Nov. 12, 1929. C. A. ALBRECHT 1,735,309

KITE

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Fig. 1.

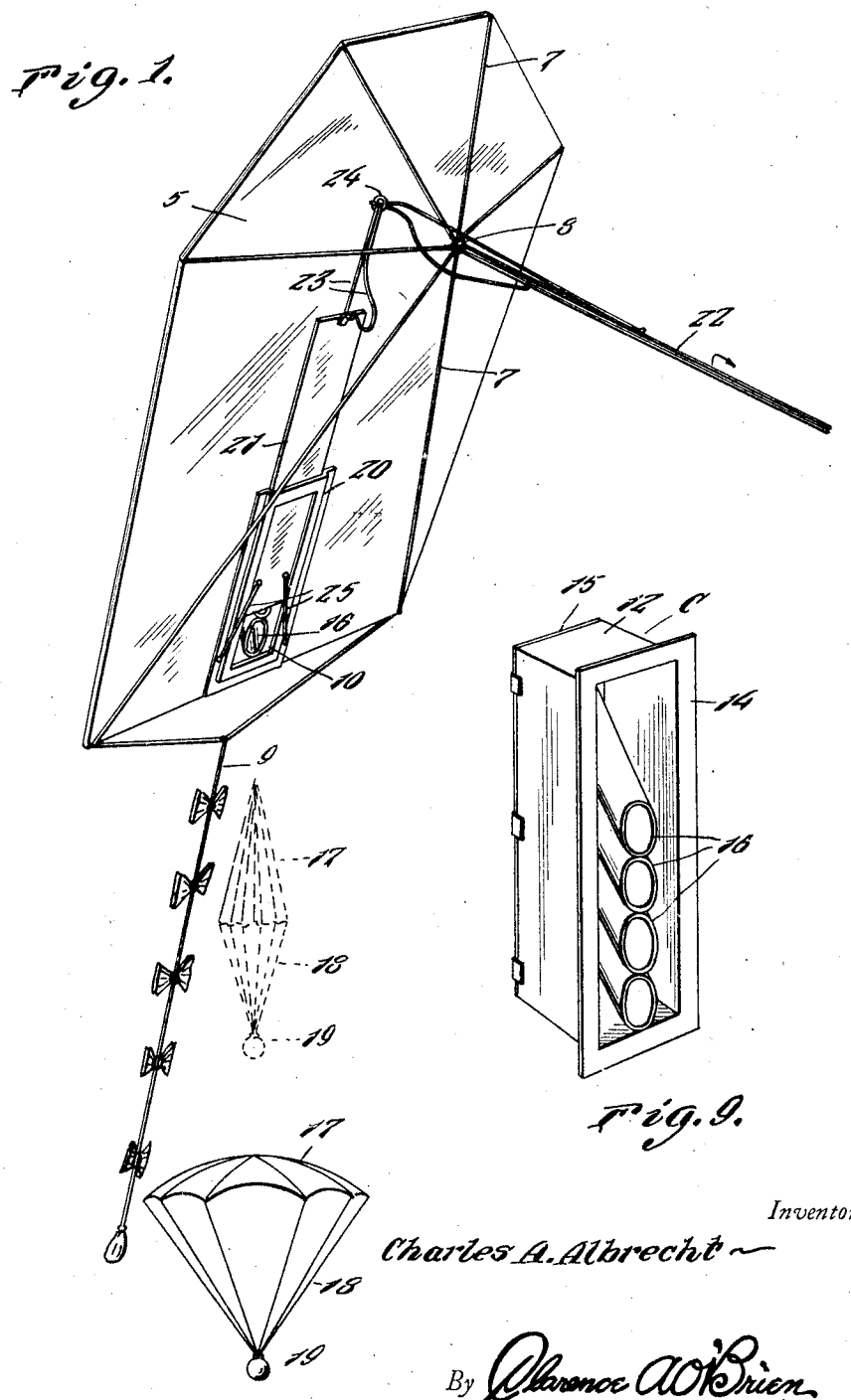


Fig. 2.

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KITE

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Fig. 2.

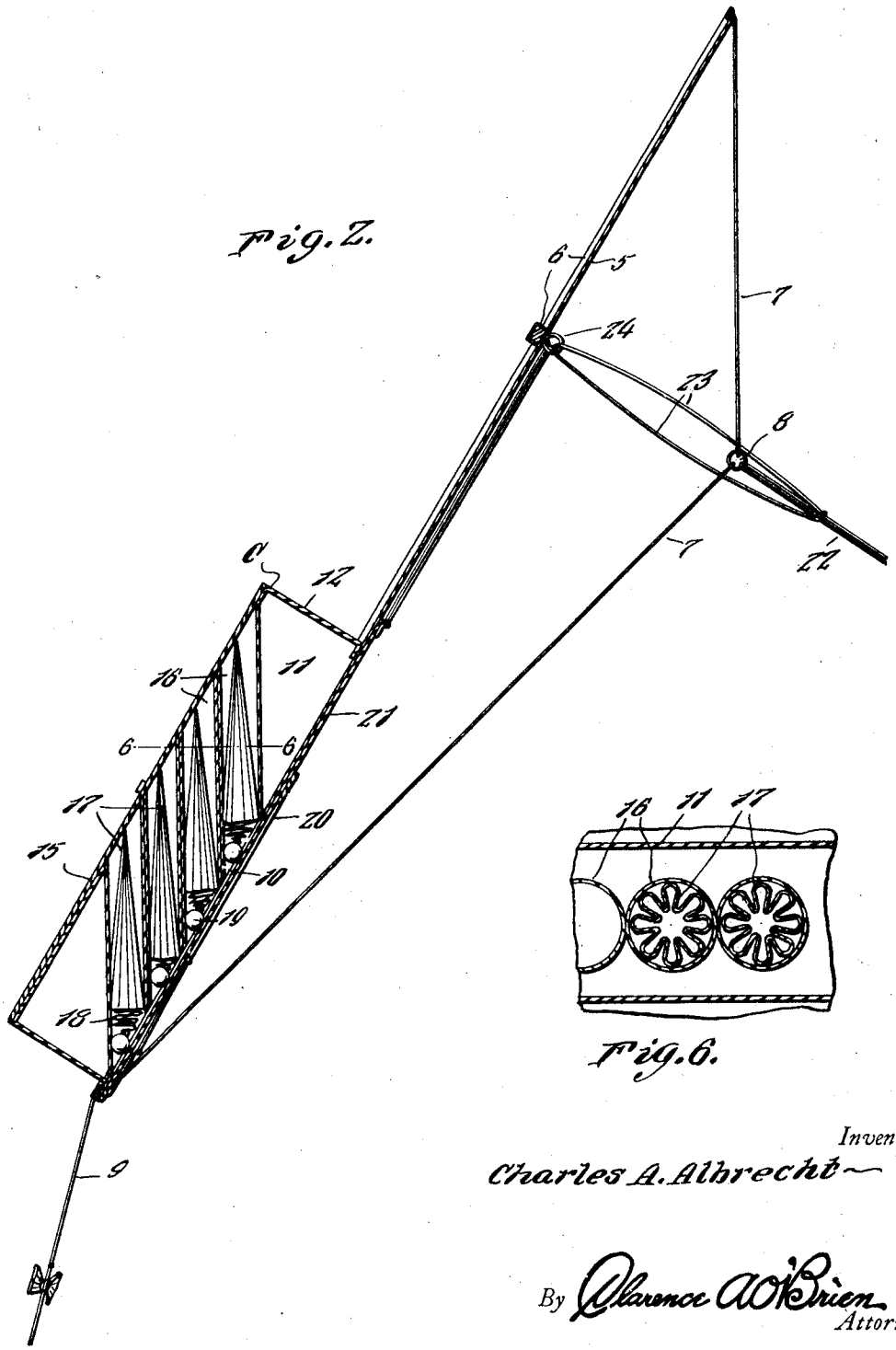


Fig. 6.

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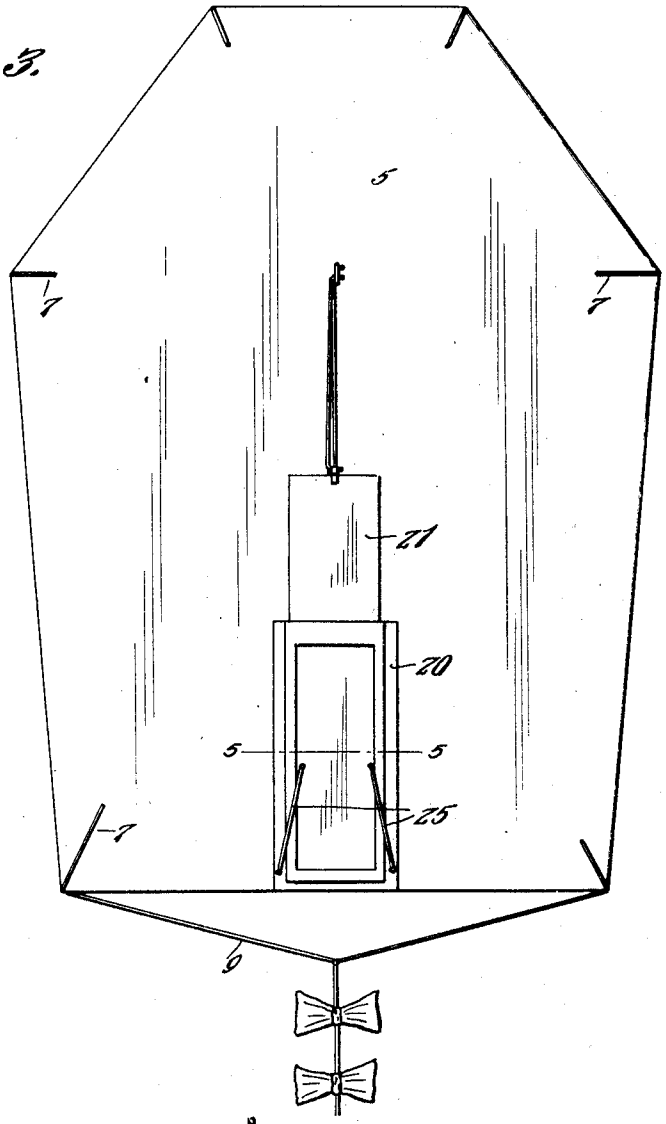
Attorney

Nov. 12, 1929. C. A. ALBRECHT 1,735,309

KITE

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Fig. 3.



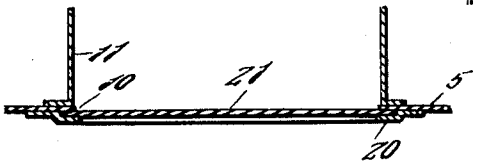


Fig. 5.

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KITE

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Fig. 4.

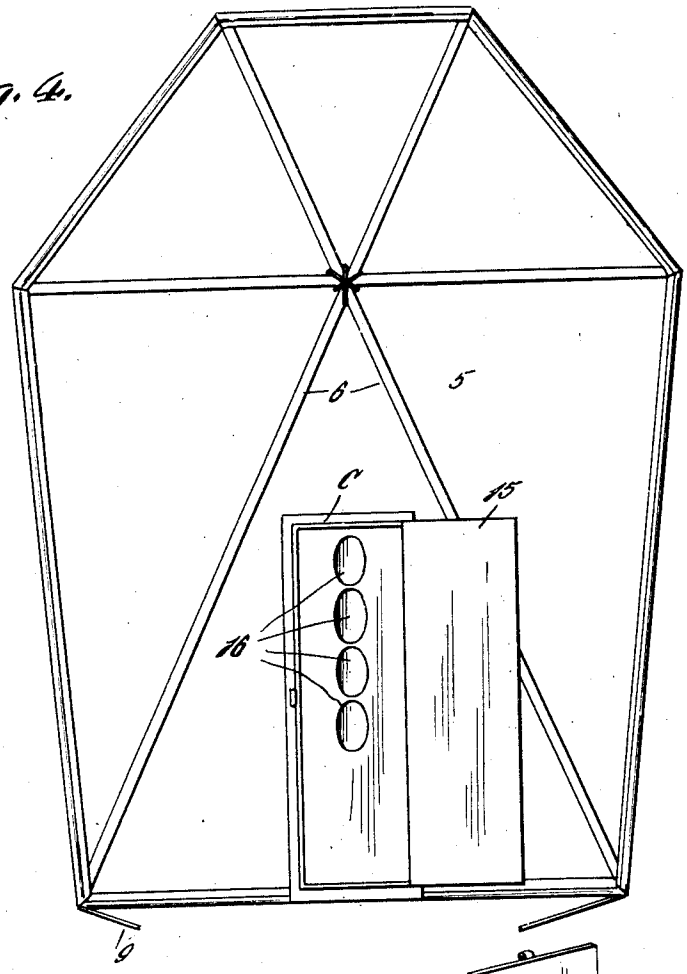


Fig. 7.

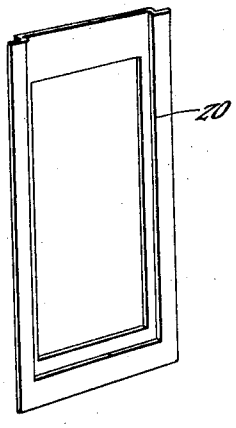
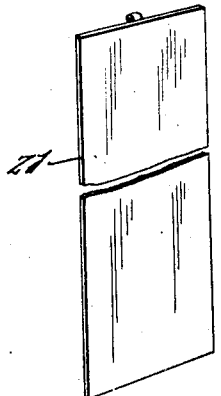


Fig. 8.



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Patented Nov. 12, 1929 1,735,309

UNITED STATES PATENT OFFICE

CHARLES AUGUST ALBRECHT, OF EAST CHICAGO, INDIANA

KITE

Application filed August 10, 1928. Serial No. 298,644.

The present invention relates to a kite and has for its prime object to provide means whereby a plurality of parachutes may be stored on the kite and released at will when the kite is in the air so that the parachutes will slowly descend to the ground.

Another very important object of the invention resides in the provision of a parachute releasing kite of this nature which is exceedingly simple in its construction, inexpensive to manufacture, strong and durable, easy to manipulate, compact and convenient in its arrangement of parts, thoroughly efficient and reliable in use and operation, and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:

Figure 1 is a perspective view of the kite embodying the features of my invention,

Figure 2 is a vertical section therethrough,

Figure 3 is a front elevation of the kite,

Figure 4 is a rear elevation thereof,

Figure 5 is a detail sectional view taken substantially on the line 5—5 of Figure 3,

Figure 6 is a sectional view taken substantially on the line 6—6 of Figure 2,

Figure 7 is a perspective view of a slide way frame,

Figure 8 is a perspective view of the slidable closure, and

Figure 9 is a perspective view of the parachute container.

Referring to the drawing in detail it will be seen that I have disclosed a kite of a well known shape and quite conventional in form but this particular form of kite is utilized merely for the purposes of exemplification, it being understood that the features of my invention may be used with other kites and shapes of kites.

The present kite includes the body 5 mounted on sticks 6 in the usual well known manner and belly bands 7 are secured to the ends of the sticks in the usual well known manner to form a bridle by securing the belly bands to a common ring 8.

A suitable tail structure 9 is secured to the bottom of the kite. The lower portion of the body 5 is provided with an opening 10 which is preferably oblong. An oblong casing tree is fixed to the body 5 over the opening 10 on the rear side of said body.

This casing includes side walls 11, end walls 12, a continuous flange 14 on adjacent edges of the walls to be pasted or otherwise secured to the kite body 5 about the openings 10 and a hinged closure 15.

In the casing are a plurality of tubes 16 for containing parachutes 17 having strings 18 on the ends of which are weights 19 or any other suitable elements to cause the parachutes to descend downwardly and to cause them to open up after being released, as is indicated to advantage in Figure 1 of the drawings wherein one of the parachutes is shown in dotted lines immediately after being released and then in full lines after the parachute is opened up.

A slideway guide frame 20 is fixed to the front of the body 5 about the opening 10 and slidably receives a closure panel 21. A cord, string, or like flexible element 22 is trained through the ring 8 so as to be doubled. A pair of like elements 23 are secured to the upper end of the panel 21 and extend through an eye 24 on the upper portion of the body 5 and are then secured to the runs of the doubled string 22 so that by pulling either of the runs of the string 22 the panel 21 may be slid upwardly.

Elastic members 25 are provided for normally holding the panels 21 closed.

From the above detailed description it will be seen that after the kite has been manipulated properly so as to be in the air by using the string 22 in the usual well known manner it will be seen that the parachutes stored in the tube 16 may be released one at a time by pulling either run of the string 22 as explained.

Obviously with a knite of this nature considerable amustment of a helpful and enter-

taining nature may be had by the young over and above the usual sport of flying a kite.

It will also be seen that advertising matter might be used in conjunction with the parachute. There are numerous other usages to which the parachutes might be put as will be quite apparent.

The construction, operation, and advantages, it is thought, will now be quite apparent to those skilled in this art without a more detailed description.

The present embodiment of the invention has been disclosed in detail, merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

1. In combination, a kite, means for storing a plurality of parachutes on the kite, and means for individually releasing the parachute from the kite when the kite is in the air.

2. In combination, a kite, a casing on the kite, a plurality of tubes in the casing for holding parachutes in a folded condition, a closure for said casing, and means whereby said closure may be opened from the ground when the kite is in flight.

3. In combination, a kite, a casing on the kite, a plurality of tubes in the casing for holding parachutes in a folded condition, a closure for said casing, a bridle for said kite including a ring, a string trained through the ring over upon itself, a pair of strings secured to the closure, an eye through which the pair of strings is trained, said strings of the pair being secured to the runs of the first mentioned strings so that when either run is pulled said closure may be moved to an open position.

4. In combination, a kite, a casing on the kite, a plurality of tubes in the casing for holding parachutes in a folded condition, a closure for said casing, a bridle for said kite including a ring, a string trained through the ring over upon itself, a pair of strings secured to the closure, an eye through which the pair of strings is trained, said strings of the pair being secured to the runs of the first mentioned strings so that when either run is pulled said closure may be moved to an open position, elastic means engaging with said closure to normally hold the same in a closed position.

5. In combination, a kite including a body having an opening therein, a casing on the kite in registry with the opening, a slideway guide frame on the body in the remote side thereof from the casing, a panel slidable in said guide frame, a plurality of tubes in said casing, parachutes stored in said tubes, and means for sliding the panels in an open position to release the parachute.

6. In combination, a kite including a body having an opening therein, a casing on the kite in registry with the opening, a slideway guide frame on the body in the remote side thereof from the casing, a panel slidable in said guide frame, a plurality of tubes in said casing, parachutes stored in said tubes, and means for sliding the panels in an open position to release the parachute, said means comprising a bridle for the kite including a ring, a string trained through the ring over upon itself to provide a pair of runs, a pair of strings one attached to each run of the first mentioned strings and attached to the panels, an eye through which pair of strings is trained.

In testimony whereof I affix my signature.

CHARLES AUGUST ALBRECHT.