

N^o 7668



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COMPLETE SPECIFICATION.

Improvements relating to Kites.

We, the Firm of DR. BOES AND COMPANY, Dealers in Toy Flying Machines, and WILHELM RODE, Merchant, both of 20, Linkstrasse, Berlin, Germany, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The subject matter of the present invention is a kite or airship primarily intended for sport or recreation, but which may also serve for purposes of science or investigation, in which a central body, preferably of the hollow, cylindrical or cigar-shaped type (or polygonal in cross section) is provided with supporting wings so arranged that their plane or planes are parallel to the longitudinal axis of the central body, or nearly so.

The simplest form is that in which the wings and the central axis are all in one plane.

Such a form is shown in the accompanying drawings,

Figure 1 being a side elevation, and

Figure 2 a plan of this particular form of the invention.

The hollow body *a* is made of paper or other suitable light material stretched over a framework preferably of bamboo or other light wood in the form of a hexagonal prism, and brought to a point at each end so as to bear a general resemblance to an air-ship. The supporting wings *b, b, b, b*, also formed of similar light material stretched over a framework, are rigidly secured to the central framework so as to lie symmetrically in one plane level with the central axis.

In order to give the device the appearance of an air-ship the same may be provided at the rear of the central framework with an imitation fan propeller *d* and a rudder *f*, also with suspended cars. The propeller by its resistance to the air fulfils in some measure the function of the tail of a kite.

The manipulation of the toy will be somewhat similar to that of an ordinary kite. A loop of string *c* being hung loosely from end to end of the central body and the hauling string attached thereto at the proper point, the machine is held head to the wind with a sufficient upward tilt so that when allowed to float it will be kept in that position by the string and be supported by the upward component of the wind's force. In another arrangement the wings are attached to the main framework above the level of the central axis, and in either case the wings may, if preferred, be set with their planes at an angle to each other instead of being level.

The wings may also be set with a forward, upward tilt so as to allow the body of the machine to float in a more horizontal position.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A kite formed with supporting wings projecting from the sides of a hollow body.

2. A particular form of kite as claimed in Claim 1, so characterised that the

[Price 8d.]



Improvements relating to Kites.

supporting wings and the main axis of the central body are all approximately in one and the same plane.

3. A particular form of kite as claimed in Claim 1, so characterised that the supporting wings are approximately in one plane and the main axis of the central body in another parallel to it.

4. A particular form of kite as claimed in Claim 1, so characterised that the wings of each pair incline upwards at an angle to each other.

5. A particular form of kite as claimed in Claim 1, so characterised that the wings are tilted upwards at an angle to the axis.

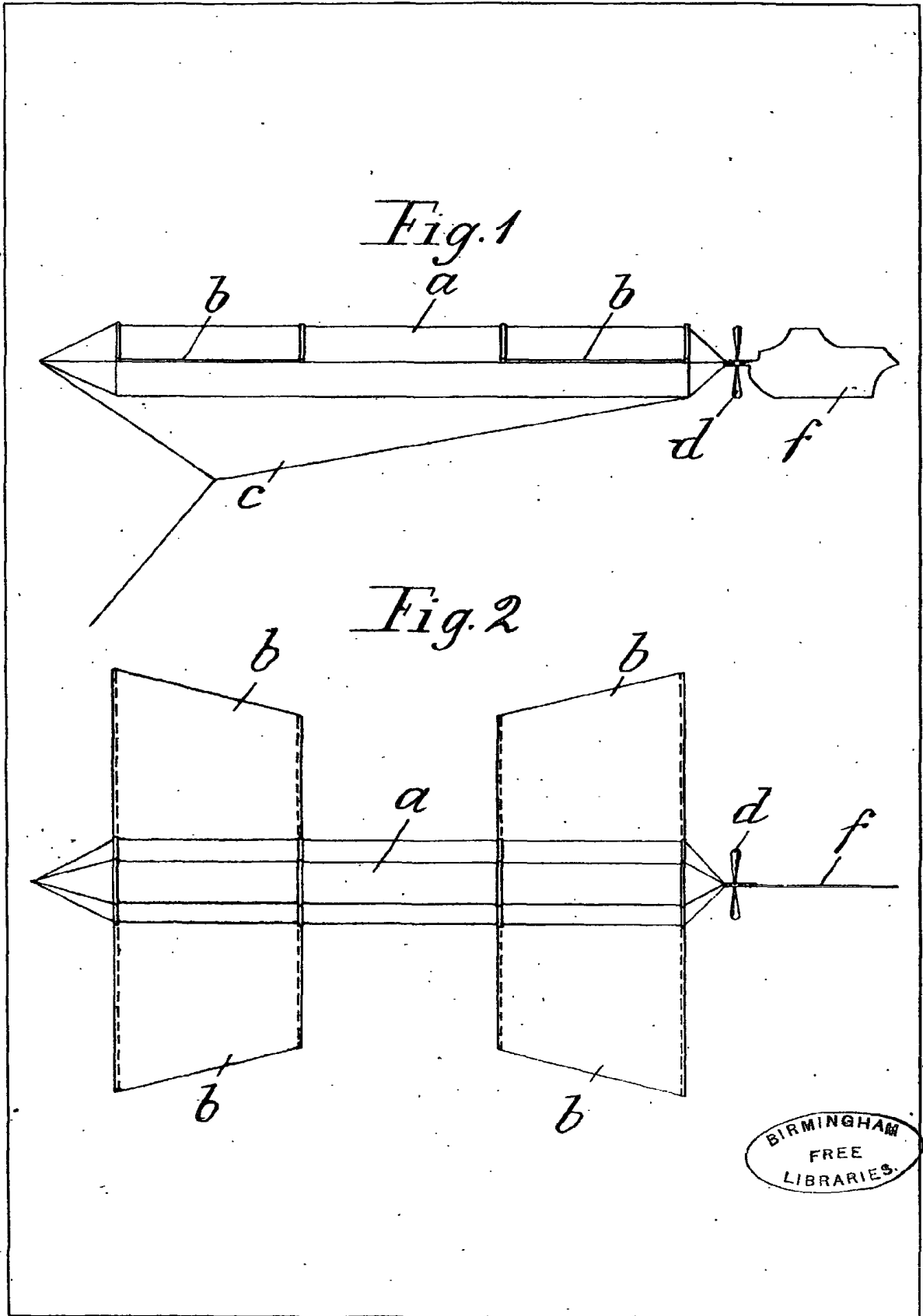
6. A kite consisting of a hollow central body having the general form of a dirigible air-ship with supporting wings at its sides and bearing at one end of its axis an imitation propeller, which is not connected to any driving gear but serves the same purpose as the ordinary tail of a kite.

Dated this 29th day of March, 1910.

DR. BOES & COMPANY.
WILHELM RODE.

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[This Drawing is a reproduction of the Original on a reduced scale.]



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