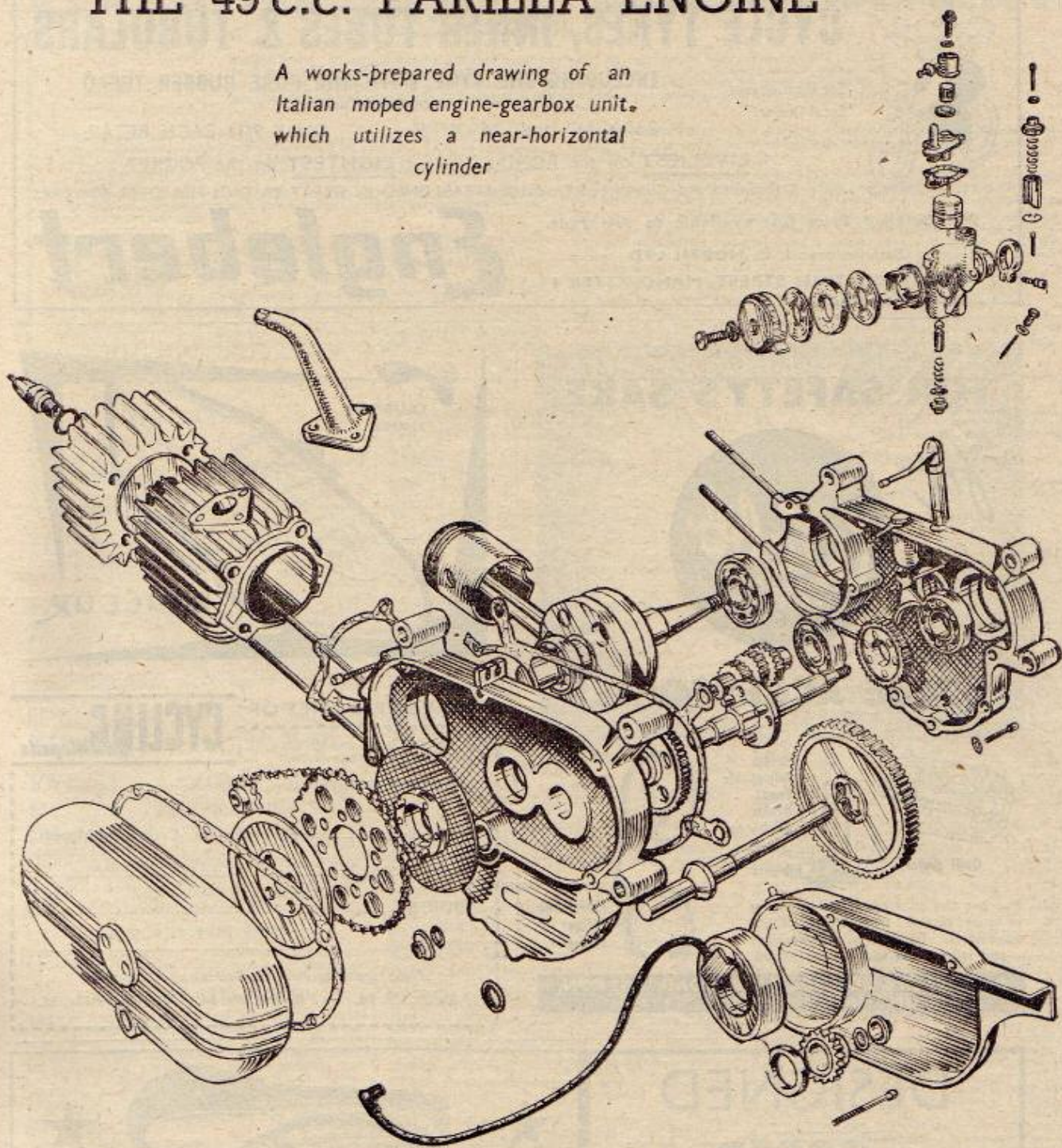


THE 49 c.c. PARILLA ENGINE

A works-prepared drawing of an Italian moped engine-gearbox unit, which utilizes a near-horizontal cylinder



OF all high-performance mopeds, the 49-c.c. Parilla is perhaps the simplest in conception. It is powered by a two-stroke engine (though there are also four-stroke variants) of 38 m.m. bore x 44 m.m. stroke, developing 1.7 b.h.p. at 5,500 r.p.m. It is this unit which is illustrated here, in a drawing based on one issued by the Parilla factory.

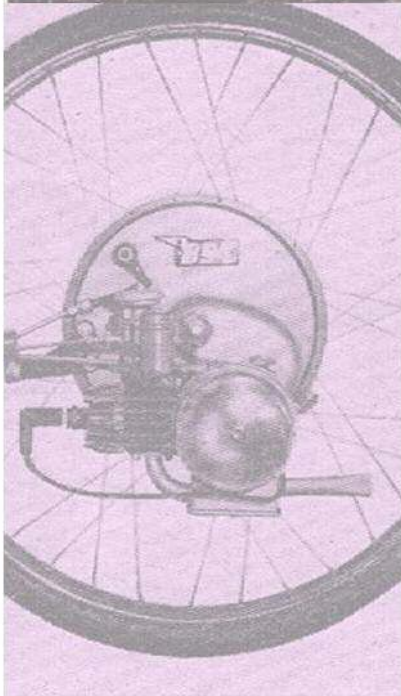
Built in unit is a two-speed gearbox, twist-grip controlled, which has a single-plate clutch driven by a short primary chain. The carburetter is of Dell'Orto manufacture, although when the engine is used by the Dutch Monza concern in their range of mopeds it is replaced by an Encarwi instrument.

Ignition is supplied by a flywheel mag-

neto of conventional design, fitted on the right-hand side of the unit.

Perhaps the outstanding feature of the design is the use of a cylinder which is almost horizontally placed, with the cooling fins arranged longitudinally. This makes for excellent cooling, and also ensures a low centre of gravity for the moped as a whole.

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