A. AARDAHL.

TELESCOPIC GUN CLEANING ROD.

APPLICATION FILED MAR. 9, 1911.

1,007,512. Patented Oct. 31, 1911.

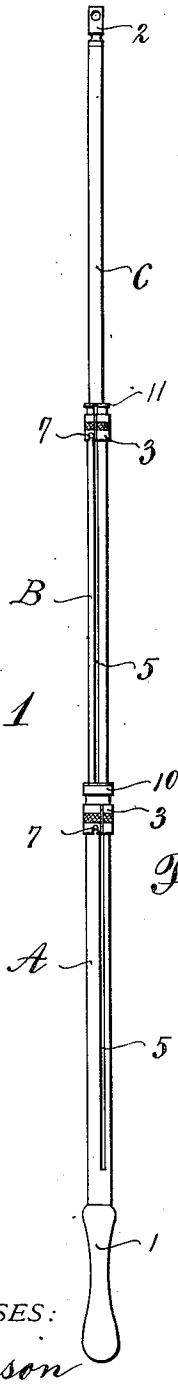

Fig. 1

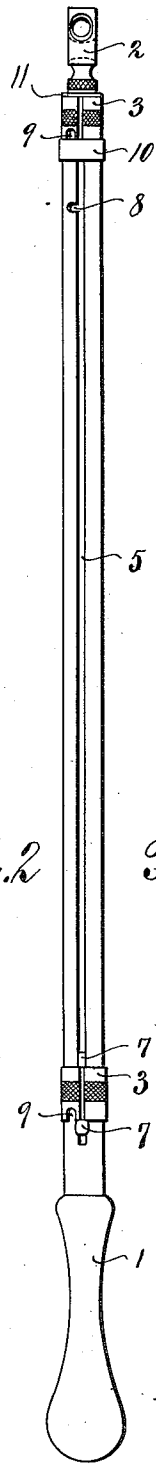

Fig. 2

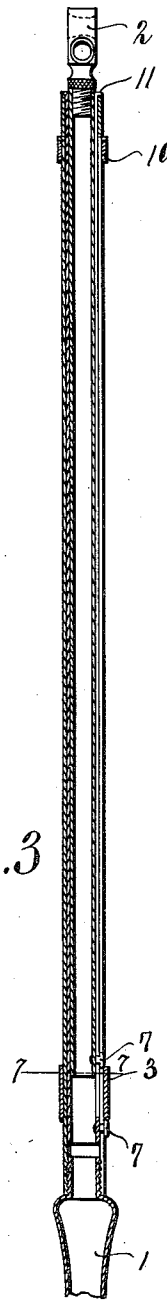

Fig. 3

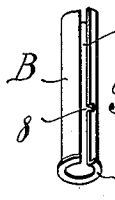

Fig. 4

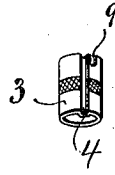

Fig. 5

Fig. 6

Fig. 7

WITNESSES:

E. Larson

Edw. Hattenbach

INVENTOR

Andrew Aardahl

BY Bellers & Robb

Attorneys

UNITED STATES PATENT OFFICE.

ANDREW AARDAHL, OF WHITE EARTH, NORTH DAKOTA.

TELESCOPIC GUN-CLEANING ROD.

1,007,512. Specification of Letters Patent. Patented Oct. 31, 1911.

Application filed March 9, 1911. Serial No. 613,234.

To all whom it may concern:

Be it known that I, ANDREW AARDAHL, a citizen of the United States, residing at White Earth, in the county of Mountrail and State of North Dakota, have invented certain new and useful Improvements in Telescopic Gun-Cleaning Rods, of which the following is a specification.

This invention consists of an improved telescopic gun rod, and resides particularly in the provision of an extremely compact and strong article of the above class, in connection with a peculiar lock, whereby the sections of the rod are positively held in extended positions.

For a full understanding of the present invention, reference is to be had to the accompanying drawings, in which—

Figure 1 is a view in elevation of a gun rod embodying the invention; Fig. 2 is a view showing the device collapsed; Fig. 3 is a vertical longitudinal sectional view of the collapsed rod; Fig. 4 is a detail perspective view showing the upper end portion of the second section of the rod; Fig. 5 is a detail perspective view of the locking sleeve; Fig. 6 is a view similar to Fig. 4, in respect to the first or handle section; Fig. 7 is a transverse section taken about on the line 7—7 of Fig. 3.

Throughout the following detail description and on the several figures of the drawings, similar parts are referred to by like reference characters.

A rod made in accordance with the present invention is composed of a handle 1 which may be made of hollow metal or of any similar construction, and a plurality of sections, A, B and C. At the upper end of the section C is provided a swab holder 2, preferably having threaded connection with said section. The several sections of the rod are made of strong metal and the frictional telescopic connection between the sections is such that they will be held in their collapsed condition as shown in Fig. 3 when the device is folded. At the upper end of each of the sections A and B is located a locking sleeve 3 which may be knurled on its outer surface to facilitate grasping the same in manipulating the parts of the rod. Said sleeve 3 is prevented from rotation on the respective section on which it is carried by means of a rib 4 pressed or otherwise formed in the sleeve so as to engage in a slot 5, the sections A and B each having a slot. On the lower end of each section B and C is provided an outwardly extending pin or projection 7 adapted to operate longitudinally in the slot 5 adjacent thereto when telescopic movement is imparted to the sections relative to one another. The projection 7 performs another function in that it is adapted to be turned laterally by a slight rotative movement of either of the sections B and C, whereby it will be forced into a notch or recess 8 extending from the slot 5 of each section A and B, near the upper end of said section. Each sleeve 3 has a longitudinal slot 9 substantially in alinement with the notch or recess 8 adjacent thereto, whereby when the projection 7 has been forced into its notch or recess 8, the sleeve 3 adjacent may be moved so that the pin or projection 7 is received by the slot 9 thereof, under which conditions, the section of the rod carrying the pin or projection can not move either longitudinally or transversely of the adjacent section.

The preferred manner of operating the invention is as follows, in respect to adjustment of the sections for actual use: The operator preferably grasps the handle 1, say in his right hand, and by grasping the section B in his left hand the latter may be pulled outwardly from the section A, the pin 7 of section B sliding longitudinally in the slot 5 of section A until it reaches a point opposite the notch or recess 8. The operator then rotates the section B slightly until the projection 7 is received by the notch 8, whereupon the adjacent sleeve 3 is pulled downwardly on the section A until the projection 7 is received by the slot 9. The sections A and B are then locked positively in their relative positions and the above operation is carried out in respect to the sections B and C also. To collapse the rod, the sleeve 3 must be raised and the section carrying the same then turned to the left, whereupon the projection 7 permits the sections to slide together. The extension of the rod is limited by the provision on the lower section A of a stop collar 10 engaging the sleeve 3 of the section A to limit outward movement of the section B relative thereto. The upper end of the section B is formed with a flange 11 coacting with the sleeve 3 of the section B to limit the movement of the section C relative to the section B.

Having thus described the invention, what I claim as new is:

1. In a collapsible gun rod, the combination of a plurality of collapsible sections, one section having a longitudinal slot therein, a projection extending from an end of a second section and movable longitudinally in the slot of the first section, the first section having a notch leading laterally from its slot and into which the projection aforesaid is adapted to be turned by rotative movement of the second section, and a locking sleeve on the first section provided with a slot adapted to receive said projection to prevent displacement of the latter from the notch.

2. In a collapsible gun rod, the combination of a plurality of collapsible sections, one section having a longitudinal slot therein, a projection extending from an end of a second section and movable longitudinally in the slot of the first section, the first section having a notch leading laterally from its slot and into which the projection aforesaid is adapted to be turned by rotative movement of the second section, and a locking sleeve movable longitudinally of the first section and having a slot to engage the projection on the second section whereby to prevent said projection from being disengaged from the notch, said sleeve having means preventing rotation thereof.

3. In a collapsible gun rod, the combination of a plurality of collapsible sections, one section having a longitudinal slot therein, a projection extending from an end of a second section and movable longitudinally in the slot of the first section, the first section having a notch leading laterally from its slot and into which the projection aforesaid is adapted to be turned by rotative movement of the second section, and a locking sleeve movable longitudinally of the first section and having a slot to engage the projection on the second section whereby to prevent said projection from being disengaged from the notch, said sleeve having a longitudinal rib entering the slot of the first section to hold the sleeve with its slot substantially in alinement with the notch aforesaid.

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

ANDREW AARDAHL.

Witnesses:
JOHN A. MOLDSTAD,
OLE LEROHL.