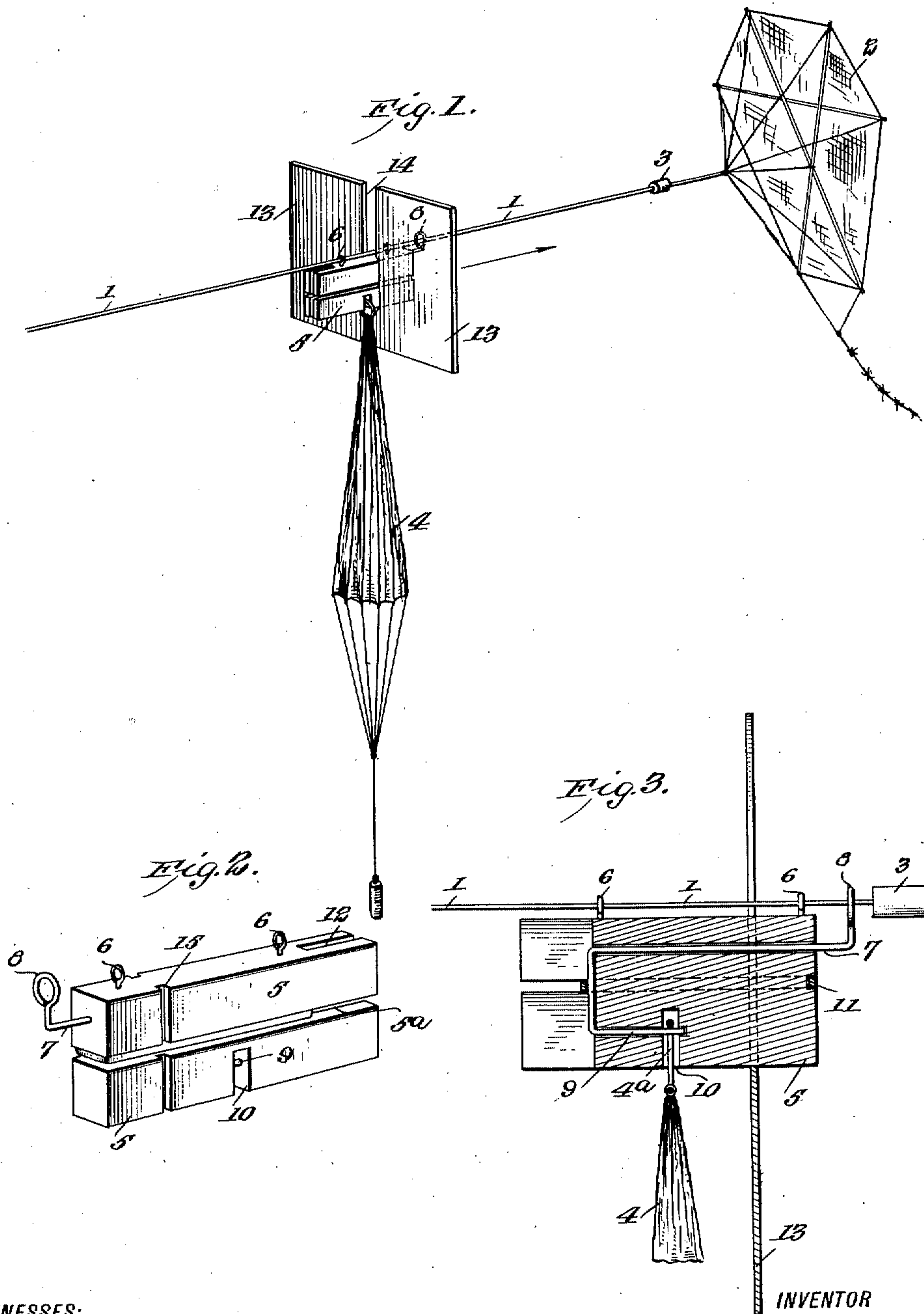


F. A. TERRY.
AERIAL TOY.
APPLICATION FILED MAY 5, 1910.

985,301.

Patented Feb. 28, 1911.



WITNESSES:
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UNITED STATES PATENT OFFICE.

FRANKLIN ADELBERT TERRY, OF SAN FRANCISCO, CALIFORNIA.

AERIAL TOY.

985,301.

Specification of Letters Patent.

Patented Feb. 28, 1911.

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To all whom it may concern:

Be it known that I, FRANKLIN A. TERRY, a citizen of the United States, and a resident of San Francisco, in the county of San Francisco and State of California, have invented certain Improvements in Aerial Toys, of which the following is a specification.

My invention includes means for suspending a parachute or other object from a string or wire that may be connected with a kite, and for automatically releasing such parachute or other object upon reaching the proximity of the kite.

The details of construction are as hereinafter set forth, and illustrated in the accompanying drawing in which—

Figure 1 is a perspective view illustrating my invention as it appears in actual use. Fig. 2 is a perspective view of the parachute, or toy, suspending and releasing device. Fig. 3 is a sectional view of said device, together with the wind-board forming an attachment therefor.

1 indicates a string or wire connected with a kite 2 and provided with a stop 3 located near the kite. A parachute or other object 4 is suspended from a device that is adapted to travel on the wire. The said device consists of a block 5 provided with hooks or screw-eyes 6 through which the kite-string passes, and with an automatic suspending and releasing device 7, constructed as follows. The same is formed of a wire bent at one end to form a loop 8 through which the kite-string 1 passes, its other end being bent twice at a right angle and the body of the wire passing through a longitudinal hole in the block 5 while its extremity enters another hole 9 and crosses an open slot 10 formed in the lower side of the block. The parachute 4 is provided with a ring 4^a through which the bent end 9 of the wire 7 passes, as shown in Figs. 1 and 3, whereby the parachute is suspended. For holding the wire catch normally engaged with the parachute ring 4^a, I employ a rubber spring 11, which passes around the block lengthwise and is held in a groove or slot 5^a as shown. Thus, at one end the endless spring band 11 presses against the bent rear end of the catch 7 and holds it against the adjacent end portion of the block 5. Such end of the block may be also slotted vertically, as shown at 12, in order to furnish a guide for the bent rear end of the wire catch in the

sliding movement required for releasing the parachute.

It will now be apparent that, if the suspending device be slid on the string toward the kite until the loop 8 of the wire catch comes in contact with the stop 3, the said catch will be forced backward against the tension of the spring 11, thus releasing the end 9 of the catch from the parachute ring and thereby automatically releasing the parachute and allowing it to fall, whereupon it will spread out in the well-known way and descend more or less slowly to the earth.

For the purpose of propelling the suspending device upward on the kite-string, I employ a device in the nature of a sail, the same being preferably constructed of cardboard, or thin wooden board, 13, and having an open slot 14 into which one end of the block 5 is pressed, the sides of the block being provided with transverse grooves 15 to receive the edges of the board which border its slot 14. The board 13 is thus made easily detachable, but is held in place by friction when required for use.

My invention thus constitutes a simple, inexpensive, but efficient means for suspending and automatically releasing a parachute or other small object, and thus forms a highly amusing toy.

I desire it to be understood that my invention is not restricted to the particular form of string nor the particular construction and arrangement of the catch, nor the particular construction of the wind-board, it being intended to employ any suitable means for holding and automatically releasing an object and any suitable construction of sail adapted to propel the suspending device along the string. The latter may be of course attached to any high object instead of a kite.

What I claim is:—

1. In an apparatus for the purpose specified, the combination with a block adapted to travel on a kite-string, of a catch adapted to suspend a parachute and having sliding engagement with the block whereby it may be automatically adjusted for release of the parachute, the same consisting of a wire that is slidable in the block and having one end bent for engagement with the parachute attachment, and an endless rubber band surrounding the block and held in contact with the catch, substantially as described.

2. In an apparatus of the class indicated, the combination with a block adapted to travel on a kite-string and an automatic device for suspending and releasing a parachute, of a detachable wind-board having an open slot, the block having opposite side grooves for receiving the edges of the board

bordering the slot, whereby the board is held detachably by friction, substantially as described.

FRANKLIN ADELBERT TERRY.

Witnesses:

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