THE INDUSTRY

Tyre Procedure

The latest additional loose leaves for the Dunlop Aeroplane Equipment Manual (Aviation Department, Fort Dunlop, Birmingham) deal with the fitting of tyres to detachable-flange hubs.

Oil and the F.B.I.

For the tenth year in succession Mr. H. Bell Thompson, managing director of Sternal, Ltd., the well-known oil refiners, has been elected to represent the lubricating oil trade of the United Kingdom (Main Group 17) on the Grand Council of the Federation of British Industries.

Forty Years of Bearings

The many intricate processes involved in ball and roller bearing manufacture are described and illustrated in a most interesting fashion in a booklet recently issued by the Heffmann Manufacturing Co., Ltd., Chelmsford, to celebrate their forty years of existence.

Mr. D. B. Mirk

Mr. D. B. Mirk, lately radio manager of Standard Telephones and Cables, Ltd., recently received presentations from his colleagues and the radio-shop employees on resigning in order to become a partner in the firm of Urwick Orr and Partners, Consulting Industrial Engineers, of St. James's Square, London, S.W.1.

"Going Up, Please"

Many a ft-lb. of tedious work must have been swiftly and conveniently dealt with by one or other of the Morse lifts. Several different models of passenger and goods lifts for flats, factories, and warehouses have been installed, not to mention less elaborate hoists, hand or electrically operated, for use to cellars or basements. The firm of Herbert Morris, Ltd., has its works at Loughborough.

The Right Way

A PRaiseworthy policy of exploiting the export trade without neglecting the needs of the Air Ministry, or vice versa, has been consistently pursued by the Williamson Mfg. Co., Ltd., and a photograph received by Flight shows that there is no weakening of that attitude. A large and small lorry, piled high with crates, are seen leaving the Willenden works for the docks. In the crates are over six tons of "Eagle" aircraft cameras.

The Aspin Engine

A REVISED edition of the Aspin rotary-combustion-chamber engine is nearing completion. The flat-four arrangement is preserved and the same cylinder blocks and heads are used. A three-throw crankshaft, however, will replace the original two-throw shaft to eliminate a couple of hubs. An exhaust flange having been redesigned, will make it possible to fit the two magneto-transfers transversely at the rear instead of on top of the case at the forward end, thus bringing the e.g. back or down somewhat.

FOR METALLURGICAL RESEARCH: Sir William Bragg, O.M., D.S.C., F.R.S., famous for his X-ray metallurgical investigations, is the first recipient of the new medal of the Institute of Metals, awarded for outstanding services to non-ferrous metallurgy. The medal, obverse and reverse of which are seen above, was designed by Harold Stabler and made of pure platinum by the Mond Nickel Co., Ltd. A silver reproduction of the goldsmiths' mark, the Goldsmiths' Company, is being presented to the British Museum.

PUBLICATIONS RECEIVED

Cooks Holidays Abroad, 1938. Thos. Cook and Son, Ltd.


The Air Annual of the British Empire, 1938. 2s. 6d. His Grace Pinman and Sons, Ltd.

The Air Almanac: Ephemerides Sheets for 1938, April 1 to July 1: 2s. 6d. H.M. Stationery Office.


Handbook of Aeronautics, Vol. 1, Third edition: 9s. 6d. Sir Isaac Pitman and Sons, Ltd.


Fire Brigade H.Q., Corporation Street, Birmingham, 4.


NEW COMPANIES

In the notes below, for reasons of space, the "objects" of new companies are usually somewhat abbreviated.

AIR SCHOOLS, LTD.—Private company, registered April 7, Capital, 4,000 shares of £1 each. Objects: To carry on business as instructors in aviation, aerial navigation, aerial and ground signalling, dealers in and importers and exporters of aircraft and aircraft engines of all kinds, etc. The permanent directors are: Norman R. Harris, B.F.A. (director of Fallout Manufacturing Co., Ltd.); Air Commodore B. H. Drew, C.M.G., C.V.O., C.B.E. (field director of aviation.) Registered office: 14, New Court, Lincoln's Inn, London, W.C.2.

WITNEY AERODROME, LTD.—Private company, registered April 7. Capital, 5,000 shares of £1 each. Objects: To carry on the business of proprietor of aerodromes, hangars, repairing and petrol filling stations, etc. The permanent directors are: Mr. A. Beattie, C.M.G., The Hythe Craft, Kynose, Eyton R. Taylor 75, High Street, Witney.

DUGOUTS, LTD.—Private company, registered April 7. Capital, 1,000 shares of £1 each. Objects: To carry on the business of manufacturers of dugouts and all concrete products, including shelters against all forms of aerial attack, each. Objects: To carry on the business of manufacturers of dugouts and all concrete products, including shelters against all forms of aerial attack, etc. The first directors are not named. Solicitors: Warren and Warren, 31, Bedford Row, London, W.C.1.

AERONAUTICAL PATENT SPECIFICATIONS.

(The numbers in brackets are those under which the Specifications will be printed and abridged, etc.)

19274. BERKES AERIAL CORPORATION: Method for measuring photoKraraetically the aiming and firing error in firing exercises against moving targets, especially aircraft, and apparatus for carrying out the method (481,830).

32201. CONTRAVES AG: Method for measuring photogrammetrically the aiming and firing error in firing exercises against moving targets, especially aircraft, and apparatus for carrying out the method (481,380).

9971. Smit-Pauw DEWANDRE SOC. ANON: Brake for engines for the successive release of bombs in aircraft (481,694).

17014. Coaching and sightung guns on aircraft and other vehicles (481,694).

25580. BENDIX, LTD.: Brakes (481,594).

26125. JUNKERS FLUGZEUG-UND-MOTORENWERKE AKT.-GES.: Method for measuring photoKraraetically the aiming and firing error in firing exercises against moving targets, especially aircraft, and apparatus for carrying out the method (481,830).

394. FLIGHT.