

No. 700,166.

Patented May 20, 1902.

C. C. BOWERS.
PROJECTILE.

(Application filed Feb. 10, 1902.)

(No Model.)

Fig. 1.

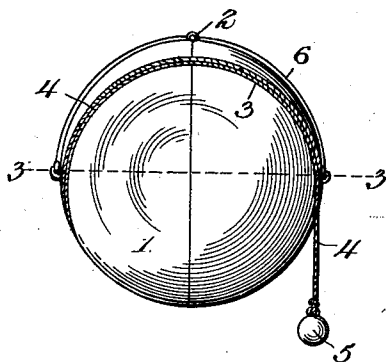


Fig. 2.

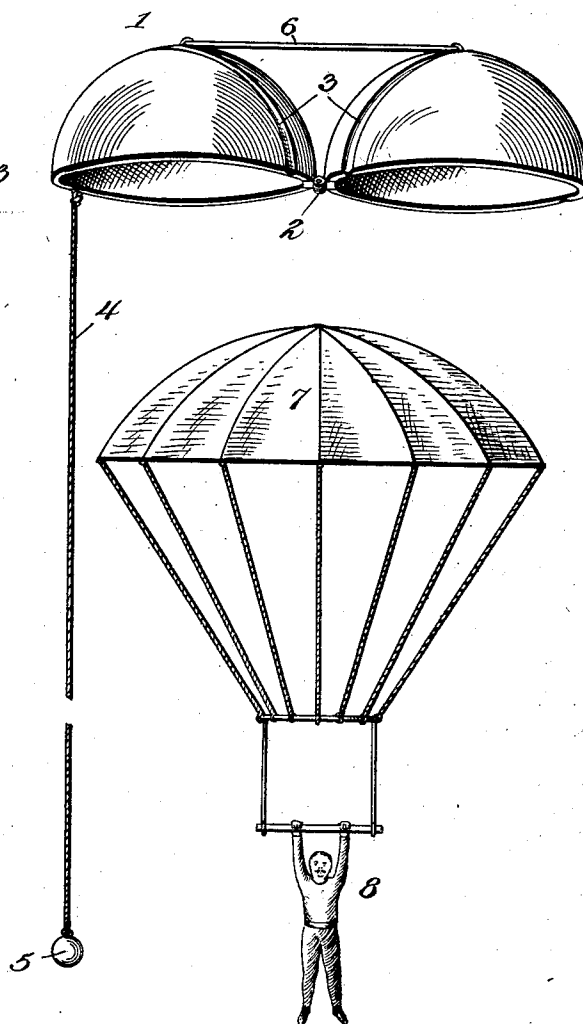
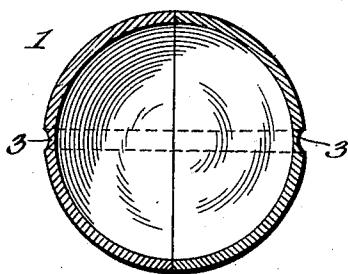


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

CLYDE C. BOWERS, OF CLINTON, IOWA.

PROJECTILE.

SPECIFICATION forming part of Letters Patent No. 700,166, dated May 20, 1902.

Application filed February 10, 1902. Serial No. 93,348. (No model.)

To all whom it may concern:

Be it known that I, CLYDE C. BOWERS, a citizen of the United States of America, residing at Clinton, in the county of Clinton and State of Iowa, have invented certain new and useful Improvements in Projectiles, of which the following is a specification.

This invention relates to projectiles, and particularly to that class designed for use as a toy or for containing daylight displays substituting pyrotechnics.

The object of the invention is to produce a projectile adapted to confine an object until said projectile has attained a comparatively great altitude and then release said object, which is so constructed as to descend gradually on the parachute principle, so as to remain in the air as long as possible. So, too, the projectile may be employed as a toy which being propelled in the air will release a figure for the amusement of children.

A further object of the invention is to produce a projectile and provide means for holding it closed a certain time, the duration of which may be practically predetermined by the length of the retaining agent employed.

Furthermore, the object of the invention is to provide means for positively opening the projectile to release the object therein.

With the foregoing and other objects in view the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed, whereby a projectile is produced which will possess advantages in points of simplicity and efficiency, proving at the same time comparatively inexpensive.

In describing the invention in detail reference will be had to the accompanying drawings, forming part of this specification, wherein like characters denote corresponding parts in the several views, and in which—

Figure 1 is a view in elevation of the projectile. Fig. 2 is a view of the projectile open and the object released. Fig. 3 is a sectional view on the line 3 3 of Fig. 1 with the fasteners for the elastic omitted.

In the drawings, 1 denotes the projectile, consisting of two hollow sections secured together by the hinges 2. Each section has a groove 3, which registers when the sections

are closed, thus forming a circumferential channel for the reception of the string 4, which is wound thereon. The weight 5 is attached to the end of the string 4 and serves to unwind said string as the projectile ascends, and when completely unwound the sections are free to separate, as shown in Fig. 2. The elastic connection 6, secured to each section, serves to swing the section apart to release the contents and to hold them separate while descending. The parachute 7 supports the weighted figure 8 to cause the parachute to distend and descend gradually as the air is displaced. The parachute may be in the form of animals or other objects and when released will present a pleasing effect.

The construction, operation, and advantages will, it is thought, be understood from the foregoing description, it being noted that changes in the proportions and details of construction may be resorted to for successfully carrying the invention into practice.

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

1. A projectile comprising two sections which are semicircular and hollow, hinges for joining the sections together and a weighted string secured to one section and wound about said sections for holding them together a predetermined time, and a figure inclosed and carried by the sections, adapted to distend when released, as and for the purpose described.

2. A projectile comprising two semicircular sections having a circumferential groove, hinges connecting said sections, an elastic connection secured to each of the sections over their hinged portions, a string secured to one of the sections and wrapped in the groove, a weight, a string to which the weight is secured, said string being attached to one of the sections as stated, and a figure confined and carried by the projectile.

In testimony whereof I affix my signature, in the presence of two witnesses, this 31st day of January, 1902.

CLYDE C. BOWERS.

Witnesses:

C. E. MEAD,
M. A. BRITT.