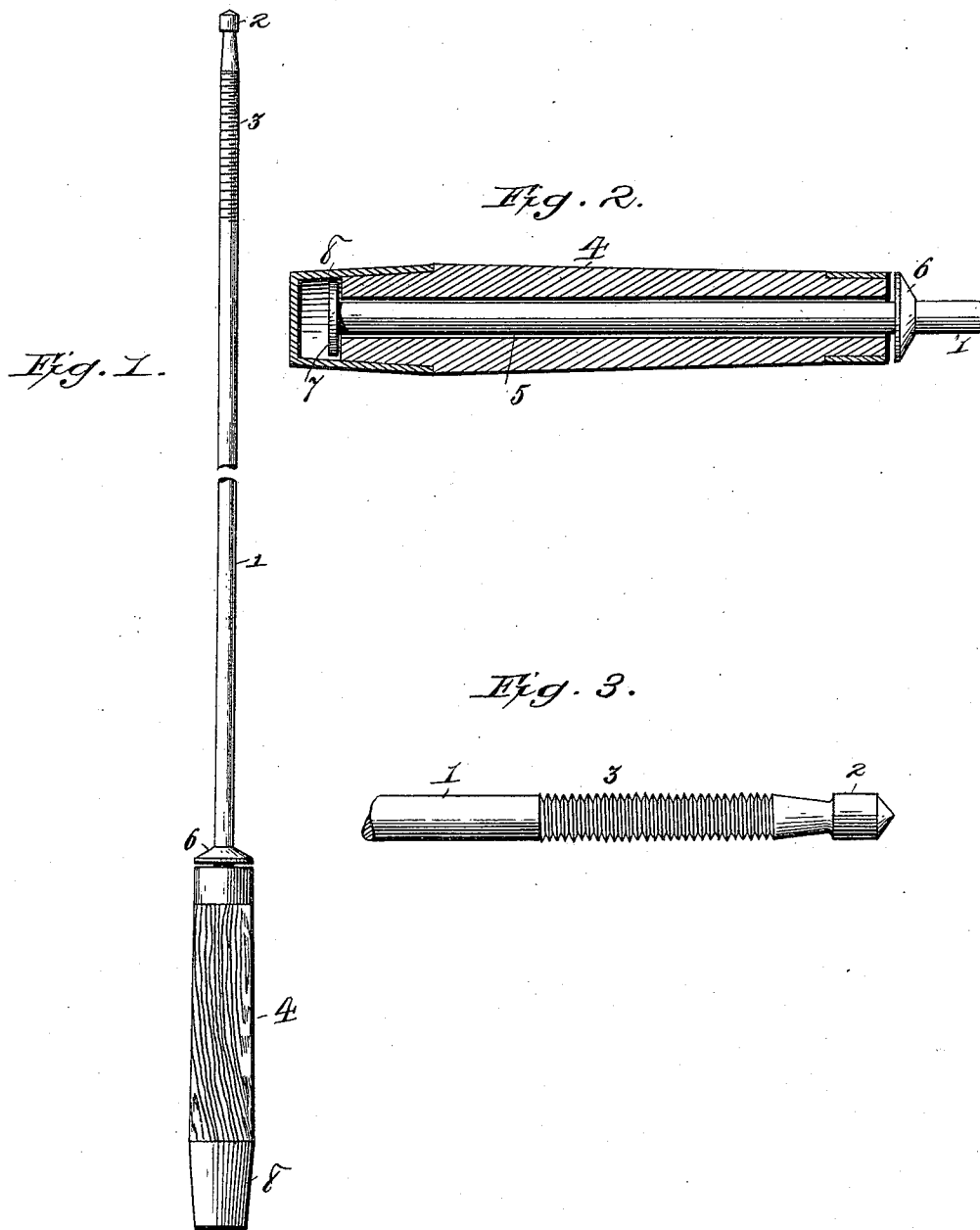


(No Model.)

H. C. PATTERSON.
WIPING ROD.

No. 470,254.

Patented Mar. 8, 1892.



Witnesses

A. J. Schwarz
H. J. Fish

Inventor

Henry C. Patterson

By His Attorney,

J. Fred. Reily

UNITED STATES PATENT OFFICE.

HENRY C. PATTERSON, OF MARSHALL, MISSOURI.

WIPING-ROD.

SPECIFICATION forming part of Letters Patent No. 470,254, dated March 8, 1892.

Application filed September 5, 1891. Serial No. 404,864. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. PATTERSON, a citizen of the United States, residing at Marshall, in the county of Saline and State of Missouri, have invented certain new and useful Improvements in Wiping-Rods; 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 figures of reference marked thereon, which form a part of this specification.

My invention consists in a new and improved wiping-rod which can be made out of iron, brass, or steel wire of sufficient diameter for guns, rifles, or pistols, and which can also be made of wood for guns of larger caliber.

My invention will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a side elevation of my new and improved wiping-rod. Fig. 2 is a sectional detail view, on a larger scale, of the handle end of the same. Fig. 3 is a detail view, on an enlarged scale, of the point or inner end of the rod.

Referring to the several parts by their designating-numerals, 1 indicates the rod proper, which may be of any desired length and thickness and which is usually formed of iron, brass, or steel wire of sufficient diameter when intended to be used in guns, pistols, or rifles, but which may be formed of wood if used in guns of larger caliber. The point or inner end of the rod is reduced near its extremity to form the shouldered knob 2, and above this knob a spiral thread 3 is formed around the rod. It will be seen that this construction affords a ready and effective means for attaching the wiping material to the end of the rod, as by inserting the end of the rod in the wiping material and giving the rod a few turns the material will be twisted around the end of the rod and will be securely held there by the end knob and spiral thread, which are twisted into the material so as to hold it firmly on the rod.

4 indicates the handle of my wiping-rod, which is formed with a central longitudinal bore or opening 5, extending entirely through

it. A washer 6 is secured on the upper end of the rod at a suitable distance from the upper extremity of the same, and the handle is then placed on the upper end of the rod with its inner end in close proximity to the washer 6, when a washer 7 is secured upon the rod at the upper or outer end of the handle. A cap-piece 8 is preferably secured upon the upper end of the revolving handle 4, so as to conceal the upper washer 7 from view and give a neat finish to the handle. The bore of the handle is of such diameter that it fits loosely upon the rod, and a sufficient distance is left between the washers 6 and 7 and the ends of the handle to enable the handle to turn or revolve freely on the rod.

In operation when cleaning a rifle the inner end of the rod is inserted in the end of the barrel and the handle 4 is held stationary in the hand, and it will now be readily seen that as the wiping-rod is pushed into the barrel of the rifle my peculiar handle will enable the rod to turn freely, and thus enable the inner end of the rod to follow the rifles or spiral grooves which are formed in the inside of the rifle-barrel, so that it will be certain to thoroughly and effectually clean out the spiral grooves, for as the end of the revolving rod will travel around and follow the curves of the grooves in the rifle-barrel it will be certain to clean them out completely and effectually and in a more thorough manner than is possible where a rod having a rigid handle is pulled over across the grooves in the barrel.

My new and improved wiping-rod can be manufactured as cheaply as the old rod having the stationary handle and can be as readily used, as it is only necessary to insert the end of the rod in the barrel and then push in on the handle, when the rod will revolve automatically as its end travels around in the curved grooves of the rifle or pistol barrel. This rod will be made of all calibers and lengths for rifles, guns, and pistols, and will clean out the rifle with one-half the labor required with the ordinary rod.

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

1. The combination of a wiping-rod for rifles, &c., having the washers 6 and 7 secured at a suitable distance apart upon its outer

end, and the handle 4, formed with the central longitudinal bore and fitting loosely upon the outer end of the rod between the said washers, substantially as set forth.

5 2. The herein-described new and improved wiping-rod for rifles, &c, consisting of the rod 1, formed at its inner end with the shouldered knob 2 and the spiral thread 3 and having the washers 6 and 7 secured at a suitable distance apart upon its outer end, and the han-

dle 4, formed with the central longitudinal bore and fitting loosely upon the outer end of the rod between the said washers, substantially as set forth.

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

HENRY C. PATTERSON.

Witnesses:

J. T. FISHER,

R. B. TAYLOR.