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PATENTED SEPT. 24, 1907

C. F. EBERHARD.
DISPENSING CAN OR RECEPTACLE.
APPLICATION FILED SEPT. 11, 1906.

Fig. 1

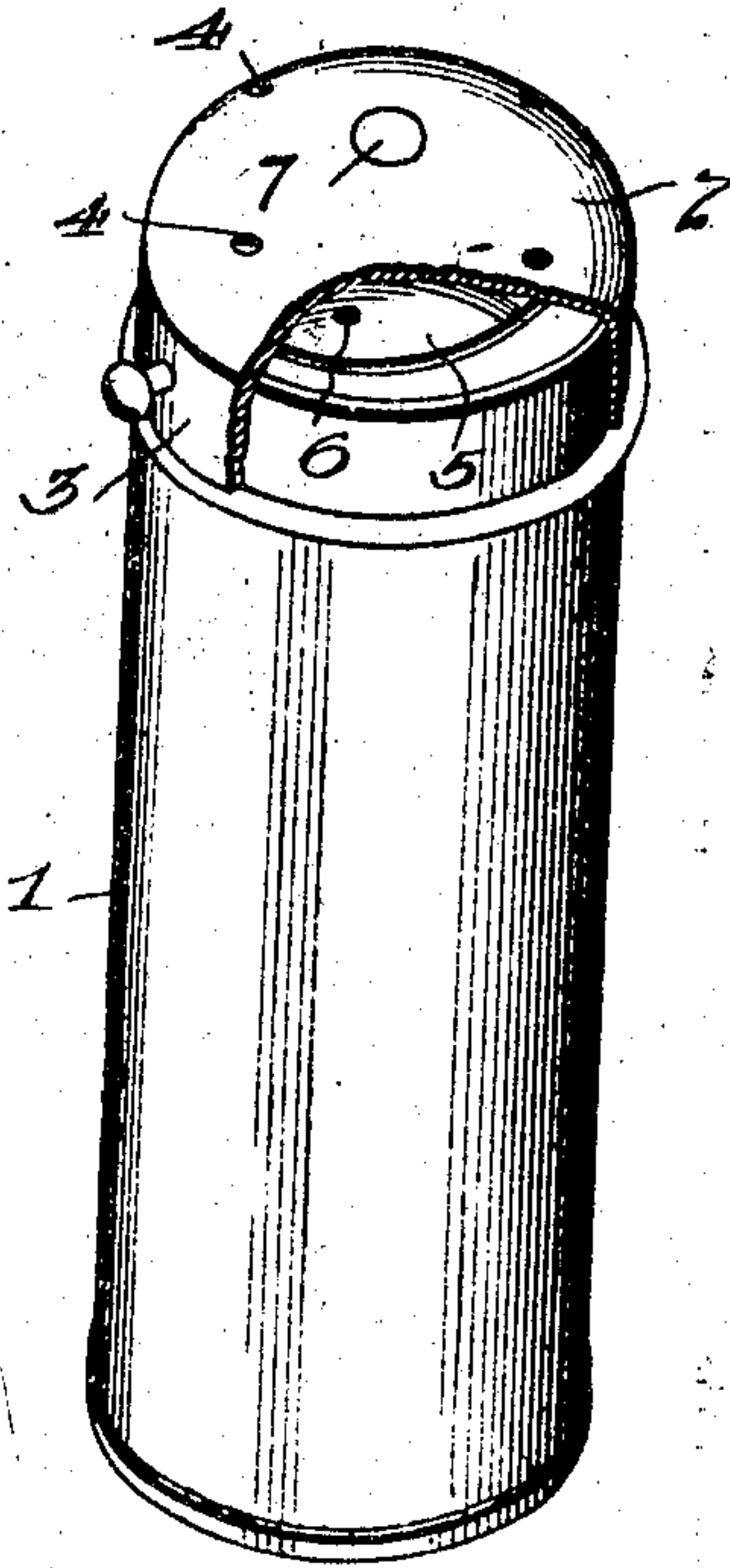


Fig. 6.

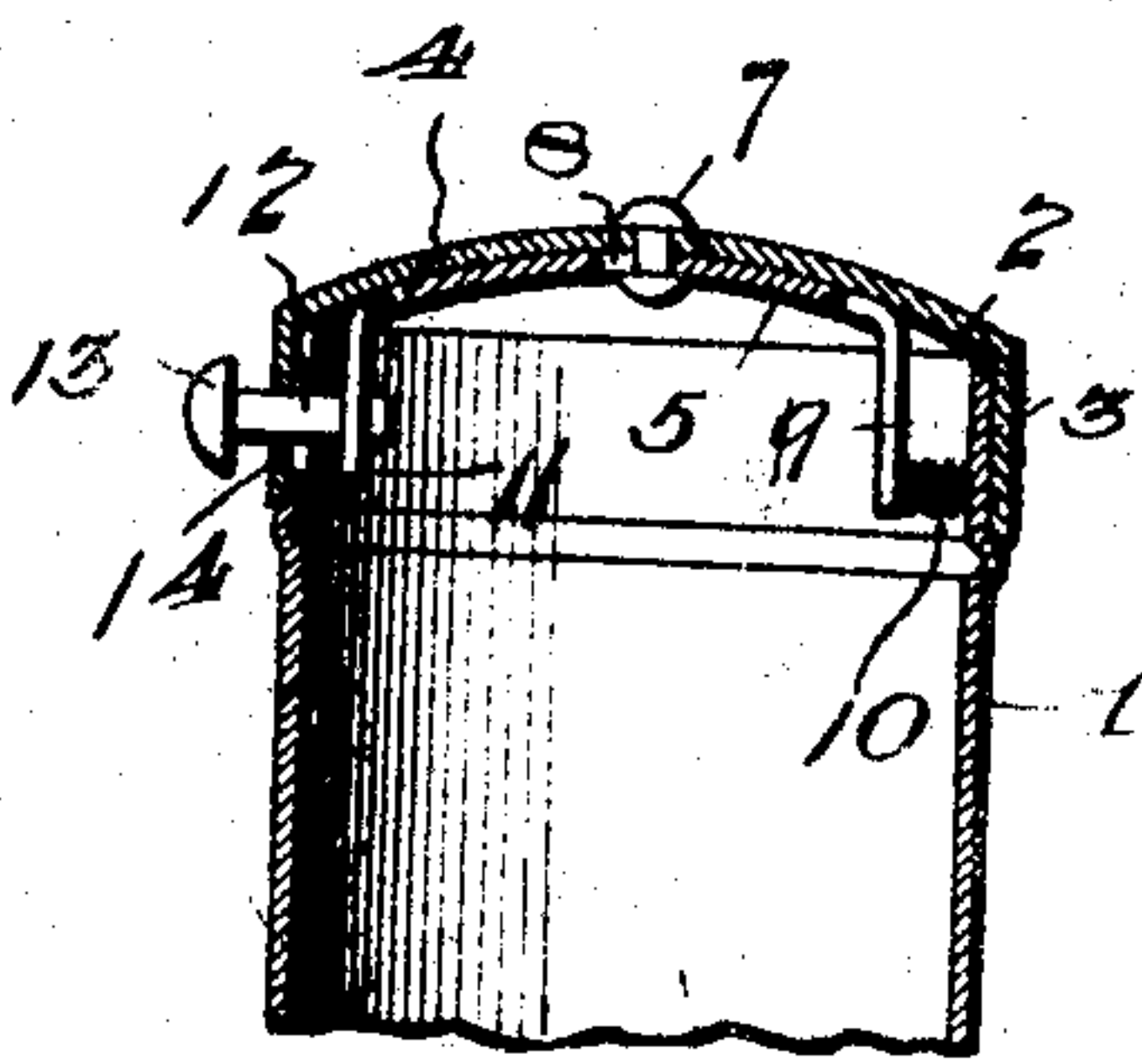
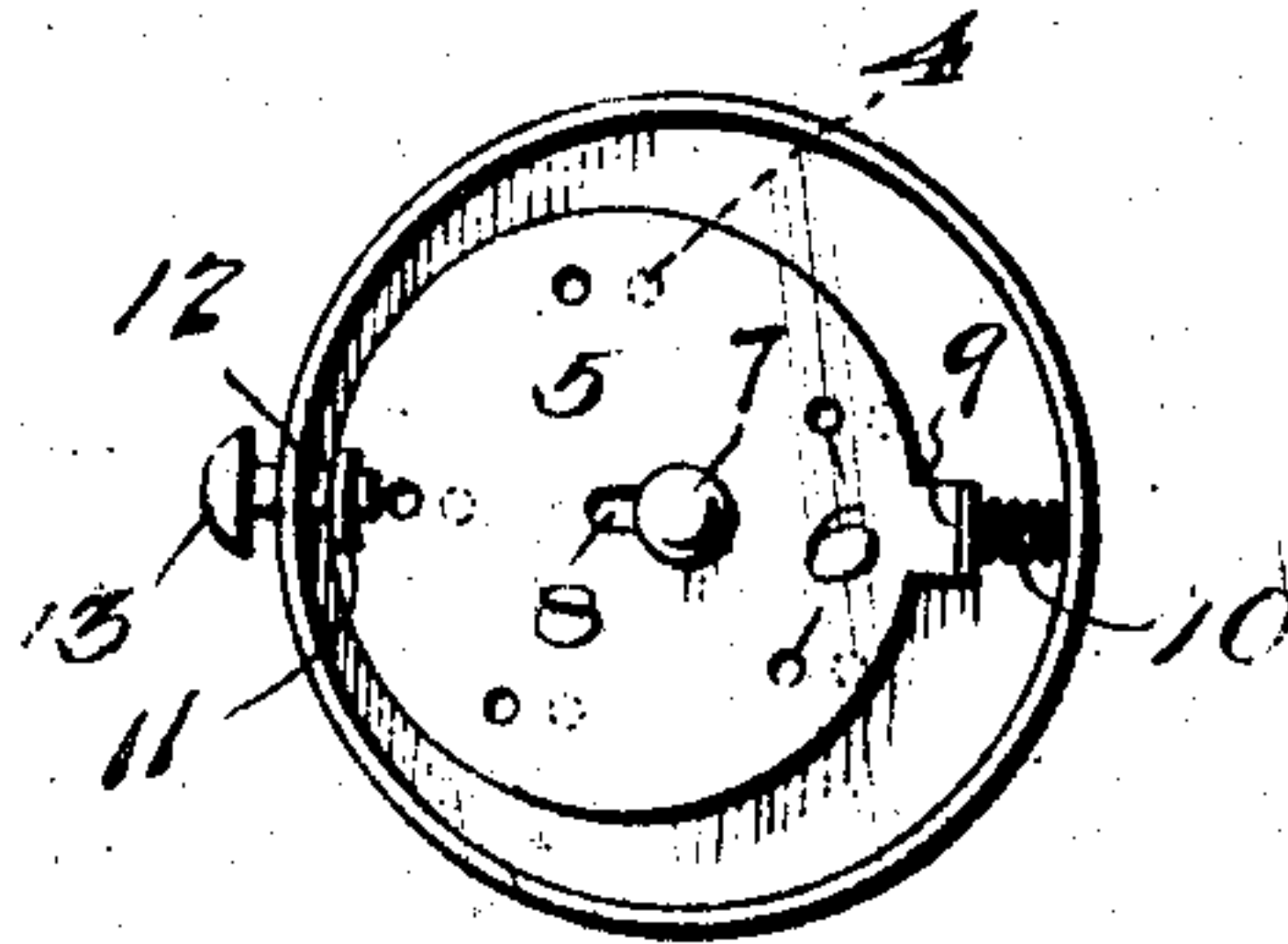


Fig. 3.



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DISPENSING CAN OR RECEPTACLE.

No. 867,023.

Specification of Letters Patent.

Patented Sept. 24, 1907.

Application filed September 11, 1906. Serial No. 334,139.

To all whom it may concern:

Be it known that I, CHARLES F. EBERHARD, a citizen of the United States, and a resident of the city of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Dispensing Cans or Receptacles, of which the following is a specification.

This invention relates to that type of dispensing cans or vessels utilized as containers for substances in powdered or pulverized form and comprising means for holding a substance in convenient form ready for use.

To this end the invention has in view a simple and practical construction of dispensing can or receptacle specially designed for use as a powder box or can and embodying in its organization an improved cut-off closure associated with a sprinkler cap whereby the box or receptacle may be utilized for sprinkling or scattering the powder in the discharging operation. At the same time the invention provides a cut-off which is conveniently and easily manipulated to provide for sprinkling the powdered contents out of the box or receptacle, while at the same time, when closed constitutes an effective and thoroughly tight seal which entirely closes the perforations through the sprinkler cap and prevents waste of the powder and also protects the same from foreign substances and moisture.

Another object of the invention is to provide a cut-off attachment for a dispensing box which can be opened for discharging or sprinkling purposes by finger or thumb pressure with the box held in the hand in the natural position for shaking out the powdered contents.

With these and many other objects in view, which will readily appear to those familiar with the art, the same consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated and claimed.

The essential features of the invention involved in carrying out the objects above indicated are necessarily susceptible to structural modification without departing from the scope thereof, but a preferred embodiment of the invention is shown in the accompanying drawings, in which:

Figure 1 is a perspective view, partly in section, of a dispensing box or can equipped with the improved cut-off forming the subject matter of the present invention. Fig. 2 is a vertical sectional view through the cover or cap portion of the box or can. Fig. 3 is an inner plan view of the cap or cover removed from the body of the box or can.

Like references designate corresponding parts in the several figures of the drawings.

In carrying the invention into effect any approved type of container receptacle or box may be utilized,

though the preferable form is shown in the drawings and designated by the numeral 1. This form of container receptacle or box is the common type of cylindrical dispensing can utilized as a dispensing vessel or receptacle for toilet powders, and in adapting the invention thereto the said receptacle or box has fitted to the top or open end thereof a sprinkler cap 2 which constitutes the main top closure therefor.

In the present invention the sprinkler cap 2 is preferably of a concavo-convex shape in cross section and is provided with a peripheral annular flange 3 receiving the top flange of the box body and held thereto by a tight slip joint or other mechanical expedient such as is commonly utilized for securing the metal cap or cover to the metal body. This detail is not a part of the present invention, and referring further to the latter, it will be observed that the said sprinkler cap or cover 2 is provided therein with a multiplicity of distributing perforations 4 through which the powdered contents of the receptacle or box are sprinkled in the discharging operation.

To provide for controlling the discharge of material through the perforations 4 in the cap there is utilized a reciprocal cut-off disk 5 slidably mounted upon the cap 2 at the inner side thereof. This reciprocal cut-off disk 5 acts in the capacity of a valve and usually consists of a circular metal blank or disk adapted to be shifted transversely of the cap or cover 2 and provided therein with a plurality of discharge holes 6 corresponding in spacing and number to the distributing perforations 4 of the cap, and adapted to be moved in and out of register with the latter. The said cut-off disk 5 is held to a proper working position upon the inner side of the cap 2 through the medium of a fixed retaining and guiding pin 7 in the form of a double headed rivet secured centrally in the cap 2, and projecting through a short guide slot 8 formed centrally in the body of the disk or blank 5.

At one edge, at one side of the plane of the pin or rivet 7 the cut-off disk 5 is provided with an intumed holding arm 9 between which and the adjacent wall of the receptacle or box is interposed a retractile closing spring 10 normally exerting its tension in a direction for holding the discharge holes 6 out of register with the distributing perforations 4. Diametrically opposite the holding arm 9 the said cut-off disk 5 is further provided with an intumed brace arm 11 to which is connected the inner end of the stem 12 of the headed push button 13 which slidably projects through a guiding opening 14 provided in the flange of the cap 2 at one side of the latter.

From the construction described it will be obvious that upon simply pressing the push button 13 inward, preferably by the thumb, the cut-off disk 5 is moved to bring the holes thereof in register with the perforations in the cap, so that the powdered contents may

be freely discharged, by sprinkling, from the receptacle or box. Upon releasing the pressure of the thumb from the push button, the spring 10 moves the cut-off disk to its closed position.

5 I claim:

In a dispensing receptacle, a receptacle body, a flanged perforated sprinkler cap detachably fitted over one end of the body, a reciprocal cut-off disk slidably supported at its center upon the inner side of the cap, and provided with

diametrically opposite intumed brace arms, a closing 10 spring engaging one of the disk arms, and a sliding push button connecting with the other arm and projecting through the cap at one side thereof.

Signed at New York city in the county of New York and State of New York this tenth day of September A. D. 1906. 15

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