Miscellaneous Components and Accessories, Works Equipment

ARMSTRONG WHITWORTH (Stand 74).—The feature of this stand will be the A.W. gun turret, designed for use on aircraft. This turret has 360° of traverse, 20° of elevation, and 5° of depression. It includes a traverse motor, elevating motor, and depression motor, all of which are standard equipment for the R.A.F. and for many foreign Governments, will also be shown at the stand. Mr. Irving of Great Britain, Ltd., Icknield Road, London, N.17.

BLACKBURN (Stand 78).—This exhibit will consist mainly of parts of the Blackburn Shark T.S.R. which is now in production for the R.A.F., and which has recently been supplied in seaplane form to the Portuguese Naval Air Service. The parts are: (a) Front fuselage unit, a monocoque structure of Ablad frames, stiffened and skin sheeting and comprising the engine mounting for the Armstrong Siddeley Tiger VI engine, forward water-tight compartment with oil tank housing and fireproof bulkhead, the two petrol tank compartments (each of which is watertight with the petrol tank in position), and the forward portion of the pilot's cockpit; (b) main petrol tank, of light alloy construction with De Bergue riveted seams and a capacity of 176 gallons; (c) a demonstration model of the hydraulic hitch pin gear originally patented by the Blackburn Company and later developed and produced by the makers of the Lockheed hydraulic braking system. Photographs and models of Blackburn aircraft will complete the display.

BROWN BROTHERS (Stand 8).—This old-established concern holds in production for the R.A.F., and later developed and produced by the makers of the Lockheed hydraulic braking system. Photographs and models of Blackburn aircraft will complete the display.

A feature of this stand will be the automatic slot and an electrical bomb or torpedo release system. The former, which will be demonstrated, is too well known to need description. The electrical release gear has been designed by Mr. B. W. G. Brown and Mr. E. G. Brown, Ltd., Pearman Street, London, S.E.1.

THOS. P. HEADLAND (Stand 30).—These famous aircraft constructors will feature two patented items of equipment: the automatic slot and an electrical bomb or torpedo release system. The former, which will be demonstrated, is too well known to need description. The electrical release gear has been designed by Mr. B. W. G. Brown and Mr. E. G. Brown, Ltd., Pearman Street, London, S.E.1.

HOOPER (Stand 8).—This company manufactures portable electric and pneumatic tools especially designed to suit the needs of the aircraft constructor, and various examples will be shown. The electric ranges include drills with speeds from 400 r.p.m. to 5,000 r.p.m., and with capacities in wood from 3 in. to 3 in., and in steel from 3 in. to 3 in. They include the uniquely useful cordless drill, with speeds of 2,500 to 5,000 r.p.m., and with capacities in wood 3 in. to 3 in. They include also an electric screw gun with a speed of 800 r.p.m. and a capacity of 3 in. to 3 in. to 12 in. This tool is also suitable for metal screw and nut running up to 3 in. and is also suitable for metal screw and nut running up to 2 in. and with speeds up to 12,000 r.p.m. These drills can be supplied with either pistol-grip bodies or straight case bodies with or without handles. Makers: Desoutter Bros., Ltd., The Hyde, Hendon, London, N.W.9.

Slot Demonstrations

HANDLEY PAGE (Stand 65).—These famous aircraft constructors will feature two patented items of equipment: the automatic slot and an electrical bomb or torpedo release system. These will be shown at Hatfield, where the automatic slot is demonstrated. The former, which will be demonstrated, is too well known to need description. The electrical release gear has been designed by Mr. B. W. G. Brown and Mr. E. G. Brown, Ltd., Pearman Street, London, S.E.1.

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