

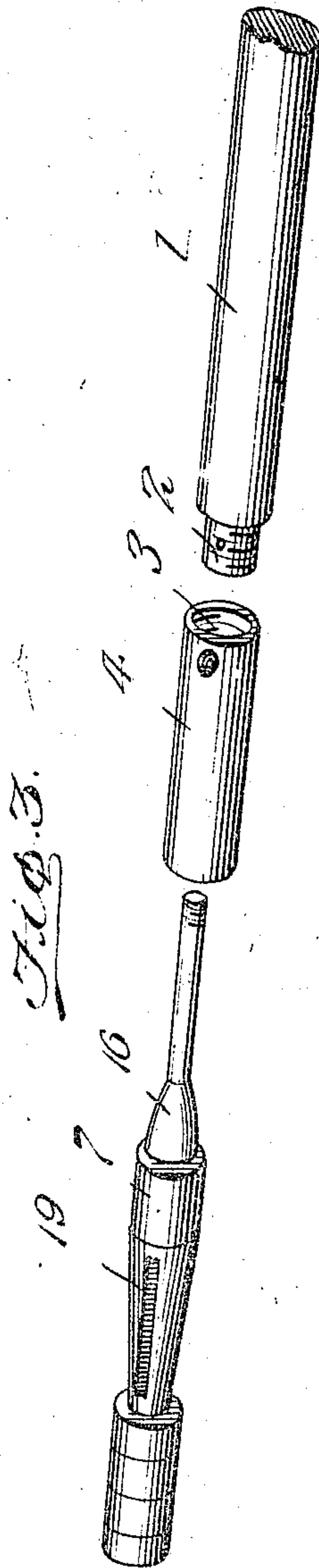
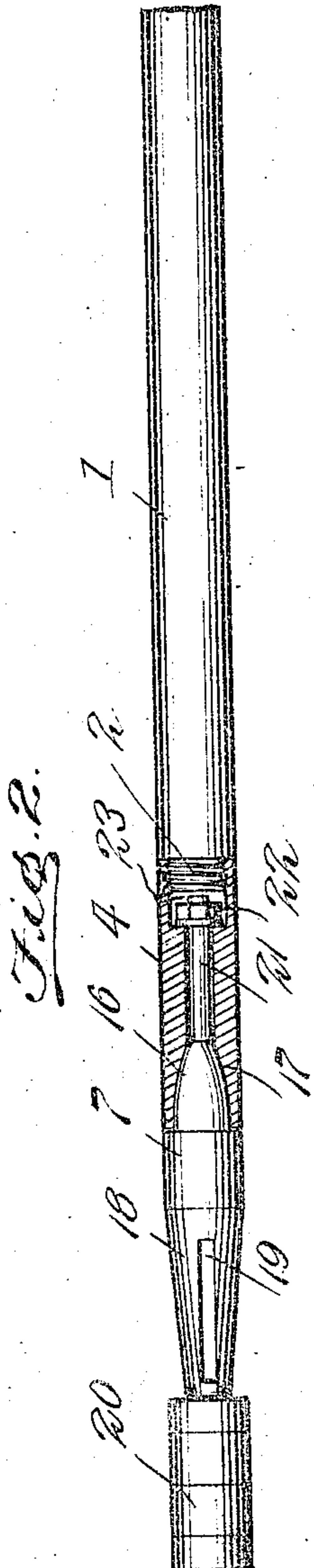
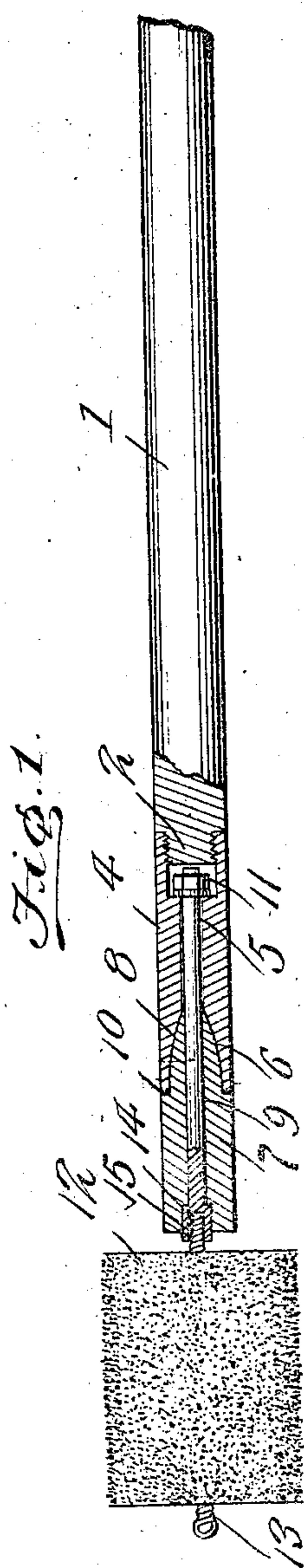
No. 877,778.

PATENTED JAN. 28, 1908.

E. W. O. KAUFFMAN.

GUN CLEANER.

APPLICATION FILED AUG. 30, 1907.



Witnesses

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ELMO W. O. KAUFFMAN, OF KEYSER, WEST VIRGINIA.

GUN-CLEANER.

No. 877,778.

Specification of Letters Patent.

Patented Jan. 28. 1908

Application filed August 30, 1907. Serial No. 390,787.

To all whom it may concern:

Be it known that I, ELMO W. O. KAUFFMAN, a citizen of the United States, residing at Keyser, in the county of Mineral and State of West Virginia, have invented new and useful Improvements in Gun-Cleaners, of which the following is a specification.

This invention relates to gun cleaners and one of the principal objects of the same is to provide a gun cleaner in which the cleaning head is permitted to rotate freely upon the rod or handle.

In cleaning rifle barrels it is found very desirable to permit the cleaning head to rotate in the rifle grooves in order that the inner surface of the barrel may be thoroughly cleaned. In gun cleaners where the head is mounted rigidly upon the rod or handle the burned powder is simply wiped over the grooves or the intermediate ribs and the barrel is thus imperfectly cleaned. When the cleaning head is mounted to rotate freely upon the rod the brush will follow the grooves and thoroughly clean the same.

Another object of my invention is to provide a plurality of detachable heads for a cleaner, one of said heads carrying a brush and another carrying a head provided with a slot in order that a cloth or swab may be secured thereto for thoroughly wiping and polishing the inner surface of the gun.

The objects and advantages referred to may be attained by means of the construction illustrated in the accompanying drawing, in which:—

Figure 1 is a side elevation and partial section of a gun cleaner made in accordance with my invention; said figure showing the brush head in place. Fig. 2 is a side elevation and partial section of the gun cleaner with the brush head removed and another form of head secured to the rod or handle. Fig. 3 is a perspective view showing the parts of the gun cleaner detached.

Referring to the drawing for a more particular description of my invention, the numeral 1 designates the rod or handle having a reduced threaded end 2 designed to fit the interior threads 3 formed in one end of the section 4 of the cleaner, said section 4 having a central bore 5 therein and at the outer end said section is provided with a flaring socket 6 designed to receive the section 7 provided with a tapering end 8 adapted to fit the socket 6, and said section is also pro-

vided with a central bore 9 and extending through the sections 4 and 7 is a swiveled rod 10, said rod being fitted with a nut 11 disposed in a recess in the section 4 adjacent to the end 2 of the handle 1, as shown more particularly in Fig. 1. The brush 12 which may be of any desired size is secured to a twisted wire core 13 and said core is secured in a socket 14 in the swiveled rod 10 by means of solder 15 or in any other suitable manner. The operation of this portion of my invention will be readily understood from the foregoing. The swiveled rod 10 rotates freely in the sections 4 and 7 thus permitting the brush to follow the spiral grooves in the rifle barrel.

As shown in Figs. 2 and 3, the cleaning head is made up of parts similar to the sections 4 already described, and the section 7 with slight alteration. The section 7 is provided with the tapering portion 16 fitted into the socket 17 in the section 4 and at the outer end said section 7 is provided with a tapering portion 18 provided with a slot 19 for a cloth or swab which may be passed around or over the end of the head 20 which may be made up of separate rings or of suitable flexible material like felt if so desired. The rod 21 may be rigidly connected to the tapered portion 16 and the nut 22 applied to the end of the rod 21 is seated in a recess 23 immediately adjacent the reduced end 2 of the handle 1.

From the foregoing it will be obvious that a gun cleaner made in accordance with my invention and provided with a series of detachable heads each permitted to revolve freely upon the handle or rod 1 will thoroughly clean a gun whether it be rifle bore or smooth bore.

My invention is of simple construction, can be manufactured at slight cost and will be found very efficient and reliable for its purpose.

Having thus described the invention, what is claimed as new, is:—

1. A gun cleaner comprising a rod or handle, a section secured to said rod or handle and provided with a recess at its outer end, a section provided with a reduced portion seated in said recess, and a rod carrying a head and mounted to rotate freely in and connecting said sections.

2. A gun cleaner comprising a rod or handle having a reduced threaded end, a section

detachably connected to said threaded portion, said section having a flaring socket, a section provided with a tapering portion fitted in said socket, a swiveled rod connected to said section, and a head provided with a slotted portion, substantially as described.

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

ELMO W. O. KAUFFMAN.

Witnesses:

F. G. DAVIS,
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