

JOYBIKE PRICES

49 c.c. MOPED	....	....	£48	15	0
49 c.c. SCOOTERETTE	....	....	£65	0	0

£3 extra in each case for 75 c.c. Engine

EXTRAS ON THE MOPED

Three-Speed Hub	....	....	£2	7	7
Spring Forks	....	....	£3	15	0
Three-Speed Engine Pulley	....	....	£3	10	0

ALL PRICES INCLUDE PURCHASE TAX

A FEW COMMENTS ON THE DESIGN OF THE JOYBIKE

The primary belt drive clutch fitted permits the engine to run free when stationary, but does not permit the engine to move the machine away from a standstill. This is so designed deliberately to minimise wear of the engine and transmission, which is the greatest when starting from a standstill.

When the drive is disengaged the belt runs free and does not wear on the pulleys.

The use of a three-speed hub allows a superbly easy start from a standstill in low gear; when it is necessary to assist the engine up a steep hill this can be done much easier in top gear. The three-speed hub also contains the best form of free wheel, running in oil inside the hub, away from dirt and grit. It has many times the life of a normal external free wheel. It should be understood that the engine drive does not go through the hub mechanism, which is under much less load than on a normal cycle.

The rear brake operates by a wedging action in the vee of the primary belt pulley by means of a fibre block which has a very long life. When replacement of the block is necessary after

prolonged use it can be done in five minutes. This brake is far more powerful than a conventional type as the belt pulley turns five times to every revolution of the rear wheel. There is less tendency to skid and the one brake alone is equal to two of the normal pattern.

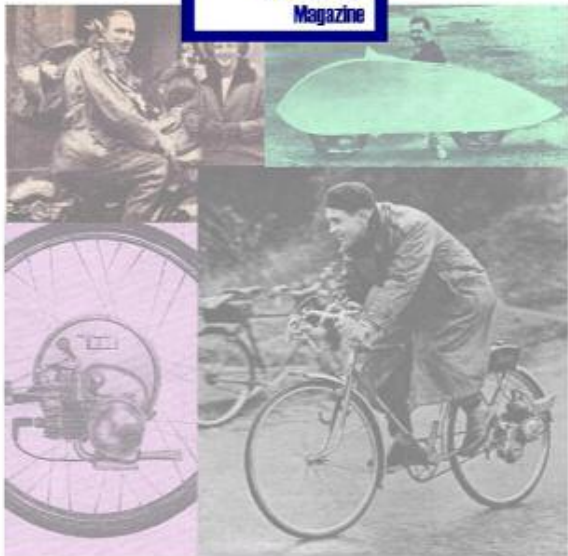
Our recommendations for servicing are to clean the points and plug and scrape out the exhaust port every 1,000 miles and leave the rest alone. In common with car manufacturers we find that the less the engine is pulled to pieces the better it runs. The above servicing every 1,000 miles can easily be done in fifteen minutes by any user.

The Joybike lighting is from the magneto with the addition of dry battery parking lights. The dry battery is the large size economical twin cell type and the bulbs used are 2.5 volt to give a bright light. The parking lamps light automatically when the engine drive is disengaged. This is done by a very simple switch on the transmission radius arms.

H. V. POWELL CYCLES LTD.
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PATENT APPLIED FOR.

F. H. WAKELIN LTD., WHEELER ST., BIRMINGHAM 19

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