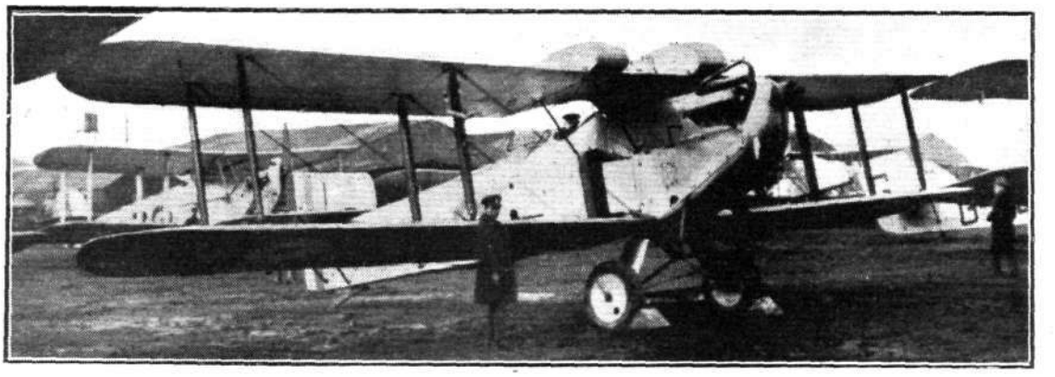
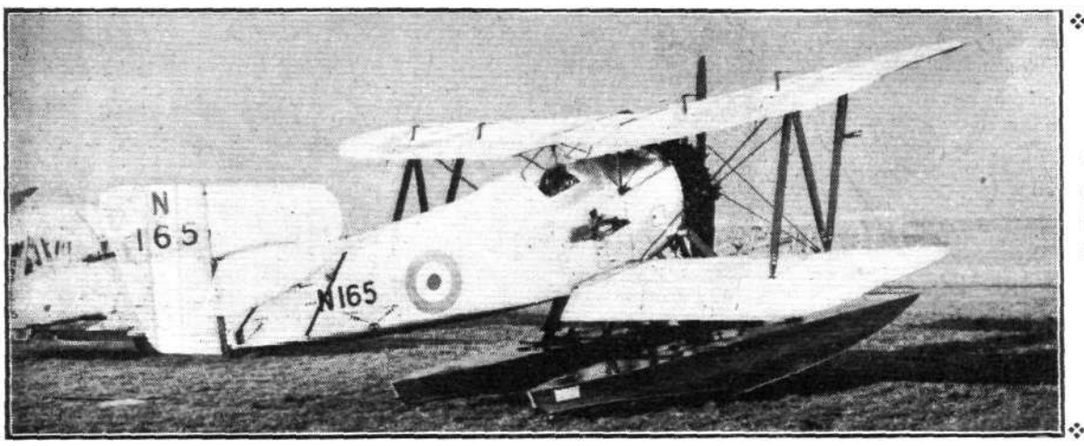


The Fairey "Fawn" two-seater long reconnaissance machine, Napier "Lion" engine.



Fairey "Flycatcher" amphibian, 350 h.p. Siddeley "Jaguar" engine.

III-D, as indeed of all Fairey machines, is the variable camber gear, which allows even heavily loaded machines to alight slowly. This gear is in the form of hinged trailing edge flaps, which can be raised and lowered by the pilot. When fully down they have the effect of increasing the camber and angle of incidence, and when raised they lie in continuation of the wing section, this position being, of course, used for high speed. The flaps are so arranged that while capable of being operated as a variable camber device, they still retain their differential action as ailerons.

Of other Fairey types mention may be made of the "Fawn," a two-seater long reconnaissance machine with Napier "Lion" engine, Particulars may not be published, but a photograph is given herewith. The same applies to the Fairey "Flycatcher," a single-seater ship fighter, fitted either with 400 h.p. Bristol "Jupiter" or 360 h.p. Armstrong-Siddeley "Jaguar" engine. Having to alight on the deck of a ship, the "Flycatcher" has its wings at a large angle of incidence, and further to increase the angle the tail is cocked up, as shown in the photographs, so that with the camber flaps right down and the tail touching, the wings are at a very large angle. The "Flycatcher" is made in three types: as a land machine, as a twin float seaplane, and as a twin-float amphibian. In the latter form the wheels are partly built into the floats, in the region of the step, and the pilot has no special undercarriage gear to attend to. He cannot, therefore, accidentally alight on the sea with his wheels down, or on an aerodrome with the wheels up. As the wheels are quite inconspicuous, it looks rather strange to see one of these machines alight on an aerodrome.

Finally brief mention may be made of the huge four-engined flying boat, the "Atalanta," which is fitted with four Rolls-Royce "Condor" engines of 700 h.p. each. This is probably the largest and most powerful flying boat in the world, and has recently passed its tests successfully. One of our photographs shows this machine in flight. Beyond stating that the "Atalanta" is a six-seater open sea reconnaissance flying boat, no particulars may be published.

THE GLOUCESTERSHIRE AIRCRAFT COMPANY, LTD.

SINCE the formation of this firm in 1920 a number of types have been produced, and it is a well-known fact that Mr. Folland, chief designer to the Gloucestershire Aircraft Company, has for years made a speciality of high-speed aeroplanes. About the pure racing machines we shall speak under the Civil Aircraft section of this article; of military types also a considerable number have been produced. The "Mars II" is a single-seater fighter, developed from the British Nieuport "Nighthawk" designed by Mr. Folland

The Gloucestershire "Grebe" single-seater fighter, with Siddeley "Jaguar" engine.