T. A. SOUTHGATE.

TELESCOPIC GUN ROD.

APPLICATION FILED NOV. 9, 1912.

1,067,383.

Patented July 15, 1913.

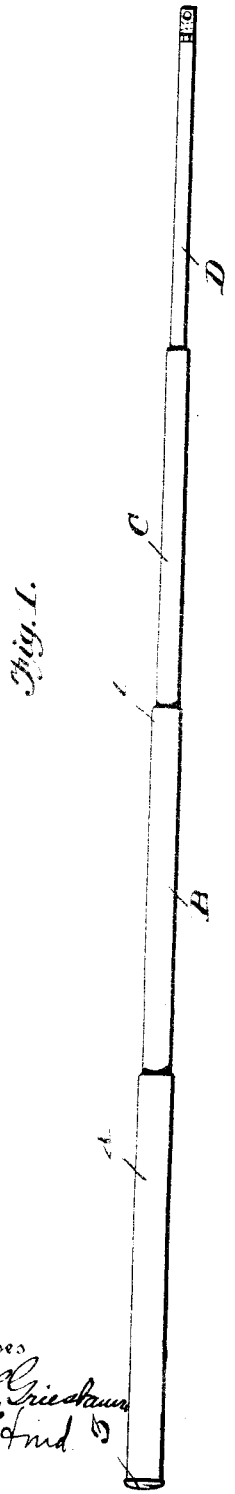


Fig. 1.

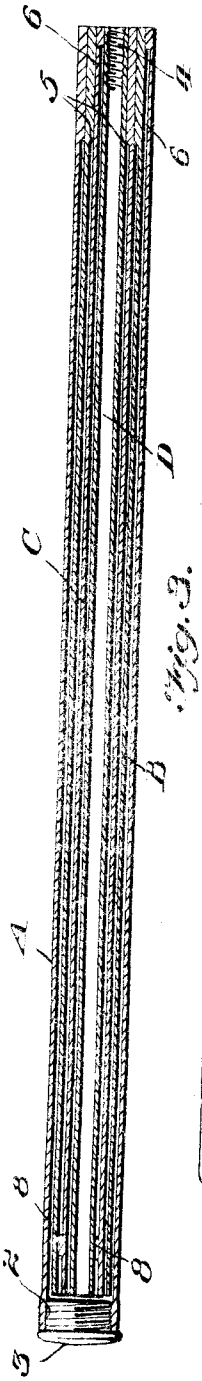


Fig. 2.

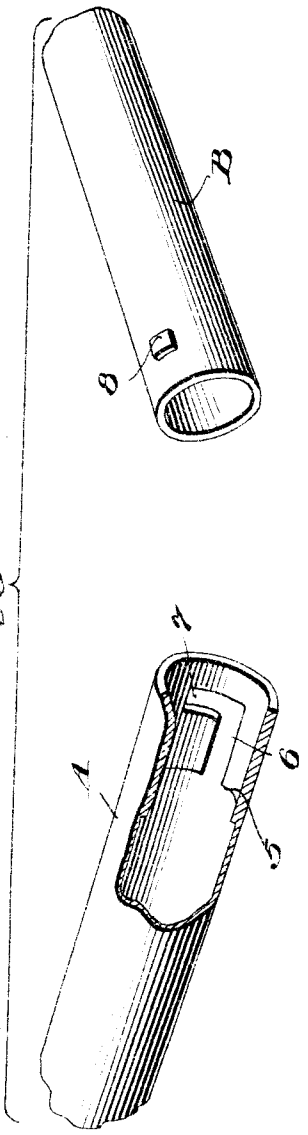


Fig. 3.

Witnesses

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TELESCOPIC GUN-ROD.

1,067,383. Specification of Letters Patent. Patented July 15, 1913.

Application filed November 9, 1912. Serial No. 730,471.

To all whom it may concern:

Be it known that I, THOMAS A. SOUTHGATE, a citizen of the United States, residing at Lapwai, in the county of Nez Perce and State of Idaho, have invented certain new and useful Improvements in Telescopic Gun-Rods, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to new and useful improvements in gun cleaning implements and more particularly to a telescopic rod therefor, and my object is to provide a device of such character which can be readily disposed in compact form so as to be carried about the person.

A further object of the invention resides in providing a telescopic rod with improved means for locking the sections thereof in extended position, and a still further object resides in providing a device which is extremely simple and durable in construction, inexpensive to manufacture and one which will be very efficient and useful in operation.

With these and other objects in view, the invention consists in the novel features of construction, combination and arrangement of parts as will be hereinafter referred to and more particularly pointed out in the specification and claim.

In the accompanying drawing forming a part of this application, Figure 1 is a side elevation of the device in extended position. Fig. 2 is a vertical section therethrough. Fig. 3 is a perspective view of two of the sections of the rod separated with parts of said sections broken away.

In describing my invention, I shall refer to the drawing in which similar reference characters designate corresponding parts throughout the several views and in which—

1 indicates a rod composed of the telescopic sections A, B, C and D, said sections having such frictional engagement with one another, as to be held in collapsed condition when the device is folded. The outer end of the section A is internally threaded, as shown at 2 to receive a cap member 3 in engagement therewith and the outer free end of the section D is also internally threaded, as shown at 4, the threads being of standard size to receive the usual swab attachment in engagement therewith.

As stated, the sections of the rod have such frictional engagement as to retain the same in collapsed condition, but I have provided particular means for locking the same in their extended positions, and to this end, each section is internally increased in thickness at its outer end to provide a shoulder 5 on the inner periphery thereof. A longitudinal groove 6 is formed on the inner periphery of each section from the shoulder 5 thereon to a point adjacent the extreme free end of the section, the latter end of the groove terminating in a transverse groove or notch 7. Each section, with the exception of the section A, is also provided at a point adjacent its inner end, with an externally and laterally extending lug 8 which is of such size as to be snugly received in the groove or slot 6 and notch 7. Thus, it will be seen that when the sections are drawn out to their extended positions, the lugs 8 are adapted to contact with the shoulders 5 of the adjacent sections to limit the outward movement thereof, but when said sections are slightly twisted until the lugs register with the grooves 6, the sections may be further extended and by an additional twist of the sections, the lugs may be disposed in the notches 7 to lock said sections in their extended positions.

In practice, assuming that the device is in its folded or collapsed position, should it be desired to extend the same for use, the swab attachment (shown in Fig. 1) may be engaged with the threaded end 4 of the section D and by an outward pulling movement, the sections may be extended. Each section is then given a turn and outward pull until the lug thereon registers with the end of the groove 6, whereupon the referred to section will be further extended and by a further twist thereof, said lug will be engaged in the notch 7 adjoining said groove. The referred to section will, in this position, be locked in its extended position and after each section has been so locked with respect to the adjacent section, the device is ready for use. From the description of the manner in which the device is set up or extended, the manner in which the same is collapsed or folded will be readily understood. It will also be understood that while I have described but a single slot and notch, and but a single lug in connection with each section, a pair of such grooves, notches and lugs may be provided on each section, if so desired.

From the foregoing it will be seen that I

have provided a simple, inexpensive and efficient means for carrying out the objects of the invention, and while I have particularly described the elements best adapted to perform the function set forth, it is obvious that various changes in form, proportion and in the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the principles of the invention.

Having thus described this invention, what I claim is:—

A gun rod comprising a plurality of telescoping sections, the inner periphery of each of which is increased in thickness inwardly at its outer end to provide an inner annular shoulder, the thickened portion of each of said sections being slotted longitudinally from the shoulder to a point adjacent the outer end of the same and terminating in a laterally extending notch, an additional section telescoped within the aforesaid sections having the outer end thereof internally threaded, lugs formed on the outer faces of said additional section and the inner sections of the first mentioned telescoping sections, said lugs being formed on the aforesaid sections at points adjacent the inner ends thereof and adapted to be received in the slots and notches of the immediately surrounding sections, whereby to lock said sections in their extended positions, a head member engaged with the threaded outer end of said additional section, and a cap member applied to the inner end of the outer of said telescoping sections.

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

THOMAS A. SOUTHGATE.

Witnesses:
EDITH WATSON,
WINIFRED LANE.