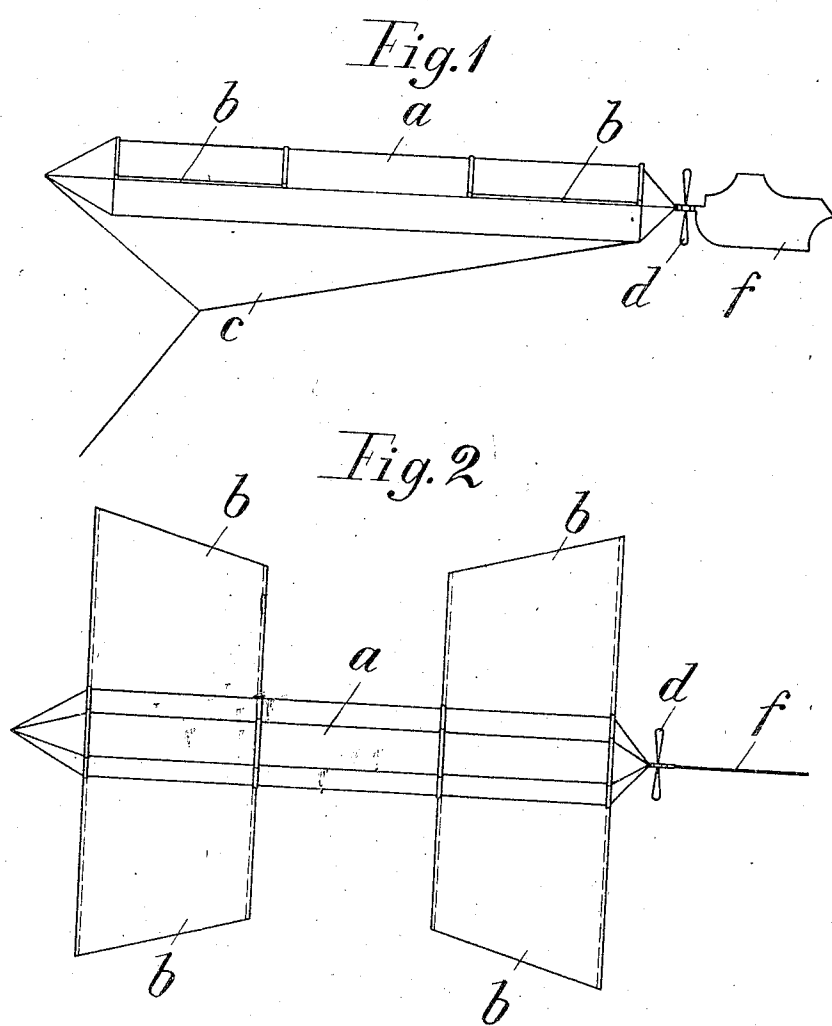


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W. RODE.
KITE.
APPLICATION FILED JUNE 7, 1909.

Patented Oct. 11, 1910.
2 SHEETS-SHEET 1.



Witnesses
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Fig. 3

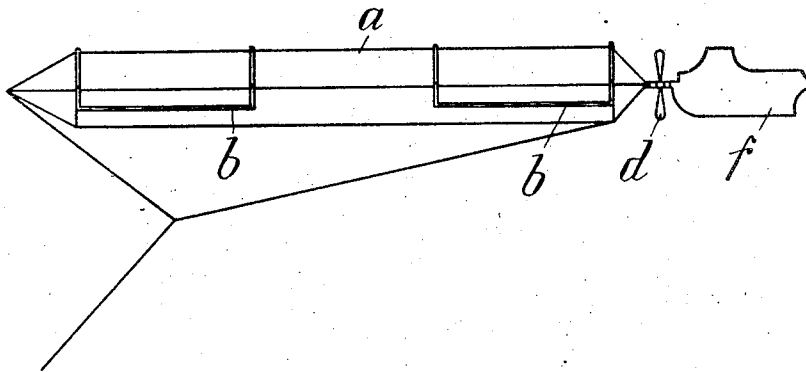
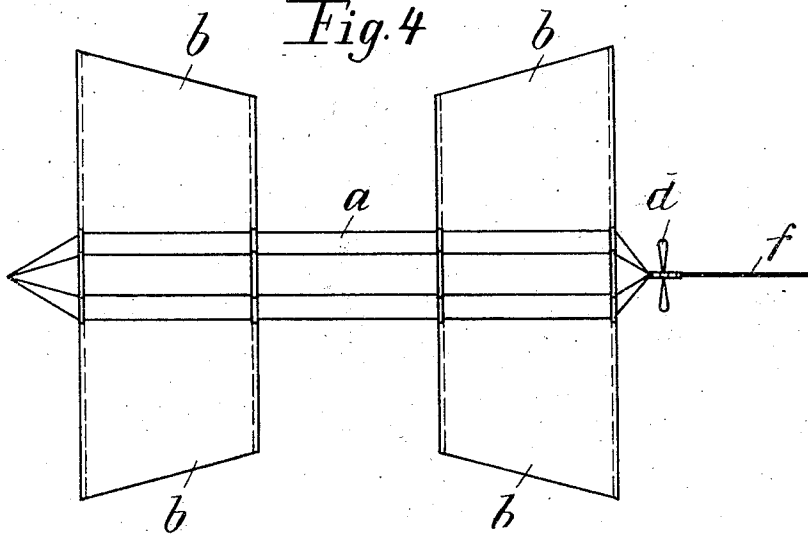


Fig. 4



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UNITED STATES PATENT OFFICE.

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KITE.

972,646.

Specification of Letters Patent.

Patented Oct. 11, 1910.

Application filed June 7, 1909. Serial No. 500,705.

To all whom it may concern:

Be it known that I, WILHELM RODE, a subject of the German Emperor, and a resident of 5 Miquelstrasse, Steglitz, in the Kingdom of Prussia, in the German Empire, have invented certain new and useful Improvements in Kites, of which the following is a specification.

This invention has for its object to provide a novel kite adapted for purposes of sport and recreation and also for scientific purposes and consists in the features of construction and combinations of parts herein-after fully described and claimed.

In the accompanying drawings illustrating the invention: Figure —1— is a view in side elevation of a kite constructed in accordance with my invention. Fig. —2— is a plan view of the same. Fig. —3— is a view similar to Fig. —1— showing a slightly modified form of construction. Fig. —4— is a plan view of the same.

My invention is more particularly intended to provide a novelty in the construction of kites which will interest and amuse and which in flight closely resembles an air ship in general appearance thereby arousing the curiosity and interest of spectators, unacquainted with its true nature, and rendering it of value also as an advertising device.

The kite comprises a central elongated body *a* which is hollow but the walls of which are devoid of openings for the passage of air currents. This said body *a* is tapered at its ends and in cross-section is preferably polygonal in shape. The framework of said hollow body *a* may be constructed in any well-known manner so long as it is maintained very light in weight and relatively stiff. Suitably mounted on said body *a* and projecting from both sides thereof and at both end portions are horizontal wings or planes *b* having parallel straight forward and rear edges extending at right angles to the axis of the body. The opposing edges of the forward and rear planes *b* are shorter than the outer edges thereof and the side edges thereof are inclined relatively to the axis of the body *a*. A projection or stud disposed relatively to the body *a* projects from one end of the latter and at its free end carries a vertical

plane *f* of irregular contour to resemble the rudder of an air-ship. Rotatably mounted on said stud between the ends thereof is a propeller *d* also made of a very light material and adapted to be rotated by an air current impinging against the same. A cord *c* of greater length than said body *a* is secured to the forward end or nose of the body *a* and to the rear end portion thereof and to said cord, between the ends thereof nearer adjacent the nose of the body *a*, is secured one end of the cord by means of which the kite is anchored. The said planes *b* serve in the usual and well-known manner to support the structure of which the body *a* constitutes the mid-rib, by the impingement of air currents upon the lower faces of said planes. The said rudder *f* coacts with the anchoring cord and cord *c* to maintain the nose of the body *a* against the wind, the said propeller *d* affording a resisting medium similar to the tail of an ordinary kite to maintain the same balanced and in proper position relatively to the direction of the wind to maintain the same in flight.

In the construction shown in Figs. —3— and —4— the planes *b* are disposed below the horizontal plane of the axis of the body *a*, the construction being in all other respects the same.

I claim as my invention:

1. A kite comprising a centrally disposed elongated hollow inclosed body tapered at its ends, a plurality of horizontal planes mounted upon the sides of said body, a projection at the rear end of the same, a vertical rudder plane mounted upon the free end of said projection, a propeller rotatably mounted on said projection between the ends thereof, a cord of greater length than said body secured at its ends to opposite ends of the latter, and an anchor cord secured at one end to said first-named cord between the ends of the latter.

2. A kite comprising a centrally disposed elongated hollow inclosed body tapered at its ends, a pair of horizontal planes projecting from opposite sides of the forward end portion of said body, a pair of horizontal planes, nearly projecting from opposite sides of the rear end portion of said body, an axial projection at the rear end of the latter, a vertical rudder plane mounted

upon the free end thereof, a propeller rotatably mounted on said projection between the ends thereof, a cord of greater length than said body secured at its ends to opposite ends of the latter, and an anchor cord secured at one end to said first-named cord between the ends of the latter.

In testimony whereof, I affix my signature in the presence of two witnesses.

WILHELM RODE.

Witnesses:

HENRY HASPER,
WOLDEMAR HAUPT.