

No. 763,440.

PATENTED JUNE 28, 1904.

G. STEVENSON.
CANDLE EXTINGUISHER.
APPLICATION FILED SEPT. 15, 1903.

NO MODEL.

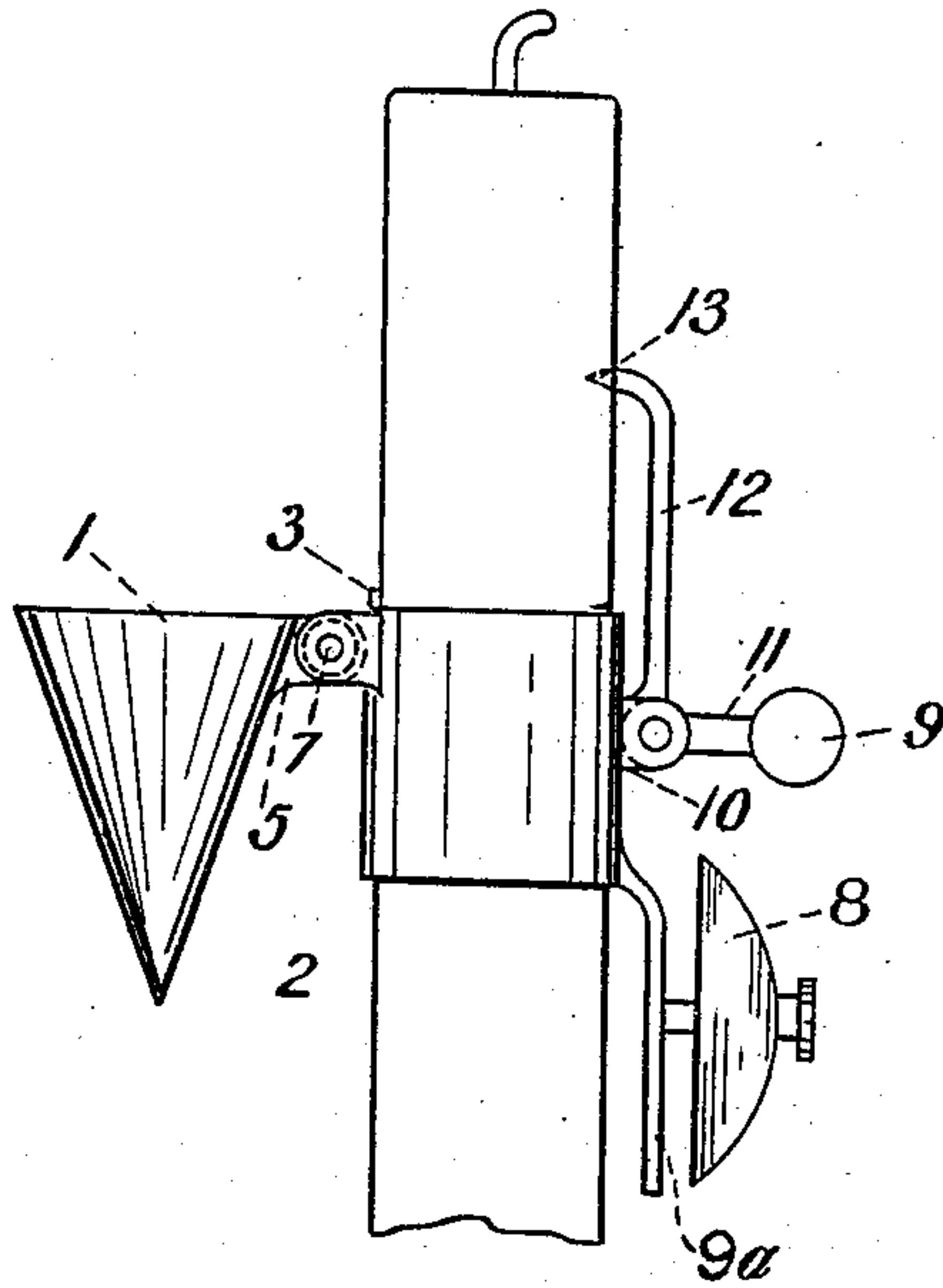


Fig. 3.

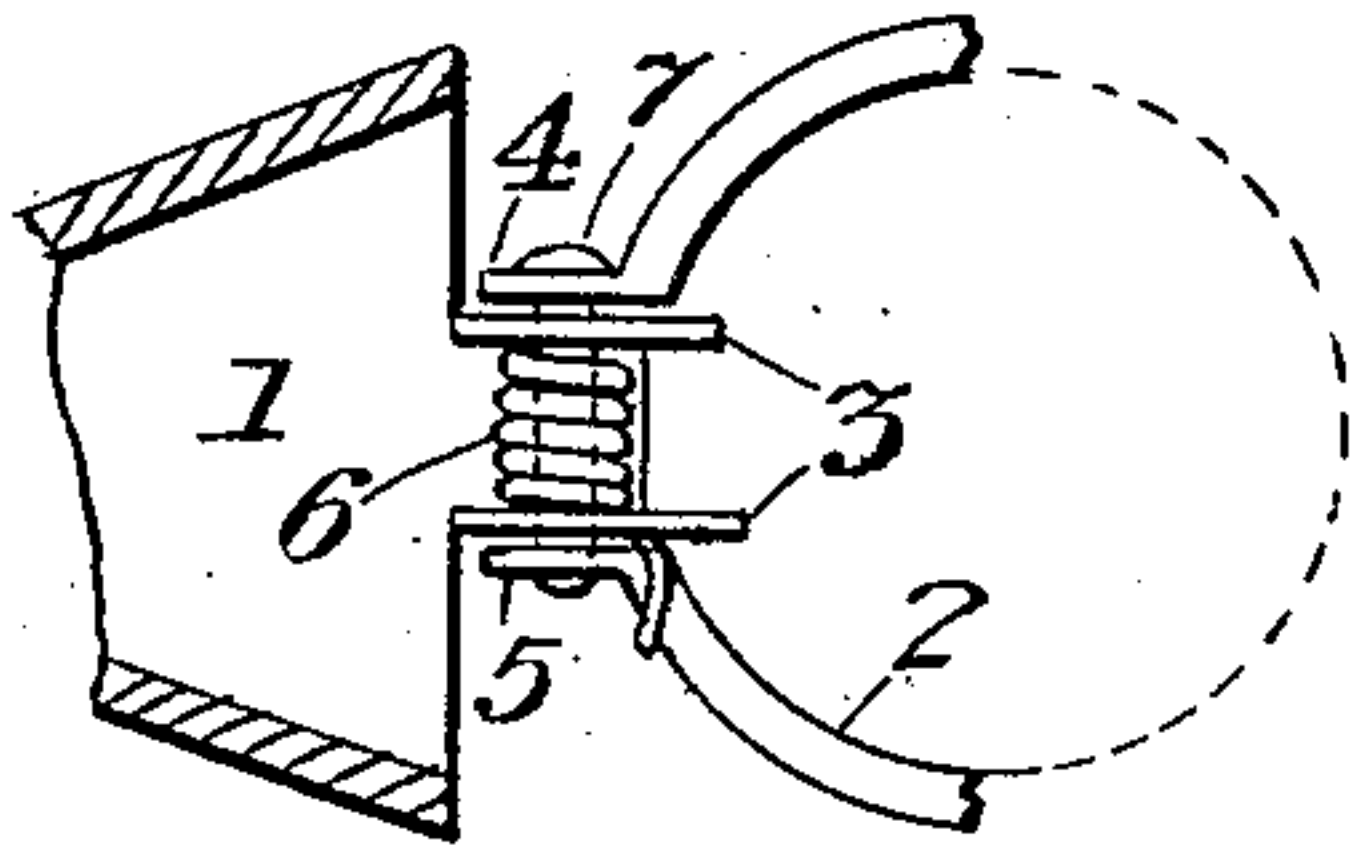


FIG. 1

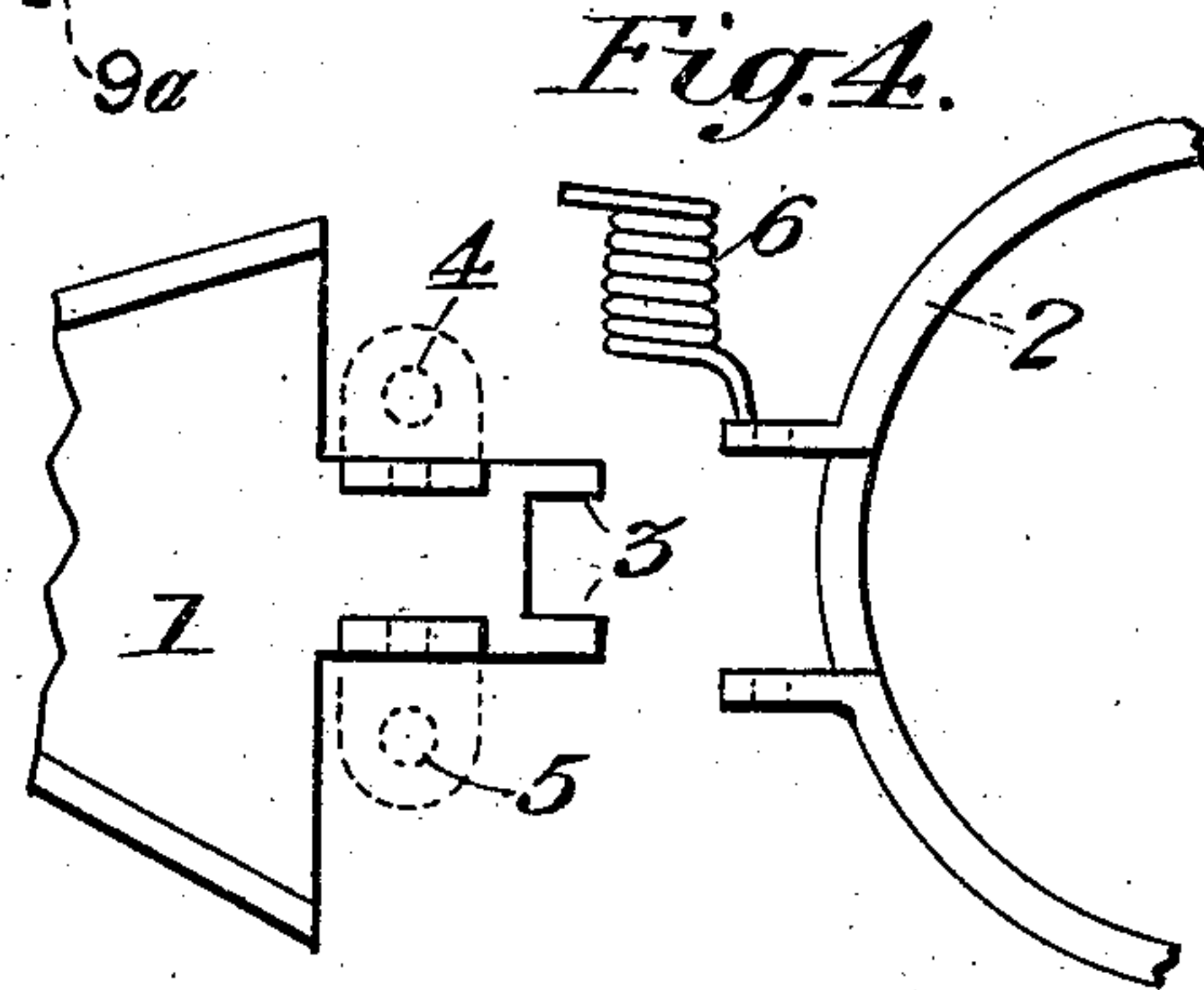


Fig. 4.

FIG. 2

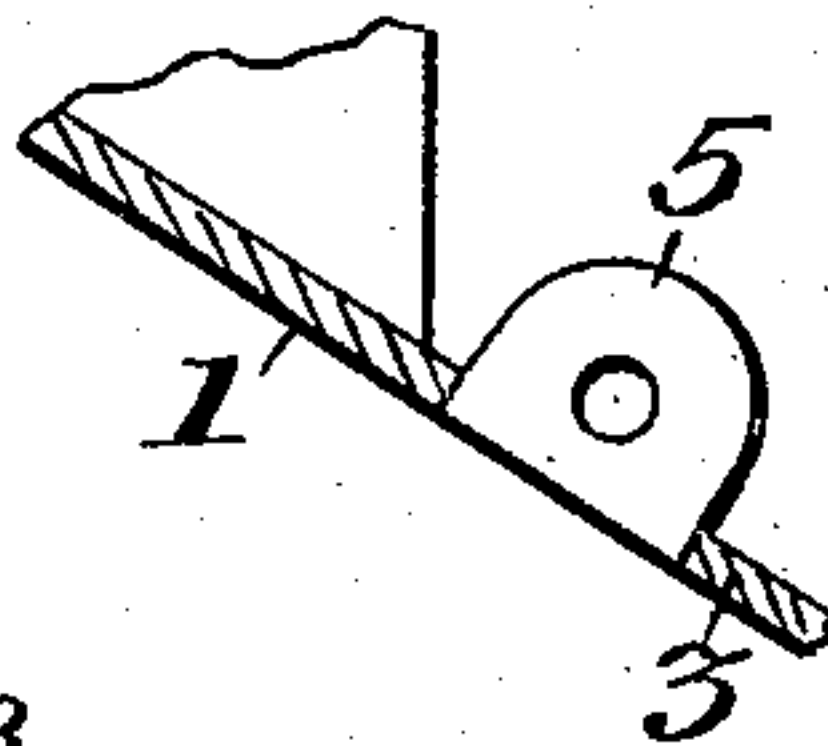
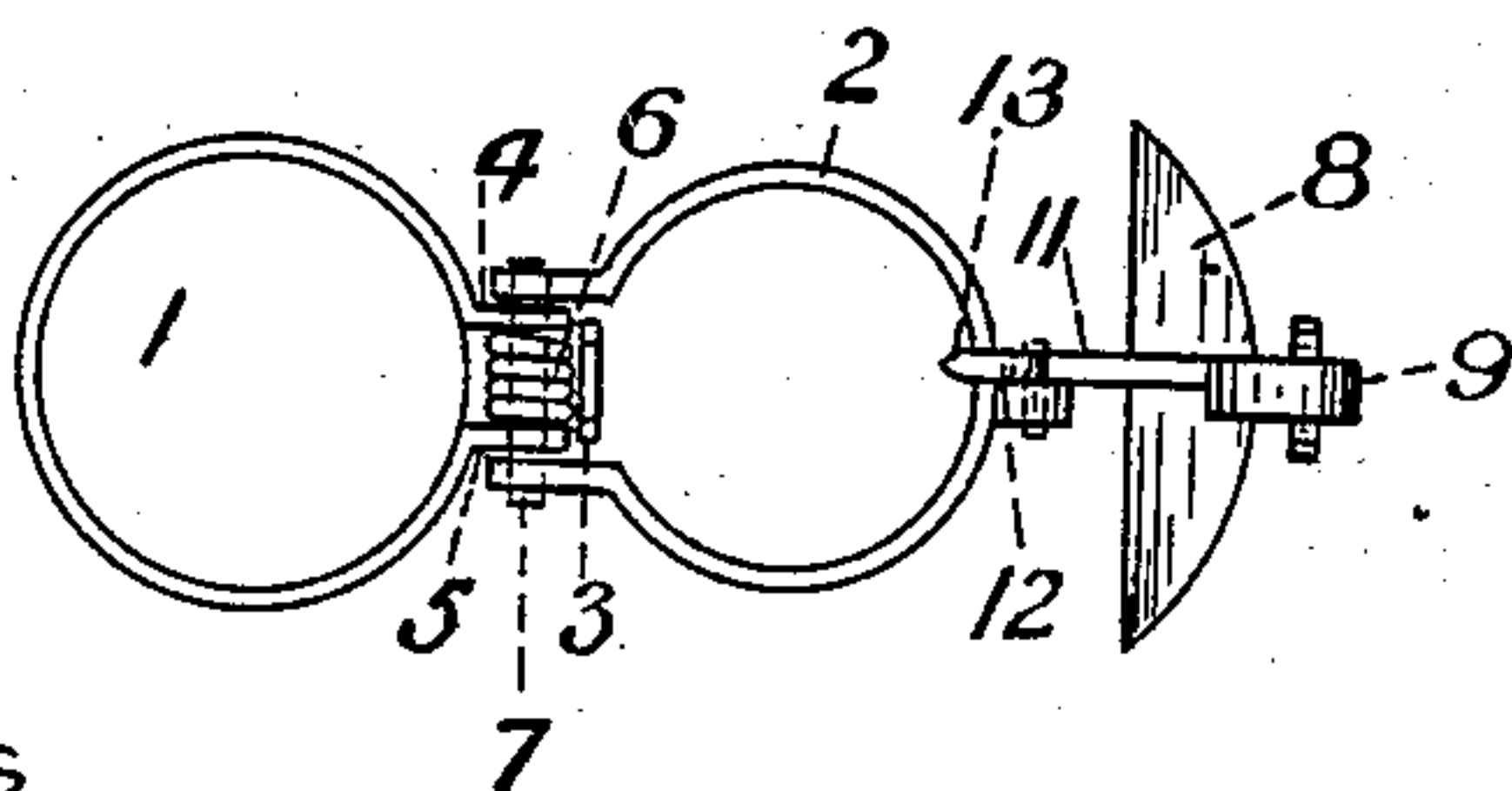


Fig. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE STEVENSON, OF DUNEDIN, NEW ZEALAND.

CANDLE-EXTINGUISHER.

SPECIFICATION forming part of Letters Patent No. 763,440, dated June 28, 1904.

Application filed September 15, 1903. Serial No. 173,330. (No model.)

To all whom it may concern:

Be it known that I, GEORGE STEVENSON, farmer, of Dunedin, Otago, New Zealand, have invented a certain new and useful Improved Candle-Extinguisher, of which the following is a specification.

The invention relates to the class of candle-extinguishers which can be adjusted to extinguish the candle after a predetermined amount has been consumed.

An alarm-bell is attached to the extinguisher so that it may be sounded a few minutes before the extinguisher can operate to enable the user to adjust it.

The invention consists of the features and combination and arrangement of parts hereinafter described, and particularly pointed out in the claims.

In the accompanying drawings, illustrating the invention, the same numbers of reference indicate the same or similar parts.

Figure 1 is an elevation showing the extinguisher and alarm set on a candle. Fig. 2 is a plan of Fig. 1. Fig. 3 is a plan view with the cap 1 in a horizontal position to show the relation of the prong 3 to cap 1, also the position of spiral spring 6 and its connection with cap 1 and bracket 2. Fig. 4 is a detail showing the relation of prong 3 to cap 1. Dotted lines represent the lugs 4 and 5 as stamped out. They are bent up at right angles to form a pivot-bearing, also detail of spring 6 and detail of cylindrical bracket 2. Fig. 5 is a side view of Fig. 4.

A cap 1 in the form of a hollow cone provided with lugs 4 and 5 is hinged to a cylindrical bracket 2, adapted to be secured on a candle. A prong 3, which is an extension of the lugs 4 and 5, projects upward and normally tends to bear against the candle under the influence of a coiled spring 6, threaded upon the pivot-pin 7 of the hinge. The prong 3 bearing against the candle prevents the cap from moving until the candle has burned down to the prong. A bell 8 is attached below the bracket 2 by an arm 9. A striking-

head 9 is attached to the substantially horizontal arm of a crank 11, hinged to a lug 10 on the cylindrical bracket 2 above the bell. The other arm, 12, of the crank projects substantially vertically upward and is provided with an inwardly-bent pin-point 13, which is pressed into the candle a short distance higher than the prong, thus holding the striking-head 9 in a horizontal position. When the candle burns down to the pin-point 13, the latter is released, permitting the head 9 to fall onto the bell 8. When the candle is burned farther down until the edge of the cup reaches the prong 3, the latter under the influence of the coiled spring 6 bursts through the edge of the cup, and the cap rises and descends over the flame of the candle, extinguishing it.

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

1. An extinguisher comprising a cylindrical bracket, lugs projecting therefrom, a cone-shaped cap, lugs thereon fitting between the lugs on the bracket and being hinged thereto and having an extension forming a prong, and a spring arranged to force the cap over on said bracket, substantially as described.

2. An extinguisher comprising a hollow cone-shaped cap, lugs thereon provided with an extension forming a prong, a cylindrical bracket, a hinged connection between said lugs and cylindrical bracket, a spring on said hinge for acting on the cap, a bell secured to said cylindrical bracket, a crank with a substantially horizontal arm and a substantially vertical arm, a striking-head at the end of the horizontal arm and an inwardly-bent pin-point at the end of the vertical arm and a hinged connection between said crank and said bracket, substantially as and for the purposes set forth.

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

GEORGE STEVENSON.

Witnesses:

A. J. PARK,
J. R. PARK.