

(No Model.)

J. ESPY.
GUN CLEANER.

No. 366,470.

Patented July 12, 1887.

Fig. 1.

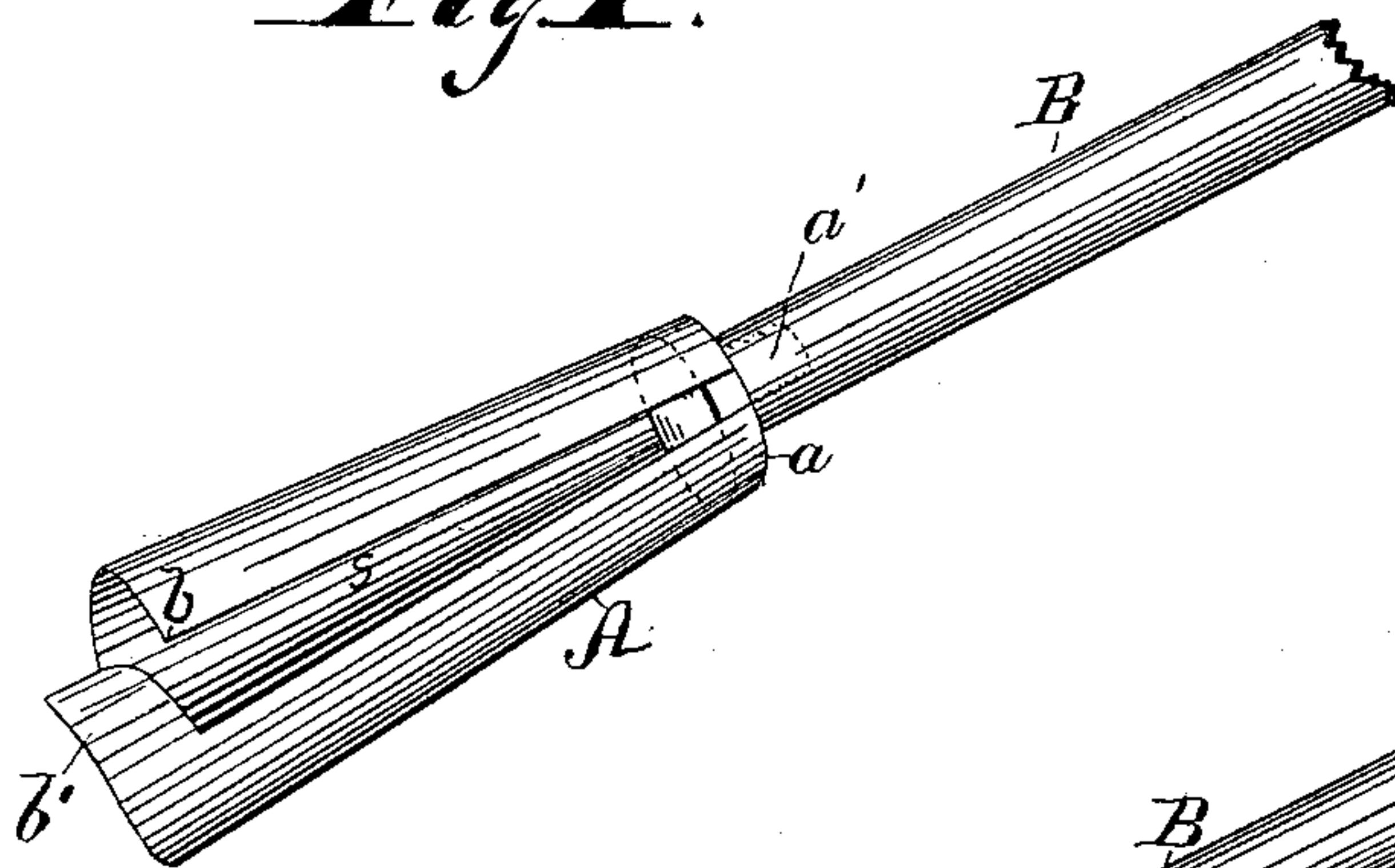
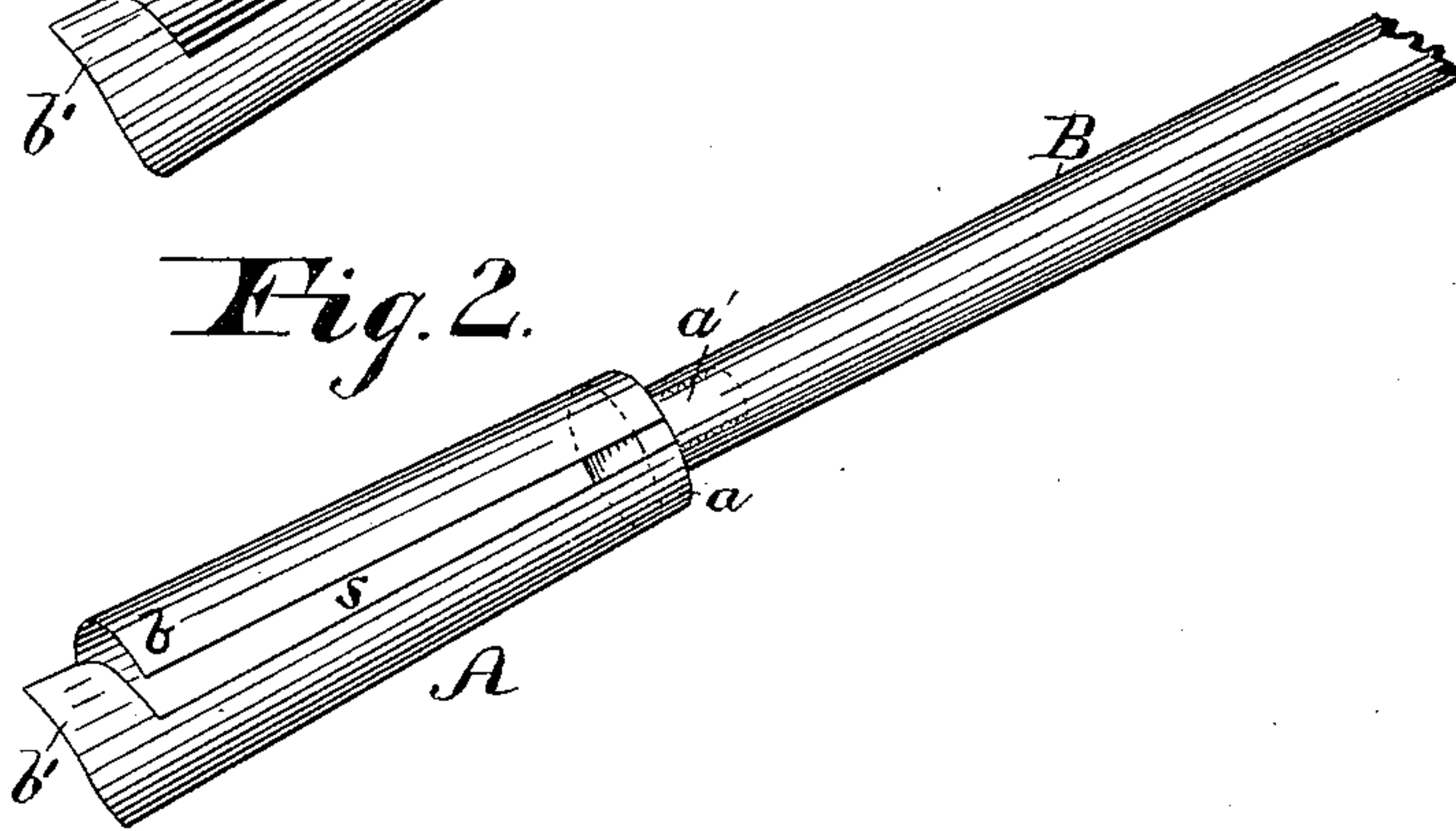


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

JOSIAH ESPY, OF XENIA, OHIO.

GUN-CLEANER.

SPECIFICATION forming part of Letters Patent No. 366,470, dated July 12, 1887.

Application filed July 21, 1886. Serial No. 208,658. (No model.)

To all whom it may concern:

Be it known that I, JOSIAH ESPY, a citizen of the United States, residing at Xenia, in the county of Greene and State of Ohio, have invented certain new and useful Improvements in Gun-Cleaners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in gun-cleaning implements; and it consists in certain details of construction, as will be hereinafter more fully set forth in the specification and pointed out in the accompanying drawings, in which—

Figure 1 is a perspective view of the device opened, and Fig. 2 a perspective view of same compressed.

It is well known that in use gun-barrels become fouled with powder and lead, and their efficiency is thereby impaired. In the hunting-field it is often necessary to clean the gun. Recourse is sometimes had to cleaning-sticks provided with cloth or tow, and in some instances brushes are used. These do not readily remove the lead attached to the barrels.

In the device here presented the cleaner consists of a piece of spring metal, A, in the

form of a truncated cone, the upper end of which is secured to a head, *a*, provided with a screw-threaded shank, *a'*, to which a cleaning-stick, B, is secured. The metal cone A is secured to the head in such manner that a slot, *s*, is left between the edges. The lower end of piece A terminates in a lip, *b'*, projecting downward below the opposite end, *b*, so as to form a wormer. The inside of the lower edges of piece A is sharpened, as well as the point *b* and lip *b'*, so as to thoroughly cut the lead and powder from the barrel as the implement is drawn back and turned in the gun-barrel. The cone can be compressed, as shown in Fig. 2, so as to clean barrels of small caliber, or spread out, as in Fig. 1, to fit large size barrels.

Having thus described my invention, what I claim is—

In a gun-cleaner, the combination, with the rod, of a head secured thereto, said head consisting of a metallic piece slotted longitudinally, and provided at its free end with a lip extending beyond the body of the head, said lip and body having cutting-edges, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOSIAH ESPY.

Witnesses:

CHAS. S. DENMAN,
D. C. BRAINARD.