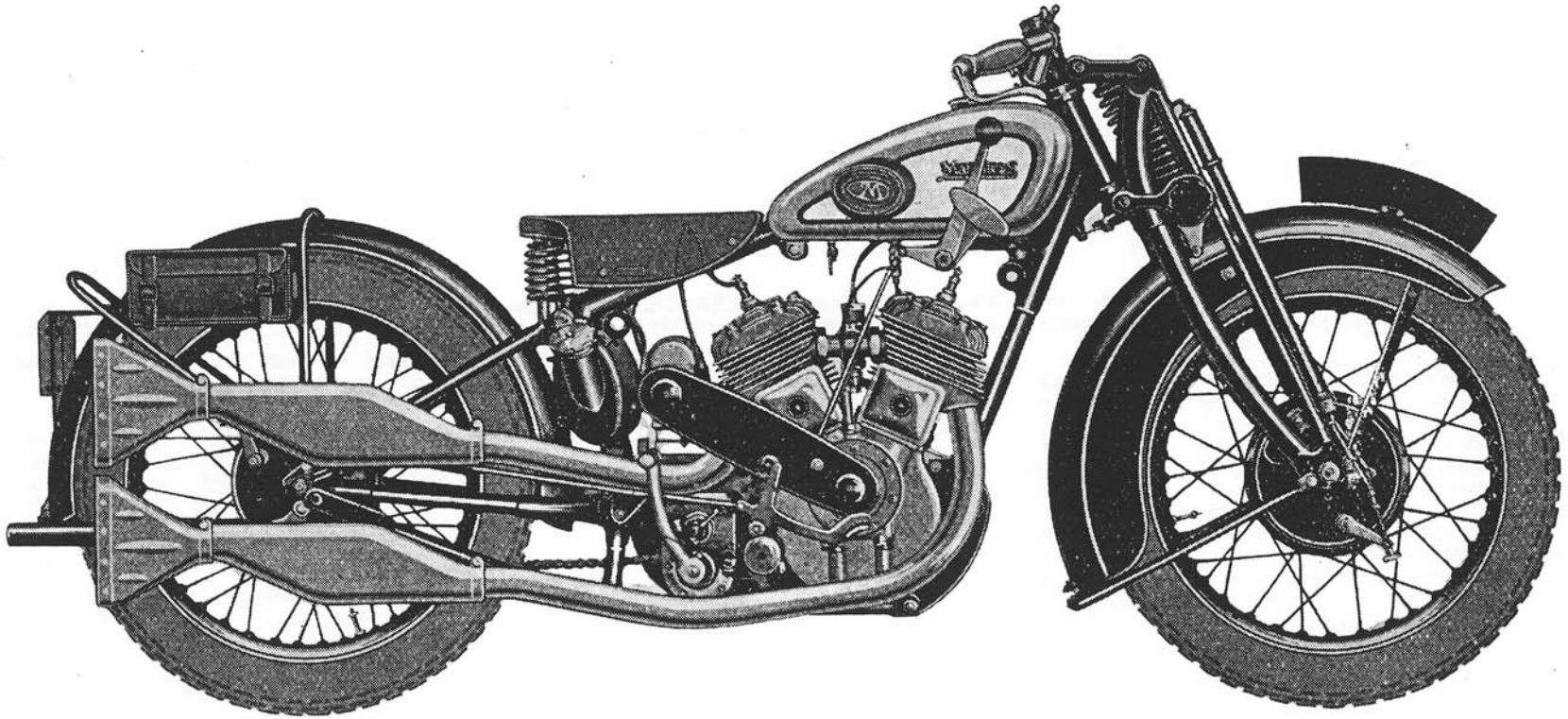
Delivery free to any part of the United Kingdom or Northern Ireland.

Sold subject to Guarantee on Page 23.



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

Matchless
IN NAME & REPUTATION



*Model "X/2" 9.9 H.P. £60/0/0*



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

# Matchless

IN NAME & REPUTATION

"MATCHLESS" "Big Twins" were famous 20 years ago, while for the past decade they have admittedly led the world in design and specification. The 1930 models "X/2" and "X/R2" are even more securely pre-eminent in their class, for in addition to the remarkably attractive specification which made the 1929 models so popular, they incorporate DRY SUMP LUBRICATION, CAR TYPE DETACHABLE CYLINDER HEADS, ENCLOSED VALVES, INTERCONNECTED BRAKES, DUPLEX TRUSSED LOOP FRAME and UNTARNISHABLE CHROMIUM PLATED FINISH. The Model "X/R2" is generally similar to the Model "X/2", but includes a sports engine with plated cylinders and polished valve ports, and chromium plated wheels.

## *SPECIFICATIONS.*

**ENGINE.**—"MATCHLESS" 9.9 H.P. 50° V-twin engine, with CAR-TYPE DETACHABLE CYLINDER HEADS, ENCLOSED VALVES, high efficiency combustion chambers, aluminium pistons, roller big end and driving side mainshaft bearings, 3-cam timing gear running in oil, and all latest features. Bore 85.5 m.m. Stroke 85.5 m.m. Capacity 990 c.c.
**LUBRICATION.**—DRY SUMP system, as described on page 11.
**GEARBOX.**—Sturmey-Archer 3-speed (close ratio on Model "X/R2.")
**CLUTCH.**—Latest type dry plate, incorporating "MATCHLESS" patent friction-controlled transmission shock absorber.
**CARBURETTER.**—2-lever carburetter with pilot jet and throttle stop. Twist grip control for throttle.
**EXHAUST SYSTEM.**—Two 1¾in. diameter exhaust pipes, terminating in large detachable silencers with detachable fishtails, all CHROMIUM PLATED.
**STANDS.**—To both wheels, "MATCHLESS" spring-up stand at rear.
**TANKS.**—Pressed steel all-welded petrol tank fitted with leak-proof quickly-detachable filler cap, and three-point suspended on rubber buffers. Capacity approximately 2½ gallons. Separate oil tank under saddle, capacity 4 pints.
**FRAME.**—"MATCHLESS" trussed loop frame with duplex torque stays.
**FORKS.**—New design forks with brazed-up girder assembly, long spindle bearings, and large shock absorbers instantly adjustable.
**BRAKES.**—"MATCHLESS" interconnected 8in. brakes on both wheels, as described on Page 13.
**FOOTRESTS.**—Large rubber covered footrests are fitted as standard, but rubber covered folding footboards can be had if desired at extra charge of £1.
**HANDLEBARS.**—Choice of 3 shapes as described on Page 15.
**SADDLE.**—Large Lycett Aero spring seat.
**TYRES.**—Dunlop Cord 26in. × 3.25in. Dunlop 27in. × 4in. at option at extra charge of 10/- per wheel.
**LIFTING HANDLE.**—A convenient hand hold stay is provided for lifting the machine on to the stand.
**LUGGAGE CARRIER.**—Detachable luggage carrier 15/- extra.
**MUDGUARDS.**—Exceptionally wide flat section guards front and rear, with valances to front guard.
**STEERING DAMPER.**—Extra large "MATCHLESS" steering damper.
**KNEEGRIPS.**—Included in standard specification.
**FINISH.**—Petrol tank finished in UNTARNISHABLE CHROMIUM PLATING, with white side panels with black lines and gold transfer. Exhaust pipes, handlebars, and other fittings CHROMIUM PLATED. Frame, mudguards, etc., stove-enamelled black. All small parts not enamelled or chromium plated are rustless-black gun finish. (Black and white enamelled petrol tank at option in place of chromium plated tank).
**EQUIPMENT.**—Kit of tools, tyre pump, grease gun, and instruction book.
**INSTRUMENT PANEL.**—Electrically equipped machines are fitted with a handsome instrument panel above the handlebars carrying the lighting and charging switch, ammeter, speedometer dial, and steering damper knob. The speedometer and ammeter are provided with indirect illumination for night riding, controlled by a small button switch. An electric horn is mounted in front of the panel.

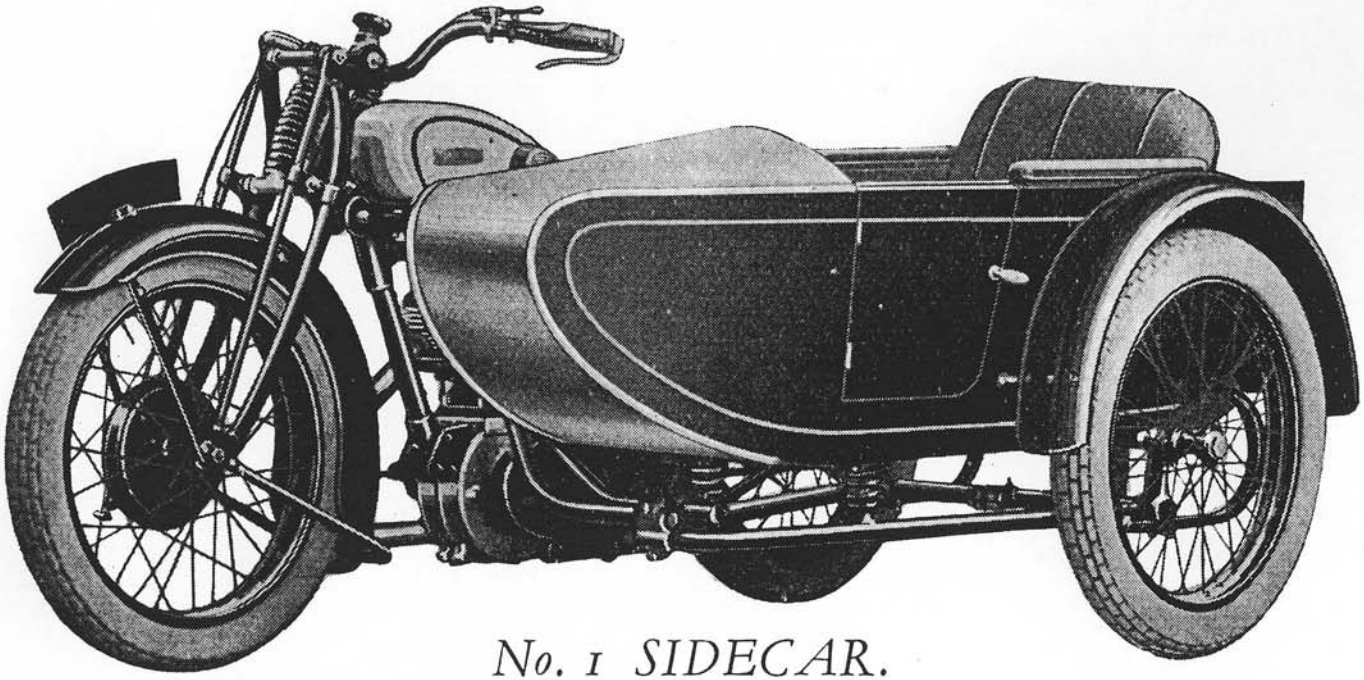
| | Price. | Code Word. |
|---|---|---|
| Model "X/2" to standard specification ... ... | £60 0 0 | YUCOR |
| With Acetylene head and tail lamps, and bulb horn | £62 10 6 | YUCPE |
| With Lucas Electric lighting set, electric horn, gearbox drive speedometer, and instrument panel | £68 2 6 | YUCRO |

Model "X/R2" £2 10 0 extra to above prices. Add Code Word YUCTY to code word given above for Model "X/2" if "X/R2" required.

Delivery free to any part of the United Kingdom or Northern Ireland. Sold subject to Guarantee on Page 23.

# Matchless

IN NAME & REPUTATION



## *No. 1 SIDECAR.*

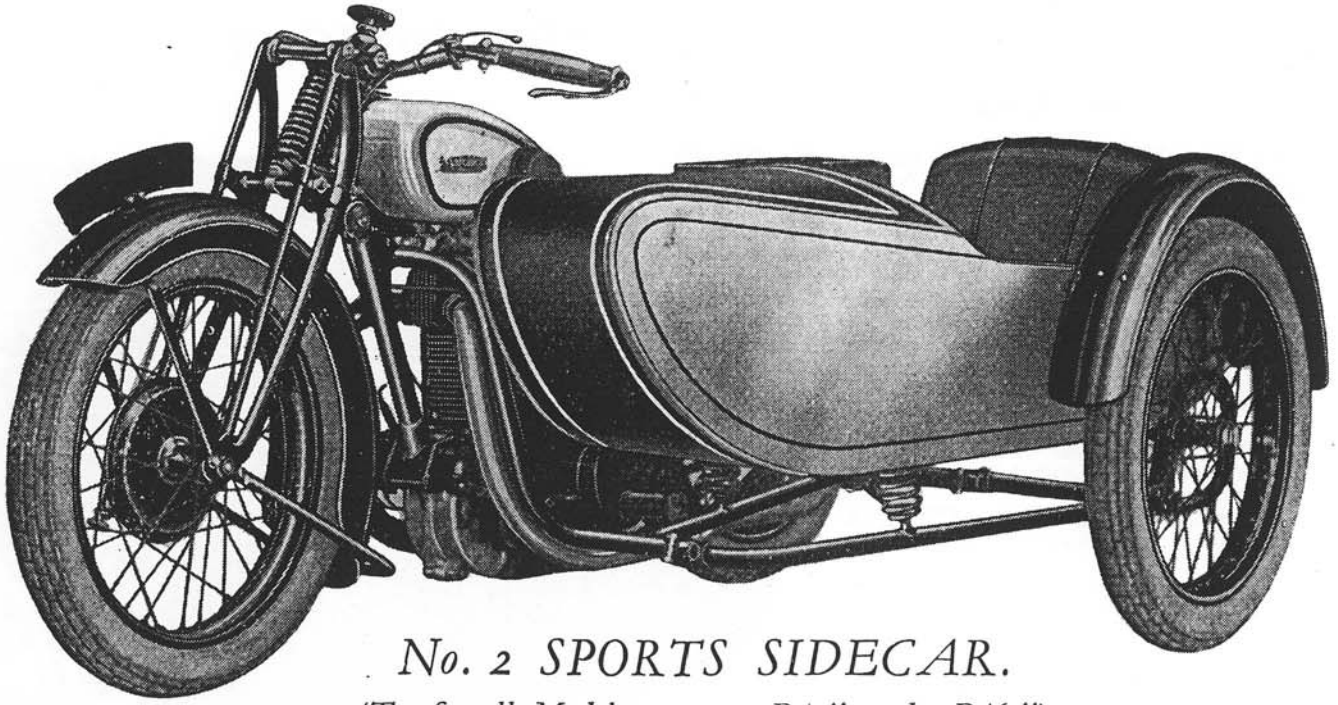
*(To fit all Models except "R/4" and "R/6.")*

This is the standard "MATCHLESS" Touring Sidecar for the 1930 season. The sidecar body gives exceptionally commodious accommodation, with a sporting appearance. The room provided is indicated by the fact that the body is 19ins. wide inside, and the seat cushion is 18ins. deep, with a high back cushion. At the rear is a large locker fitted with a lift-up lid, covered with aluminium matting, and adapted for use as a luggage grid. The nose panel is polished aluminium, but the side and rear panels are stove-enamelled black, with aluminium beading and white lines. The interior of the body is finished in grained leather cloth, with detachable side upholstery. The chassis is of weldless tube throughout, with four connections to the motor cycle, and is equipped with a 26in. × 3.25in. Dunlop Cord tyre. A 27in. × 4in. tyre can be supplied at 10s. extra. PRICE **£15 0 0** CODE WORD WUZWY



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

Matchless
IN NAME & REPUTATION



## *No. 2 SPORTS SIDECAR.*

*(To fit all Models except "R/4" and "R/6.")*

The Sports Sidecar illustrated above has the same chassis as the No. 1 sidecar, but is fitted with a handsome sports body with black nose and back panels with fine white lines, and polished aluminium side panels with black lines. There is ample leg and knee room, so that a six-foot passenger can be carried in comfort. The seat is of the hammock type with padded front roll and spring upholstered back cushion, giving ample support for the shoulders. Behind the back cushion is a capacious locker, and a fixed luggage grid is included in the standard specification. With the body slung very low to reduce wind resistance and assist high speed cornering, this is a very sporting outfit, just what the club-man requires. Standard tyre Dunlop Cord 26in. × 3.25in. Extra charge for 27ins. × 4in. tyre, **10/-**

PRICE **£16 0 0** CODE WORD WYBAB



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

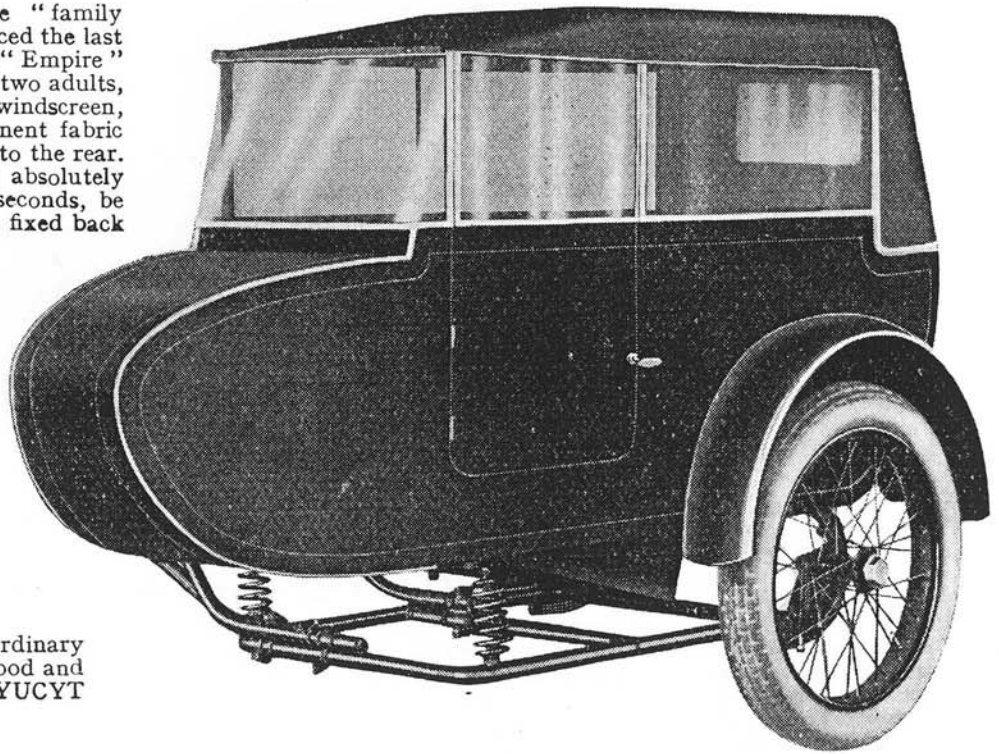
Matchless
IN NAME & REPUTATION

# No. 4a SUNSHINE SALOON TWO-SEATER SIDECAR.

*(Fits Models "V/6", "X/2" and "X/R2")*

"MATCHLESS" designers have always considered the needs of the "family man," and in this Sunshine Saloon Two-seater Sidecar they have produced the last word in sidecar luxury. The body is similar to the well-known No. 4 or "Empire" type two-seater, providing ample and comfortable accommodation for two adults, but is built exactly on the lines of a sunshine saloon car, with a sloping windscreen, fixed side windows, one of which opens with the door, and a permanent fabric covered back panel in which is a large window giving a clear view to the rear. When the roof is in position, as in the illustration, the body is absolutely weatherproof. For fine weather conditions the roof can, in a few seconds, be rolled up until it fits snugly on special brackets just in front of the fixed back panel. The whole roof of the sidecar is then open, but the passengers are protected from all draughts by the fixed windows, back draught being entirely eliminated by the permanent back. The body is finished throughout in the usual "MATCHLESS" style, with celluloid windows, and is mounted on a special chassis designed for two-seater work.

PRICE (26in. × 3.25in. tyre) **£29 10 0**
CODE WORD: YUCUS



# No. 4 TWO-SEATER SIDECAR.

This has the same accommodation as the 4A described above, but is an ordinary open body. A screen and side screens cost **£3 17 6**, and a folding hood and cover **£4 4 0** PRICE **£22 0 0** CODE WORD: YUCYT
Extra for 27in. × 4in. tyre on above sidecars, **10/-**



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

# LIGHTING EQUIPMENT AND SPEEDOMETER.

On all models except the " R/4 " and " R/6 " two standard equipments are available :—

(A) " P. & H." Acetylene lighting set, including head and tail lamps, and bulb horn. PRICE **£2 10 6**

Gearbox drive Speedometer, mounted on special bracket in front of steering damper knob, to go with equipment " A "— Non-trip type PRICE **£2 0 0**
Trip type ,, **£2 5 0**

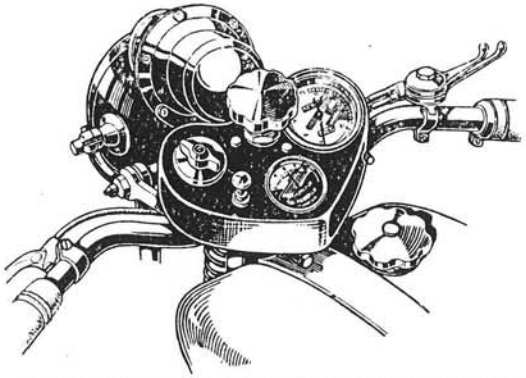
(B) This equipment consists of Lucas Magdyno electric lighting set with dipping beam head lamp, gearbox drive non-trip speedometer, and electric horn. The equipment incorporates a handsome instrument panel mounted immediately above the centre of the handlebars, which panel carries the speedometer, ammeter, lighting set switch, and steering damper knob. The ammeter and speedometer are indirectly illuminated exactly as on the latest car instrument panels, the illumination being controlled by a small button switch on the panel. The electric horn is mounted at the front of the instrument panel, between the panel and the head lamp.

PRICE COMPLETE **£8 2 6**
Extra for tripspeedometer **5**

NOTE.—Owing to the use of the instrument panel, an electrically equipped machine cannot be supplied without speedometer.

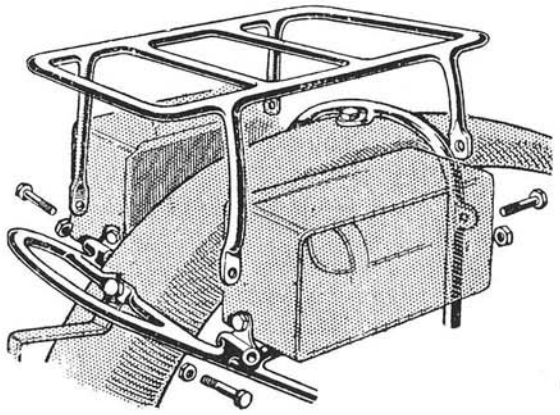
**On Models " R/4 " and " R/6 "** the instrument panel is not fitted, the Lucas electric lighting set having the switch and ammeter mounted in the head lamp. A dipping beam device is incorporated. The gearbox drive speedometer on these models is mounted on a special bracket in front of the centre of the handlebars.

FOR PRICES OF EQUIPMENT SEE NEXT PAGE.



*The handsome instrument panel carrying the switch, ammeter and speedometer.*

*The detachable luggage carrier which fits all models and costs* 15/-





This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

Matchless
IN NAME & REPUTATION

# EQUIPMENT PRICES.

| PARTICULARS OF EQUIPMENT | MODELS R/4 & R/6 | MODELS T/5, T/S2 & V/3 | MODELS V/6, X/2 & X/R2 |
|---|---|---|---|
| | £ s. d. | £ s. d. | £ s. d. |
| Acetylene head and tail lamps and generator | 1 11 6 | 1 19 0 | 1 19 0 |
| Acetylene head, side and tail lamps and 2 generators (for sidecar combination) | | 3 6 6 | 3 6 6 |
| Lucas 6-volt Electric lighting set | 5 10 0 | | |
| Lucas 6-volt Electric lighting set, speedometer, electric horn, and instrument panel (Equipment 'B') | | 8 2 6 | 8 2 6 |
| Extra charge for electric sidecar lamp | | 10 0 | 10 0 |
| Bulb horn | 7 6 | 11 6 | 11 6 |
| Lucas electric horn | 11 6 | | |
| Gearbox drive Speedometer (non-trip) | 2 0 0 | 2 0 0 | 2 0 0 |
| Gearbox drive Speedometer (trip) | 2 5 0 | 2 5 0 | 2 5 0 |
| Touring or Sports sidecar windscreen | | 1 7 6 | 1 7 6 |
| Saloon Hood for Touring or Sports sidecar | | 1 15 0 | 1 15 0 |
| Screen and side screens for No. 4 sidecar | | | 3 17 6 |
| Hood and Cover for No. 4 sidecar | | | 4 4 0 |
| Footboards | | | 1 0 0 |
| Legshields (not on "V/3") | 15 0 | 15 0 | 15 0 |
| Detachable luggage carrier | 15 0 | 15 0 | 15 0 |
| Extra charge for 27in. × 4in. tyres per wheel | | 10 0 | 10 0 |
| "MATCHLESS" pillion seat | 1 1 0 | 1 1 0 | 1 1 0 |
| "MATCHLESS" pillion footrests | 12 6 | 12 6 | 12 6 |



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone

# NOTICE

We do not appoint agents for the sale on our behalf of our Motorcycles or other goods, but we assign to Motorcycle Dealers areas in which we supply to such Dealers exclusively for re-sale in such areas. No such Dealer is authorised to transact any business, give any warranty, make any representation, or incur any liability on our behalf.

# GUARANTEE

We give the following guarantee with our Motorcycles, Motorcycle Combinations and Sidecars, which is given in place of any implied conditions, warranties and liabilities being in all cases excluded. Any statement, description, condition or representation contained in any catalogue, advertisement, leaflet, or other publication shall not be construed as enlarging, varying, or over-riding this guarantee. In the case of machines which have been used for "hiring-out" or "racing" purposes, or from which the trade-mark, name, or manufacturing number has been removed, no guarantee of any kind is given or is to be implied.

We guarantee, subject to the conditions mentioned below, that all precautions which are usual and reasonable have been taken by us to secure excellence of materials and workmanship, but this guarantee is to extend and be in force or six months only from date of purchase, and damages for which we make ourselves responsible under this guarantee are limited to the free supply of a new part in exchange for the part of the motor-cycle, motorcycle combination, or sidecar which may have proved defective. We do not undertake to replace or reflx, or bear the cost of replacing or refixing such new part in the motorcycle, motorcycle combination, and sidecar. We undertake, subject to the conditions mentioned below, to make good at any time within six months any defects in these respects. As the motorcycles, motorcycle combinations and sidecars are easily liable to derangement by neglect or misuse, this guarantee does not apply to defects caused by wear and tear, misuse or neglect.

The term "misuse" shall include, amongst others, the following acts :—

1. The attaching of a sidecar to the motorcycle in such a manner as to cause damage, or calculated to render the latter unsafe when ridden.
2. The use of a motor-cycle or of a motorcycle and sidecar combined, when carrying more persons or a greater weight than that for which the machine was designed by the manufacturers.
3. The attaching of a sidecar to a motorcycle by any form of attachment not provided, supplied, or approved by the manufacturers, or to a motorcycle which is not designed for such use.

Any motorcycle, motorcycle combination, or sidecar sent to us to be plated, enamelled, or repaired, will be repaired upon the following conditions, i.e., we guarantee that all precautions which are usual and reasonable have been taken by us to secure excellence of material and workmanship, such guarantee to extend and be in force for three months only from the time such work shall have been executed, or until the expiration of the six months above referred to, and this guarantee is in lieu and in exclusion of any common law or statute, warranty, or condition, and the damages recoverable are limited to the cost of any further work which may be necessary to amend and make good the work found to be defective.

# CONDITIONS OF GUARANTEE

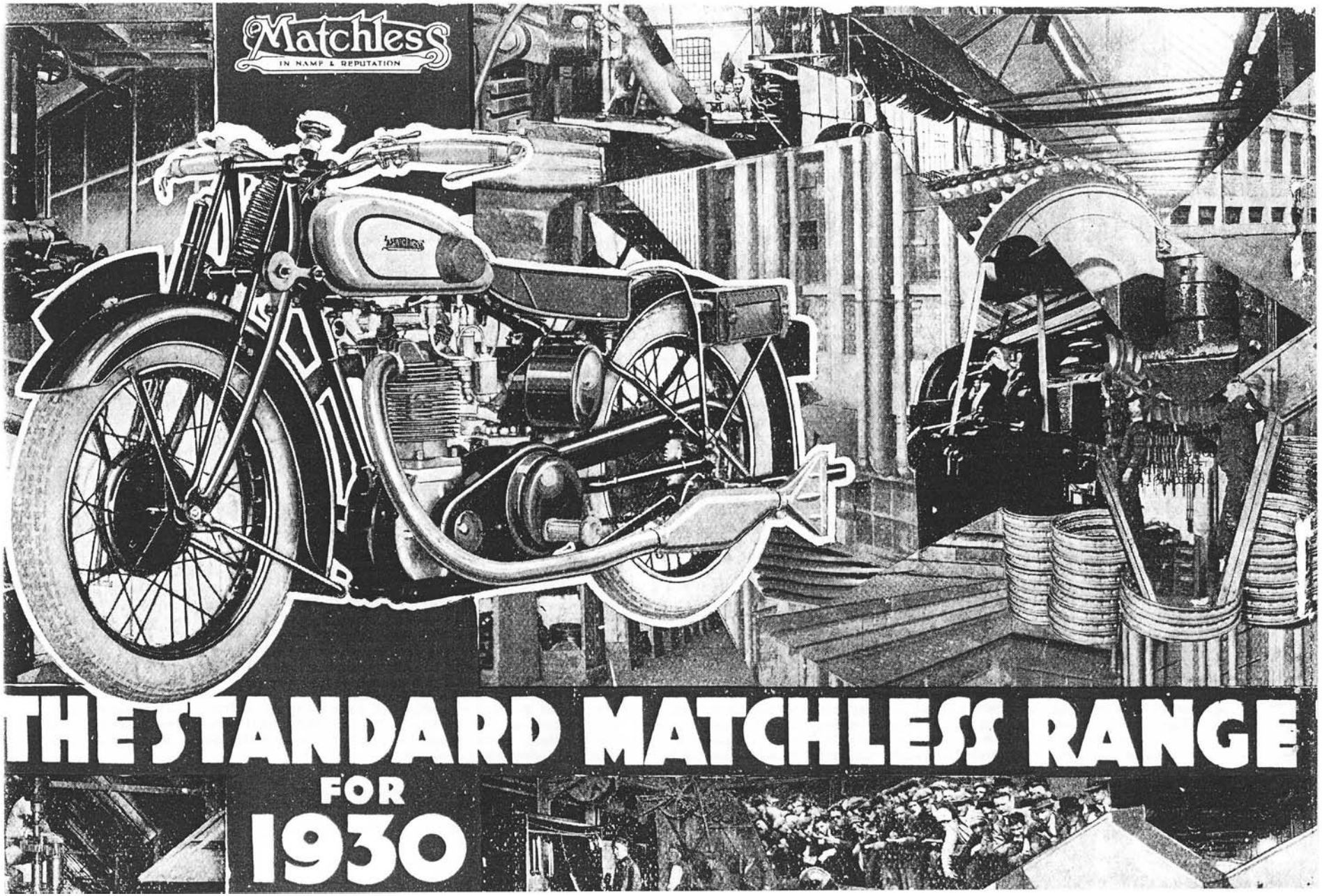
If a defective part should be found in our motorcycles, motorcycle combinations, or sidecars, or in any part supplied by way of exchange before referred to, it must be sent to us, CARRIAGE PAID, and accompanied by an intimation from the Owner that he desires to have it repaired or exchanged free of charge under our guarantee, and he must also furnish us at the same time with the number of the machine, the date of the purchase, or the date when the alleged defective part was exchanged, as the case may be.

Failing compliance with the above, such articles will lie here AT THE RISK OF THE OWNER, and this guarantee and any implied guarantee, warranty or condition shall not be enforceable.

We do not guarantee specialities, such as tyres, saddles, chains, lamps, etc., or any component parts supplied to the order of the Purchaser differing from our standard specifications supplied with our motorcycles, motorcycle combinations, sidecars, or otherwise.



This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone




This scan is explicit for non-commercial use and is not intended for financial or material gain by anyone