

THE MOTOR CYCLE

Largest Net Sale in the World

Thursday 7 October 1954

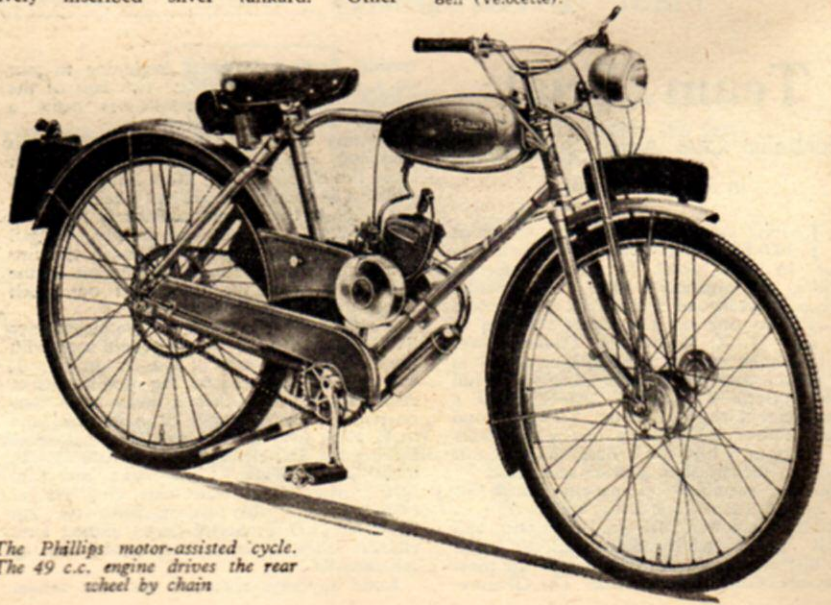
New Cyclemotor

FAMOUS for over half a century in the cycle field, Phillips are introducing a 49 c.c. motorized machine which will be on show at Earls Court next month. The cycle is built on conventional lines but is unusually sturdy. The 22in frame has a curved top tube dropping to 20in size, and the front fork has additional supports from the top of the steering stem to the wheel-spindle lugs. An internal-expanding brake operates on the front wheel and, at the rear, there is a coaster hub brake. Tyres are Dunlop 26 x 1 1/2 in.

The engine has a bore and stroke of 40.5 x 38.25mm, and is mounted in the vee formed between the front down tube and saddle tube. Both cylinder head and cylinder barrel are in aluminium alloy, and the barrel is cast round an iron liner. The cylinder head is detachable. Ignition and lighting are by Bosch flywheel magneto with lighting coils. The six-volt circuit supplies front and rear lamps, and an electric horn.

Incorporated with the unit is a dry, multi-plate clutch, and the handlebar control has a trigger which retains the lever in the disengaged position when it is required to propel the machine as a normal cycle with the pedalling gear. The carburettor rich-mixture device for cold starting is put out of action

ively inscribed silver tankard. Other... 2. D. O. Curtis (Matchless); S. W. Bell (Velocette).



The Phillips motor-assisted cycle. The 49 c.c. engine drives the rear wheel by chain

when the engine has reached a normal working temperature by operation of the throttle twistgrip, so that there is no need for the machine to be temporarily halted.

Drive from the engine to the rear wheel is by 1/2 x 1/4 in roller chain tensioned by a jockey sprocket. The pedalling chain is adjusted by draw bolts in the normal cycle fashion.

Finish of the machine is in silver grey, with handlebar, controls, wheel rims, hubs, pedal cranks, saddle springs and other components chromium plated. Standard specification includes lamps, speedometer, number plates, licence holder, stand, tyre pump, toolbag and tools and, as mentioned earlier, an electric horn.

Makers are Phillips Cycles, Ltd., Credenda Works, Smethwick, Birmingham, and the price (including purchase tax payable in Great Britain) is £49 15s.