

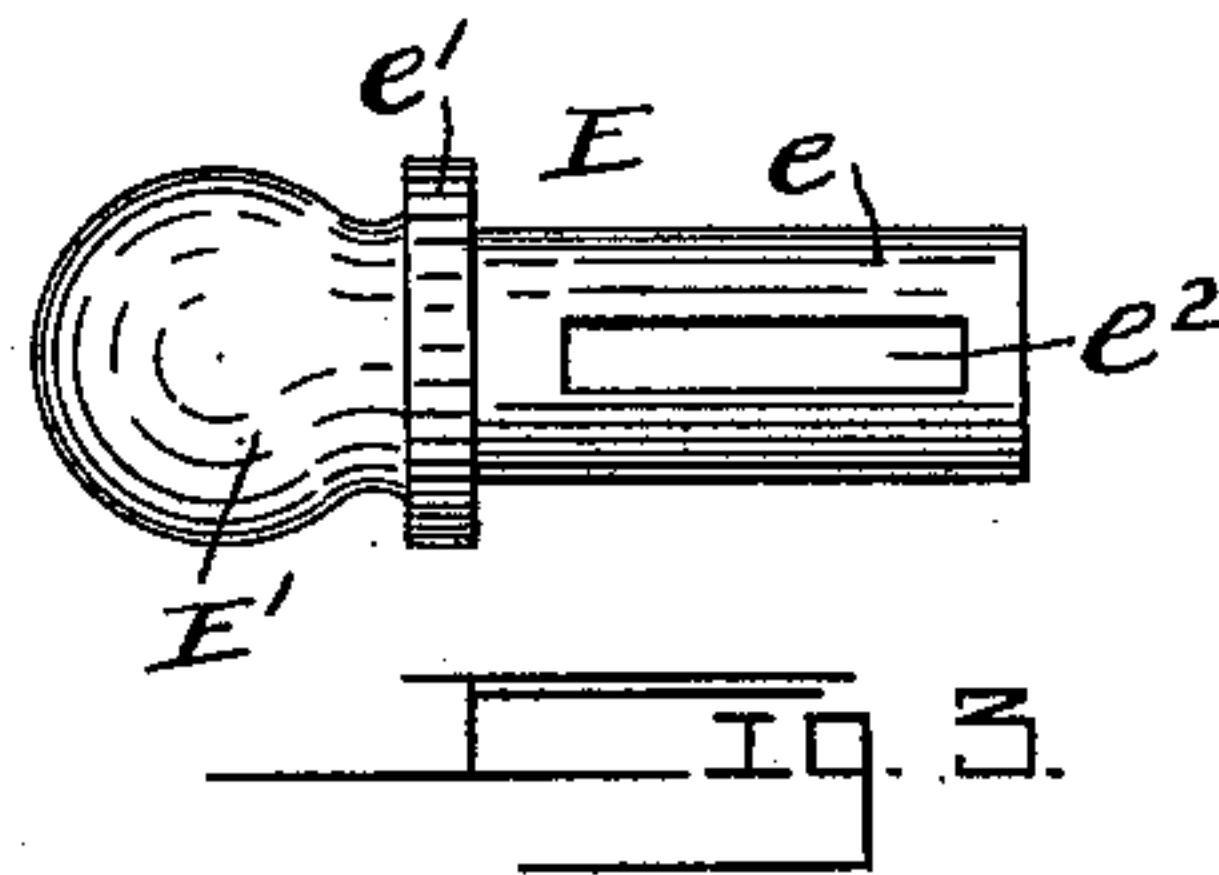
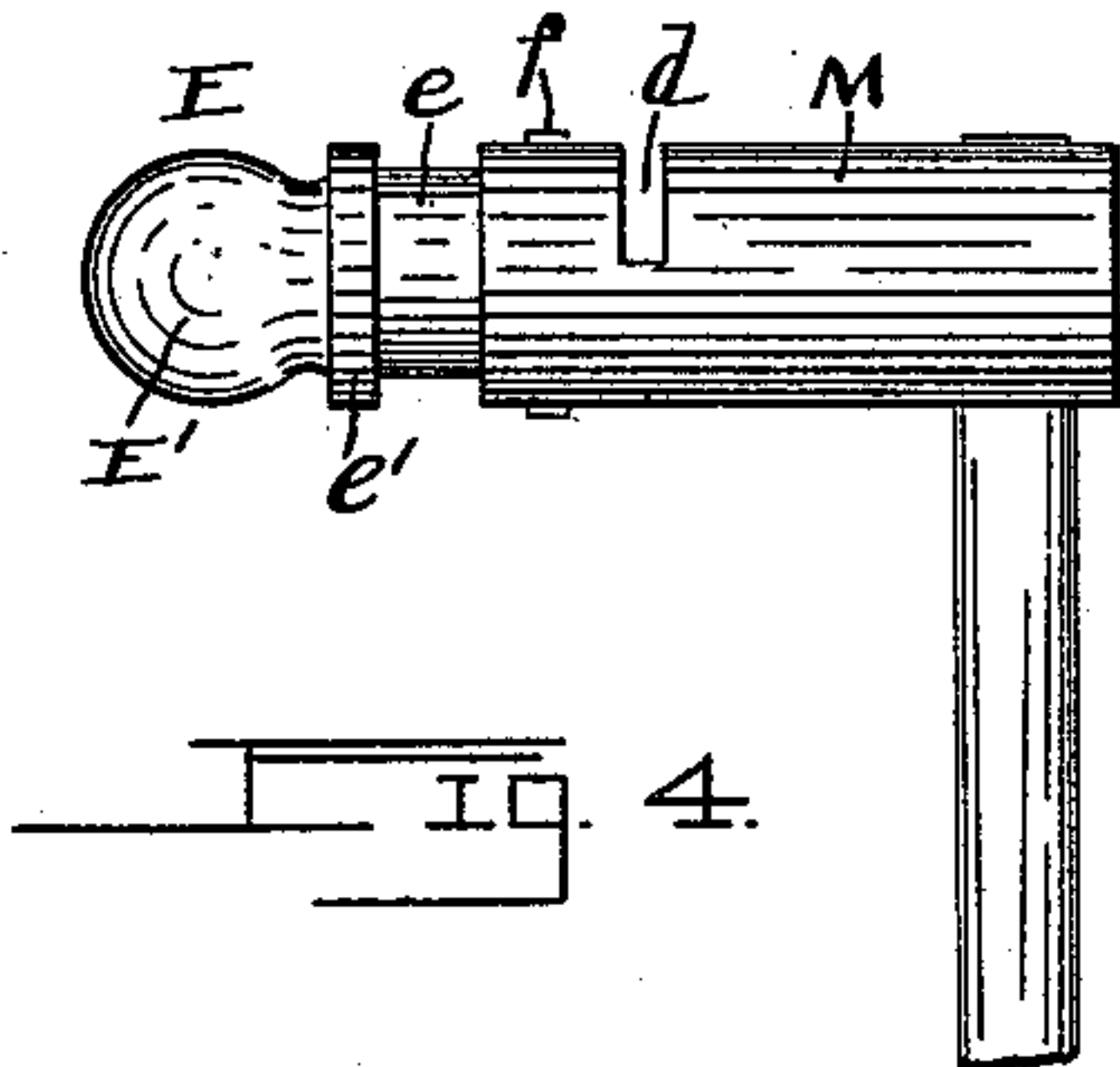
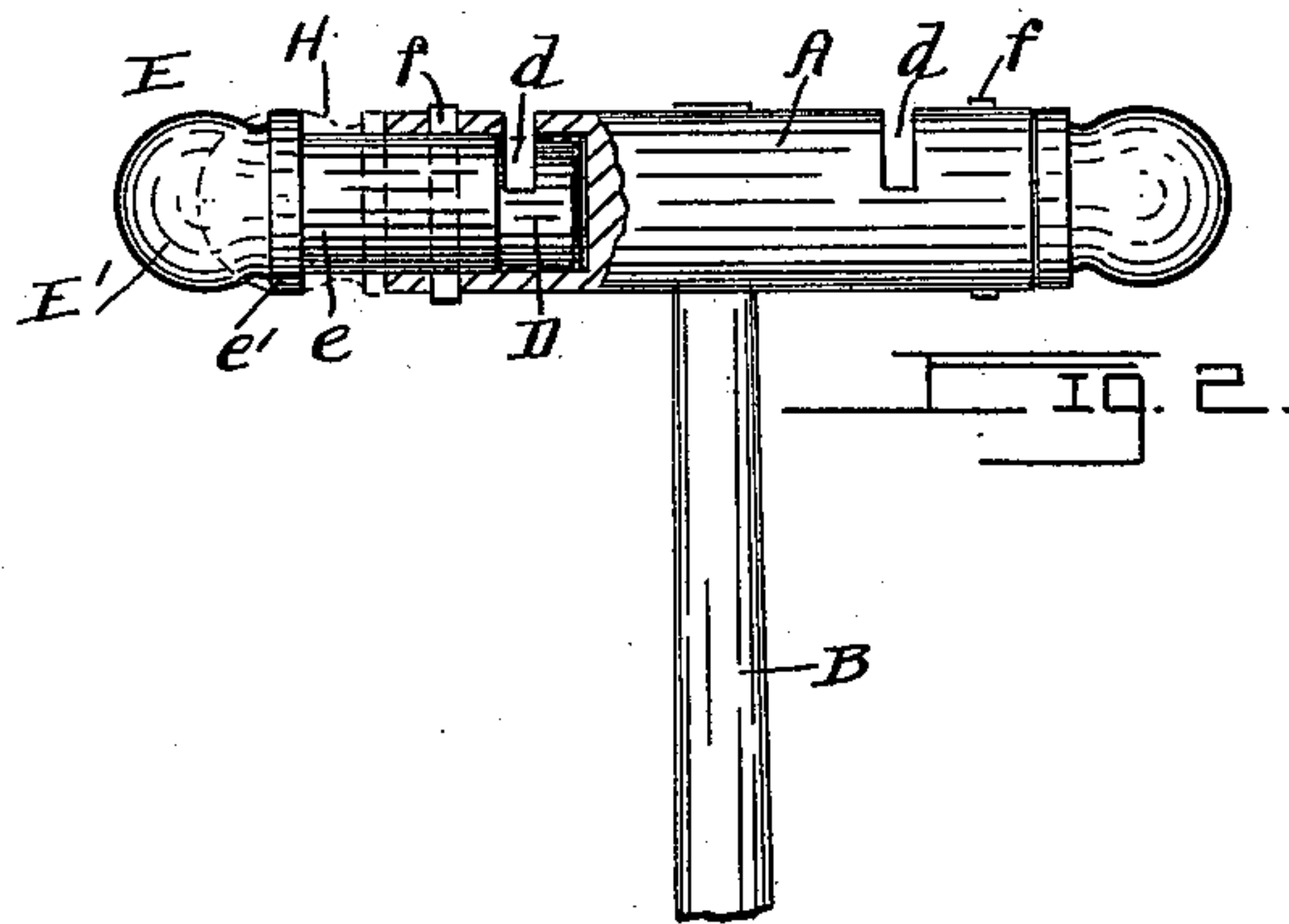
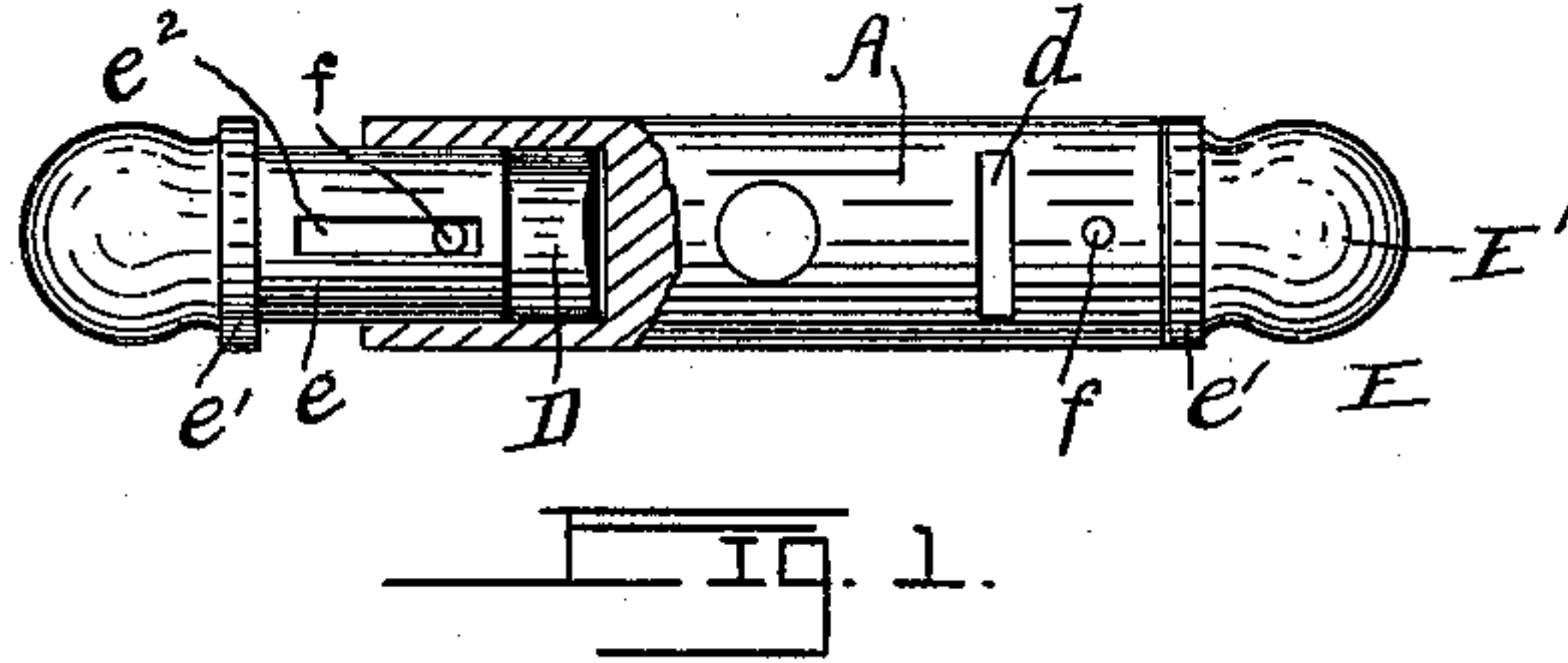
No. 614,182.

Patented Nov. 15, 1898.

A. J. SHENBERGER.  
DETONATING TOY.

(Application filed May 23, 1898.)

(No Model.)



Witnesses:

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# UNITED STATES PATENT OFFICE.

ANDREW J. SHENBERGER, OF LANCASTER, PENNSYLVANIA.

## DETONATING TOY.

SPECIFICATION forming part of Letters Patent No. 614,182, dated November 15, 1898.

Application filed May 23, 1898. Serial No. 681,419. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW J. SHENBERGER, a citizen of the United States, residing at Lancaster, in the county of Lancaster, State of Pennsylvania, have invented certain Improvements in Detonating Toys, of which the following is a specification.

My invention relates to improvements in that class of toy devices employed for exploding detonating pellets or caps; and the objects of my invention are, first, to provide a toy of this character more convenient for handling than those in use, and, second, to so construct the device that there can be no possible danger to the operator from the flying pieces of pellets or caps that are exploded, for with all other detonating toys there is always more or less liability of some of such flying pieces striking the person using the device, inflicting slight but oftentimes irritating wounds, which may be dangerous when one of the pieces strikes an eye.

The invention comprises a detonating hammer; and it consists in the construction and combination of the various parts, as herein-after fully described and then pointed out in the claims.

In the accompanying drawings, which form a part of this specification, Figure 1 is a top plan view of the head of the hammer, a portion of the same being cut away to show the socket in one end thereof, with the operating mechanism in the same; Fig. 2, a side view of the hammer, the head being also cut away as in Fig. 1; Fig. 3, a top view of one of the plungers detached, and Fig. 4 a side view of a hammer of modified construction.

Similar letters indicate like parts throughout the several views.

Referring to the details of the drawings, A indicates the double head of a detonating hammer, and B the handle of the same, let into the head or otherwise engaged therewith in the same manner as with any other hammer. In each end of head A is a socket D, extending inward, as shown, and through the wall of the socket on the side of the head opposite to that on which the handle is located is a transverse slot *d*, located somewhat in front of the bottom of the socket.

E is a plunger adapted to play lengthwise of the socket, and the stem *e* of which is of

the same length as the socket. At the outer end of stem *e* is a rim or annular flange *e'*, and outside of that is a handhold E'. The plunger is retained in connection with the socket by a pin *f*, located outside of slot *d*, and which passes through a slot *e''* in the plunger and has its ends secured in opposite walls of said socket. The plunger is fitted so tightly in the socket as to require some slight force to move it.

In operating, the plunger is pulled out, as shown in full lines on the left of Figs. 1 and 2. A cap is then inserted through slot *d* of the socket and is settled back against the bottom of the socket by turning the hammer so as to throw the open end of said socket upward, and the plunger is pushed inward until its inner end presses the cap against the bottom of the socket, as shown by broken lines H in Fig. 2, after which the cap is exploded by striking the head of the plunger against a solid body.

Fig. 4 illustrates a hammer having a single head M, the operating mechanism of which is similar to that just described.

As it is obvious that many slight changes in the construction and relative arrangement of parts might be resorted to without departing from the spirit and scope of my invention, I would have it understood that I do not restrict myself to the particular construction and arrangement of parts shown and described, but that I reserve the right to make such changes.

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

1. A hammer-head having a socket in the end and a transverse slot in the wall of said socket, in combination with a handle attached to the side of said head opposite to that in which is located the slot in the wall of the socket, a plunger engaging the socket and having a longitudinal slot therein, and a pin passing through the slot in the plunger and secured in opposite walls of the socket, substantially as and for the purpose specified.

2. A hammer-head having a socket in the end and a transverse slot in the wall of said socket, in combination with a plunger engaging the socket and having a longitudinal slot therein, an annular flange on the outer end



of the stem of the plunger, a handhold on the plunger, a pin passing through the slot in the plunger and secured in opposite walls of the socket, and a handle attached to the hammer-head, for the purpose specified.

3. A hammer-head having a socket in the end and a transverse slot in the wall of said socket, in combination with a plunger engaging the socket and having a longitudinal slot therein, an annular flange on the outer end of the stem of the plunger, a handhold on the plunger and outside of said flange, a pin passing through the slot in the plunger and secured in opposite walls of the socket, and a handle attached to the side of said head opposite to that in which is located the slot in the wall of the socket, substantially as and for the purpose specified.

4. The combination, in a detonating toy, of a double-headed hammer having a socket in the end of each head and a transverse slot in the wall of each socket and somewhat outside of the partition dividing said sockets, a plunger engaging each socket and having a longitudinal slot therein, a pin passing through

the slot in each plunger and secured in opposite walls of the socket, and a handle attached to said head between the sockets, for the purpose specified.

5. The combination, in a detonating toy, of a double-headed hammer having a socket in the end of each head and a transverse slot in the wall of each socket and somewhat outside of the partition dividing said sockets, a plunger engaging each socket and having a longitudinal slot therein, an annular flange on the outer end of the stem of each plunger, and a handhold on each plunger and outside of said flange, a pin passing through the slot in each plunger and secured in opposite walls of the socket, and a handle attached to said head between the sockets and on the side thereof opposite to that in which are located the slots in the walls of the sockets, substantially as and for the purpose specified.

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