(No Model.)

C. W. BURGESS & W. F. FLEHARTY.

TAIL FOR KITES.

No. 391,507. Patented Oct. 23, 1888.

Fig. 1

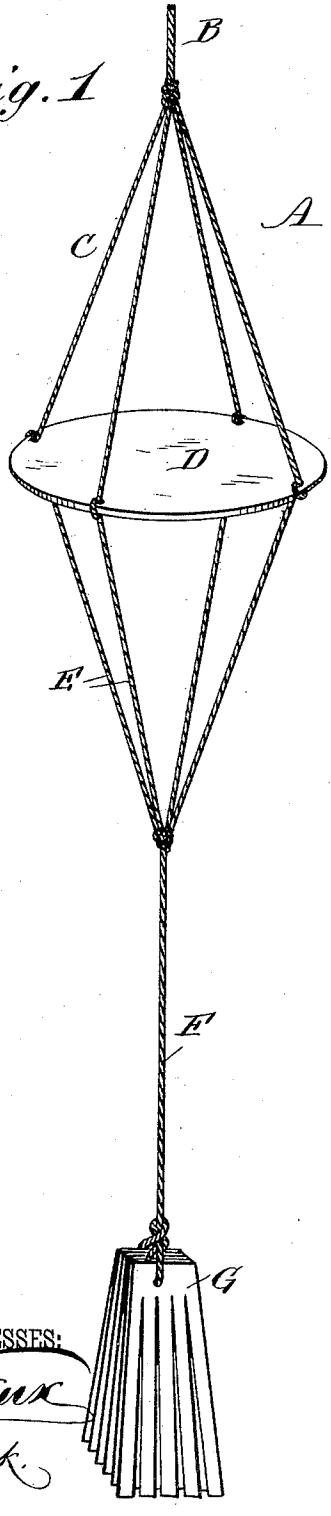
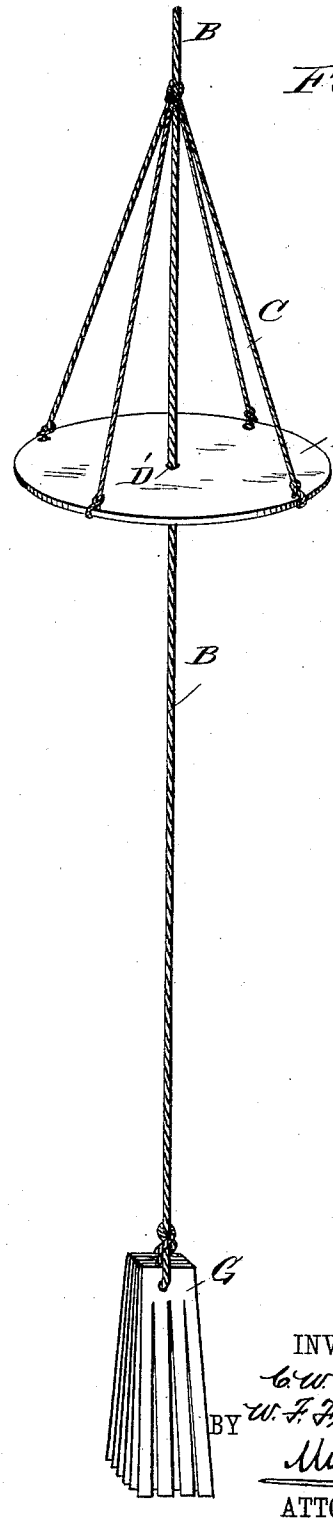


Fig. 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES W. BURGESS AND WILLIAM FRANKLIN FLEHARTY, OF NORWALK, OHIO, ASSIGNORS TO THE BOSTWICK & BURGESS MANUFACTURING COMPANY, OF SAME PLACE.

TAIL FOR KITES.

SPECIFICATION forming part of Letters Patent No. 391,507, dated October 23, 1888.

Application filed December 20, 1887. Serial No. 258,429. (No model.)

To all whom it may concern:

Be it known that we, CHARLES W. BURGESS and WILLIAM FRANKLIN FLEHARTY, of Norwalk, in the county of Huron and State of Ohio, have invented a new and Improved Tail for Kites, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved tail for kites which adjusts itself according to the velocity or pressure of the wind, so that the kite is perfectly governed in its flight.

The invention consists of a disk held centrally on the tail-rope and supported by guy-ropes fastened to the tail-rope and to the outer edge of the said disk.

The invention also consists of certain parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a perspective view of the improvement, and Fig. 2 is a like view of a modified form of the same.

The kite-tail A is provided with the usual rope, B, fastened at its upper end in the usual manner to the kite, and carrying on its lower end the guy-ropes C, extending downwardly and outwardly and being secured with their ends to the outer edges of a disk, D, which is thus supported horizontally and centrally to the tail-rope B. From the under side of the disk D extend downwardly and inwardly the guy-ropes E, which may be a continuation of the guy-ropes C. The guy-ropes E are secured at their lower ends in a bunch to one end of the rope F, carrying the usual end tassel, G, of suitable size and form.

Instead of suspending the disk D centrally on the tail-rope B in the manner above described, and shown in Fig. 1, we may arrange the disk as shown in Fig. 2, in which the tail-rope B passes through a central aperture, D′, on the disk and carries at its lower end the tassel G.

The guy-ropes C are secured to the rope B and the outer edge of the disk D, as above described, while the other guy-ropes, E, are entirely dispensed with. The disk D is thus supported by the guy-ropes C from the tail-rope B and can assume any requisite inclination according to the pressure and velocity of the wind.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a tail for kites, a disk held centrally on the tail-rope and supported by guy-ropes fastened on the said tail-rope, substantially as shown and described.

2. In a tail for kites, the combination, with a tail-rope and a tassel held at the lower end of the said tail-rope, of a disk held centrally on the tail-rope, and guy-ropes supporting said disk at its outer edge, said guy-ropes being fastened to the said tail-rope, substantially as shown and described.

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Witnesses:
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