

H. BAYLISS.  
 Implement for Capping and Uncapping Cartridges.

No. 201,733.

Patented March 26, 1878.

Fig. 1.

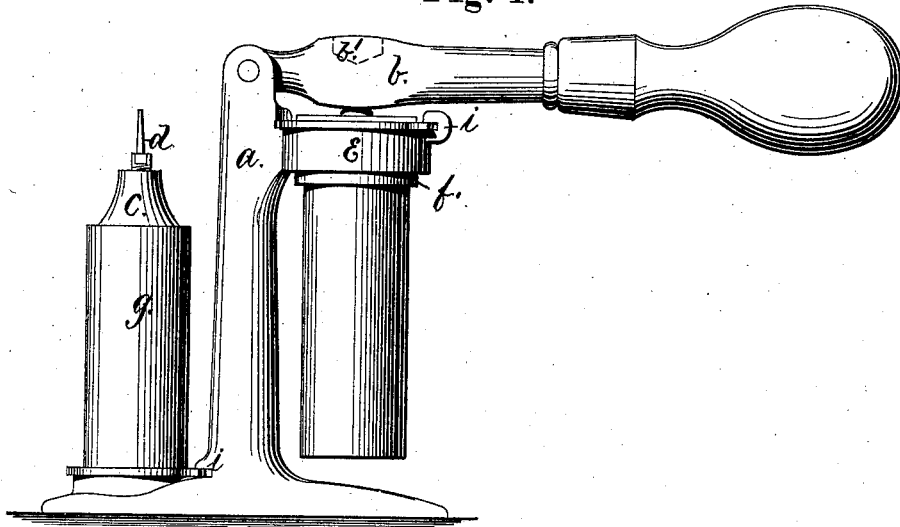


Fig. 2.

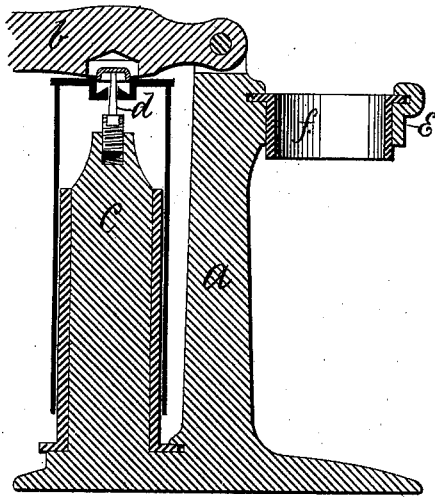
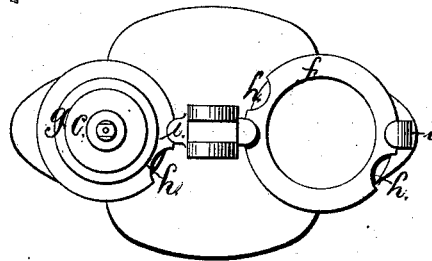


Fig. 3.



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# UNITED STATES PATENT OFFICE.

HENRY BAYLISS, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN IMPLEMENTS FOR CAPPING AND UNCAPPING CARTRIDGES.

Specification forming part of Letters Patent No. **201,733**, dated March 26, 1878; application filed February 25, 1878.

*To all whom it may concern:*

Be it known that I, HENRY BAYLISS, of the city and county of Providence, and State of Rhode Island, have invented certain new and useful Improvements in Cartridge Capping and Uncapping Devices; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to improvements in devices for capping cartridge-cases before the same are charged, and also remove the caps from cartridge-cases; and consists in the peculiar and novel arrangement by which the device is adapted to cartridges of varying diameter, as will be more fully set forth hereinafter and pointed out in the claims.

Figure 1 is an elevation, representing my improved cartridge-capping device in a side view. Fig. 2 is a sectional view through the center of the same, and Fig. 3 is a top view of the device, the hand-lever being shown as removed.

Cartridge-cases differ in their exterior as well as interior diameter with the difference in the bore of the gun in which they are used. For uncapping the cartridge the extractor-pin must pass through the central priming-hole, and therefore the case must be supported by a sleeve exactly concentric with the same, and must therefore be of such diameter as will closely fit the interior of the shell, so as to guide the pin into the central hole. In capping, the case is placed within a ring, and, as the end projects sufficient to form a rim, the case will be firmly supported if the ring is of the exact diameter that will allow the body of the case to enter and the slightly-projecting rim to support the same on the ring. Such devices can therefore be used only for one special caliber or diameter of cartridge, whereas by the use of my improved device cartridge-cases of various diameters can be readily capped and uncapped by the use of extra sleeves and rings.

In the drawings, *a* is a standard, to which the hand-lever *b* is hinged, so as to swing over to either side. *b'* is a cavity, large enough to allow the cap to freely enter. *c* is a vertical

cylindrical anvil, provided with the pin *d*; *e*, a ring-bracket.

So far the device is old, and only adapted to one size of cartridge-shell; and the portion covered by this invention consists in the detachable sleeve *f*, which is placed within the bracket-ring *e*, and supported by a flange.

*g* is a cylindrical shell, placed over the anvil *c*, and provided with a flange at its lower end. The flanges of *g* and *f* have a portion or portions, *h*, cut out, which pass over the projections *i*, into which a slot is cut, so that, by partially turning the sleeves *f* and *g*, they will be firmly secured.

The operation is as follows: A suitable sleeve, *g*, fitting the interior of the shell or case to be uncapped, is placed over the anvil *c*. The cartridge-case is now set over the anvil, and the hand-lever depressed. The pin *d* lifts the cap into the cavity *b'*. A suitable sleeve, *f*, is now placed into the ring *e* and secured, as described. The cartridge-case is inserted, and the cap forced into the case, as shown in Fig. 1, and thus, by the use of the proper sleeves *g* and *f*, any cartridge-case, of whatever caliber, can be capped and uncapped by the same device, enabling the user to prepare the cartridges for a number of guns of different caliber, and, if required, from the smallest pistol-cartridge to the largest gun.

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

1. The combination, with the standard *a*, anvil *c*, ring *e*, and hand-lever *b*, of the sleeves *g* and *f*, arranged to fit the caliber of cartridge-cases of various size, substantially as and for the purpose described.

2. The combination, with the anvil *c* and ring *e*, provided with the lugs *i*, of the sleeves *f* and *g*, provided with flanges, and arranged to fit the interior and exterior of cartridge-cases of various caliber, in a capping and uncapping device, substantially as and for the purpose described.

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