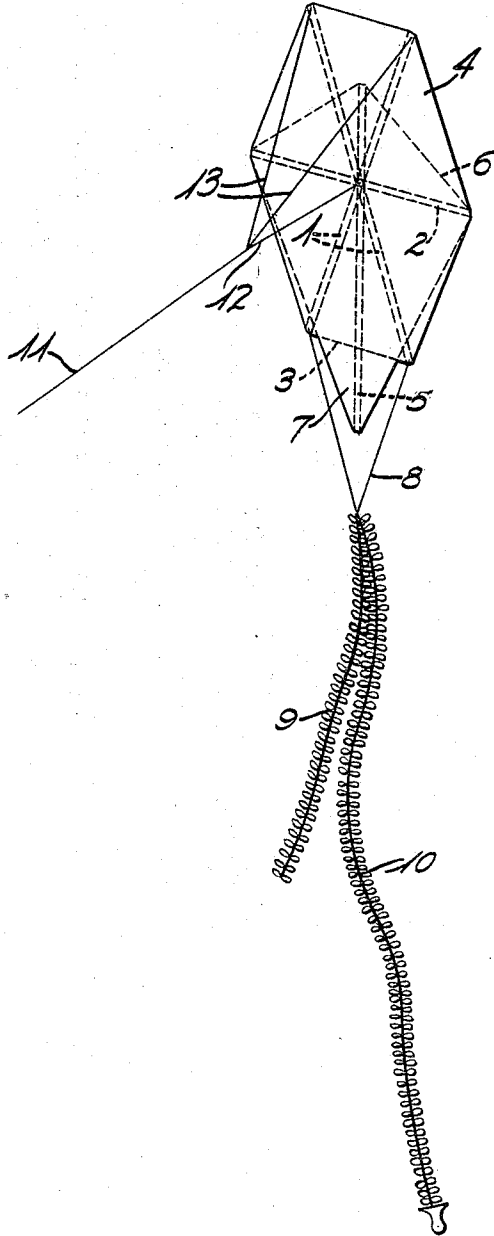


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KITE.

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1,214,592.

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KITE.

1,214,592.

Specification of Letters Patent.

Patented Feb. 6, 1917.

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To all whom it may concern:

Be it known that I, ARMANDO ROA, a citizen of the Republic of Cuba, residing at 35 West Thirty-second street, New York, N. Y., United States of America, have invented new and useful Improvements in Kites, of which the following is a specification.

My invention relates to kites.

The object of my invention is to provide a kite of rigid construction and of such form that by repeated pulling of the string thereof to one side or the other the kite may be directed laterally while in the air.

A further object is to provide a simple form of construction, but particularly stable in proportion to its size.

My invention consists of the construction, combination and arrangement of parts, as herein illustrated, described and claimed.

In the accompanying drawing, forming part hereof, I have illustrated a form of embodiment of my invention, in which drawing the figure is a perspective.

Referring to the drawing 1, 1, designates vertical strips and 2 a horizontal strip connected together at their intersection at the center thereof. The usual string 3 is passed around the extremities of these frame members 1, 1, and 2. A suitable paper covering 4 is stretched over the construction described.

For the dual purpose of effecting a rigid construction and affording a balance or plane to the kite a vertical frame member 5 is secured to the other members 1 and 2 at their point of intersection, so as to leave a lower projecting end and an upper projecting end. A cord 6 is carried around the ends of the frame member 5 and the ends of the frame member 2 engaging the frame members 1 adjacent their ends. The cover 4 is extended over the cord 6 below the edge of the main body of the kite so as to provide a balancing rudder or vane 7. The tail loop 8 is of a length approximately the distance from the bottom edge of the main body of the kite to the point of intersection of the frame members 1 and 2. To the loop 8 is secured a tail comprising a shorter

member 9 and a longer member 10 to afford greater stability.

For the purpose of attaching the cord 11 a bridle is formed of three members, one of which, 12, is attached to the center of the framework described and the other two 13, 13 of which have their upper ends secured to the upper ends of the vertical frame members 1, 1 and their opposite ends secured to the attaching member 12 and the said members 12, 13, 13 are secured in any suitable way to the cord 11.

By experiment I have found the foregoing construction to be stable, rigid, light and that it may be, while in the air, directed either to the left or to the right by pull upon the cord 11 in the direction in which it is desired the kite to move laterally. It is believed that the particular arrangement of the bridles 13 in combination with the double tails 9 and 10 contribute to this effect.

Having thus fully described my invention what I claim as new and desire to secure by Letters Patent is:

1. A kite comprising a framework, a covering disposed over the framework, stiffening means carried by the framework and extending below the main body of the kite to form a plane, a double tail secured to the body of the framework, and means for attaching a cord to the framework.

2. A kite comprising a framework, a covering disposed over the framework, stiffening means carried by the framework and extending below the main body of the kite to form a plane, a double tail of unequal lengths secured to the body of the framework, and means for attaching a cord to the framework.

3. A kite comprising a frame having a cover thereon, having its opposite sides of equal length, an attaching member of a length nearly approximating the distance from the center to the upper end of the kite, two attaching members having their ends secured to the upper corners of the frame, a tail suspended from the lower end of the first mentioned attaching member, and a

cord secured to the free ends of the last mentioned attaching members.

4. A kite comprising a framework of four intersecting members, one of which projects
5 below the others; a cord disposed around three of the intersecting members, a second cord disposed around the ends of projecting member and one of the other intersecting

members, a cover disposed over the framework and the cords, a tail secured to the bottom of the framework, and means for attaching a securing cord to the framework. 10

In testimony whereof I have signed my name to this specification.

ARMANDO ROA.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."