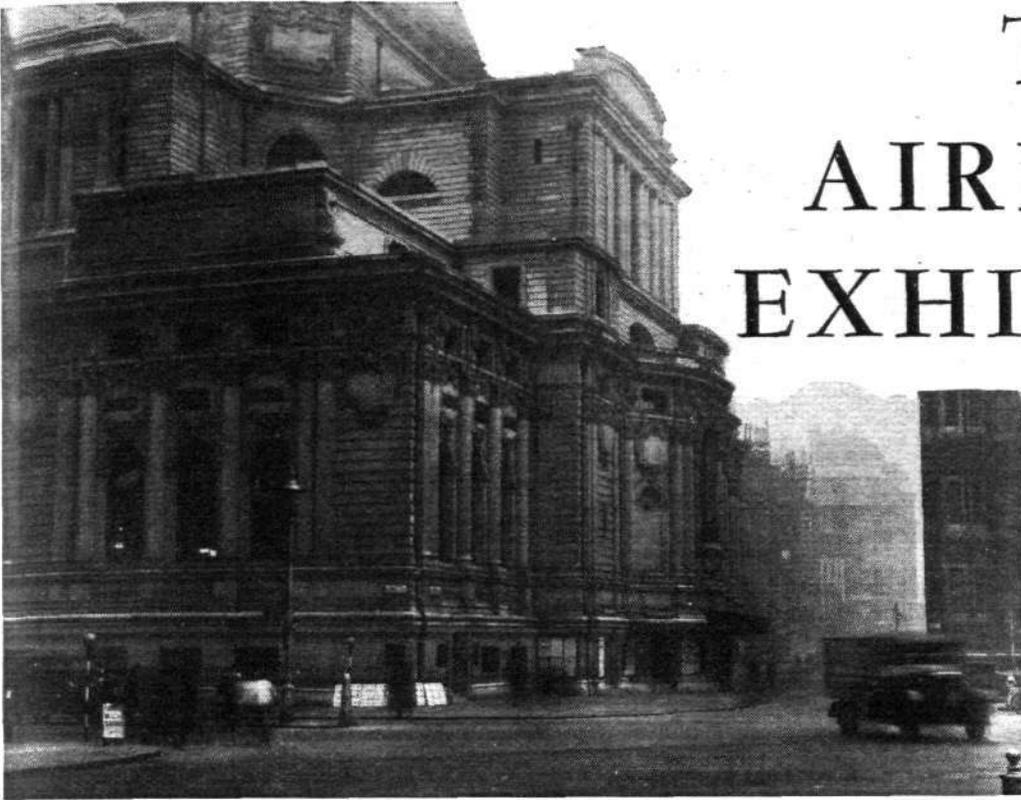


The AIRPORTS EXHIBITION

*A Detailed Guide to
the Exhibits at the
A.O.A. Show Now
in Progress*

The Central Hall,
Westminster.



THE planning, construction and completion of a modern airport, with all its paraphernalia of buildings and equipment, is becoming a very specialised business. The days of a shed, a windsock, a telephone, and a few gallons of petrol are over so far as concerns an aerodrome suitable for regular, or even spasmodic, air traffic, although the need for landing grounds with that simple equipment is as great as ever. This is, of course, particularly so when the ground is used but rarely, and then by small and lightly loaded aircraft, such as are used by the private owner or the air taxi concern.

In connection with the Airports Conference there was opened yesterday, at the Central Hall, Westminster, London, an exhibition of airport equipment at which 54 firms are represented. Their exhibits are detailed in the following pages. It may appear surprising that the products of so many concerns should be employed in connection with airports, their preparation and equipment. Yet the tale does not end there. There are many more firms which manufacture or deal in aerodrome materials or accessories, and the products of fifty-odd companies under this heading are reviewed in a special section (pages 121-124) following this Exhibition guide.

From our review of this branch of the aircraft industry it is obvious that, no matter what is the nature or magnitude of the calls made upon it in the future, the British industry is fully capable of meeting all requirements.

Aerograph Co., Ltd. (Stand 35), Lower Sydenham, London, S.E.26.—"Aerograph De Vilbiss" spray-painting equipment, equipment of special interest to aerodrome owners, includes:—

Type MBC spray gun.—Particularly suitable for aircraft dopes, and claimed to be capable of applying these materials at higher speeds and with greater efficiency than has previously been possible.

Pressure feed tanks enable large quantities of the same kind of material to be sprayed continuously without waste of time and material.

An air transformer is an indispensable item of equipment in any spraying installation as it provides the clean, dry air which is so essential for doping and it also enables the operator to adjust the air pressure at the spraying point.

Portable equipment.—The Aerograph Type P.W.-1 plant is extremely compact and portable, being mounted on two 20in. pneumatic-tyred wheels, yet incorporating a twin-cylinder air compressor of 7 cu. ft. displacement.

Stationary air compressors.—There is a complete range of Aerograph air compressors to suit all requirements; they are renowned for high volumetric efficiency, dependability and long life.

Exhaust fans.—Aerograph direct-coupled propeller exhaust fans are manufactured in many different sizes and incorporate Buxton certified flame-proof motors to comply with all paint shop regulations.

Air Industrial Developments, Ltd. (Stand 10), 62-4, Brook Street, London, W.1, and Shenstone, Staffs.—All types of compressors and spray-painting equipment, both portable and stationary models, may be seen on this stand.

Compressors are manufactured in sizes from 2½ to 100 cu. ft./min. and are of simple and robust design. 15 cu. ft./min. and over are fitted with full pressure-feed lubricating system. All machines of 30 cu. ft./min. and

INDEX : p. 123

over are of the radial two-stage type. A high-pressure water-cooled machine is also manufactured, suitable for working pressures up to 800 lb./sq. in. This is very popular with manufacturers for such duties as testing oleo legs.

Automatic compressor plants.—A range of completely automatic plants with direct mounting on to a horizontal air receiver may be obtained from 2½ cu. ft./min. to 100 cu. ft./min.

Portable compressor plants.—A range of standard units from E.P.1, claimed to be the smallest and lightest plant of its type on the market up to 100 cu. ft./min. diesel-engine-driven units. With the exception of the E.P.1, all models are suitable for working pressures of 100 lb./sq. in. and are supplied with petrol or electric motors. Particular attention is drawn to the T.1.3.

Spray guns and painting equipment.—A complete range of the famous Binks spray guns are exhibited. They are widely used by manufacturers both here and in U.S.A.

Air transformers and filters, paint pressure containers, reducing valves and other equipment for the spray application of paint and aeroplane dope are exhibited.

Ash's Manufacturing Co. (Blackfriars), Ltd. (Stand 38), 60-66, Blackfriars Road, London, S.E.1.—This exhibit will take the form of a display of photographs of works and staff canteen installations.

A comprehensive 100-page sectional catalogue containing data on equipment of all types will be available on the stand, and an expert in canteen planning, etc., will be in attendance. The firm has completed canteen installations in all parts of the country, both in aircraft factories and in many other types of industrial concerns.

B.B. Chemical Co., Ltd. (Stand 30), Ulverscroft Works, Leicester.—Bostik industrial adhesives are a series of water-

resisting compounds which retain a certain amount of resiliency so that they do not dry up or powder. They are used in the aircraft, building and similar industries for all types of work where a durable water-resisting adhesive or sealing compound is required. The principal grades are:—

292, Bostik universal cement, for sealing windows into metal frames and sealing metal frames to masonry so as to produce a completely water-resisting seal. It is used extensively for glazing in aircraft construction.

292C, Bostik cement, for sticking rubber, linoleum, cork, tiles, etc., to concrete and other floors; sticking wallboard and insulation board to various wall surfaces; sticking asbestos sheeting, rubber, etc., to tables, bar counters, etc.

294, Bostik cement, somewhat similar to 292C, but used especially for sticking rubber, etc., to metal surfaces.

15, Bostik cement, a Latex-type adhesive specially designed for application by spray for upholstery work.

161, Bostik cement, a very powerful rubber adhesive, specially designed for upholstery work.

E. P. Barrus Ltd. (Stand 17), 36, Upper Thames Street, London, E.C.4, have a wide range of maintenance equipment and tools displayed on their stand. In a prominent position at the back is a Johnson display board, complete with a low-voltage generating plant. Other equipment includes a new portable Aro aircraft lubricator unit, Bennett petrol pumps, a Holmes metal (solder) spraying unit for filling out indentations and samples of K.W. cylinder graphite lubricant.

There is a range of Mariol Powerlite lanterns which provide a strong focused beam as well as a secondary diffused light. There is also a Unity spotlight displayed on the stand.

An example of the Northhill folding anchor is shown. This type of anchor has been specially designed for craft where weight is of importance.