FLIGHT

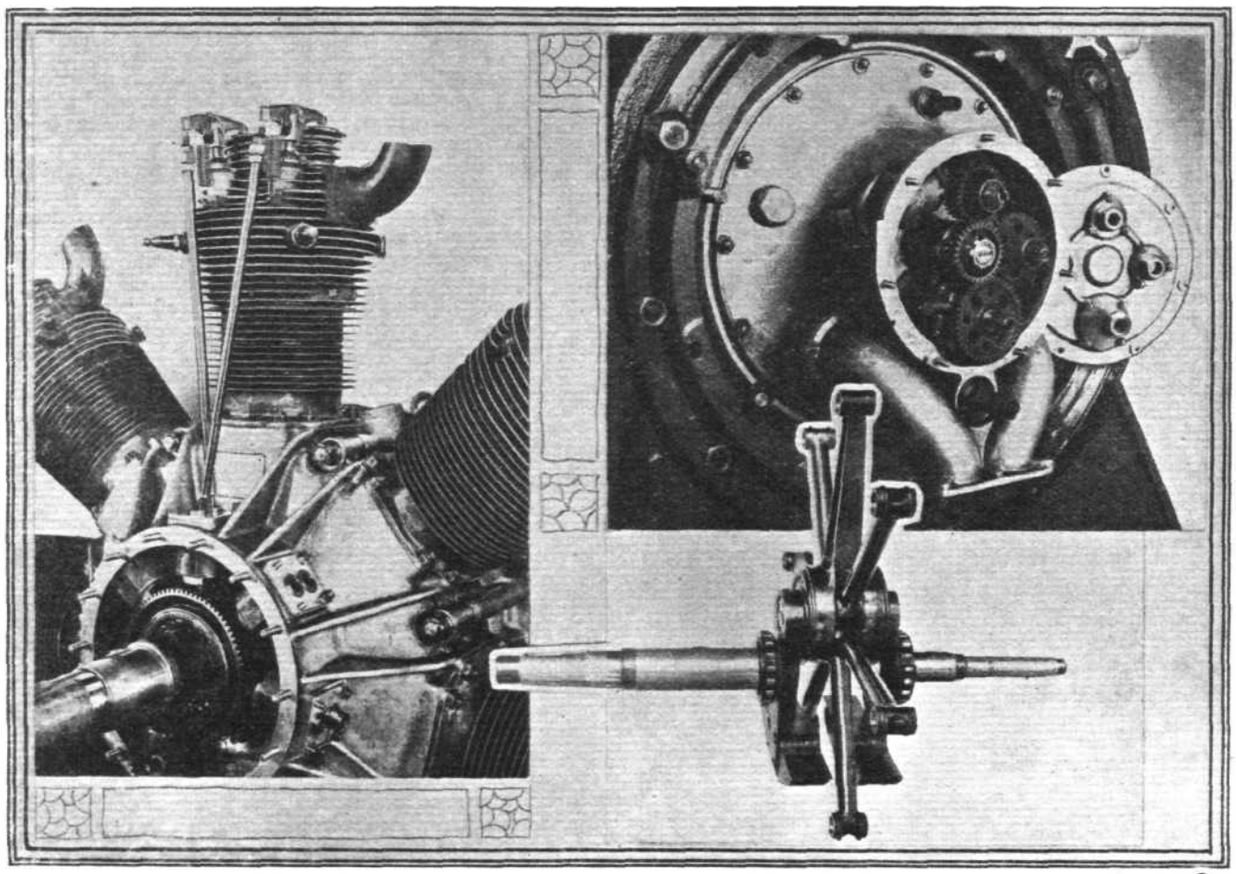
THE 240-H.P. WALTER-CASTOR AERO ENGINE

A Czecho-Slovak Air-Cooled Radial

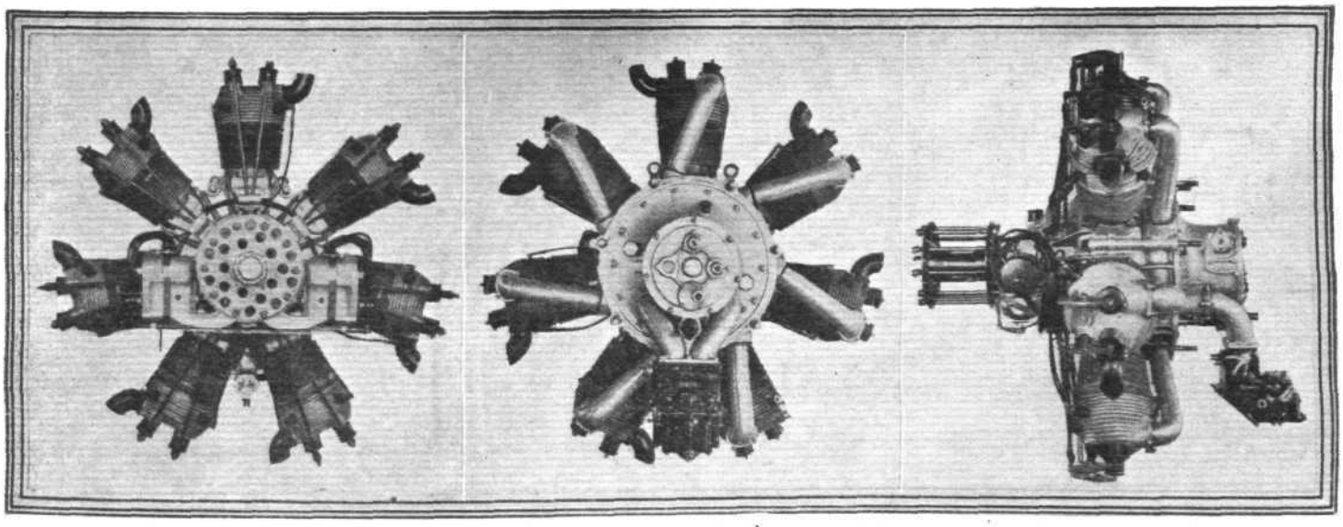
THE well-known Czecho-Slovak Aero Engine firm of Walter A. Spol, of Prague—who have already produced several types (60 h.p., 85 h.p., 120 h.p.. 420 h.p. and 600 h.p.) of air-cooled radial engines for aircraft, recently added yet another model to their range. This new engine, one of medium power (*i.e.*, 240 h.p.), was recently tested under the supervision of a committee of Public Works, having successfully passed the tests according to the international rules of the C.I.N.A. We are able this week to give a brief description with illustrations of this engine.

Like previous Walter engines, this new model is an air-cooled radial, with seven cylinders, 135 mm. (5·3 in.) bore by 170 mm. (6·7 in.) stroke. The cylinders are made from the solid block of forged steel, with the cooling fins and bottom flange machined. The tops of the cylinders are also machined to receive the separate cylinder heads. It may be of interest to note that all the steels used in the construction of Walter engines are made by the well-known Poldi Steel Foundries.

The cylinder heads are of aluminium, thermically treated.



THE 240 H.P. WALTER-CASTOR ENGINE: Some constructional details showing the valve gear (left), auxiliary gears and crank-shaft assembly (right).



THE 240 H.P. WALTER-CASTOR ENGINE: Three views of the new model recently added to the wide range (60 h.p.—600 h.p.) of air-cooled radial engines produced by the well-known Czecho-Slovak firm.