W. A. BOCHAU.

KITE.

APPLICATION FILED OCT. 31, 1913.

1,105,058. Patented July 28, 1914.

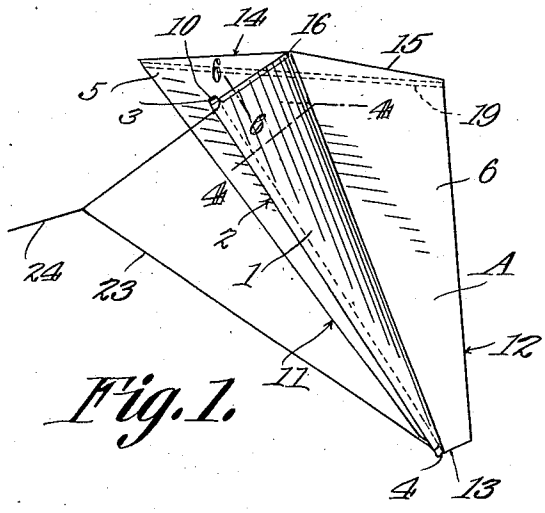


Fig. 1.

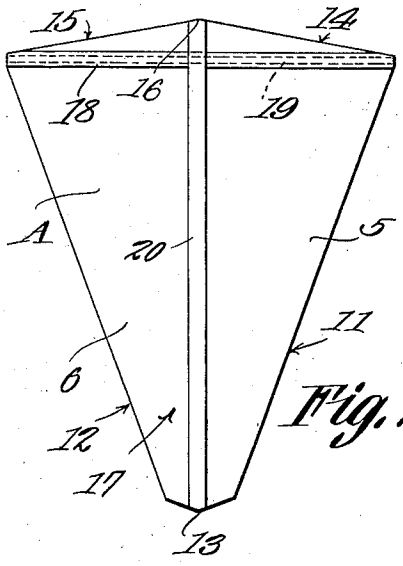
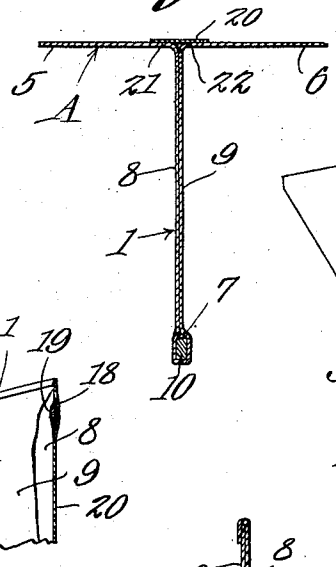


Fig. 2.

Fig. 4.

Fig. 3.



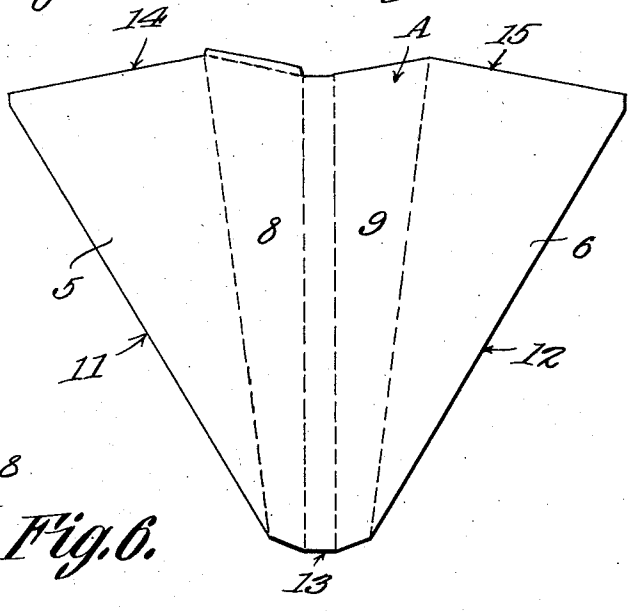


Fig. 5.

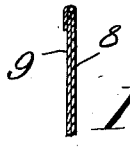


Fig. 6.

Witnesses
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KITE.

1,105,058. Specification of Letters Patent. Patented July 28, 1914.

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To all whom it may concern:

Be it known that I, WILLIAM A. BOCHAU, a citizen of the United States, residing at Baltimore city, State of Maryland, have invented certain new and useful Improvements in Kites, of which the following is a specification.

My invention relates to an improvement in kites, particularly that class of kites known as tailless kites, and with the aid of the improvements producing a reliable steady flying kite which has a tendency to ascend or fly to an exceedingly high altitude.

The further object of my invention being to provide what may be termed a knock-down kite, that is, a kite which is capable of being readily taken to pieces and compactly folded for purposes of transportation and the like, and which may be easily and quickly assembled; with these and other objects in view, the invention consists in certain novel features of construction, combinations and arrangement of parts which will be hereinafter described and pointed out in the claim.

In the accompanying drawings forming a part of this specification, in which I have illustrated an improved embodiment of my invention, like characters of reference indicate the same parts throughout the several views, and in which;

Figure 1 is a perspective view of a kite constructed in accordance with my invention; Fig. 2 is a rear elevation; Fig. 3 is a view of the blank forming the body part; Fig. 4 is a section on line 4—4 of Fig. 1; Fig. 5 a detail elevation of a portion of the kite, parts being broken away and part in section, and Fig. 6 is a section on line 6—6 of Fig. 1.

Reference being had to the drawings, A indicates the body part made from a single piece of any suitable material, such as paper or cloth, preferably the former, and of the shape shown in Fig. 3; the body part being folded longitudinally at its center to form a keel 1, the edge 2 of the keel converging downwardly from its upper end 3 to the lower end 4, for the purpose of deflecting or directing the air toward the lower end portion of the kite, the keel being of substantially the shape of an inverted right angle triangle, the upper end 3 corresponding to the base, and the lower end 4 the apex, the keel also serving to equalize the air on the sides 5 and 6 of the kite.

Provided in the front edge of the keel is a pocket 7, this pocket may be made by either pasting the parts 8 and 9 of the keel together to a point sufficient distance from the edge 2 to form a pocket of the size desired, into which is removably secured a vertically inclined stick or rod 10; the parts 8 and 9 however may be sewed or otherwise secured together to form the pocket 7 as may be desired to meet the requirements, and it is understood that the stick 10 may be secured to the keel rigidly or otherwise without departing from the spirit of the invention, and the removal of the stick is not made necessary that the kite may be readily rolled into a small compass.

The body part A of the kite when folded to form the keel just described forms a kite of the shape shown in Fig. 1, that is, having two long sides 11 and 12 converging toward the lower end 13 of the kite, and two short sides 14 and 15, converging to a point 16 and the top of the kite. Provided on what may be termed for purposes of illustration, the reverse side of the kite, indicated 17, is provided a pocket 18 extending transversely the upper end portion of the kite, into which is removably secured the cross stick or rod 19, and for purposes of reinforcement for securing the parts 8 and 9 securely together on the reverse side of the kite is provided a longitudinal strip 20 pasted or otherwise secured over the folded edges indicated 21 and 22 of said parts forming the keel insuring these parts being securely held together. Attached to the upper and lower ends of the stick 10, is a bridle 23 for the attachment of the flying string or cord 24.

It will be thus observed that aside from the many novel features and advantages afforded by the simple and effective construction, to produce the result for which intended, and in addition thereto, the parts may be easily detached and quickly assembled, and by the removal of the cross stick the kite may be rolled about the vertical stick into a small compass for purposes of transportation and the like, or both sticks may be removed and the body part of the kite compactly folded as may be desired.

Having fully described my invention, what I claim and desire to secure by Letters Patent, is;

A kite of the character described, comprising a body part, made from a single piece of material and folded longitudinally at its

center to form a forwardly projecting angular shaped keel of double thickness extending longitudinally of the kite at its front, and converging from the top to the bottom of said kite, a vertical pocket provided in the fold forming the converged edge of said keel, a stick removably secured therein, a bridle attached to each end of the stick, a transverse pocket provided on the reverse side of the kite near its upper edge, a stick removably secured therein, and means secured upon the back, extending vertically thereof from edge to edge and covering and retaining the meeting edges of the central fold together, substantially as described.

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

WILLIAM A. BOCHAU.

Witnesses:
E. WALTON BREWINGTON,
JOHN HENRY SKEEN.