

*Oscar Maddaus's
Improved Drum-Kite.*

No. 121,056.

Patented Nov. 21, 1871.

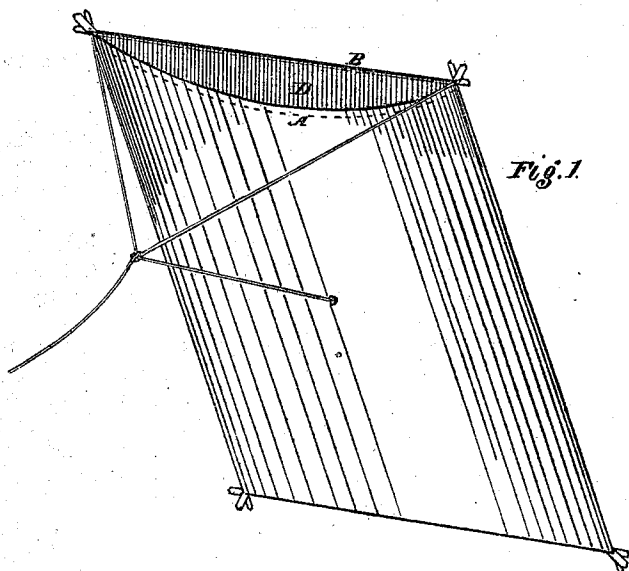


Fig. 1.

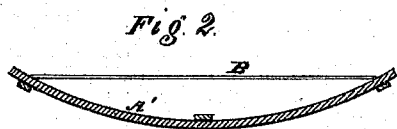


Fig. 2.

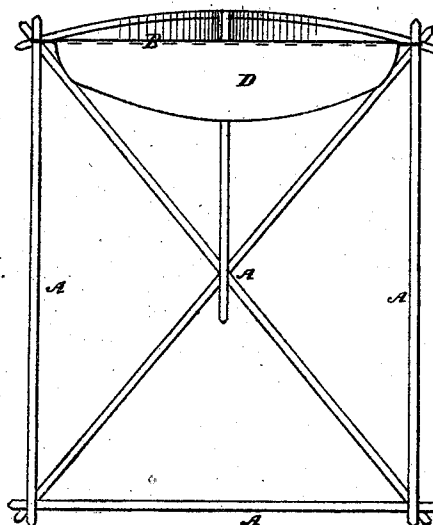


Fig. 3.

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UNITED STATES PATENT OFFICE.

OSCAR MADDAUS, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN KITES.

Specification forming part of Letters Patent No. 121,056, dated November 21, 1871; antedated November 3, 1871.

To all whom it may concern:

Be it known that I, OSCAR MADDAUS, of the city of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Drum-Kite; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing forming a part of this specification and to the letters of reference marked thereon.

The object of my invention is to make a cheap, simple, novel, and amusing toy kite for children or lads; the nature of which consists in constructing a kite in the ordinary manner, except that I bend the head-end of the frame so as to form a convex laterally across the inner or windward side of the kite. I then stretch a cord in a straight line across the concavity of the frame, which leaves a space between the said cord and frame. To the before-mentioned cord I secure an apron or wing made of paper or other proper material, which, by means of the cord, stands out a short distance from the frame, so that when the kite is brought against the wind it causes a rapid vibration of the lower edge of the wing against the surface of the kite and produces a drumming sound. There may be several of these wings attached to the kite in different localities upon its surface.

To enable others skilled in the art to make and use my invention, I will proceed more particularly to describe its construction and operation.

Figure 1 is a perspective view of my improved kite. Fig. 2 is a transverse section of Fig. 1. Fig. 3 is an elevation of the back of the kite.

Letters of like name and kind indicate like parts in each of the figures.

A A A and A' represent the bars or laths which form the frame of the kite, made of any proper material and of any suitable dimensions, accord-

ing to the size of kite required. These bars or laths, which form the frame, are fastened or secured together, at or near their ends, by being tied with string or in any other suitable manner, and are covered with the paper or other material which forms the body of the kite, which I generally make rectangular in form. The upper horizontal bar or lath A' is curved so as to form a convex surface on the upper part of the front or windward side of the kite, and a corresponding concave surface on the upper part of the back of the kite. Across the concavity thus formed a cord, B, is stretched from one end of the bar A' to the other end; and from this cord is suspended an apron or wing, D, which may be made of stiff paper or other similar material, and in the form of a semi-ellipse, whose transverse diameter is secured longitudinally to the cord B, while the remaining portion is left free to vibrate as it is acted upon by the wind.

When the kite is brought against the wind this apron or wing D is caused to vibrate rapidly by the action of the wind; and these vibrations causing the lower edge of the apron to strike against the body of the kite a loud drumming sound is produced.

Several of such aprons or wings may be secured to different parts of the kite, if desired.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

The curved upper bar A' of the kite, in combination with the cord B, upon which the apron vibrates, substantially as herein shown and described, and for the purposes set forth.

OSCAR MADDAUS.

Witnesses:

JOHN S. THORNTON,
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