

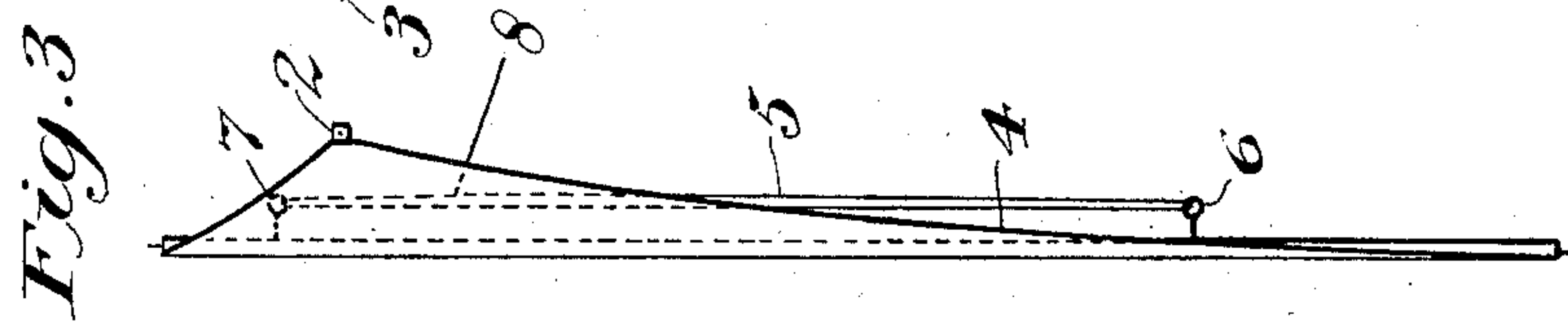
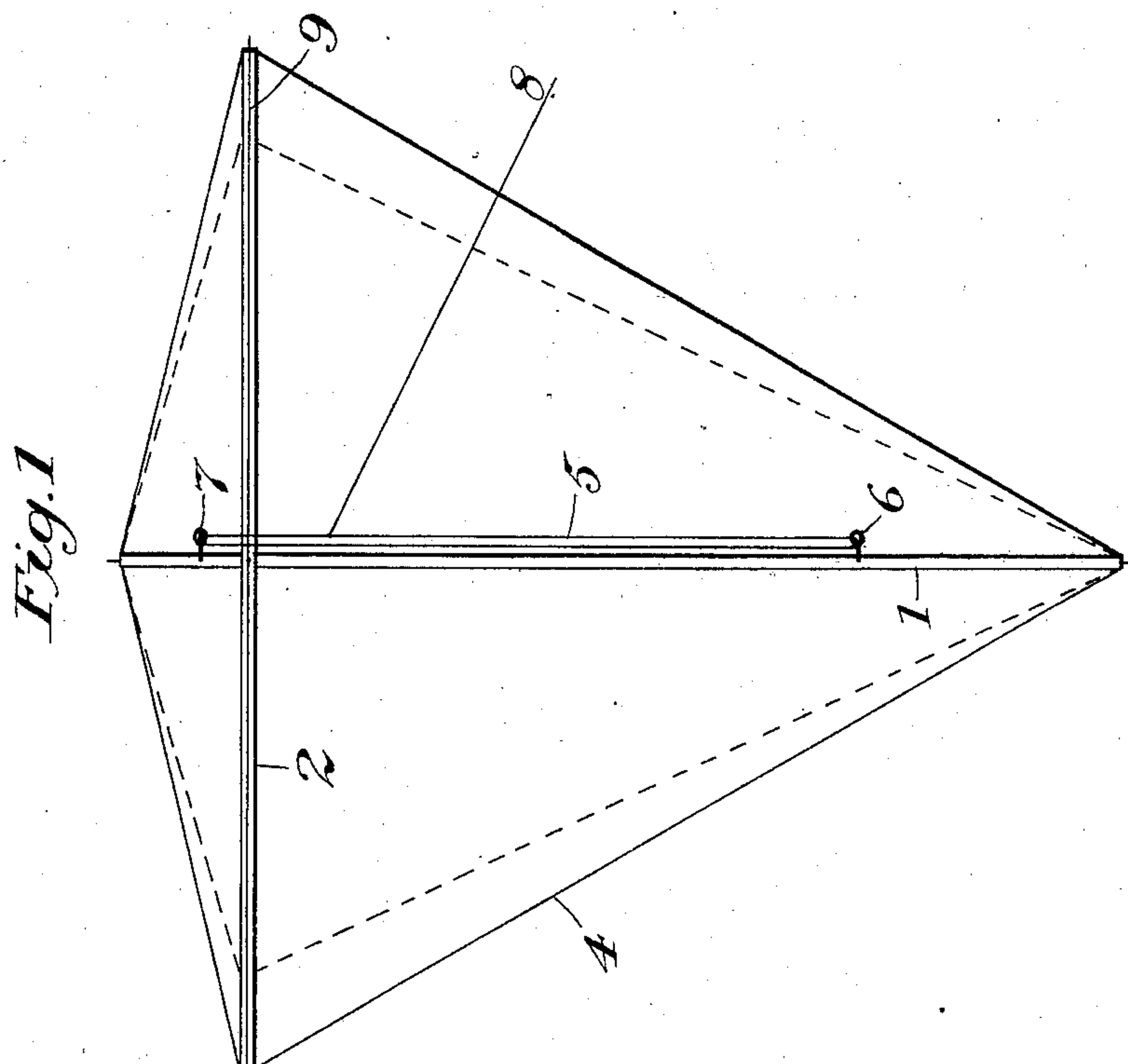
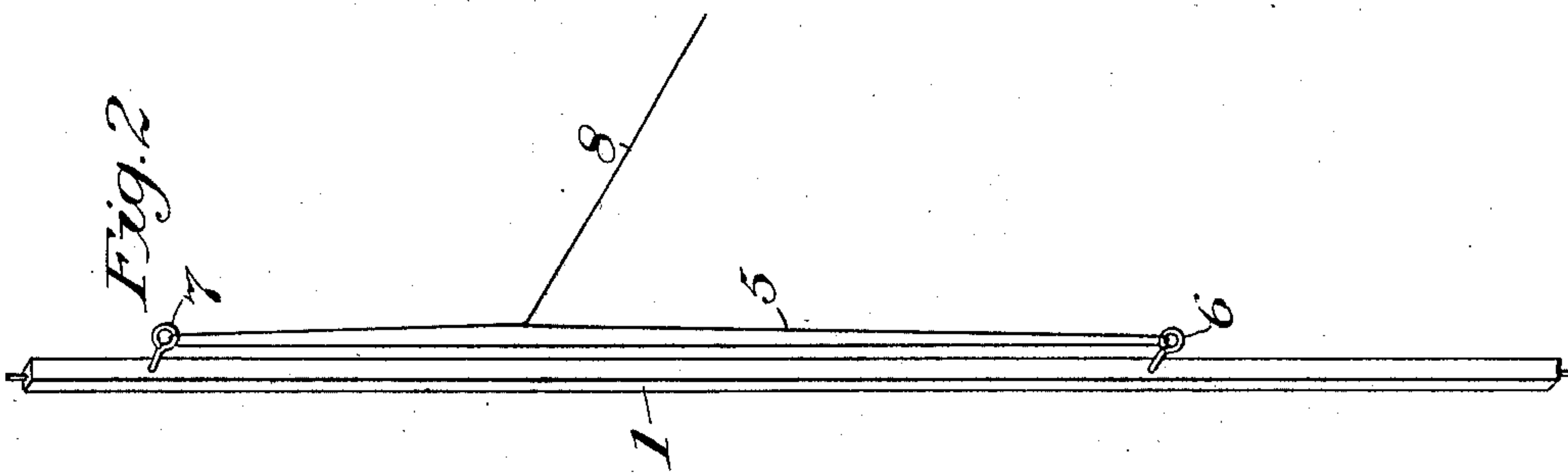
No. 859,395.

PATENTED JULY 9, 1907.

H. LURZ.

KITE.

APPLICATION FILED OCT. 5, 1906.



Witnesses  
*John C. Robinson*  
*Henrietta E. Starkman*

Inventor  
*Henry Lurz*  
By his Attorney *Adolph J. Dins*

# UNITED STATES PATENT OFFICE.

HENRY LURZ, OF JERSEY CITY, NEW JERSEY.

## KITE.

No. 859,395.

Specification of Letters Patent.

Patented July 9, 1907.

Application filed October 5, 1906. Serial No. 337,526.

*To all whom it may concern:*

Be it known that I, HENRY LURZ, a citizen of the United States, residing in Jersey City, county of Hudson, and State of New Jersey, have invented certain  
5 new and useful Improvements in Kites, of which the following is a full, clear, and exact specification.

My invention relates to kites, and has for its object to so construct a kite of the usual shape that the tail usually employed in such kites may be dispensed with and  
10 still allow the kite to preserve its equilibrium, and to this end my invention consists principally in providing the kite with a self-adjustable belly band to which the flying cord may be attached and which will automatically permit the flying cord to assume a changed position  
15 vertically relative to the body of the kite when the wind changes, and in other improvements shown in the accompanying drawing wherein

Figure 1 illustrates a plan view of a kite embodying my invention; Fig. 2 a detail of the upright member of  
20 the frame showing the adjustable belly band thereon; and Fig. 3 a side view of the kite.

My improved kite is constructed of the usual upright frame stick 1 and short cross piece 2 attached together at their intersection, in the outer ends of which tacks 3  
25 are driven, and which are held together by cord 4, which is passed around the outside of each end of the sticks 1, 2, and given a turn around the tacks. A cord 9 is then attached to each end of the cross piece and tightened until the ends of the cross-piece are brought  
30 about five inches to the front, whereby the cross-piece is bowed and the kite has the shape shown in side view in Fig. 3. The tacks are then driven in tight and the parts are held in the position shown.

Attached to the upright stick 1 is an adjustable belly  
35 band 5 in the form of a loop or endless cord which passes through supports upon the said stick such as screw eyes 6, 7; which are attached at such points as to properly support the kite. The belly band is securely held in said supports and yet has a free movement therein to

permit a vertical adjustment of the flying cord. To one side of the loop forming this belly band is attached the flying cord 8.

In flying the kite, should the wind pressure increase, the belly band will slide and permit the attached flying cord to travel nearer the head of the kite, and it will  
45 thereby assume a more nearly horizontal position and will be forced still higher.

It is obvious that modifications may be made in the construction illustrated without departing from the spirit of my invention, but  
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What I claim and desire to secure by Letters Patent is:

1. In a kite, an attachment for connection to the flying cord and means for permitting an automatic vertical adjustment thereof, substantially as described.  
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2. In a kite, a traveling connection between the flying cord and the kite and means for permitting an automatic adjustment thereof, substantially as described.

3. In a kite, a frame comprising an upright, a cross-piece secured thereto, a cover secured to said frame, a belly band and means for securing same to said upright which permit it to freely move longitudinally thereof, and a flying cord attached to said belly band, substantially as described.  
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4. In a kite a frame comprising an upright, a cross-piece secured thereto, a cord passed around said frame, a cord secured to said cross-piece and flexing the same, a cover secured to said frame, a belly band and means for securing same to said upright which permit it to freely move longitudinally thereof, and a flying cord attached to said belly band, substantially as described.  
65 70

5. In a kite, a frame comprising an upright, a cross-piece, means for holding said frame securely together, an endless cord in the form of a loop, and connections between the extremities of said loop and the said upright which permit the said cord to freely move, and a flying cord attached to said loop, substantially as described.  
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In testimony whereof, I have hereunto set my hand in the presence of two subscribing witnesses.

HENRY LURZ.

Witnesses:

JOHN C. GIESLER,  
HERMAN ROTTMANN.