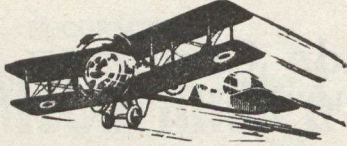


AERONAUTICAL SECTION



A department devoted particularly to the application of aerial methods in forest conservation and generally to the promotion of sane civil aviation in Canada.

A Vickers "Viking" Aeroplane for Canada

Laurentide Air Service Will Employ This Modern Machine in Ontario Government Forestry Work

By GEORGE A. MACKIE

A DEVELOPMENT of very great interest to Aviation and Forestry in Canada is due to occur about the time this article appears in print. This is the prospective arrival in Canada of one of the world's most famous Aeroplane types, namely the—Vickers "Viking" Amphibian Machine, which has been purchased by the Laurentide Air Service Company through Mr. R. S. Griffith, 225 Beaver Hall Hill, Montreal, representative of Messrs. Vickers Limited, London, England. This justly famed heavier-than-air machine, a picture of which appears in the Company's announcement in this issue, has a record of performance equalled by none of its type in the world; it will be remembered by Aviation enthusiasts that this type of machine won the first prize of ten thousand pounds (£10,000.) in the British Air Ministry test September 1921. The enterprise of the Laurentide Air Service in contracting for this very modern and expensive machine is worthy of the admiration of all Canadians who desire to see Aviation given a fair trial under the most favorable circumstances possible, to demonstrate what it can accomplish with respect to its relation to Forestry reconnaissance, survey and transport work. In this connection it may be noted that the Laurentide Air Service have recently announced that they purchased this machine as one of a number of this or similar types, which they propose to use in their recently organized business enterprise. The first machine, at the time of writing, was in mid-ocean, having been shipped on the S. S. Verentia about May 15th. It is expected that the machine will be in commission on or before June 15th.

Ontario Government Work

The work upon which it will be engaged is on behalf of the Ontario Department of Lands and Forests, and it will be operated from Remi Lake, Ontario Station of the Laurentide Air Service, under the supervision of Capt. W. R. Maxwell, whose recent flights into the Hudson Bay district, as previously recorded in this Magazine, furnished him with the experience necessary to undertake such an important operation as this promises to be. Capt. Maxwell has flown to James Bay on six occasions, five by flying boat and once by an Avro on skis. It is understood that the Ontario Department of Lands and Forests, which is administered by Hon. Beniah Bowman as

Minister and Walter C. Cain as Deputy Minister, contemplate making a detailed inventory of the Forest resources of the Province by means of this most modern method of Forest survey. Mr. Zavitz, the Provincial Forester has carefully studied aircraft operations and will be responsible for the work done through Mr. C. H. Johnson who has had previous experience in this new work. Mr. Griffith, the Vickers' representative in Canada, has extended every co-operation to the Laurentide Air Service, with the object of supplying the most suitable type of machine for the various functions which it is expected to fulfil.

Specifications of "Viking"

The Vickers "Viking" Amphibian is a boat seaplane of the biplane pusher type. Its amphibious character is obtained by fitting the hull with two landing wheels, which can be drawn up clear of the water line by the pilot when the machine is required to alight on the water or let down for landing on the ground. The principal dimensions and other data are as follows:—

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| Length overall..... | 33 ft. 6 ins. |
| Height overall (on wheels)..... | 15 ft. |
| Wing span (both planes)..... | 46 ft. |
| Chord (both planes)..... | 6 ft. 2 ins. |
| Gap (at root)..... | 7 ft. 6½ ins. |
| Wing area (including ailerons and centre section.....) | 520 sq. ft. |
| Area of ailerons (each)..... | 23 sq. ft. |
| Area of tail plane..... | 37 sq. ft. |
| Area of elevators..... | 22 sq. ft. |
| Area of fins..... | 7.15 sq. ft. |
| Area of rudders (including balance)..... | 13.95 sq. ft. |
| Petrol capacity..... | 80½ gallons. |
| Oil capacity..... | 7 gallons. |
| Water capacity..... | 11 gallons. |
| Weight empty (but with water in radiator)..... | 3,628 lb |
| Weight full (certificate of airworthiness load)..... | 4,900 lb |