

(No Model.)

S. C. KINDIG.
TOY.

No. 591,848.

Patented Oct. 19, 1897.

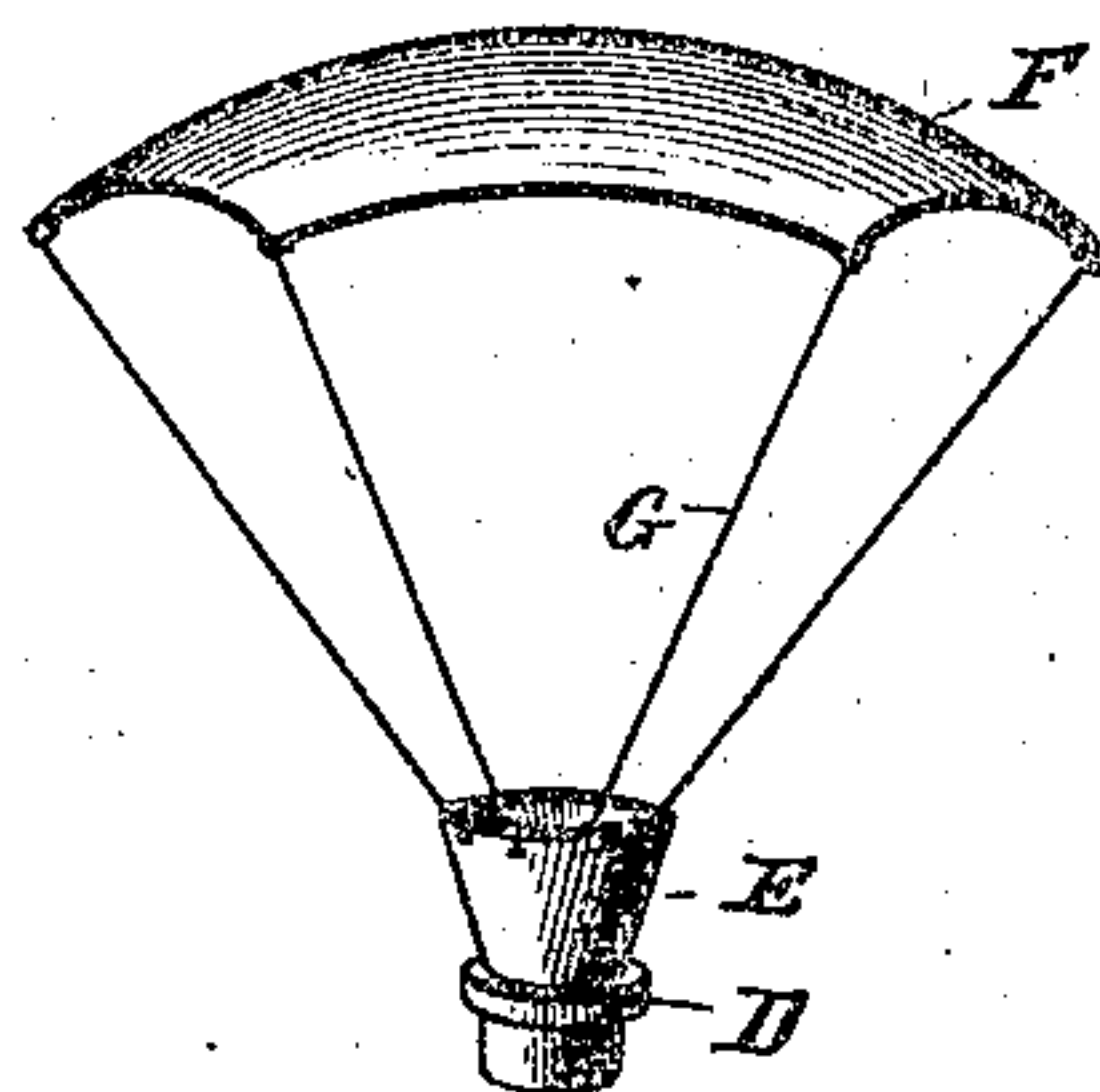
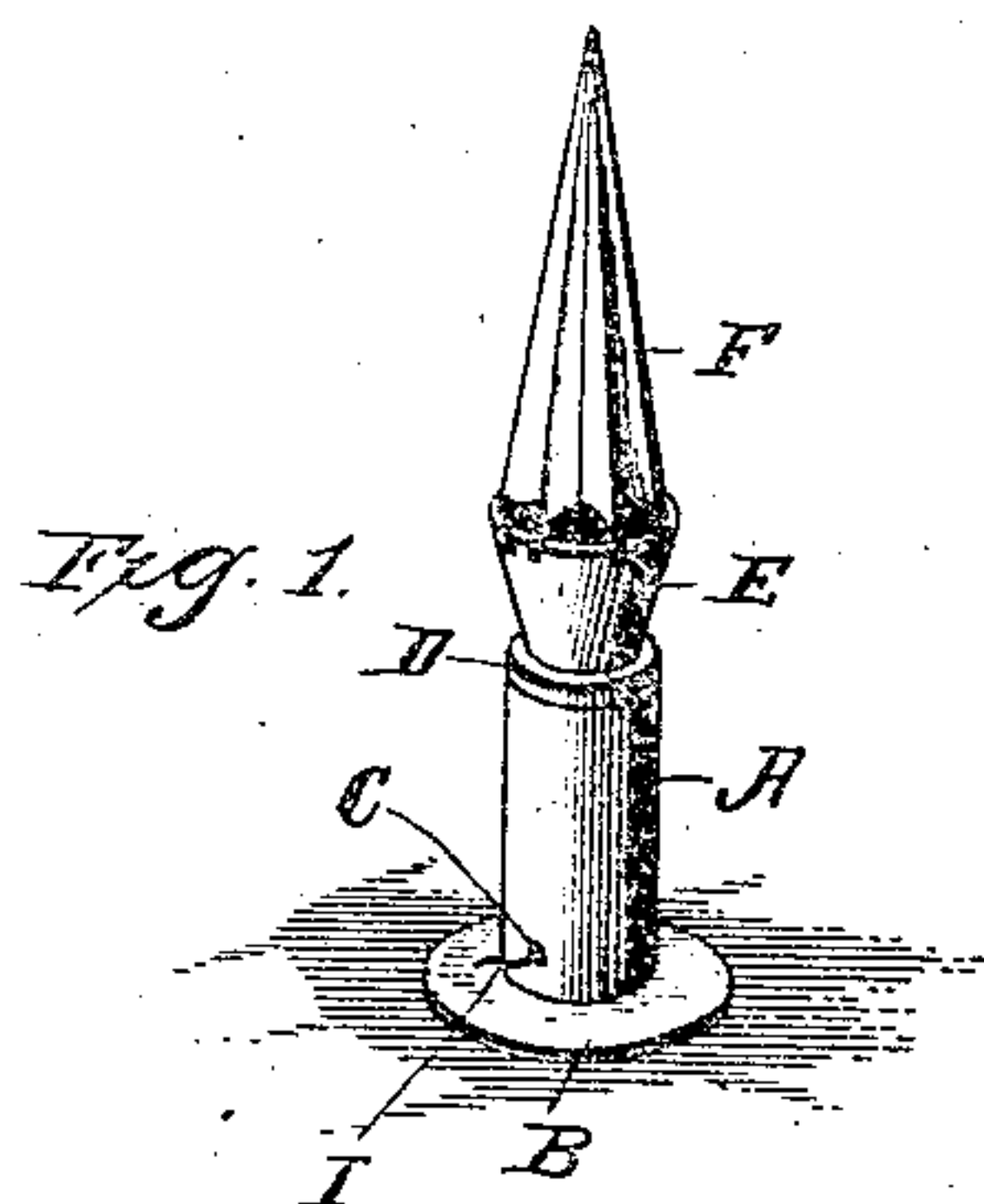
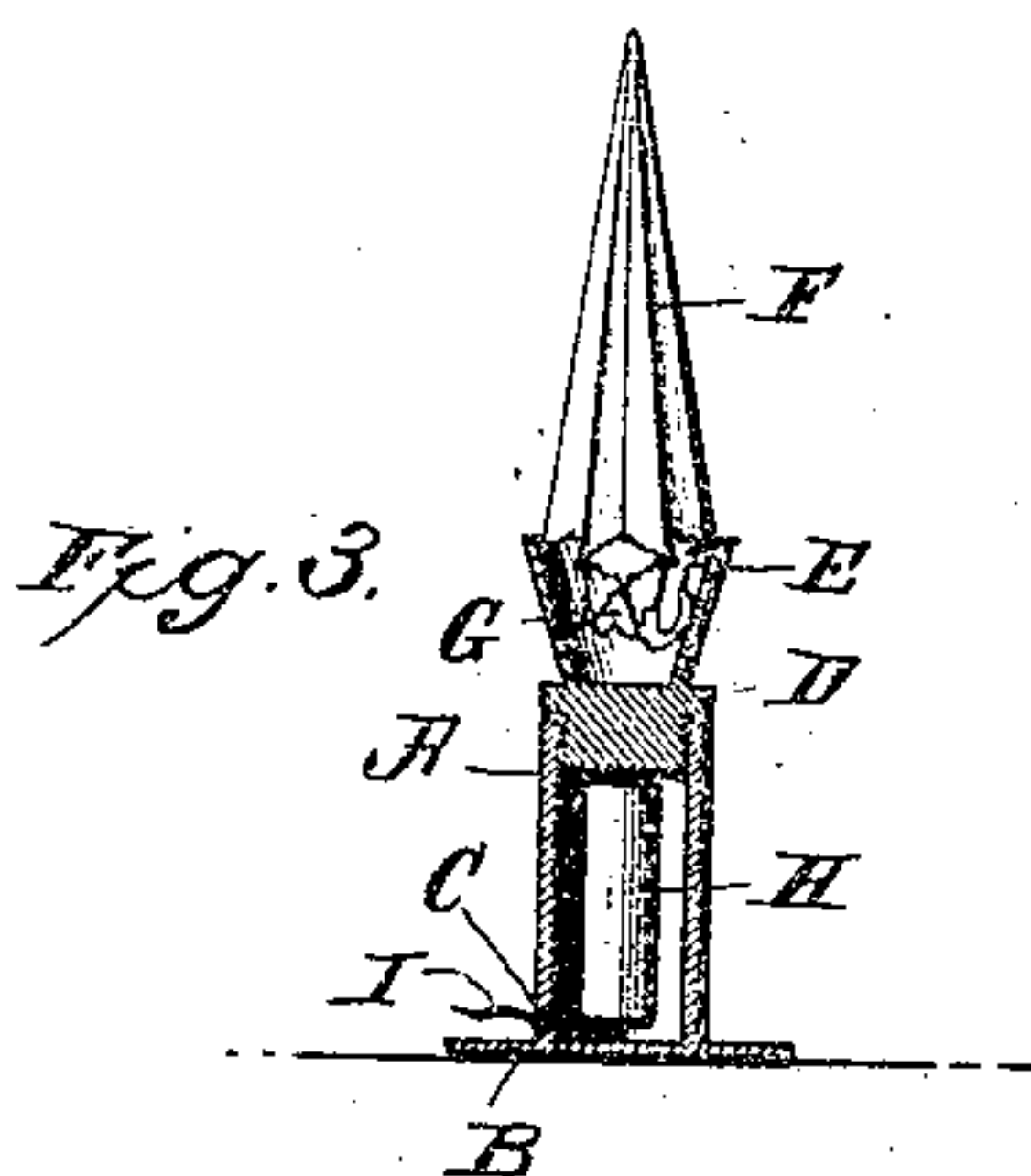
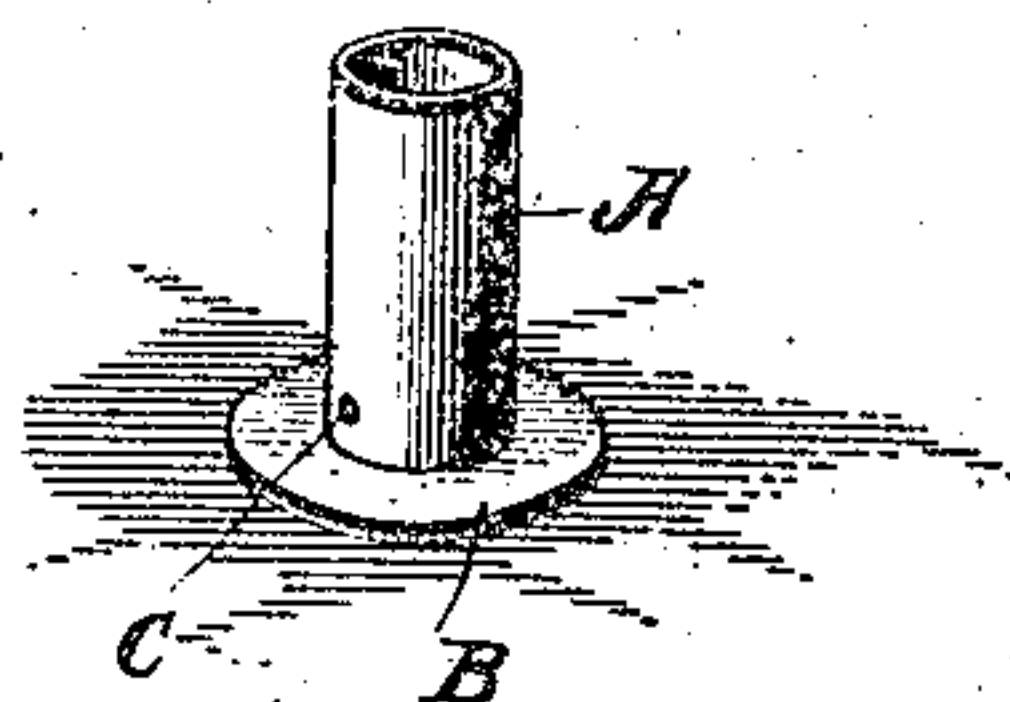


Fig. 2.



Witnesses
C. C. Wundtman
J. H. Millican

Inventor
Samuel C. Kindig
by Geo. H. H. H. H.
Attorney

UNITED STATES PATENT OFFICE.

SAMUEL C. KINDIG, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF
TO WILLIAM B. PRICE, OF SAME PLACE.

TOY.

SPECIFICATION forming part of Letters Patent No. 591,848, dated October 19, 1897.

Application filed December 10, 1896. Serial No. 615,123. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL C. KINDIG, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented an Improvement in Toys, of which the following is a specification.

My invention relates to a new and amusing toy, which consists of an explosive-chamber, a stopper therefor, and a parachute carried by the stopper, and means provided for the insertion of the explosion of a fire-cracker within the chamber, so as to propel the stopper and parachute carried thereby to a considerable height, after which the parachute will open upon the first tendency of the stopper to descend, causing it to float in the air and only descend by gradual stages, if there be no considerable current of air, while if such a current exists at the time the parachute will be buoyed upward, and when said current has an upward tendency, as is sometimes the case, the parachute will rise to such a height as to pass out of sight.

In the accompanying drawings, which form a part of this specification, Figure 1 is a perspective of a toy made in accordance with my improvement, showing the same assembled ready for a discharge; Fig. 2, a similar view after the discharge has taken place and the parachute has been projected upward; and Fig. 3, a section of the stopper and explosive-chamber, showing one arrangement of the parachute in connection therewith.

In carrying out my invention as here embodied I provide a tube A, which has a flange B, formed therewith or secured thereto, and this tube and flange may be of any suitable material, such as wood or any metal, and in the tube is formed a hole C of sufficient size to pass the fuse of a fire-cracker or other explosive therethrough, the flange serving to hold the tube in its proper upright position when in use.

A stopper D, preferably of wood, is arranged to fit the upper end of the tube and has a flared recessed head E, into which fits the ends of the parachute F when the latter is folded, as shown in Figs. 1 and 3, and the construction which I prefer for this parachute is that it shall be composed of light ribs having a suitable covering of paper or like mate-

rial, and these ribs have secured thereto at their outer ends light cords or threads G, which latter are attached to the head of the stopper, so that when the parachute is folded the cords will lie within the recess in said head, and yet when the stopper and parachute have been projected upward and the force of this projection has been spent the stopper will move downward relative to the parachute and free the ends of the cords thereof, so that said parachute may expand and perform its function.

The manner of using the device is to insert a fire-cracker or other explosive H within the tube, the end thereof being placed downward and the fuse I passed through the hole C, so that it may be ignited for the purpose of exploding the fire-cracker or other explosive, after which the stopper is placed in the upper end of the tube and the fuse ignited, which will in time explode the fire-cracker or other explosive and cause the stopper and parachute to be projected to a considerable height, from which it will usually gradually descend, after the manner of a full-size parachute, thus giving a realistic representation of the operations of such a device.

I do not wish to be limited to the exact form of parachute, as this may be varied and the construction thereof altered without departing from the spirit of my invention.

It is also obvious that a spring might be utilized for the projection of the stopper and parachute, it only being necessary that a suitable trigger be provided for retaining the spring in its compressed condition and permitting its being tripped.

The cost of manufacture of a toy made in accordance with my improvement is exceedingly small, since the tube and flange may be cast or made in a single piece, requiring no hand labor for finishing, and the stopper may be made of a single piece of wood or papier-mâché, yet an endless amount of amusement will be afforded to young persons in the manipulation of the device as well as instruction as to the buoyancy and general action of the air upon floating bodies.

Having thus fully described my invention, what I claim is—

1. A toy consisting of an explosive-cham-

ber, a stopper therefor having a recess, and
a parachute attached to said stopper by a
series of cords, said parachute being adapted
to be folded to form an arrow-head with ends
5 and strings contained in the recess, as and
for the purpose described.

2. A toy, consisting of a tube, a flange
formed with said tube, said tube having a hole
formed therein for the passage of a fire-cracker
10 or other explosive fuse, a stopper fitted to the
upper end of the tube, a head formed with
said stopper having a recess therein, and a
parachute so attached to said head as to per-
mit the folding of its ends, and cords within
15 the recess, as specified.

3. In a toy, the combination of the tube
having a hole formed therein for the passage

of the fuse of a fire-cracker or other explosive,
a flange formed with the lower end thereof,
a stopper fitted to the upper end of the tube, 20
a head formed with said stopper, said head
having a recess therein, and a parachute at-
tached to said stopper by a series of cords
whereby when the stopper is projected up-
ward the parachute will act as an arrow-head, 25
but when the stopper commences its descent
the parachute will be spread, as specified.

In testimony whereof I have hereunto af-
fixed my signature in the presence of two sub-
scribing witnesses.

SAMUEL C. KINDIG.

Witnesses:

THOS. KELL BRADFORD,
SAML. D. BRADFORD.