

(No Model.)

A. T. H. BROWER.  
PLUG STOPPER FOR CANS.

No. 544,840.

Patented Aug. 20, 1895.

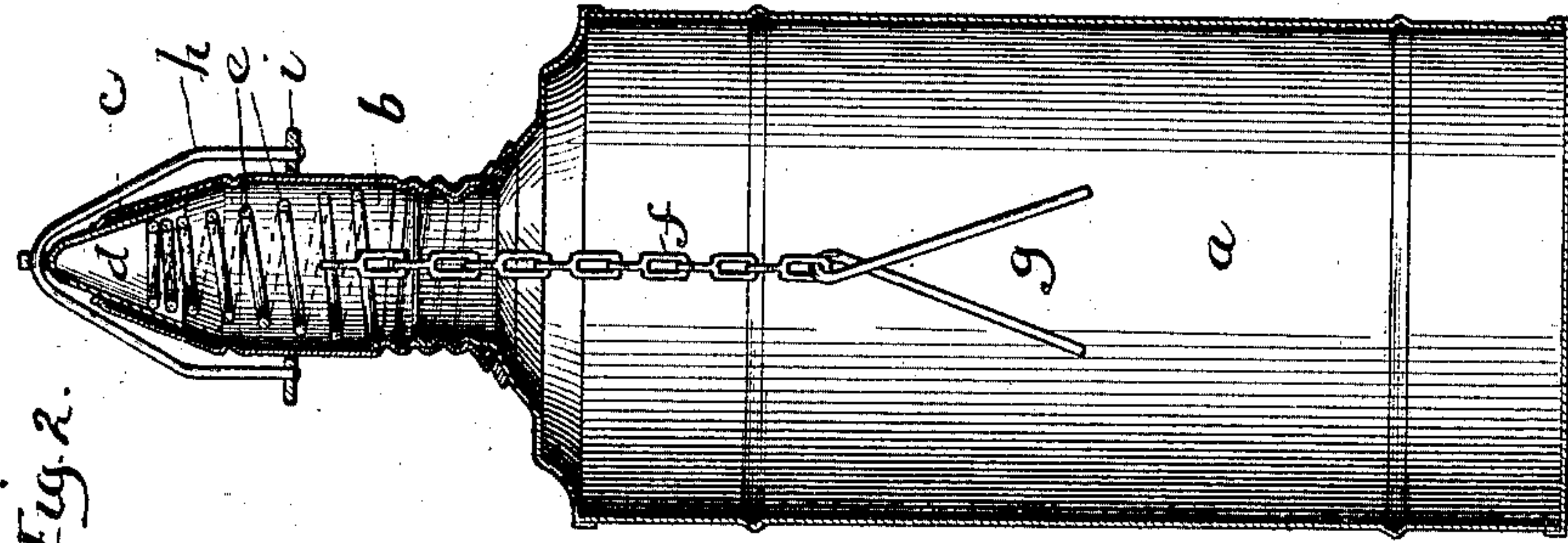


Fig. 2.

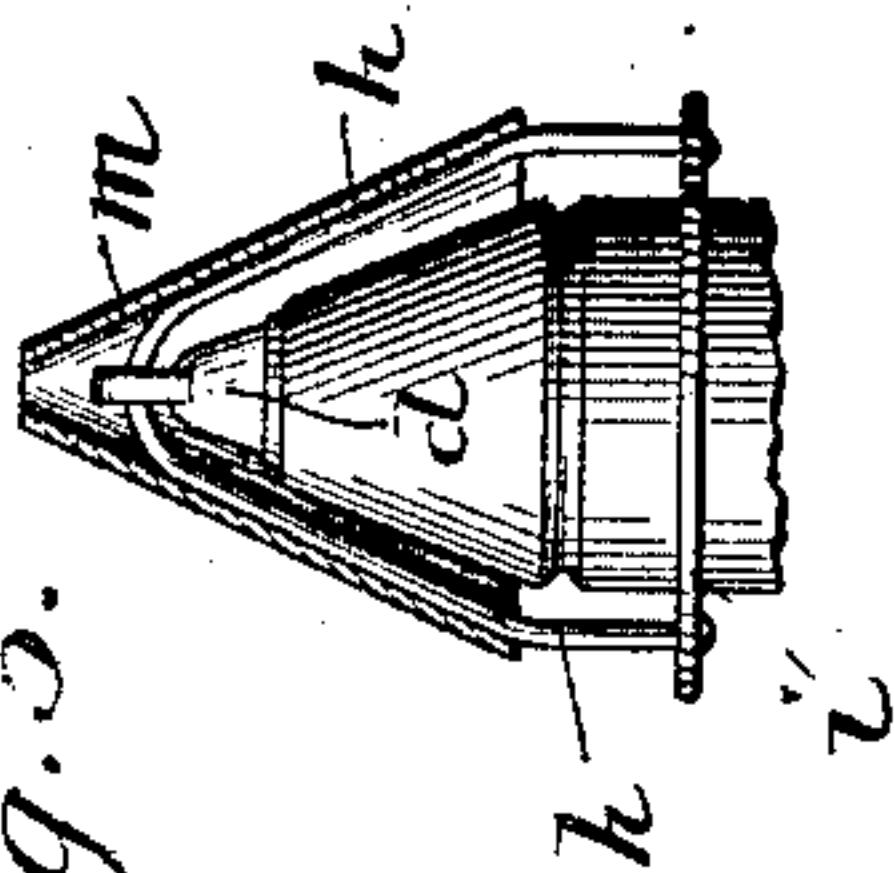


Fig. 5.

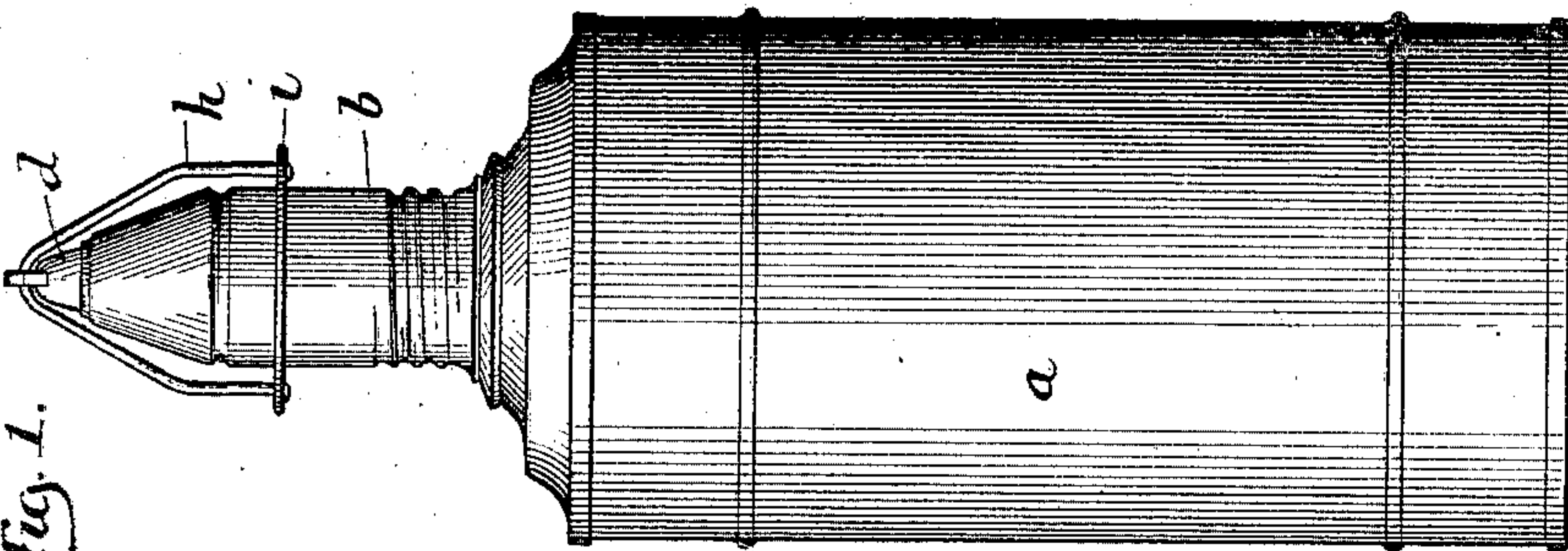


Fig. 1.

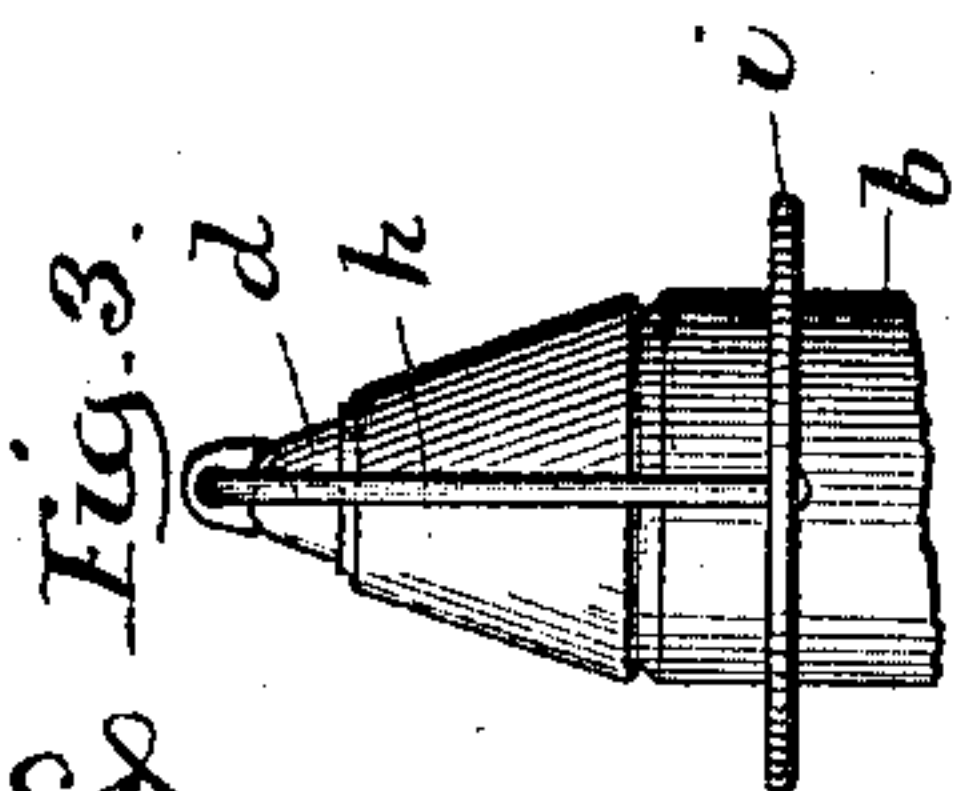


Fig. 3.

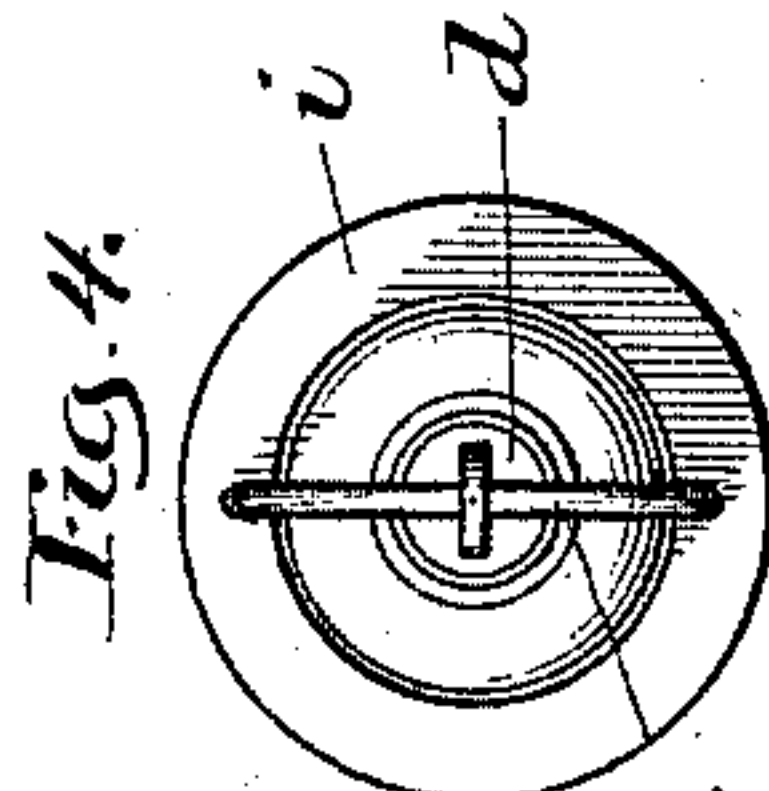


Fig. 4.

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# UNITED STATES PATENT OFFICE.

ABRAHAM T. H. BROWER, OF CHICAGO, ILLINOIS.

## PLUG-STOPPER FOR CANS.

SPECIFICATION forming part of Letters Patent No. 544,840, dated August 20, 1895.

Application filed October 9, 1894. Serial No. 525,361. (No model.)

*To all whom it may concern:*

Be it known that I, ABRAHAM T. H. BROWER, of Chicago, Cook county, Illinois, have invented certain new and useful Improvements in Plug-Stoppers for Cans, of which the following is hereby declared to be a full, clear, and exact description sufficient to enable others skilled in the art to make and use the same.

The invention relates to cans having a projecting plug-stopper for the neck-vent. Cans of this sort are in customary use, notably among printers, and contain the benzine with which the form of type is sprinkled preparatory to cleaning. The printer is apt to thrust the head of the spring-seated plug against the type to open the can-vent, and thus oftentimes batters or defaces the type. The improved can remedies this defect, and consists in providing the plug-stopper with an external stirrup and trip, whereby the plug can be controlled at will by the hand of the operator. The neck of the can being detachable from its body, the invention further provides a safety spring guard or catch located within the can and secured to the removable neck to keep it from being misplaced or lost.

Figure 1 is a view of the improved can in elevation; Fig. 2, a view in longitudinal section; Figs. 3 and 4, detail views of the can-neck and its adjuncts in elevation and plan, respectively; Fig. 5, a sectional elevation at the can-neck, showing a hood or guard mounted upon the stirrup for the vent-plug.

In the accompanying drawings, which form a part of the specification, like details of structure are marked by like designation throughout.

The can *a* is of the familiar sort, usually of sheet metal, and is furnished with the removable neck *b*, threaded thereto, as shown. The neck *b* has a tapering vent *c*, within which is seated a conical plug-stopper *d*, the head of which projects slightly beyond the vent. A coil-spring *e* is seated within the neck of the can and at its upper end bears against the plug *d* to normally close the vent. A chain

*f*, attached to the spring *e*, carries a safety-catch *g*, which when the neck *b* is removed from the can-body encounters the wall of the can at the outlet, and thus retains the separated neck from being lost or misplaced. The catch *g*, being a simple spring, can be withdrawn at will from the can, if desired.

Through a hole in the head of the plug-stopper *d* extends a stirrup *h*, which passes down on the outside of the neck *b* and is secured at its ends to a trip *i*. The trip *i* is in ring form to inclose the can-neck and be guided thereby. Obviously the trip-ring can be divided diametrically, each part being sustained by an end of stirrup *h*; but in such event the trip would remain in "ring form" and be included by that term. The can being grasped by the operator, his fingers command the trip *i* and through the medium of the stirrup *h* cause the plug-stopper *d* to be moved in or out at will for the purpose of venting the can or closing it.

A hood *m*, fastened to the stirrup *h*, extends as a guard about the vent to prevent the spurting of the contents on withdrawal of stopper *d*.

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

1. The combination with the can and its neck of the spring-seated plug-stopper to close the neck-vent and projecting beyond the same, the external stirrup united to the plug and the trip ring inclosing the neck and attached to said stirrup, substantially as described.

2. The combination with the can and its neck of the spring-seated plug-stopper to close the neck-vent and projecting beyond the same, the external stirrup united to the plug and having a hood thereon and the trip ring inclosing the neck and attached to said stirrup, substantially as described.

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