J. M. SMITH.

TOY PARACHUTE.

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1,218,330.

Patented Mar. 6, 1917.

Fig. 1.

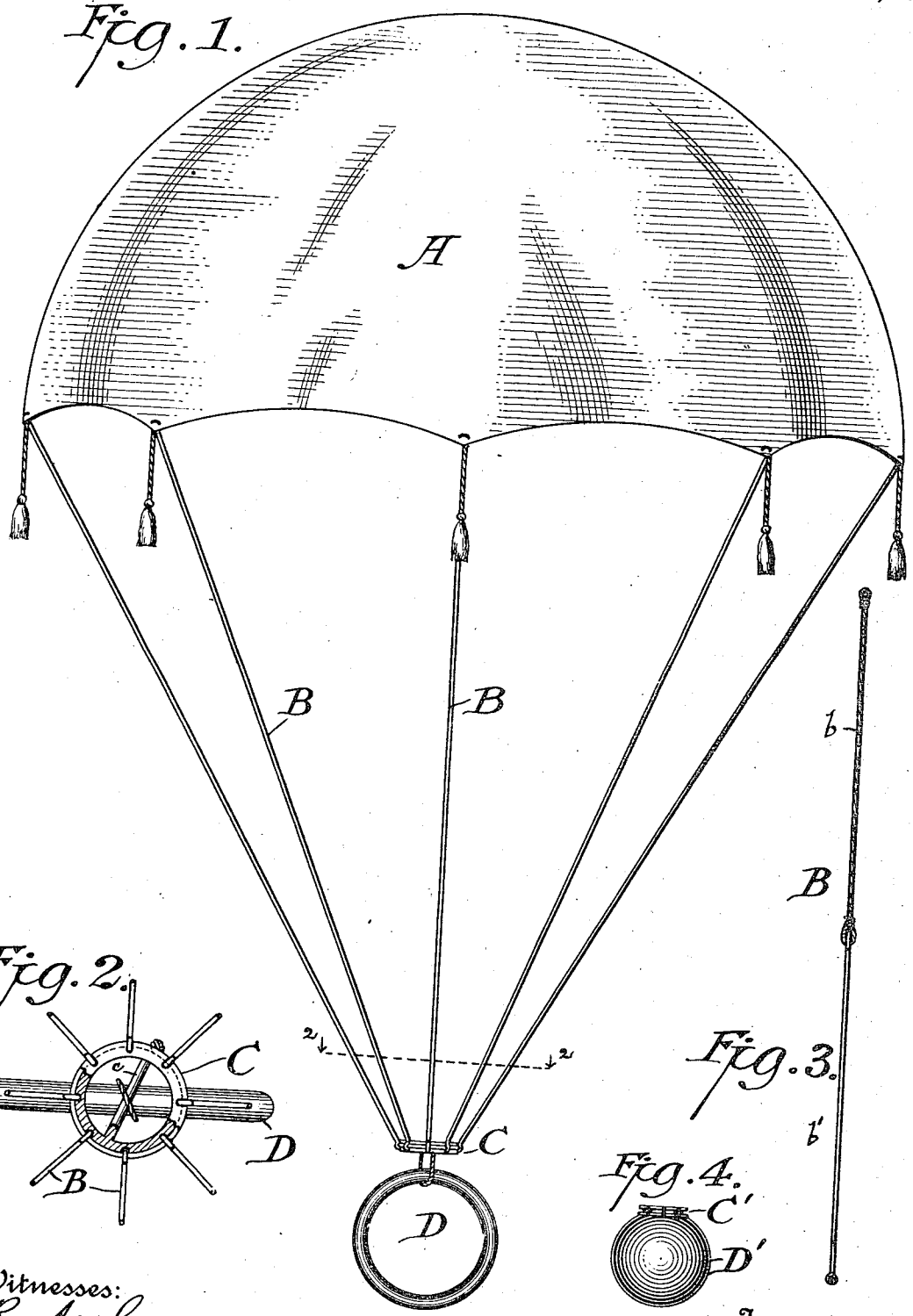


Fig. 2.

Fig. 3.

Fig. 4.

Witnesses:
A. R. Appleman
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UNITED STATES PATENT OFFICE.

JUSTUS M. SMITH, OF OAKHURST, NEW JERSEY.

TOY PARACHUTE.

1,218,330. Specification of Letters Patent. Patented Mar. 6, 1917.

Application filed March 22, 1916. Serial No. 85,797.

To all whom it may concern:

Be it known that I, JUSTUS M. SMITH, a citizen of the United States, residing at Oakhurst, in the county of Monmouth and State of New Jersey, have invented certain new and useful Improvements in Toy Parachutes, of which the following is a specification.

My invention relates to a toy parachute, and will be understood by reference to the accompanying drawings in which Figure 1 is a side elevation of my device; Fig. 2 a horizontal section on the plane of the line 2—2 of Fig. 1; Fig. 3 a modified form of suspension member; and Fig. 4 a modified form of weight which may be used. Similar reference letters indicate similar parts in the several views.

The device is, in general, of well known form comprising an umbrella-shaped member A, which may be of any suitable material, and of a size to present a surface which will give sufficient resistance to the air when falling. To the edge of the member A, I secure a number of suspension members B. In Fig. 1 these members are formed of pieces of wire bent so as to form an eye at the upper end, and adapted to be secured to the member A by stitching. The lower ends of the suspension members are secured, in any suitable way, to a ring C of relatively small diameter. As shown, the ring C has holes punched or formed therein, and the lower ends of the suspension members B are passed through said holes and bent or turned back so as to form a loop embracing the ring, as indicated in Fig. 2. The ring C has a cross-bar *c* from which is suspended a weight D. Instead of rigid suspension members I may make them of the form shown in Fig. 3, in which a part, only such as the lower part *b'*, is made of wire and the upper part *b* of a suitable flexible cord. The rigid suspension members, however, prevent any entanglement and permit the device to open easily, so as to permit a proper descent.

The attaching ring and weight may be made in one piece as shown in Fig. 4, that is, the weight may be made of a ball D' to which the attaching ring C' is secured.

In use, the suspension members are, or may be, drawn together and the device thrown or projected upward. When it reaches the limit of its movement the device will right itself, that is, the weight attached thereto is sufficiently heavy to cause the parachute to descend until the member A opens, when the descent will be checked by the resistance of the air.

The device is intended primarily as a toy and can be manufactured at a comparatively small cost.

What I claim and desire to secure by Letters Patent of the United States is—

1. In a parachute, an umbrella shaped member having rigid suspension members fastened thereto, said rigid suspension members loosely connected to a ring, means for keeping the suspension members from slipping around said ring with respect to the relative position of each other member about said ring, a bar forming a diameter to said ring and a weight suspended from said bar.

2. In a parachute, an umbrella shaped member having rigid suspension members, means for flexibly connecting said suspension members to said umbrella shaped member, a ring pierced with holes, the lower ends of said suspension members being looped through said holes and about a circumference of said ring, and a weight integral with said ring.

3. In a parachute, an umbrella shaped member having rigid suspension members, a ring of relatively small diameter having holes therein through which the lower ends of said suspension members are passed so as to secure said ring and members together, and a weight suspended from said ring.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

JUSTUS M. SMITH.

Witnesses:
ETHEL G. MCCLUSKEY,
JUSTUS W. SMITH.