No. 865,726. PATENTED SEPT. 10, 1907.

T. M. PRICE.

CLEANING ROD FOR RIFLED FIREARMS.

APPLICATION FILED MAY 26, 1906.

Fig. 1.

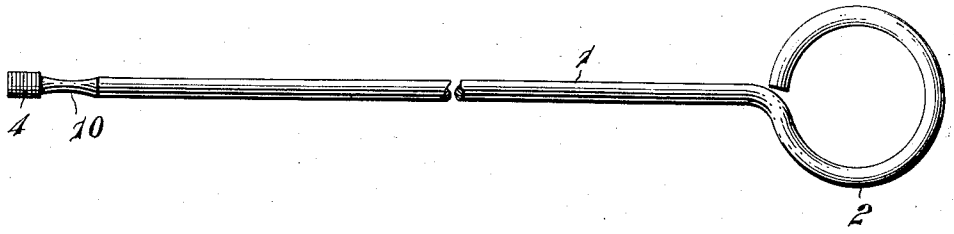


Fig. 2.

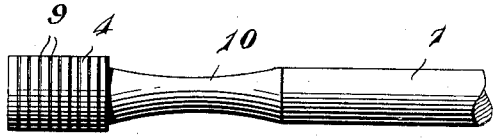


Fig. 3.

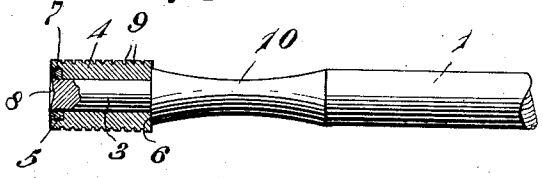
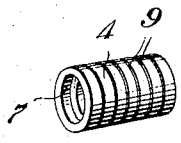


Fig. 4.



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UNITED STATES PATENT OFFICE.

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CLEANING-ROD FOR RIFLED FIREARMS.

No. 865,726. Specification of Letters Patent. Patented Sept. 10, 1907.

Application filed May 26, 1906. Serial No. 318,922.

To all whom it may concern:

Be it known that I, THOMAS MARTIN PRICE, a citizen of the United States, residing at Itasca, in the county of Hill and State of Texas, have invented a new and useful Cleaning-Rod for Rifled Firearms, of which the following is a specification.

The invention relates to improvements in cleaning or wiping rods for large and small rifled fire arms.

The object of the present invention is to improve the construction of cleaning or wiping rods, and to provide a simple, inexpensive and efficient one designed particularly for use on large and small rifled fire arms, and provided with means for swiveling a rag or swab to it, whereby the rag or swab will be permitted to rotate and follow the grooves of the rifling, while the fire arm and the rod are firmly gripped at any point.

A further object of the invention is to provide a wiping or cleaning rod adapted to permit short, rapid strokes or movements, even when only a small portion of the rod is inserted in the barrel of the fire arm.

Another object of the invention is to provide a wiping or cleaning rod, which may be easily removed from the barrel of a fire arm, and which will prevent a rag or swab from coming off in the barrel.

With these and other objects in view, the invention consists of the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claims hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—Figure 1 is a side elevation of a cleaning or wiping rod constructed in accordance with this invention. Fig. 2 is an enlarged detail view of the rag receiving member of the cleaning rod. Fig. 3 is a longitudinal sectional view of the same, illustrating the manner of mounting the swiveled or rotary sleeve. Fig. 4 is a detail perspective view of the sleeve.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

1 designates a cleaning rod, provided at one end with a handle 2, and having its other end reduced to form a pivot or journal 3 for the reception of a rotary sleeve, or rag receiving member 4, which is retained on the pivot or journal of the rod by means of a washer 5. The reduction of the rod forms a shoulder 6 at the inner end of the rotary sleeve 4, and the outer end of the latter is provided with an interior annular recess 7, within which the washer 5 is arranged, and the outer face of the washer is substantially flush with the outer end of the rotary sleeve. The outer end of the cleaning rod terminates short of the outer end of the sleeve, and is headed sufficiently to engage the washer, the terminal 8 of the cleaning rod being slightly indented to shorten the rod and to form the head for engaging the washer. The end of the rod is terminated short of the outer end of the sleeve to prevent a rag from binding against it, and interfering with the rotary movement of the sleeve, in following the rifling or grooving of a fire arm.

The outer face of the rotary sleeve is roughened by annular grooves 9, or other suitable means for enabling it to frictionally engage a piece of rag, or other swab, which is cut in the form of a square of sufficient size to cover the rotary sleeve and extend slightly beyond the inner end thereof for engaging the latter, whereby the rag is prevented from coming off the rod, when withdrawing the same from the barrel of a fire arm. The grooves 9 are made of sufficient depth to enable the sleeve to positively grip or engage the rag or swab.

The cleaning rod is provided at the inner end of the rotary sleeve with a reduced concave portion 10, which exposes the inner end of the sleeve and which provides an annular space to receive the edges of the rag to prevent the latter from binding against the rod, and thereby interfering with the free rotary movement of the sleeve.

The rotary sleeve is adapted to follow the grooving or rifling of the barrel of a fire arm, and it will permit the cleaning rod to be used with short rapid strokes even when only a small portion of the cleaning rod is introduced into the barrel of the fire arm. The cleaning rod is thereby adapted to wipe or clean a rifled barrel more effectually, and without forcing a swab across the grooves or rifling, and thereby injuring the same. The swiveled sleeve also enables the cleaning rod to be easily removed from the barrel of a fire arm, and there is no liability of the rag coming off during such removal of the cleaning rod.

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

1. A device of the class described comprising a cleaning rod having an integral pivot portion and provided with an annular rag-receiving recess located beyond the inner end of the pivot portion, and a rotary rag-receiving sleeve of cylindrical form mounted on the pivot portion of the rod and being of a diameter in excess of the diameter of the rod, said sleeve having its inner end located at the outer end of the rag-receiving recess, and the said pivot and sleeve being substantially equal in length.

2. A device of the class described comprising a cleaning rod provided with a reduced integral pivot portion and having a shoulder at the inner end thereof, said rod being also provided with an annular recess located beyond the inner end of the pivot portion and presenting concave faces to the edges of a rag, and a rotary sleeve mounted on the pivot portion of the rod with its inner end fitted against the said shoulder and also located at the outer end of the annular rag-receiving recess.

3. A device of the class described comprising a cleaning

rod provided with a reduced integral pivot portion and having a shoulder at the inner end thereof, said cleaning rod being also provided beyond the inner end of the pivot portion with an annular rag-receiving recess, a rotary rag-receiving sleeve mounted on the pivot portion of the rod with its inner end fitted against the outer end of the rag-receiving recess, said sleeve being provided at its outer end with an interior annular recess located at the outer end of the pivot portion, and a washer mounted on the outer end of the rod and located within the recess of the sleeve, the outer end of the rod terminating short of the outer edges of the sleeve, whereby a rag is held out of contact with the outer end of the rod.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

THOMAS MARTIN PRICE.

Witnesses:
H. E. CHILES,
B. P. EDRINGTON.