

W. R. MOORE.
GUN CLEANER.
APPLICATION FILED APR. 5, 1909.

940,985.

Patented Nov. 23, 1909.

Fig. 1.

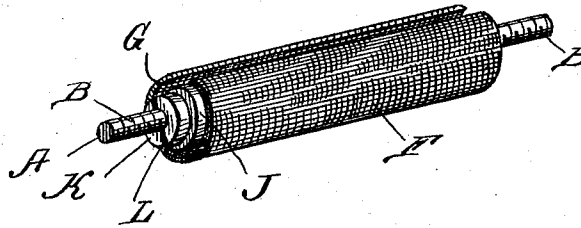


Fig. 2.

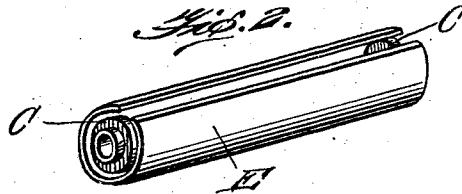


Fig. 3.

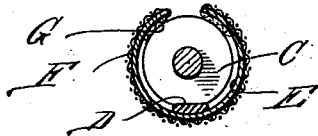
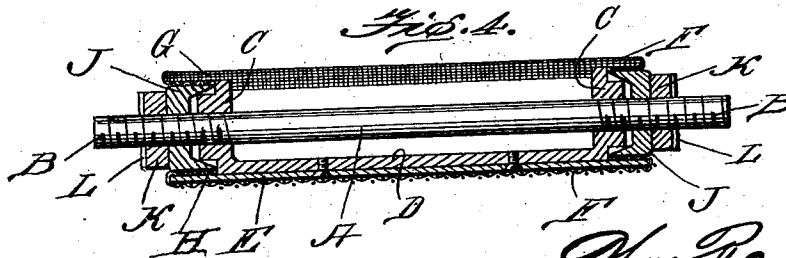


Fig. 4.



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WITNESSES

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UNITED STATES PATENT OFFICE.

WILLIAM R. MOORE, OF EAST ORANGE, NEW JERSEY.

GUN-CLEANER.

940,985.

Specification of Letters Patent.

Patented Nov. 23, 1909.

Application filed April 5, 1909. Serial No. 487,983.

To all whom it may concern:

Be it known that I, WILLIAM R. MOORE, a citizen of the United States, residing at East Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Gun-Cleaners, of which the following is a specification.

My invention relates to improvements in gun cleaners, and refers particularly to a device for cleaning smooth bore guns such as shot guns.

The leading object of my invention is the provision of a device which can be fitted to the gun barrels with ease and facility and which will effect a rapid and absolutely perfect cleaning of the barrel.

Another object of my invention is the provision of a gun cleaner which will be of the simplest and cheapest possible construction, which will be light in weight but very durable and lasting.

Another object of my invention is the provision of a gun cleaner which can be easily applied to the gun barrels and which will effect a perfect cleaning of every portion of the entire inner surface of the bore, which can be adapted to barrels of different gages, which will permit of a ready and easy change or adjustment of the cleaning covering and which generally will possess every requisite to render the device practical from every point of view.

With these objects in view, my invention consists of a gun cleaner embodying novel features of construction, combination and adaptation of parts substantially as disclosed herein.

In order that the details of construction of my cleaner may be fully understood, as well as the manner of using and the advantages which it possesses, I have illustrated in the accompanying drawings a gun cleaner constructed in accordance with and embodying my invention.

Figure 1, represents a perspective view of my complete device with parts in position for use or service. Fig. 2, represents a perspective view of the parts embodying the cleaner separated. Fig. 3, represents a transverse sectional view of the cleaner, and Fig. 4, represents a horizontal or longitudinal sectional view of the device.

My cleaner is of extremely simple construction, consisting of the rod or stem A,

having each end B threaded, and upon the rod is fitted upon the threaded portions the collars C, to which is connected the plate D, and to the plate is attached the spring shell E, whose sides are open to permit yielding or spring action of the shell.

Fitting upon the shell is the cleaning medium F, which is preferably a wire gauze sheet having its sides formed with flanges G to fit the open sides of the spring shell, and with end flanges or turned in portions H to fit the ends of the spring shell, and the end flanges are engaged by the pair of cup shaped caps J, and said caps are retained in proper position to secure the ends of the cleaning cloth by means of the threaded washers or nuts K which fit the threaded ends of the stem, and said washers are provided with slots or kerfs L to receive a suitable wrench or implement for applying or removing said washers.

From the foregoing description taken in connection with the drawings the operation or manner of using my device will be readily understood, and it will be apparent that the device is screwed to the usual sectional cleaner, the shell with cleaning coverings is slightly collapsed, and in this condition fitted to the gun barrel and then moved back and forth and by reason of the perfectly cylindrical shape of the shell, the cleaning material snugly impinges or engages the inner surface of the gun bore and quickly and perfectly removes every particle of foul matter from the barrel and insures a faultless cleaning of the barrel.

It will be understood that the wire cleaning cloth is very inexpensive and with each cleaner a number of cloths may be provided. Also if desired to use the cleaner for gun barrels of different size or gage, a strip of material may be interposed between the cloth and shell to increase the size of the cleaner, and this can be done with ease by using a strip of cloth, blotting paper or other adaptable material.

It is evident that a gun cleaning device constructed in accordance with my invention accomplishes every object for which it is intended and is calculated to commend itself as desirable and necessary.

I claim:

1. A gun cleaning device, consisting of a spring shell adapted to fit the barrel of the gun, a cleaning medium upon the shell to re-

move the foul matter therefrom, a rod passing through the shell, and a support secured to the shell and having collars to receive and engage the ends of the rod.

- 5 2. A gun cleaning device, consisting of a cylindrical shell, a cleaning medium mounted on said shell for engaging the surface of the barrel to effect the cleaning thereof, a rod passing through the shell, and a support
10 secured to the shell and having collars to receive and engage the ends of the rod.

3. A gun cleaning device, consisting of a cylindrical spring shell open along one side to adapt said shell to fit the barrel of the
15 gun, and a cleaning medium covering said shell, a rod passing through the shell, and a support secured to the shell and having collars to receive and engage the ends of the rod.

- 20 4. A gun cleaning device, consisting of a support adapted to be applied to a cleaning rod, a spring shell connected to said support, collars at each end of said support, a rod passing through said collars and having

threaded engagement therewith, and a cleaning medium mounted on the shell. 25

5. A gun cleaning device, consisting of a rod having threaded ends, a support formed with threaded collars to fit upon and engage said threaded ends, a spring shell secured to
30 the support, a cleaning medium upon the shell, and clamping means engaging the ends of the rod and securing the cleaning medium in proper position.

6. A gun cleaning device, consisting of a
35 rod or stem having threaded ends, a plate connected to said rod or stem, a spring shell secured to said plate, cleaning cloth having its sides and ends secured to the shell, cups engaging the ends of the cloth, and washers
40 fitted to the threaded ends of the rod or stem and engaging the cups.

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

WILLIAM R. MOORE.

Witnesses:

ROSALIE KOPLAN,
G. ROWLAND MUNROE.