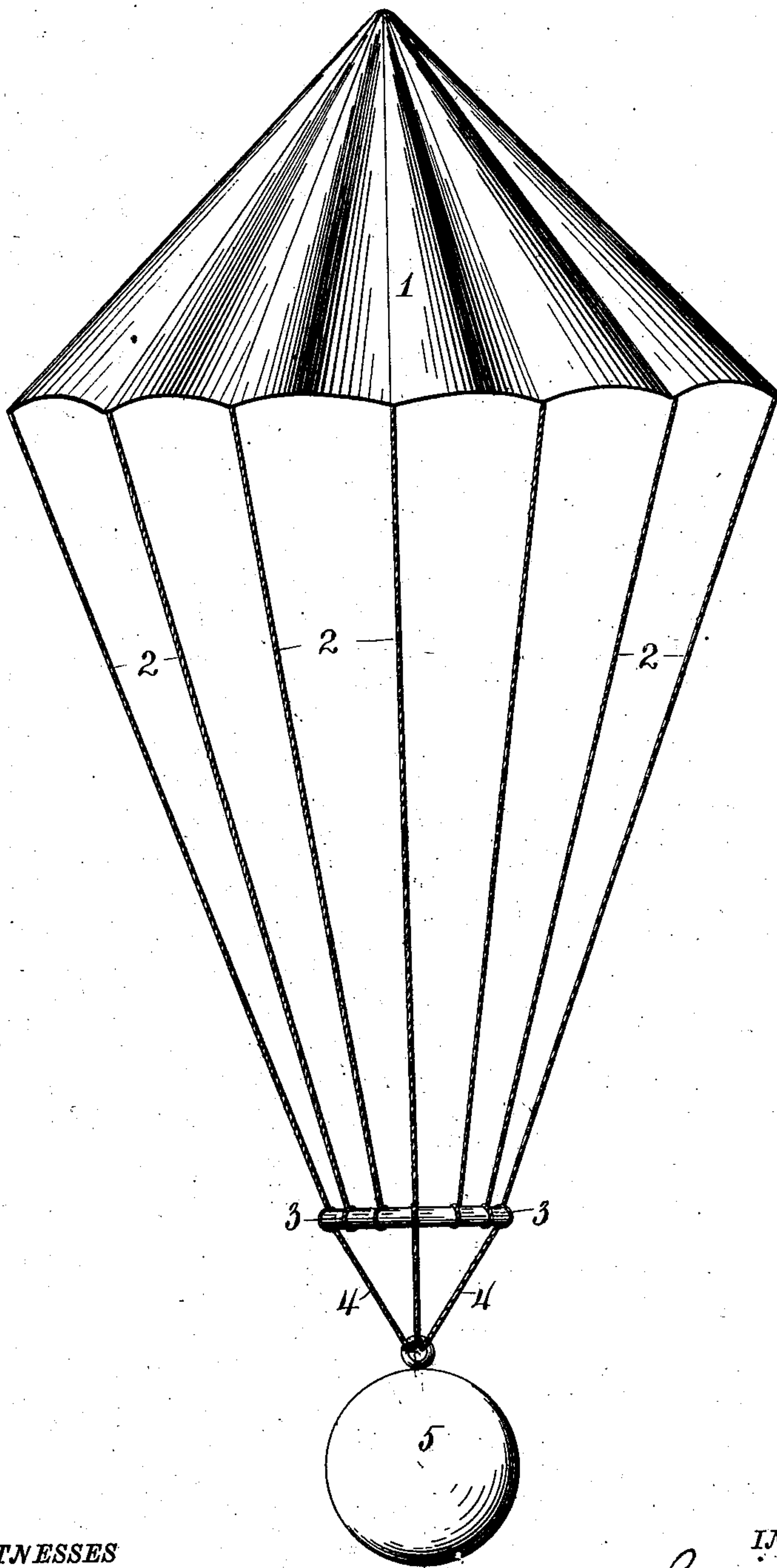


(No Model.)

C. C. FROST.
PARACHUTE.

No. 604,976.

Patented May 31, 1898.



WITNESSES

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UNITED STATES PATENT OFFICE.

CASSIUS C. FROST, OF FULTON, OHIO.

PARACHUTE.

SPECIFICATION forming part of Letters Patent No. 604,976, dated May 31, 1898.

Application filed November 25, 1896. Serial No. 613,383. (No model.)

To all whom it may concern:

Be it known that I, CASSIUS C. FROST, a citizen of the United States, residing at Fulton, in the county of Morrow and State of Ohio, have
5 invented certain new and useful Improvements in Parachutes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it
10 appertains to make and use the same.

This invention is an improvement in toys, the object of the same being to provide a toy parachute which can be thrown into the air to a considerable height and will automatically assume a position that will insure a
15 gradual descent of the same.

With the above object in view the invention consists of a circular piece of flexible fabric, cords attached to the edge of said fabric at short intervals, a ring attached to the
20 other end of the cords, and a solid sphere or ball of heavy material connected to the ring by cords, the sphere or ball being of little larger diameter than the ring, as hereinafter
25 fully described, and particularly set forth in the appended claim.

In the accompanying drawing, which forms a part of this specification, the view illustrates a toy parachute constructed in accordance with my invention, being a side elevation of the device in the position it assumes
30 when descending.

With reference to the drawing, 1 designates a piece of fabric, either silk or other
35 textile of the required degree of flexibility, the piece being preferably circular in shape, and to the edge thereof, at suitable intervals, are attached several lengths of cord 2. To the lower ends of these cords is connected a
40 ring 3, considerably smaller in diameter than the circular fabric, and suspended from this ring by means of cords 4 is a sphere or ball 5, the latter having a small ring to which the
45 cords 4 are connected. The cords 4 by which the ball is suspended from the ring 3 may be a continuation of some of the cords which extend from the edge of the fabric to said ring. The ball is solid and of metal or other heavy material in order that it will possess sufficient specific gravity for the purpose herein-
50 after specified, and it is also desirable that the said ball be of slightly-larger diameter than the ring.

The manner in which the toy is used is to

draw it out lengthwise to its fullest extent by
55 taking hold of the ball at one end and the center of the fabric at the other. Then after bringing the ring 3 to encircle the ball the
60 cords 2 and fabric 1 are wound around the ball and ring and the peak end of the fabric
65 passed into the smaller ring of the ball. Thus the whole device is wrapped into a compact ball and will hold together, so that it may be
70 thrown to a considerable height before it will unwrap, and when it unwraps, the ball, be-
75 ing the heaviest part and descending first, will open the parachute. In throwing the device it is given a revolving motion in a direction to cause the pressure of air against
80 the same to hold the peak end of the fabric
85 in engagement with the ring, and as the rapidity of the motion decreases the air entering the folds of the fabric will loosen it and permit it to unwrap. It will be noted, of course, that the ball or sphere being heavy permits
90 the device to be thrown quite a distance, and being also smooth does not interfere with the unwinding of the cords and fabric. Further, the ring 3, fitting over the ball, as it does, and being attached to the cords, serves to
95 prevent said cords becoming tangled.

A toy parachute constructed as herein shown and described provides a device of this character that will afford considerable amusement to children and will require skill in
100 throwing it.

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

A toy parachute, comprising a circular piece
90 of flexible fabric, cords attached to the edge thereof at suitable intervals, a ring to which the opposite ends of the cords are attached, a solid ball or sphere of heavy material suspended from the ring by cords, and a small ring
95 on the ball or sphere to which the suspending-cords are attached and through which the peak of the fabric is passed when the device is rolled or wrapped around the ball, as herein shown and described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CASSIUS C. FROST.

Witnesses:

H. H. HARLAN,
C. H. WOOD.