demands for this type of service in Canada and with large commitments, particularly the large scale manufacture of R-Theta computers for the RCAF.

The Group's aviation coast-to-coast supply business carried out through Field Aviation Co., Ltd., at Oshawa Airport, has built up to a $1,500,000 volume. Other Field Aviation activities such as inhibiting of RCAF aircraft, repair & overhaul of service and business aircraft, and the sales of such aircraft as the Percival Provost jet trainer and Beech executive air transports will continue.

## No Orenda Lay-Off

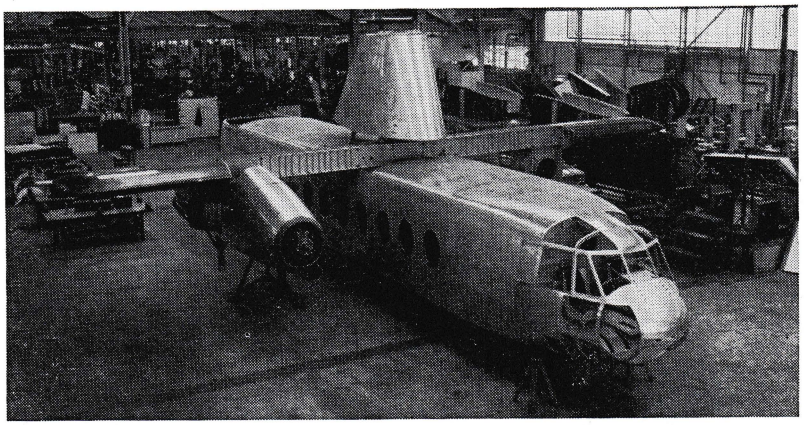
The recent German order for Canadian-built Sabre 6's saved Orenda Engines Ltd., from lay-off of 350 people which had been planned as a result of a reduction in the schedule of engine deliveries. In an effort to minimize the effects of their production decrease, the company had increased the schedules of the sheet metal and repair and overhaul work. With the announcement of the new order worth some $30,000,000 to the engine company, these steps were no longer necessary, and employment is back to normal.

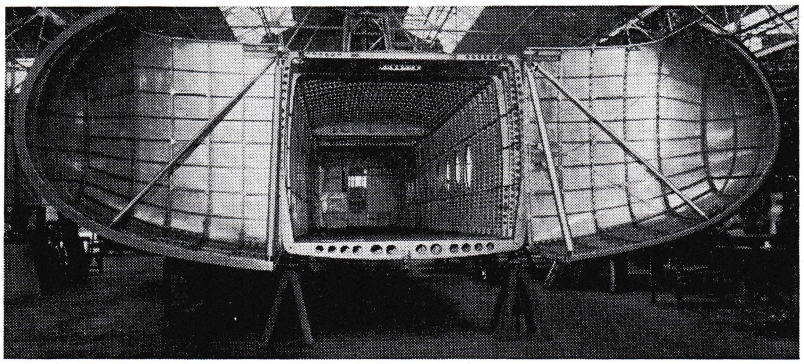
According to a report from Canadair, no employees had been laid off prior to the German contract, and no major changes of personnel are anticipated in the near future. Production of the 225 Sabre 6's will continue on schedule, without increasing staff levels.

## New Alloy

A new high temperature nickel alloy which is expected to find wide use in highly stressed parts of jet engine combustion systems was announced last month by The International Nickel Co. Inc., a subsidiary of the International Nickel Co. of Canada Ltd. It is also possible that the new material, which will be marketed under the trademark Incoloy "T", will find future application in airframe parts of aircraft to be used for hypersonic speeds encountered in the region of the thermal barrier.

Incoloy "T" titanium - containing nickel-iron-chromium alloy is produced as a strong sheet material designed to operate at temperatures up to 1400° F.





ROTODYNE PROGRESSES: Rapid progress is being made on the construction of the prototype Fairey Rotodyne. The Rotodyne is a twin-engined helicopter powered by two Napier Eland turbine engines and is capable of carrying a payload of 10,000 lbs. or 40 passengers over stages up to 400 miles, at overall speeds and costs said to be comparable to those of fixed wing aircraft. Normal all-up weight is 39,000 lbs.

## Contracts Awarded

Contractors awarded business in excess of $10,000 by the Department of Defence Production during the period November 16 — December 15, 1956, include the following. The list does not include orders placed by the Department outside Canada, or with other agencies, or increases in orders placed earlier — nor do orders classified as secret appear here.

(Names appearing in bold face are current *Aircraft* advertisers.)

Bourne & Weir Ltd., Vancouver, $60,000, for re-treading of aircraft tires during year ending March 31/58.

S. F. Bowser Co., Ltd., Ottawa, $28,677, for aerodrome maintenance equipment.

**Canadian Pratt & Whitney Aircraft Co. Ltd.,** Longueuil, Que., $44,327, for technical publications.

**Canadian Pratt & Whitney Aircraft Co. Ltd.,** Longueuil, Que., $20,000, for repair and overhaul of aero engines and engine components during year ending March 31/57.

**Canadian Pratt & Whitney Aircraft Co. Ltd.,** Longueuil, Que., $25,000, for repair and overhaul of propellers and auxiliary equipment during year ending March 31/57.

Canadian Westinghouse Co. Ltd., Hamilton, Ont., $119,900, for aircraft navigational equipment.

**De Havilland Aircraft of Canada Ltd.,** Toronto, $44,900, for research contract.

**De Havilland Aircraft of Canada Ltd.,** Toronto, $150,000, for repair and overhaul of aero engines and engine components during year ending March 31/57.

**De Havilland Aircraft of Canada Ltd.,** Toronto, $15,652, for aircraft modification kits.

**Firey Aviation Co. of Canada Ltd.,** Eastern Passage, N.S., $18,068, for aircraft spares.

**Hancock Tire Tread Ltd.,** Toronto, $70,000, for retreading of aircraft tires during year ending March 31/58.

Irvin Air Chute Ltd., Fort Erie, Ont., $14,805, for modification of parachutes.

Mathews Conveyor Co. Ltd., Port Hope, Ont., $22,765, for aircraft servicing equipment.

Northern Electric Co. Ltd., Ottawa, $11,977, for aircraft electrical equipment.

**Sperry Gyroscope Co. of Canada Ltd.,** Montreal, $17,324, for radar equipment.

Stanley Manufacturing Co. Ltd., Toronto, $20,212, for aircraft navigational equipment.

X-Ray & Radium Industries Ltd., Toronto, $15,000, for repainting and refinishing of instrument dials during year ending March 31/58.

Aeroquip (Canada) Ltd., Toronto, $16,245, for aircraft spares.

Aircraft-Marine Products of Canada Ltd., Toronto, $14,741, for aircraft electrical equipment.

**Aviation Electric Ltd.,** Montreal, $361,883, for spares for aircraft instruments.

**Aviquipo of Canada Ltd.,** Montreal, $81,964, for aircraft spares.

**Avro Aircraft Ltd.,** Toronto, $1,331,000, for airframe spares during year ending March 31/57.

**Bristol Aircraft (Western) Ltd.,** Winnipeg, $43,750, for technical publications.

**Bristol Aircraft (Western) Ltd.,** Winnipeg, $62,640, for aircraft modification kits.

**Canadair Ltd.,** Montreal, $50,000, for airframe spares.

**Canadian Car & Foundry Co. Ltd.,** Montreal, $33,802, for technical publications.

**De Havilland Aircraft of Canada Ltd.,** Toronto, $40,000, for repair & overhaul of aero engine spares during year ending March 31/57.

Godfrey Engineering Co. Ltd., Montreal, $332,000, for repair and overhaul of cabin super-chargers, aircraft cooling material and AiResearch materiel during period ending