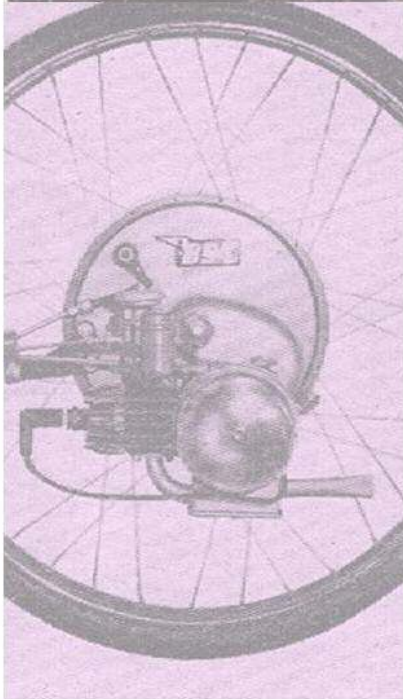
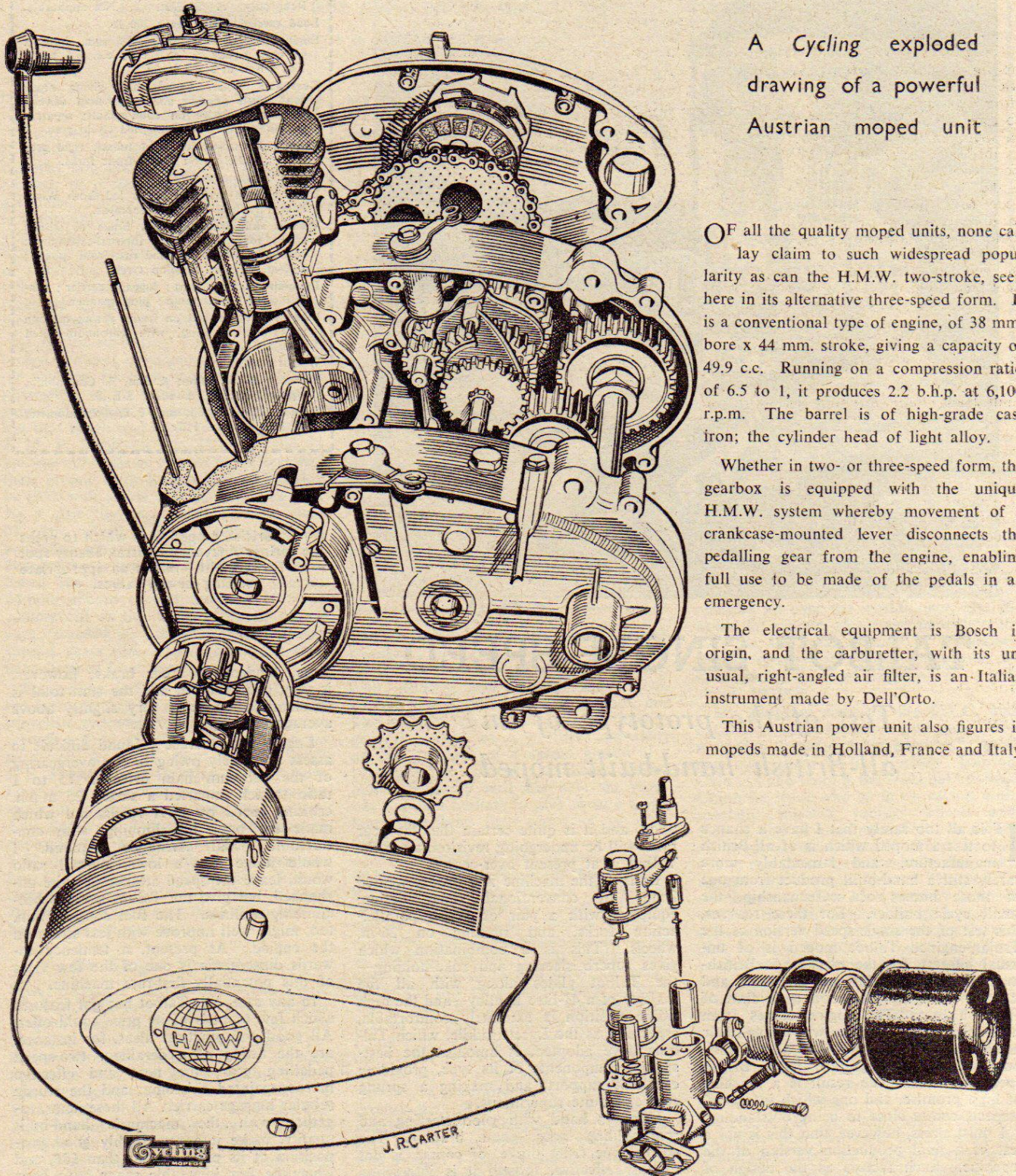


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THE H.M.W. ENGINE



A *Cycling* exploded drawing of a powerful Austrian moped unit

OF all the quality moped units, none can lay claim to such widespread popularity as can the H.M.W. two-stroke, seen here in its alternative three-speed form. It is a conventional type of engine, of 38 mm. bore x 44 mm. stroke, giving a capacity of 49.9 c.c. Running on a compression ratio of 6.5 to 1, it produces 2.2 b.h.p. at 6,100 r.p.m. The barrel is of high-grade cast iron; the cylinder head of light alloy.

Whether in two- or three-speed form, the gearbox is equipped with the unique H.M.W. system whereby movement of a crankcase-mounted lever disconnects the pedalling gear from the engine, enabling full use to be made of the pedals in an emergency.

The electrical equipment is Bosch in origin, and the carburetter, with its unusual, right-angled air filter, is an Italian instrument made by Dell'Orto.

This Austrian power unit also figures in mopeds made in Holland, France and Italy.

Cycling
MOPEDS

J. CARTER