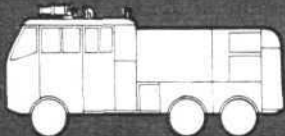




Above, crash/fire tender by Fire Armour Ltd on Thornycroft Nubian chassis. Right, Pyrene-equipped Scammell vehicle in service with Shell of Venezuela. Lower right, light appliance by Alf'd Miles Ltd on a Land-Rover chassis



## PART FIVE EMERGENCY EQUIPMENT (including Protective Clothing, etc.)



### Crash/Fire Equipment

Well known for many years as manufacturers of fire-fighting equipment, **The Pyrene Co Ltd** have closely studied airport requirements. One of the largest and most powerful crash/fire tenders in their range is the Mk VI, on an Alvis Salamander 6 x 6 chassis powered by a Rolls-Royce B.81 engine. At the other end of the range are small tenders carrying foam and dry-chemical equipment, and there is also a range of extinguishers of hand and trolley-mounted types.

**Fire Armour Ltd** offer four basic types of appliance: Thornycroft Nubian, six-wheel drive, Rolls-Royce B.81 engine; Thornycroft four-wheel drive, Rolls-Royce B.80; Bedford R-type, four-wheel drive; and Land-Rover 109in-wheelbase chassis, four-wheel drive. These vehicles can be equipped to carry foam, CO<sub>2</sub> and dry chemicals in various combinations and quantities, and high-pressure pumps for "Waterfog," a finely divided spray, can also be fitted.

**Scammell Lorries Ltd**, a member of the Leyland Group, offer a fire-fighting vehicle

based on their Constructor chassis. Powered by a 210 h.p. diesel engine, it incorporates two more diesels driving four fire pumps.

**Alf'd Miles Ltd** utilize the standard Land-Rover short-wheelbase four-wheel-drive chassis for their B-type appliance, equipped with a Coventry-Climax 300 gal/min pump, which can be remotely controlled.

Other suppliers of complete appliances include **Dennis Bros Ltd**, **F. L. Douglas (Equipment) Ltd**, **General Fire Appliance Co Ltd**, **Merryweather & Sons Ltd**, **Sun Engineering (Richmond) Ltd**, and **Red Devon Ltd**. **R. J. Searle Ltd** supply Land-Rovers equipped for fire-fighting duties.

For airports with areas of water on or near their boundaries, the **R.F.D. Co Ltd** supply the Zodiac high-speed inflatable boat, which, carrying a fire-pump and crew, can quickly be towed on a trailer to a convenient point and launched; inflatable rafts can be carried to give additional rescue capacity.

The mobile floodlighting equipment made by **Harley Aircraft Landing Lamps** can provide valuable assistance at the scene of a crash after dark.

### Runway Clearance

"Tracjacks" for the quick removal of crashed aircraft are made by **Skyhi Ltd**, and most of the manufacturers of cranes list models suitable for runway clearance; these include **Anderston Clyde Engineers Ltd**, **K. & L. Steelfounders & Engineers Ltd** (makers of the Jones cranes) and **Steel & Co Ltd** (Coles cranes). **John Curran Ltd** manufacture a 60-ton mobile crane specially designed for the salvage of aircraft in the 150-ton class, together with other items of clearance equip-



ment. Another practical method of raising aircraft is the use of the pneumatic lifting bags made by the **R.F.D. Co Ltd**.

### Protective Clothing

Makers of protective clothing—some of it for emergency use, some to give protection against deleterious industrial processes—include **Siebe, Gorman & Co Ltd**, **Baxter, Woodhouse & Taylor Ltd**, **Bell's Asbestos & Engineering Ltd** and **P. Frankenstein & Sons (Manchester) Ltd**.

The **R.F.D. Co Ltd** manufactures anti-kerosine clothing for refuelling crews.

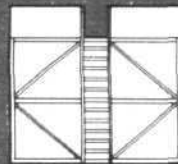
Sonex ear defenders, giving an attenuation of 15-3db, are made by **Amplivox Ltd** and are in use at LAP and other airports. Headsets incorporating ear defender fittings are also part of the Amplivox range of this type of equipment. Other manufacturers of hearing-defence equipment include **Airmed Ltd**, **The Anticooustic Co** and **Siebe, Gorman & Co Ltd**.

Breathing apparatus may fittingly be included in this section, and among its manufacturers are **Siebe, Gorman & Co Ltd** and **Normalair Ltd**. The **Walter Kidde Co Ltd** supply oxygen resuscitation sets.

Apart from general-duty work, the **Jones 10-10 crane** is designed for aircraft salvage duties; used with sheer-legs and a special hoist block, it can lift a 45,000lb aircraft to enable bogies or a new undercarriage to be placed under it



## PART SIX MAINTENANCE EQUIPMENT



### Access Equipment

**Anderston Cyde Engineers Ltd** make a variety of access equipment under the names "Move-on" and "Spaceman." The former are simple mobile platforms, in three models with maximum working heights of 4ft 6in, 16ft and 20ft, which the operator is able to propel by means of a handle on the platform. The latter, in four models giving maximum heights from 15ft to 34ft, is hydraulically operated (plus electrical power if required) and is of a particularly compact nature when in the retracted position.

Another well-known type of adjustable

work-platform is the hydraulic "Giraffe," by **Access Equipment Ltd**, in models giving heights of up to 42ft; the same firm also offer the scissors-type "Safety Raiser" and "Zip-up" light-alloy staging, which can be erected to heights of 100ft or more without the use of bolts, nuts or assembly tools.

**Mercury Airfield Equipment Ltd** provide an electro-hydraulically operated equipment whereby up to three men can be elevated on a 6ft x 3ft platform through a height-range of 7ft 6in to 45ft. At heights below 20ft it will form a horizontal cantilevered platform reaching 20ft over an aircraft,