April 10, 1928.

1,665,257

C. W. DAKE

GUN CLEANING ROD

Filed Jan. 29, 1927

Fig. 1

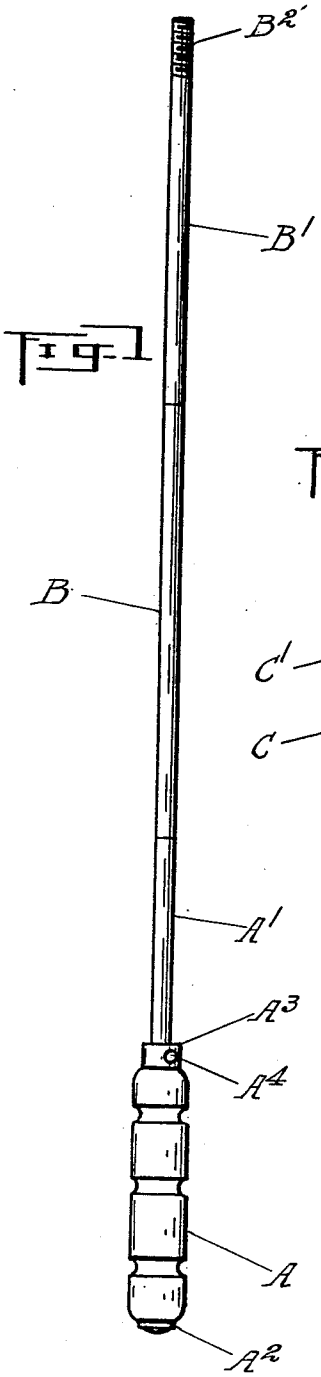


Fig. 2

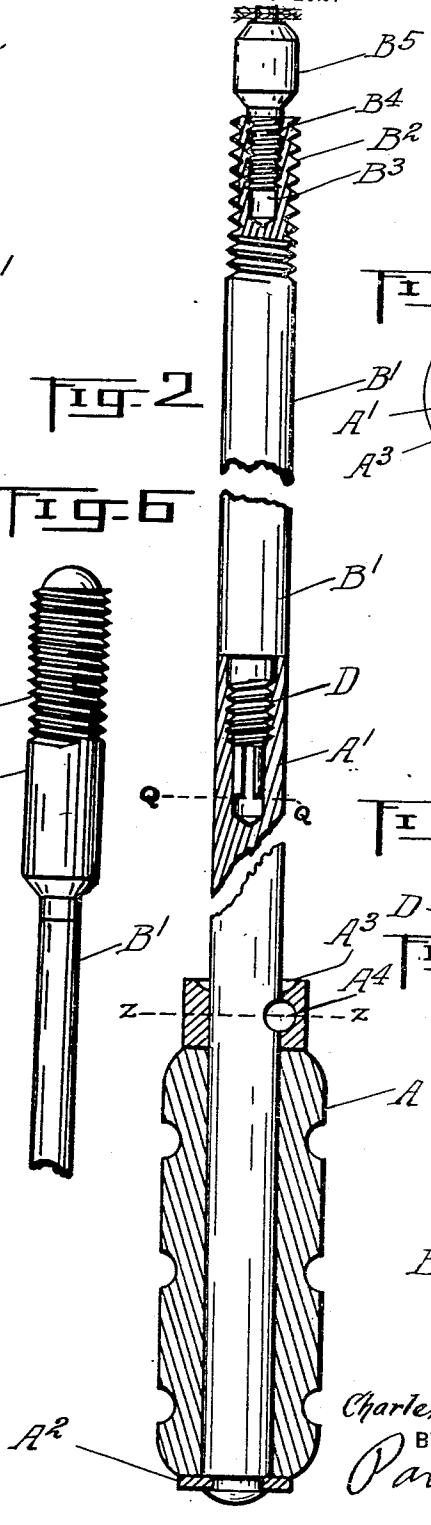


Fig. 3

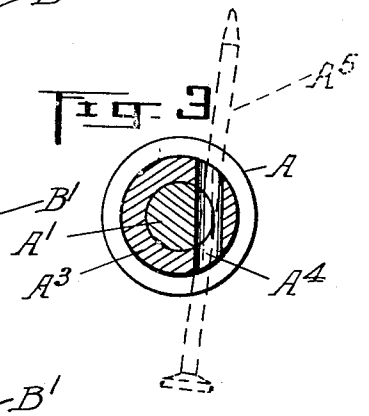


Fig. 6

Fig. 4

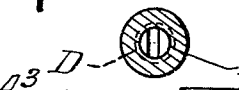
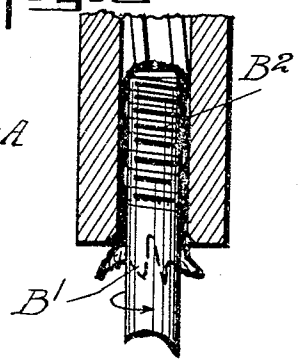


Fig. 5



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Patented Apr. 10, 1928. 1,665,257

UNITED STATES PATENT OFFICE.

CHARLES W. DAKE, OF CHICAGO, ILLINOIS.

GUN-CLEANING ROD.

Application filed January 29, 1927. Serial No. 164,399.

My invention relates to improvements in gun cleaning rods and has for one object to provide a new and improved type of rod wherein the cleaning patch may be held in such a manner that if the patch is stuck the rod and head carrying the patch may be withdrawn leaving the patch in place so that the patch may be otherwise removed. This is accomplished by providing a jag or head which carries the patch with a thread, this thread being continuous and smooth so that the patch may be wrapped around it and the gun cleaned thereby. If the jag sticks, the rod can be positively rotated, the jag unscrewed from the patch. Other objects will appear from time to time throughout the specification and claim.

My invention is illustrated more or less diagrammatically in the accompanying drawings, wherein—

Figure 1 is a side elevation;

Figure 2 is a detail in part section showing the rod handle, the connection for take down rod and the jag;

Figure 3 is a section along the line Z—Z of Figure 2;

Figure 4 is a section along the line Q—Q of Figure 2;

Figure 5 is a detail on a large scale showing the patch and jag in the barrel;

Figure 6 is a modified view.

Like parts are indicated by like characters throughout the specification and drawings.

The cleaning rod comprises a handle A, swiveled on a handle section A^1 between a washer A^2 and a sleeve A^3. This sleeve is firmly mounted on the handle and held against rotation with respect thereto. Passing through the handle and the sleeve is a hole A^4 through which a nail or rod A^5 may be passed so that when it is desired to rotate the rod, the nail or pin may be passed through and used to rotate it.

B is an intermediate rod section; B^1 a front section. This front section is threaded at B^2 to form a jag and may be centrally apertured and threaded as at B^3 contain a threaded shank B^4 of a brush or cleaner B^5. In the preferred form, the rod is of the same diameter throughout its length, the jag or threaded end being the same diameter as the rod. In the modified form shown in Figure 6, however, a larger elongated cylindrical portion C is provided threaded at C^1. In this case, however, the cylindrical portion C is so long that a patch will as shown in Figure 5 always be located between the barrel of the gun and the cylindrical portion of the jag or end because if the patch comes over beyond the larger diameter part of the rod, it will be impossible to unscrew the patch from the rod. With the parts for instance in the position shown in Figure 5, if the rod is rotated in the direction shown in the arrow, the rod will screw out of the patch and leave the patch in the bore. In order that this may take place, even with an articulated rod, it will be noted that threads D joining the two sections of the rod are right hand threads whereas the threads where it engages the jag are left hand threads so that rotation of the rod in a direction calculated to unscrew it from the patch will not result in unscrewing and separating the separate sections of the rod.

I claim:

A cleaning tool for fire arms and the like comprising a rod, a handle in which the rod is mounted for rotation, the end of the rod removed from the handle being cylindrical, a thread formed in the extreme forward end of the cylindrical portion of the rod and extending clear to the extreme end thereof, the outside diameter of the thread and of the cylindrical portion of the rod being the same and means associated with the handle whereby the rod may be given a positive rotation to screw the threaded end thereof out of engagement with a patch in the barrel.

Signed at Chicago, county of Cook and State of Illinois, this 24th day of January, 1927.

CHARLES W. DAKE.