

N° 12,231



A.D. 1909

(Under International Convention.)

Date claimed for Patent under Patents and Designs Act, 1907, being date of first Foreign Application (in France), } 5th Aug., 1908

Date of Application (in the United Kingdom), 24th May, 1909.

At the expiration of twelve months from the date of the first Foreign Application, the provision of Section 91 (3) (a) of the Patents and Designs Act, 1907, as to inspection of Specification, became operative

Accepted, 20th Jan., 1910

COMPLETE SPECIFICATION.

"Improvements in or relating to Kites for use in connection with Shooting, or for other purposes."

I, HENRI PEUVOT, of 40, rue Brunel, Paris, France, Engineer, 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:—

5 This invention relates to kites of the kind which are adapted to be folded for transport and have the form of a soaring bird when opened. Kites of other forms have been proposed which are provided with wind boxes or cells of triangular section beneath the main surface of the kite.

10 The kite according to the present invention comprises in combination a main surface having the outline of a soaring bird, a cellular system of triangular section disposed in the vertical axis of the said main surface, and a single connecting rod contained in the angles of the said cellular system furthest away from the main surface, for attaching the cord, this arrangement having special advantages from the point of view of good flight.

15 Other features of the invention will be apparent from the following description taken in conjunction with the accompanying drawings, in which

Figure 1 is a plan.

Figure 2 is an end elevation.

Figure 3 is a perspective view showing the kite in a flying position.

20 The above mentioned improvements consist in the first place in making the kites, on the one hand of a main surface *a* cut out practically in accordance with the outline in plan of a soaring bird, and provided with stretching devices, and on the other hand by means of a flexible cellular system *b*, which, in the present example, is assumed to consist of triangular prisms of which the said surface *a* constitutes one of the faces.

25 The above mentioned improvements consist, moreover, in the arrangement of the framings which comprise in accordance with this invention and as shown in the example illustrated, a longitudinal rod *c* connecting the bottom edge of

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Improvements in Kites for use in connection with Shooting, or for other purposes.

the front cell *b* to the bottom edge of the back cell *b*; a longitudinal rod *d* stiffening the surface *a* along its central line; two longitudinal rods *e* connecting together the upper ribs of the cells *b*; a cross-rod *f* bracing the head; a transverse rod *g* bracing the tail; two rods *h* passing along the edge of the wings of their front portion; a rod *h*¹ bracing the rods *h* near their foot, and two rods *i* stiffening the wings transversely by resting on the end of the latter, and on their back portion in the manner shown in the drawing. 5

The rods *c* *d* and *e* and *i* are preferably made of bamboo, while the other ones are preferably of light steel.

All the rods are, moreover, advantageously made removable or detachable for facility of transport, and this has been assumed in the example illustrated in which in fact the rods are held merely by sockets secured to the said surface by means of an eye or opening made in a lug forming their extension, and surround either two ends of the said rods, (as is the case for the rods *c* *d* *e* and *i*) or one of the ends only (as is the case with the other rods, the second end of which is also secured by means of an eye made in a lug continuing it to the same surface *a*). 10 15

In these conditions, in order to take the apparatus to pieces, it is only necessary to release the rods *f*, *g* and *h* successively from their sockets; to release the two rods *i* completely, by removing them from the two sockets corresponding to each of them; to release from their socket, by bending them still more, both the rods *h* which become straightened as soon as they are released, and to release completely, by removing them from their two sockets, the remaining rods; after that, the whole of the surface *a* and of the cells *b* can be wound round the rod *d*, and the rods *c*, *e* and *i* previously arranged by the aid of the said rod *d*. The erecting is effected of course just as simply, by operating in the reverse manner. 20 25

The whole is preferably completed by rings *f* enabling the rods *e* and *i* to be connected, if desired, as shown in the drawing.

For shooting on a plain the kites are used as follows:—

The apparatus are moved comparatively near the ground, whereupon the animals will hide in their lairs, being frightened. For shooting at sea, the cord of the said apparatus should be pulled at regular intervals so as to cause movement of the wings, whereupon the gulls or other birds will approach it owing to curiosity. The said application will, therefore, give very good results in both cases under consideration. 30 35

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

1. A kite comprising in combination a main surface having the outline of a soaring bird, a cellular system of triangular section disposed in the vertical axis of the said main surface, and a single connecting rod contained in the angles of the said cellular system furthest away from the main surface, for attaching the cord, this arrangement having special advantages from the point of view of good flight. 40 45

2. A kite as set forth in Claim 1, the rods of which forming the framework are removably connected with the surfaces of the kite, for the purpose of adapting the kite to be taken to pieces and rolled up about itself.

3. A kite as set forth in Claim 1, having surfaces of supple material, combined with longitudinal rods and having flexible rods arranged along the wings said last mentioned rods being pivoted with their feet to some of the first mentioned rods and removably connected at their ends to the edge of the wings, cross-rods being mounted in a similar manner, and oblique and intersecting removable rods forming braces for the wings, for the purpose of adapting the kite to be taken to pieces and rolled up about itself. 50 55

Improvements in Kites for use in connection with Shooting, or for other purposes.

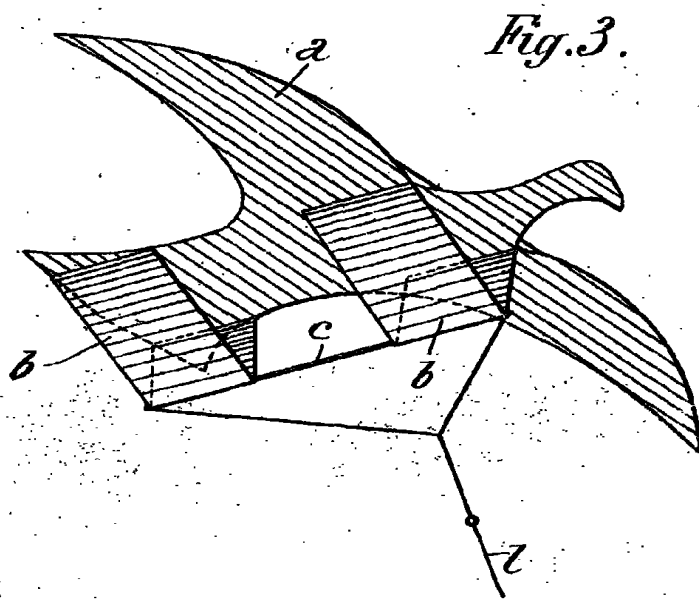
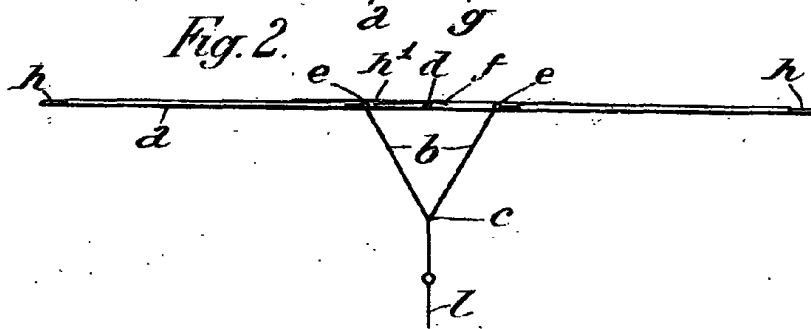
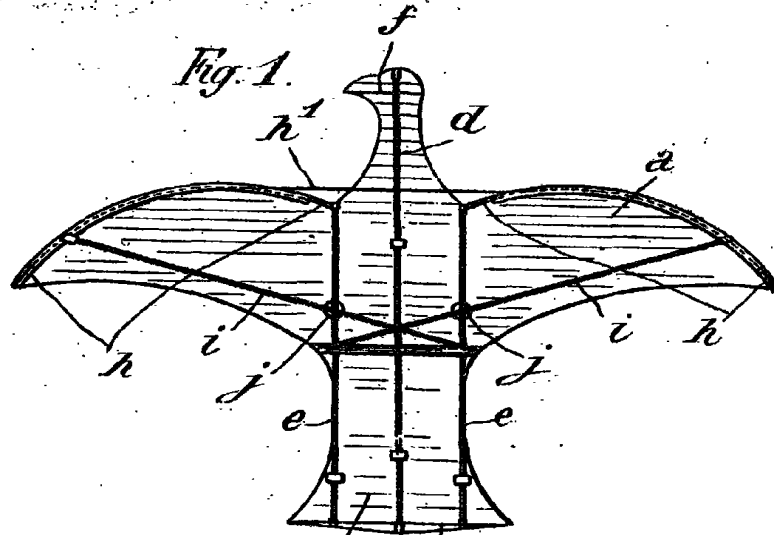
4. A kite as set forth in Claims 1 to 3, in which some of the longitudinal rods such as *e*, and oblique rods such as *i*, are combined with rings rendering the whole structure more rigid.

5. A kite substantially as described or illustrated in the accompanying drawings.

Dated this 24th day of May, 1909.

BOULT, WADE & TENNANT,
111 & 112, Hatton Garden, London, E.C.,
Chartered Patent Agents.

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



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