

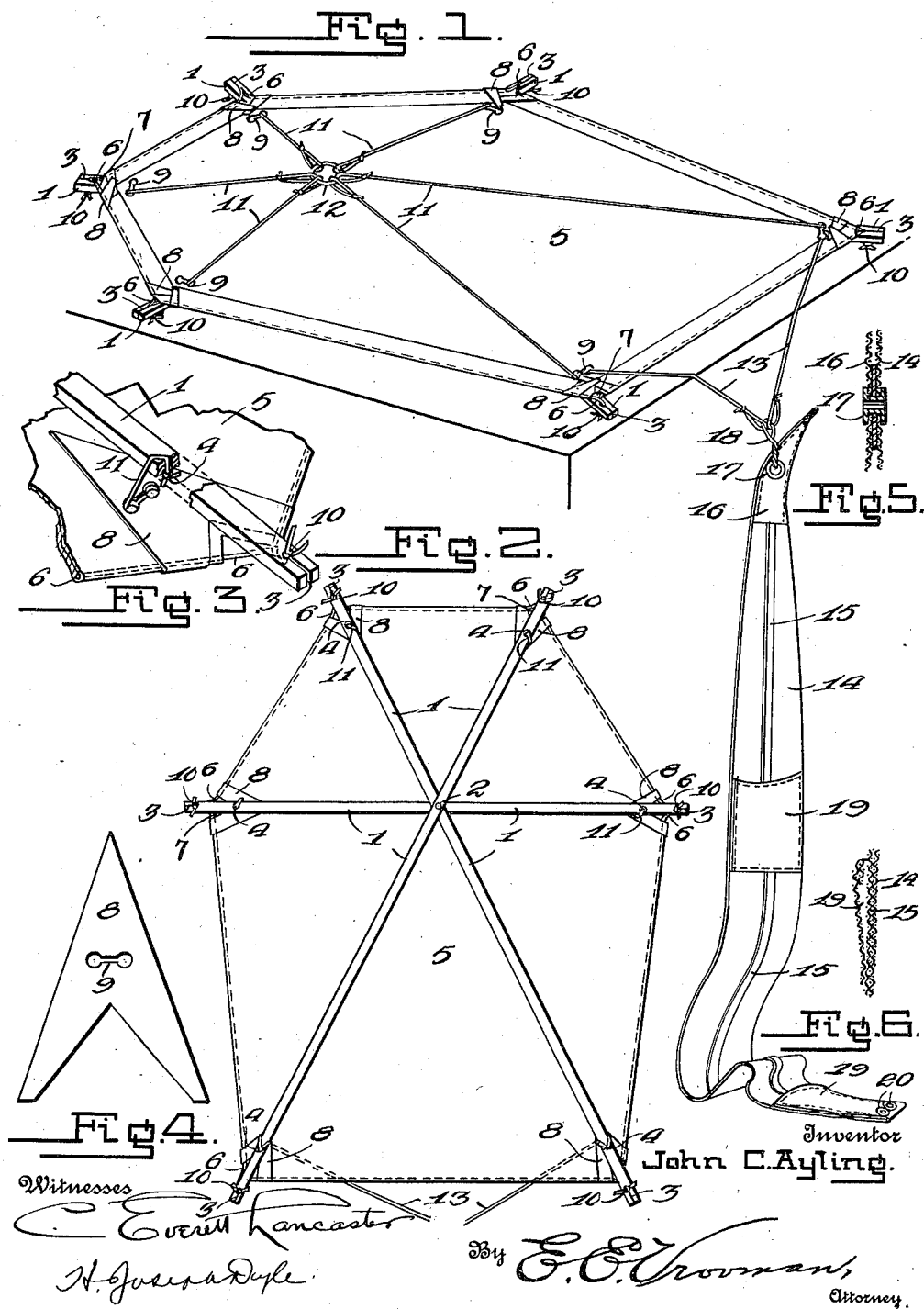
J. C. AYLING.

KITE.

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1,009,274.

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UNITED STATES PATENT OFFICE.

JOHN C. AYLING, OF SPRINGFIELD, ILLINOIS.

KITE.

1,009,274.

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To all whom it may concern:

Be it known that I, JOHN C. AYLING, a citizen of the United States of America, residing at Springfield, in the county of Sangamon and State of Illinois, have invented certain new and useful Improvements in Kites, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to kites and the principal object of the same is to provide a kite that can be folded into small compasses to facilitate transportation of the same, and also to provide a kite in which the body can be readily removed from the frame or placed thereon.

In connection with the foregoing prominent features, the invention contemplates a novel tail for the kite that is provided with means for the reception of weights and which is so constructed that it can be readily attached to or detached from the kite, and which is also arranged so that duplicate sections or additions can be attached thereto when necessary or desirable.

In carrying out the objects of the invention generally stated above it will be understood, of course, that the essential features thereof are necessarily susceptible of changes in details and structural arrangements, one preferred and practical embodiment of which is shown in the accompanying drawings, wherein:—

Figure 1 is a perspective view of the improved kite. Fig. 2 is a rear view thereof, the tail being removed. Fig. 3 is a fragmentary perspective view of one corner of the kite. Fig. 4 is a detail plan view of one of the reinforcing corner strips. Fig. 5 is a detail fragmentary sectional view of the tail. Fig. 6 is a similar view of one of the pockets of the tail.

Referring to the accompanying drawings by numerals, it will be seen that the well known type of six-sided kites has been shown, the supporting frame thereof comprising the sticks 1 which are arranged in crossing relation and held in pivotal engagement by the pivot 2. The ends of the sticks radiate and are provided with longitudinal end notches 3 and adjacent thereto with transverse openings 4.

The kite body 5 is formed of paper or other suitable material the edges thereof being turned and inclosing sections of cord 6. At the corners the body is cut-away as in-

dicated at 7 to expose the ends of the sections of cord, and said corners are reinforced by the overlapping strips 8 which are provided with guiding openings 9 that are in alinement with the transverse openings 4 of the sticks 1. The ends 10 of the cord sections 6 that project through the corner openings of the body 5 are knotted together and engaged with the end notches 3 of the sticks 1 to detachably fasten the body to the ends of said sticks.

The harness, or bands, for the front surface of the body comprises the cords 11 which have one end extended through the openings 9 of the reinforcing strips 8 and the openings 4 of the sticks 1 and detachably fastened to said sticks. The other ends of said strings radiate toward the upper central portion of the body 5 and are detachably fastened to a ring 12 to which the usual controlling cord is attached. A tail loop 13 has its ends passed through the reinforcing strips at the base of the body and detachably fastened to the sticks.

The tail for the kite may be in sections one of which is shown. Said tail, which is designated by the numeral 14, is provided with a central longitudinally arranged reinforcing strip 15 and the reduced and reinforced upper end 16 thereof is provided with an eyelet 17 for the reception of a fastening cord 18 to detachably connect the tail to the loop 13. At an intermediate point and at the free end, said tail is provided with pockets 19 for the reception of suitable weights, such as sand bags, shot, or the like to steady the kite. The free end of said tail is provided with eyelets 20 by means of which other sections can be readily attached when necessary or desirable.

It will be seen from the foregoing that the body can be readily released from the sticks, and said sticks folded so that but the minimum of space will be required for storing or shipping the kite. It will also be seen that the pockets of the tail provide simple means whereby steadying weights can be used, and also that said tail can be readily attached to or separated from the kite, and that when necessary or desirable, other sections can be readily attached to the tail.

What I claim as my invention is:—

1. A kite comprising frame sticks, means for pivotally connecting said sticks in radiating crossing relation, a body, cord sec-

tions inclosed by the edges thereof and having portions projecting through the corners of said body and detachably engaging the ends of said sticks, and reinforcing strips
5 overlapping the corners of said body.

2. A kite comprising frame sticks provided with end notches, means for pivotally connecting said sticks, a body provided with
10 cut-away corners, means for reinforcing said corners, and cord sections inclosed by the edges of said body and projecting through said corners and detachably engaging the
end notches of said sticks.

3. A kite comprising frame sticks provided with end notches and transverse openings, means for pivotally connecting said
15 sticks, a body, fastening cords carried thereby and detachably engaging the said notches,

harness bands having one end detachably engaging the transverse openings of said
20 sticks, the other ends of said bands radiating toward the upper central portion of said body, and a ring engaging the said radiating ends.

4. A kite comprising a body, a tail having an end eyelet, means engaging said eye-
25 let to attach said tail to said body, a reinforcing strip extending longitudinally of said tail, and weight receiving pockets carried by said tail. 30

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

JOHN C. AYLING.

Witnesses:

MARGRET AYLING,
GEORGE W. AYLING.

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