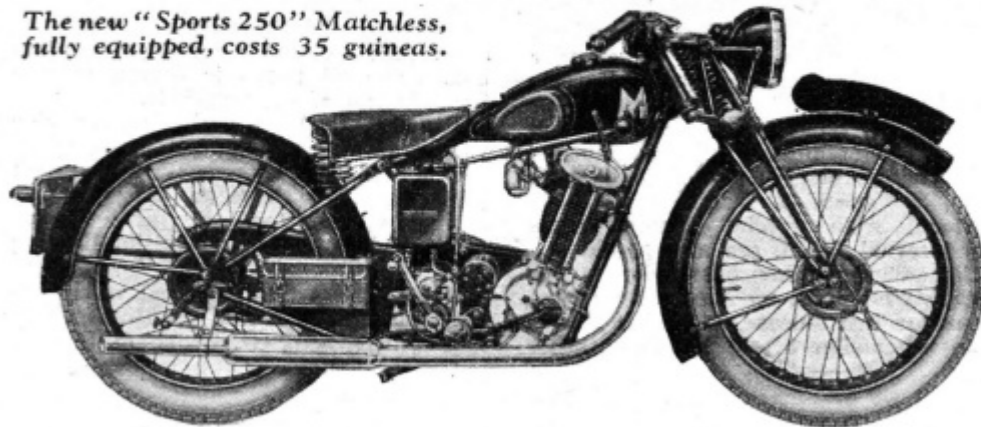


TWO NEW MATCHLESSES

A Sports o.h.v. 250 and a s.v. 250

The new "Sports 250" Matchless, fully equipped, costs 35 guineas.



THE undoubted success achieved during 1933 by the Matchless "Sports 500," the chief characteristic of which is a very high power-to-weight ratio, giving ultra-rapid acceleration and high maximum speed, has led now to the introduction of another Matchless model. This is a "Sports 250," which has been built to meet the demand from those riders who require a machine characteristically the same as the "Sports 500" but with an engine which comes in a more economical class.

Like its larger prototype the "Sports 250" has an exceptional power-to-weight ratio, possesses splendid acceleration and has a maximum speed of between 65-70 b.h.p.

The o.h.v. engine has a bore and stroke of 62.5 mm. and 80 mm. respectively, giving a capacity of 246 c.c. The cylinder head has a single exhaust port and a down-draught inlet angle, and the overhead valve gear is enclosed, provision being made for adequate lubrication. A Lo-ex alloy piston and a roller big-end bearing are used. The double camshaft timing gear runs submerged in oil and a decompressor ensures easy starting. The Matchless dry-sump lubrication system, with a saddle-

tube-mounted oil tank, is employed.

The frame is of the familiar duplex cradle type with twin front down tubes, and a pivot mounted three-speed gearbox give ratios of 6.3, 10.1 and 19 to 1; hand change is used. The front chain is completely enclosed in an oil-bath chaincase.

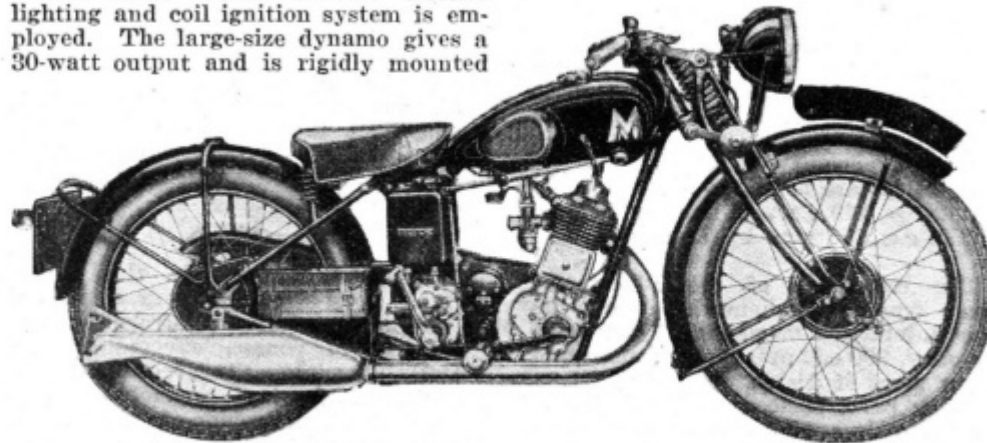
The latest Lucas six-volt electric lighting and coil ignition system is employed. The large-size dynamo gives a 30-watt output and is rigidly mounted

on the engine plates and driven by a chain fully enclosed in the primary chaincase—a singularly effective and original plan. An extra large battery is carried on a special platform beneath the saddle where access to it is particularly easy.

Deep-section mudguards with normal all-black finish are fitted as standard, but the chromium-edged type, exactly as used on the "Sports 500," can be specified if required at an extra charge of 25s.

That no item of the specification has been sacrificed is evident from the fact that the machine is fitted with 26-in. by 3.25-in. tyres, yet its price, fully equipped, is only 35 guineas.

The other new model is of similar specification to the new "Sports 250" but is fitted with a side-valve engine with a bore and stroke also of 62.5 mm. and 80 mm. respectively. The valves are fully enclosed and a decompressor is fitted. This model also has the new six-volt Lucas electric lighting and coil ignition system; the price, fully equipped, is 34 guineas.



The new 250 c.c. s.v. Matchless is similar to the "Sports 250" except for the engine and silencer. Coil ignition with large dynamo and battery, are standard on both models.