

(No Model.)

A. J. UPHAM.
CLEANER FOR GUN BARRELS.

No. 345,818.

Patented July 20, 1886.

Fig. 1.

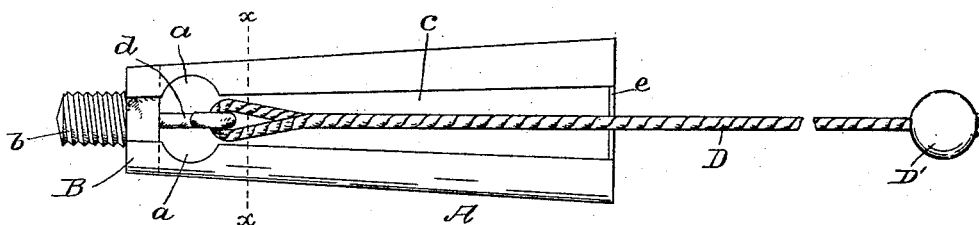
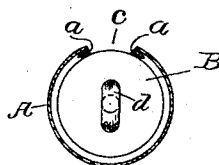


Fig. 2.



WITNESSES—

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UNITED STATES PATENT OFFICE.

ANDREW J. UPHAM, OF SYCAMORE, ILLINOIS.

CLEANER FOR GUN-BARRELS.

SPECIFICATION forming part of Letters Patent No. 345,818, dated July 20, 1886.

Application filed April 19, 1886. Serial No. 199,302. (No model.)

To all whom it may concern:

Be it known that I, ANDREW J. UPHAM, a citizen of the United States, residing at Sycamore, in the county of De Kalb and State of Illinois, have invented certain new and useful Improvements in Cleaners for Gun-Barrels; and I do hereby 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 letters or figures of reference marked thereon, which form a part of this specification.

My invention has reference to an improvement in cleaners for gun-barrels; and it consists, essentially, of a single piece of spring metal formed into a semi-conical shape, the base of the conical part being open and constituting the cleaning-edge, the other end being closed and provided with means for attaching it to the wiping-stick or for use without the wiping-stick.

In the drawings, Figure 1 is a side elevation of a gun-cleaner embodying my invention. Fig. 2 is a cross-section of the same in the line *x x* of Fig. 1.

A is a piece of spring metal (brass is preferred) stamped or cut out in the shape of a keystone, with the semicircular recesses *a* near the smaller end.

B is a cylindrical button, with the screw *b* fashioned integral therewith, forming the support of the metal piece A, the smaller end of the latter being securely soldered to said button B, the parts A and B forming a truncated cone.

The button B is large enough to prevent the part or shell A, when formed around the former, to entirely inclose it, and consequently the open-ended slot *c* is formed with the recesses *a* opposite each other and adjoining the button B.

Centrally located on the inner face of the button B is the hook *d*, fastened in any suitable manner to said button.

The flaring or larger end of the part or shell A is beveled on its inner face, so as to form the sharp cutting or scraping edge *e*.

The open-ended slot *c* permits the larger end of the cleaner to be compressed to fit the bore of the gun-barrel, and, being of spring metal, the cutting-edge *e* of the cleaner is held closely against the inner surface of the gun-barrel while being cleaned. The semicircular recesses *a* prevent the edges of the metal forming the slot *c* from kinking when the larger end is pressed together for insertion in the gun-barrel.

D is a cord or string looped at one end to engage the hook *d*, and having a weight, D', at the other end, for aiding the passage of the cord through the gun-barrel, whereby the cleaner may be drawn through the latter.

In use the operation of my invention is as follows: By means of the screw *b* the cleaner is attached to the wiping-stick, the flaring end is pressed together and inserted into the breech of the gun-barrel, and pushed forward and backward until the proper result is accomplished. For use in the field, when it is not desirable to use a wiping-stick, or when the latter is mislaid or lost, by means of the looped cord D, as shown in Fig. 1, attached to the hook *d* and provided with a weight at its other end, the cleaner may be drawn through the barrel as often as desired.

If it is desirable to clean a gun of a larger bore, the slot *c* permits the spreading of the larger end, which can be readily done with the fingers and the cleaner adjusted to the several-sized bores commonly in use among sportsmen.

Should the cutting-edge *e* become dulled, it can be readily and easily sharpened by use of a knife-blade, or even a common nail, drawn several times over the beveled portion of the edge.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

1. In a cleaner for gun-barrels, the shell A, constructed of a single piece of spring metal, provided with the open-ended slot *c*, extending throughout its entire length, the beveled cutting-edge *e* at its largest circumference, and the semicircular recesses *a* near its smaller end, in combination with the button B, pro-

vided with the central outwardly-located screw, *b*, substantially as shown, and for the purpose described.

2. In a cleaner for gun-barrels, the shell
5 A, constructed of a single piece of metal, provided at its greater diameter with the beveled edge *e*, and having the longitudinal open-ended slot *c*, with semicircular recesses *a* near the
10 the button B, with the hook *d* attached cen-

trally to the inner face thereof, and the cord F, substantially as described, and for the purpose mentioned.

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

ANDREW J. UPHAM.

Witnesses:

P. T. WETZEL,
H. M. FORD.