

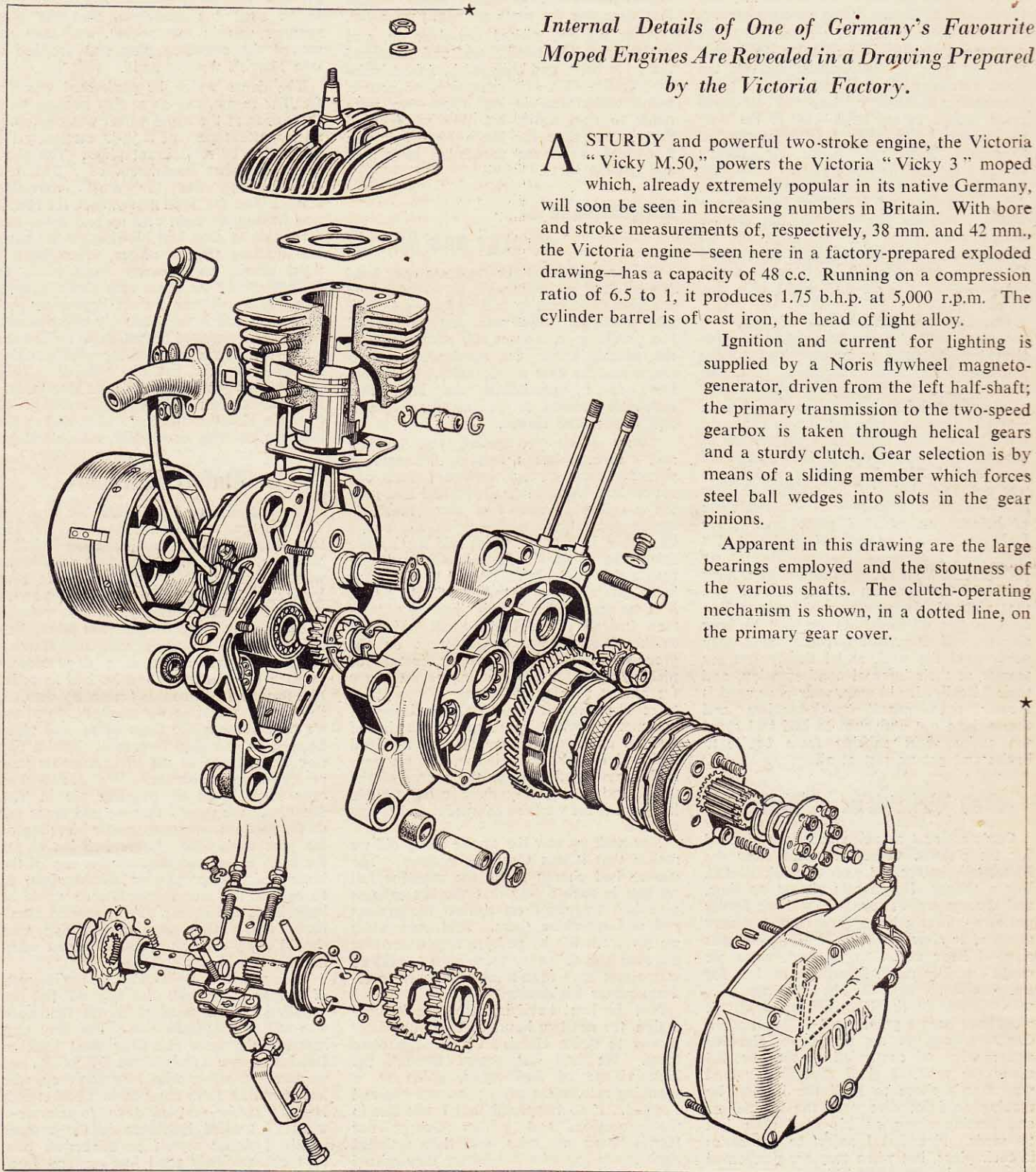
THE VICTORIA "VICKY 3" ENGINE

Internal Details of One of Germany's Favourite Moped Engines Are Revealed in a Drawing Prepared by the Victoria Factory.

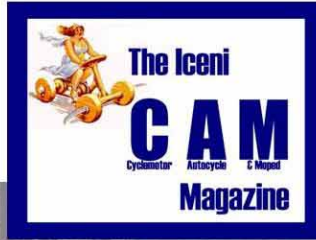
A STURDY and powerful two-stroke engine, the Victoria "Vicky M.50," powers the Victoria "Vicky 3" moped which, already extremely popular in its native Germany, will soon be seen in increasing numbers in Britain. With bore and stroke measurements of, respectively, 38 mm. and 42 mm., the Victoria engine—seen here in a factory-prepared exploded drawing—has a capacity of 48 c.c. Running on a compression ratio of 6.5 to 1, it produces 1.75 b.h.p. at 5,000 r.p.m. The cylinder barrel is of cast iron, the head of light alloy.

Ignition and current for lighting is supplied by a Noris flywheel magneto-generator, driven from the left half-shaft; the primary transmission to the two-speed gearbox is taken through helical gears and a sturdy clutch. Gear selection is by means of a sliding member which forces steel ball wedges into slots in the gear pinions.

Apparent in this drawing are the large bearings employed and the stoutness of the various shafts. The clutch-operating mechanism is shown, in a dotted line, on the primary gear cover.



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