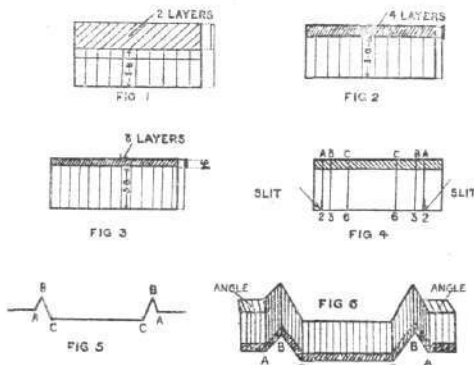


**MODELS.
PAPER GLIDERS.**

[1007] It may be of interest to the readers of your excellent paper, **FLIGHT**, to be able to make a paper glider that will go a long way from a slight height with no other power than gravity.

To construct the glider, you must procure a common piece of exercise paper of thin quality; it should measure about 20.5 cm. by 16.5 cm. Take the roughest long side and bend it over, so as to be 5.6 cm. from the other long edge (Fig. 1). Double this again, and make four layers (Fig. 2), and again, making eight in all (Fig. 3).

You now have your paper with a weight on it in front; the width should be about 1.5 cm., and its thickness should be as thin as possible. Now mark points on it 2 cm., 3 cm., and 6 cm. from



each short end, then draw lines through the points at right angles to the long edge (Fig. 4). Now cut a slit along each of the lines, A (Fig. 4), 1 cm. long, then bend the lines, A, B, and C, in the following manner: A inwards, B outwards, and C inwards (Fig. 5).

Your glider is nearly done; but you must have some angles turned up at the back of the glider to prevent the weight from dropping straight down, so turn up the ends where the slit is (Fig. 6).

To start it, hold it with the weight in front between the thumb and first finger, the back of the glider also being in between the thumb and finger. Send it forward, and leave go; it will go on sailing, falling about 1 in 3 1/2.

If it turns to the left, it may be because the left angle is stronger than the angle on the right side, so forming extra resistance to the left side. There are other reasons which will be found out by practice.

Before closing, I must say that **FLIGHT** is a paper which has been a long-felt want. Wishing you every success with it,
Maidenhead. RUPERT E. NEVE.

MODEL FARMAN.

[1008] I have only made one model aeroplane, and that is a Farman biplane with the biplane tail. I cannot get this model to fly. The elastic motors which I have tried have not given enough revolutions, and I therefore ask some reader to give me a description of a motor which would fly this model. It is 3 ft. 5 ins. long, 2 ft. 8 1/2 ins. wide. The area of the main planes is 422 1/2 sq. ins.
Ormskirk. F. HUNTER.

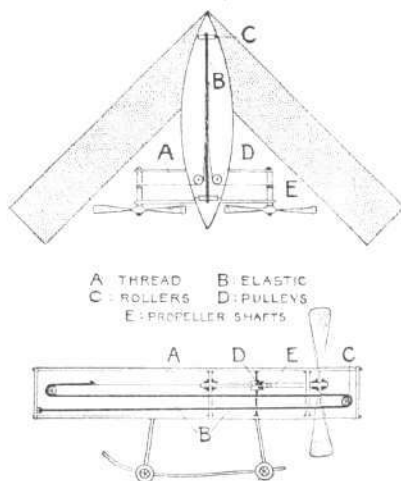
MODEL ANTOINETTE DRAWINGS.

[1009] I notice in a back number that N. S. Barker (Bury) (787) asks for drawings of a model Antoinette. I can recommend him to send to Home Handicrafts, Farringdon Street, London, E.C., for Nos. 118, 119, 120, 121, of their paper "Home Handicrafts," post free 8d., which contains very clear instructions and illustrations.
Chewton Mendip. J. A. S. FLYNN.

A NEW TYPE OF ELASTIC MOTOR.

[1010] I am pleased to see that someone has constructed a model of the Dunne aeroplane. For some time I have contemplated doing so myself, but as yet have found no time. The following is the idea I had for the construction of the motor: A piece of stout elastic is fastened at the forward end of the body and brought round a small hard wood roller at the rear end. To the free end of the elastic two pieces of strong thread of equal length are secured.

These pass over another little roller in the front part of the machine, and then, separating right and left, pass through two small pulleys to the propeller-shafts, to which they are fastened. When the pro-

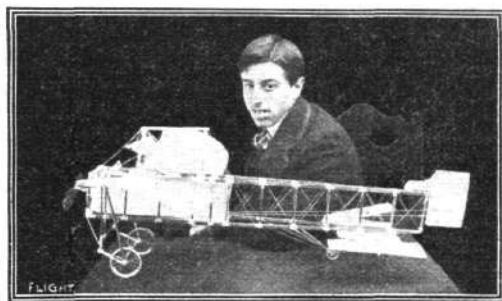


pellers are wound up, the thread is coiled round the propeller-shafts, thus stretching the elastic. This type of motor has the advantage of ensuring the same power and revolutions to each propeller, and to a great extent overcomes the limitations imposed by the short body of the machine. The accompanying sketches show the general arrangement quite clearly.

Glasgow. "BUTRE."

MODEL BLÉRIOT.

[1011] I have pleasure in enclosing photographs of a model Blériot which I have just completed. It measures 3 ft. 6 ins. across main plane, and 2 ft. 6 ins. in length. The main plane has a



chord of 9 ins. It is fitted with a model 7-cyl. Gnome motor and an 11 in. Gamage propeller. I am about to get a motor for it, and feel sure I shall have some good results.

The model took four days to complete.
Hornsey. SYDNEY A. MALVISI.

A CLAPHAM MODEL CLUB.

[1012] If you will insert the following in **FLIGHT** we shall feel greatly obliged.

A model aeroplane club is now being formed in Clapham, and any persons living in or near the district, who would like to become members, please communicate immediately (by letter only) as it is hoped to start the club on January 1st, 1911. The club will have a large workshop, where members will be able to keep their materials and make their models. This workshop will be situated within five or ten minutes' walk from "The Plough," and will be open for the use of members at any time of the day and evening.

The club will buy materials in large quantities and will resell at slightly under outside prices, to members only. Both entrance and