

No. 633,082.

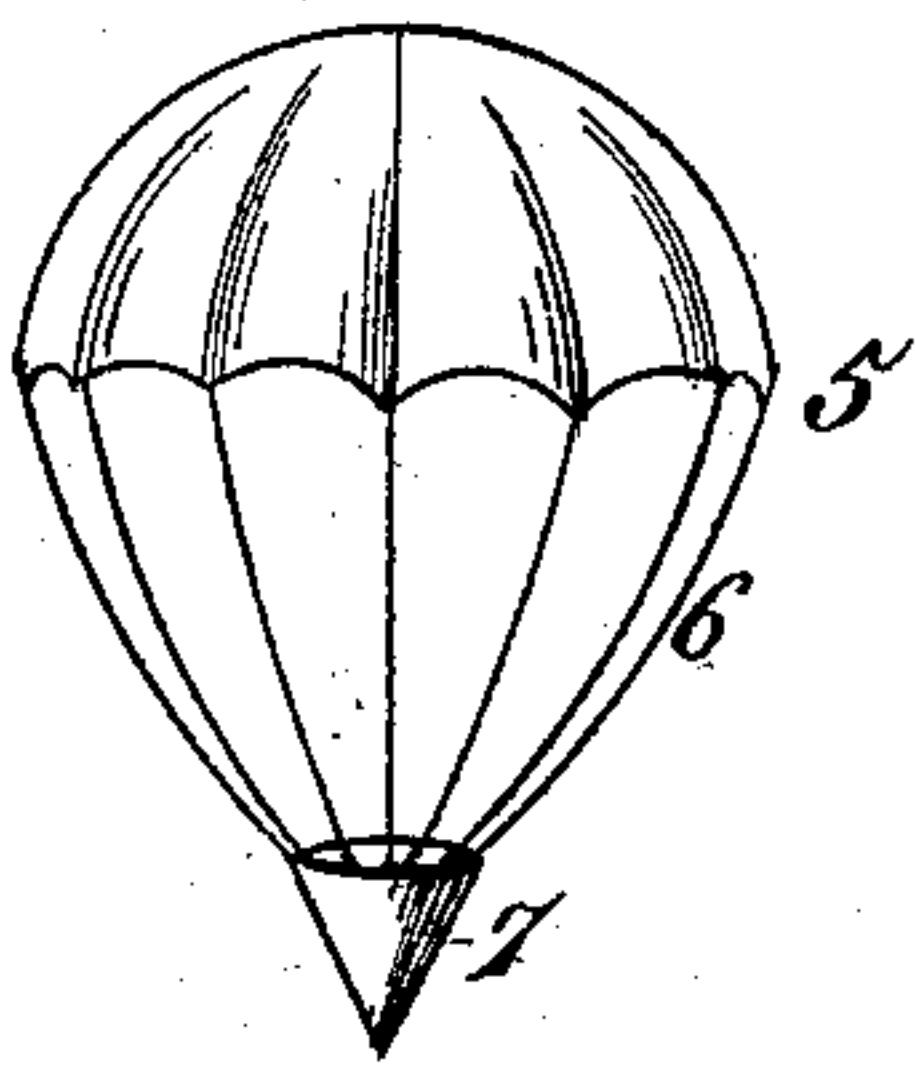
Patented Sept. 12, 1899.

J. T. DAVEY.  
TOY PARACHUTE.

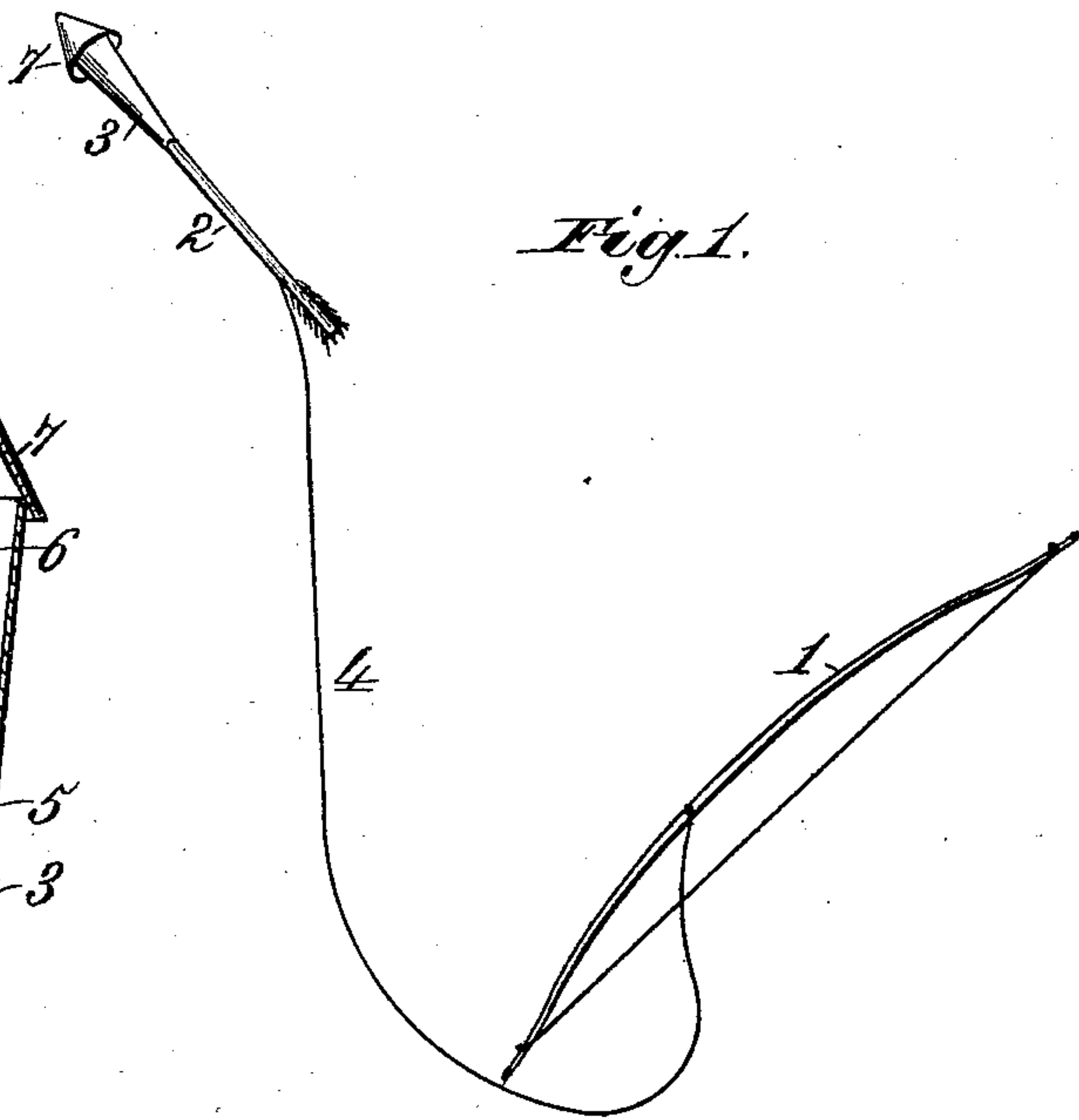
(Application filed May 3, 1899.)

(No Model.)

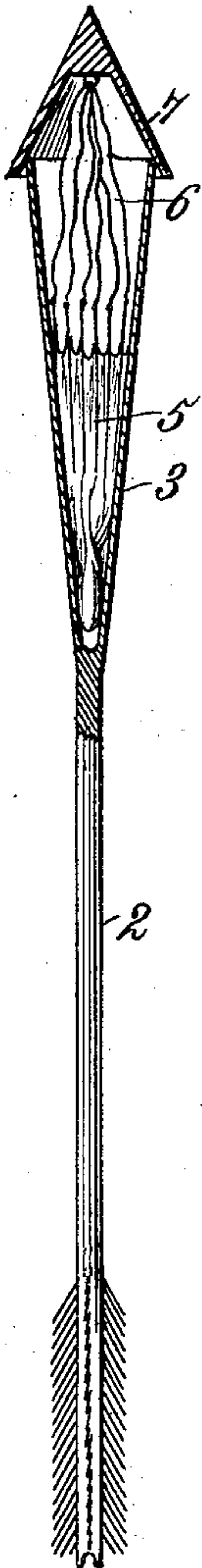
*Fig. 2.*



*Fig. 1.*



*Fig. 3.*



Witnesses:  
*Robert Everett*  
*R. D. Johnston Jr.*

Inventor,  
*John T. Davey*  
By *James L. Norris*  
*Norris*

# UNITED STATES PATENT OFFICE.

JOHN T. DAVEY, OF ASHLAND, WISCONSIN.

## TOY PARACHUTE.

SPECIFICATION forming part of Letters Patent No. 633,082, dated September 12, 1899.

Application filed May 3, 1899. Serial No. 715,456. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN T. DAVEY, a citizen of the United States, residing at Ashland, in the county of Ashland and State of Wisconsin, have invented new and useful Improvements in Toy Parachutes, of which the following is a specification.

This invention has for its object to provide a new and improved toy wherein a toy parachute is disconnected from a projectile shot from a projectile-propelling instrument, when the flight of the projectile is suddenly arrested, so that the parachute will open and slowly descend or be wafted about in the air. This object is accomplished in the manner and by the means hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a view illustrative of the projectile in its flight with the parachute held therein. Fig. 2 is a view of the parachute in its open position after it has left the projectile, and Fig. 3 is a detail sectional view of the projectile.

Like reference-numerals indicate like parts in the several views.

In the drawings the numeral 1 indicates a projectile-propelling instrument designed to be actuated by an operator or person for propelling or shooting a projectile 2 into the air. The propelling implement is preferably in the form of an ordinary bow for shooting arrows, and the projectile is preferably of the general form of an arrow. The forward end of the projectile 2 is cup-shaped, being formed with a socket 3, and the rear end of said projectile is permanently connected to the propelling means 1 by means of a cord 4, which is of sufficient length to permit of the projectile being thrown or shot a considerable distance from the propelling means. The parachute 5 may be made of the usual stiffening-ribs and cover, the latter having attached to it at intervals around its lower edge the cords 6, which meet at their outer ends and are secured to the cone-shaped weight or dart 7.

In using the device the parachute is folded and the ribs and cover thereof are introduced into the socket 3 of the projectile, with the cone-shaped dart 7 covering the open end of the socket. The parachute is held in place

in the projectile by friction. As the latter is shot from the bow 1 or other propelling means it of course carries the parachute with it until a distance has been traversed equal to the length of the cord 4. The motion of the projectile is then suddenly arrested; but the parachute continues its movement until the force which propelled it is spent, when it begins its descent. In falling the weight or dart is slowest and the ribs and covering open up, thereby causing the parachute to descend very slowly or to be wafted about by the currents of air.

By the construction described an extremely interesting toy has been provided, which is simple and cheap in construction and easily operated.

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

1. The combination with a projectile having a socket in its front end portion, and a propelling instrument for propelling the projectile, of a cord connecting the propelling instrument with the projectile for suddenly arresting the flight of the latter, and a parachute frictionally secured in the said socket and ejected therefrom when the flight of the projectile is arrested.

2. The combination with a projectile having a socket in its forward end and propelling means therefor, of a parachute adapted to fit, and be frictionally secured, in said socket, and means for arresting the flight of said projectile, as and for the purpose set forth.

3. The combination with a projectile having a socket in its forward end and propelling means therefor, of a parachute adapted to fit, and be frictionally secured in said socket, having a cone-shaped dart or weight thereon adapted to close the mouth of said socket, and means for arresting the flight of said projectile, as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN T. DAVEY.

Witnesses:

O. H. FOSTER,  
EDGAR FOSTER.