

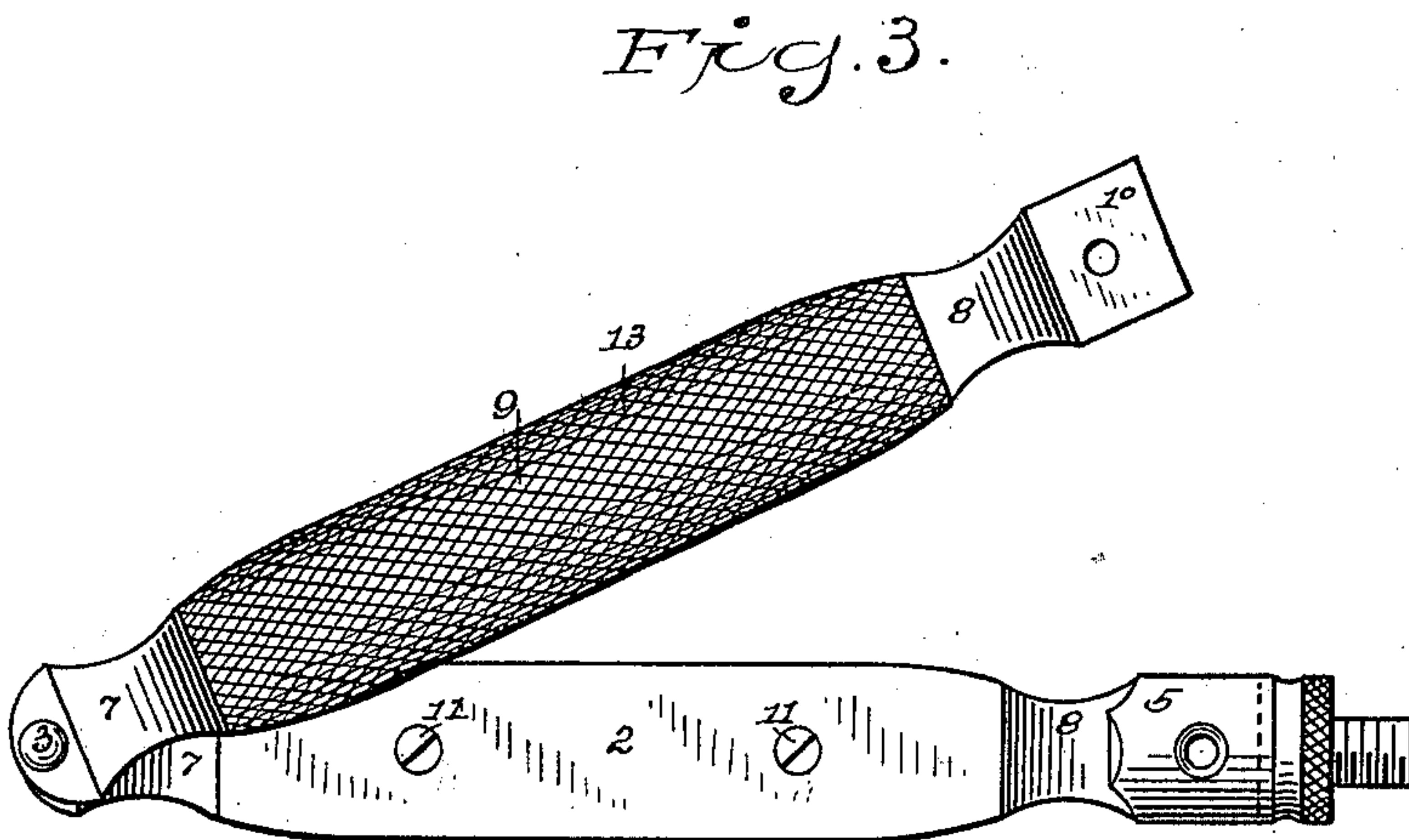
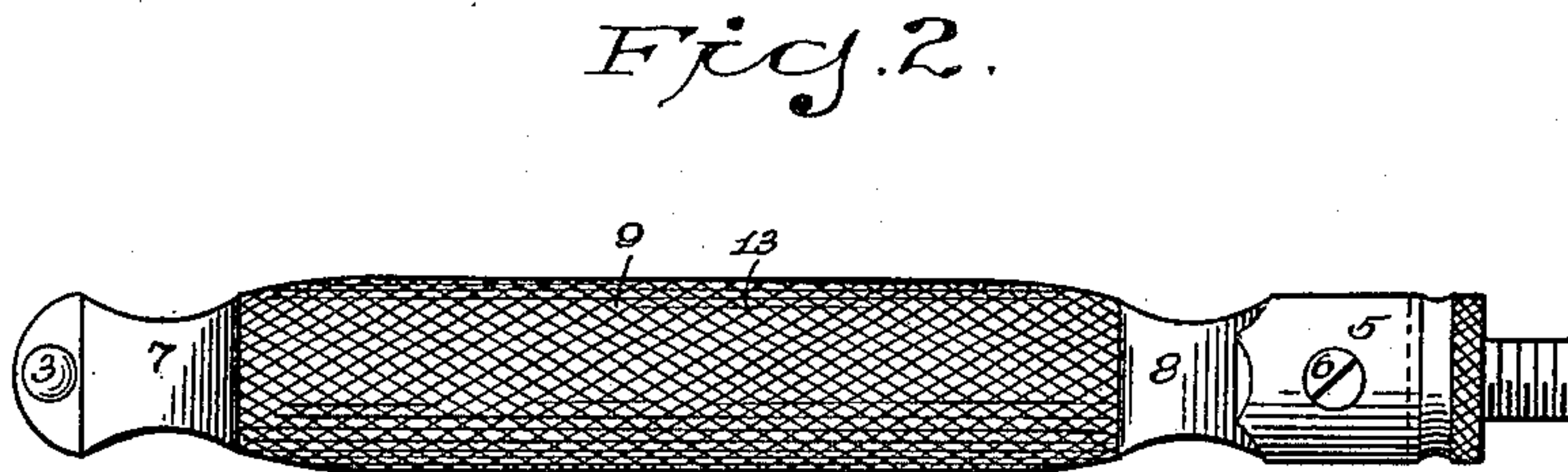
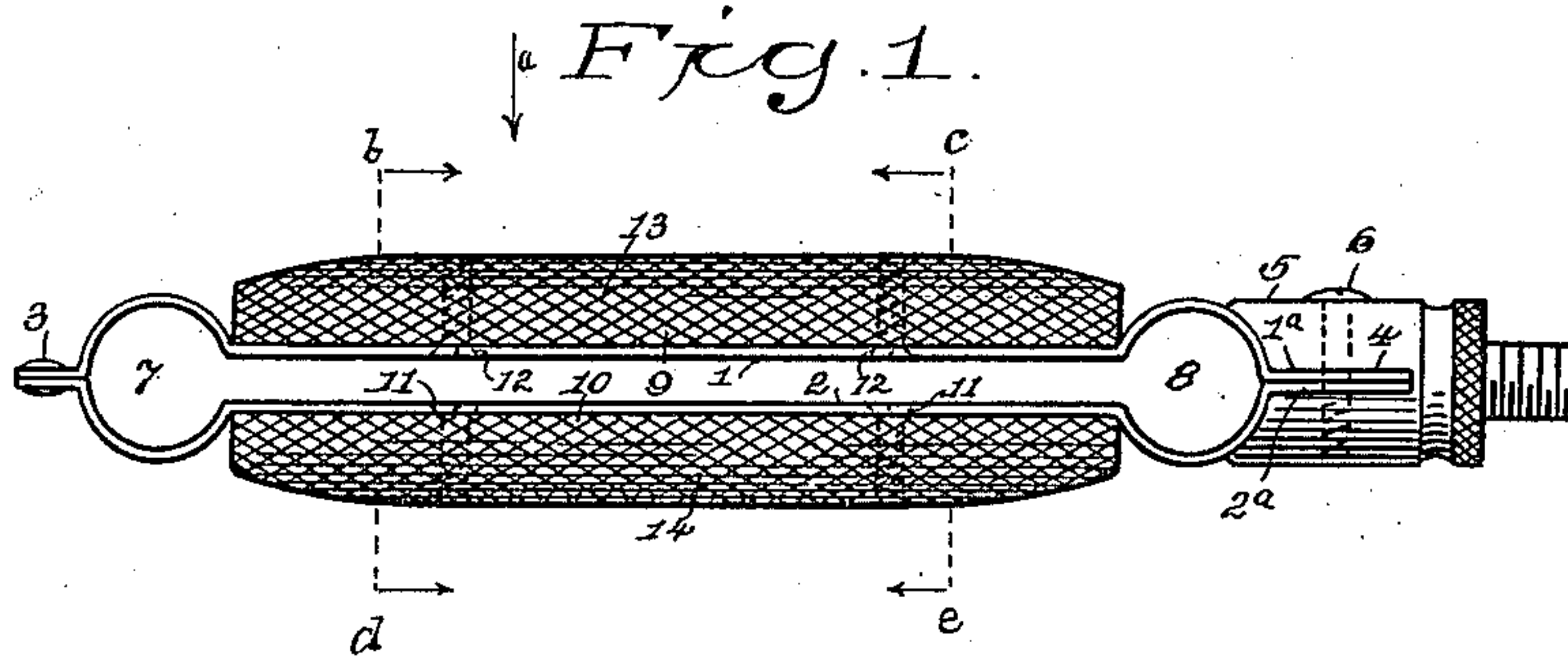
No. 684,983.

Patented Oct. 22, 1901.

F. B. FELTON.
GUN BARREL CLEANER.

(Application filed Oct. 4, 1900.)

(No Model.)



WITNESSES.

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UNITED STATES PATENT OFFICE.

FRANK B. FELTON, OF BRIDGEPORT, CONNECTICUT.

GUN-BARREL CLEANER.

SPECIFICATION forming part of Letters Patent No. 684,983, dated October 22, 1901.

Application filed October 4, 1900. Serial No. 32,002. (No model.)

To all whom it may concern:

Be it known that I, FRANK B. FELTON, a citizen of the United States, and a resident of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Gun-Barrel Cleaners, of which the following is a specification.

My invention relates to an improved gun-barrel cleaner; and it consists in certain details of construction to be more fully set forth in the following specification.

The object of my invention is to so construct a cleaner that it will have a longer bearing-surface to present to the inside of a gun-barrel, and thus make it more effective as a cleaner, and, further, to provide means whereby the pads or supports for the wire-gauze are easily and quickly removed to replenish the wire-gauze.

To enable others to readily understand my invention, reference is had to the accompanying drawings, in which—

Figure 1 represents a side elevation of the cleaner detached from the rod. Fig. 2 is a view looking in the direction of arrow *a* of Fig. 1. Fig. 3 is a view showing the cleaner open.

Its construction and operation are as follows:

1 and 2 are two metal spring-supports pivoted together by the rivet 3, while their free ends 1^a and 2^a are let into the slot 4 of the shank 5 and held therein by means of the screw 6.

7 and 8 are eyes formed near each end of these spring-supports to stiffen them.

9 and 10 are pads secured to the spring-supports by means of the screws 11 and 12, the heads of these screws being flush with the inside face of the said spring-supports for the purpose presently to be more fully described. Over these pads, with their edges tucked under the edges of the pads 9 and 10, are the wire-gauze coverings 13 and 14, which coverings act as cleaners or scrapers on the inside of a gun-barrel. It will be observed that the ends of the pads 9 and 10 are slightly tapered at their ends to facilitate the entrance and movement of the device in the barrel, while the balance of these pads—viz., between the dotted lines *b c* and *d e*—are straight, as shown at Fig. 1.

This feature gives a longer bearing-surface, and consequently is more effective as a cleaner, it being understood that the normal

diameter of the cleaner through the wearing portion is greater than the diameter of the bore of a gun-barrel, so that when the cleaner is forced into the barrel the long springy nature of the upper and lower supports 1 and 2, combined with the eyes 7 and 8, will exert an outward tension or pressure on the bore of the barrel sufficient to produce the necessary cleaning friction, and the cleaning portions, as before mentioned, having a long bearing-surface will greatly enhance the wearing qualities of the device.

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

1. The herein-described gun-barrel cleaner, consisting of the two flexible sections carrying pads overlaid with wire-gauze, said sections pivotally supported at one end and adapted to swing on such pivotal support, means for securing the opposite ends of said sections, for the purpose set forth.

2. The herein-described gun-barrel cleaner, consisting of the yielding or flexible supports carrying pads overlaid with wire-gauze, said pads secured to said supports, one end of said supports pivoted together and adapted thereby to swing on said pivot, a slotted shank adapted to receive the opposite end of said supports, means for temporarily securing said ends therein, for the purpose set forth.

3. The herein-described gun-barrel cleaner, consisting of the two flexible supports carrying pad-sections overlaid with wire-gauze mounted on a straight or substantially straight portion of said supports, outward swells formed near the ends of each support so as to form eyes when said supports are connected, said supports pivoted together at one end and temporarily locked in the shank at the other end, for the purpose set forth.

4. The herein-described gun-barrel cleaner, consisting of the two flexible sections carrying cleaning-pads, outward swells formed near the end of each section so as to form eyes when said sections are connected together and thereby increase the elasticity of said sections, for the purpose set forth.

Signed at Bridgeport, in the county of Fairfield and State of Connecticut, this 3d day of October, A. D. 1900.

FRANK B. FELTON.

Witnesses:

L. R. HOYT,
S. G. MEEKER.