

(Model.)

C. F. GILLETTE.

GUN CLEANER.

No. 387,410.

Patented Aug. 7, 1888.

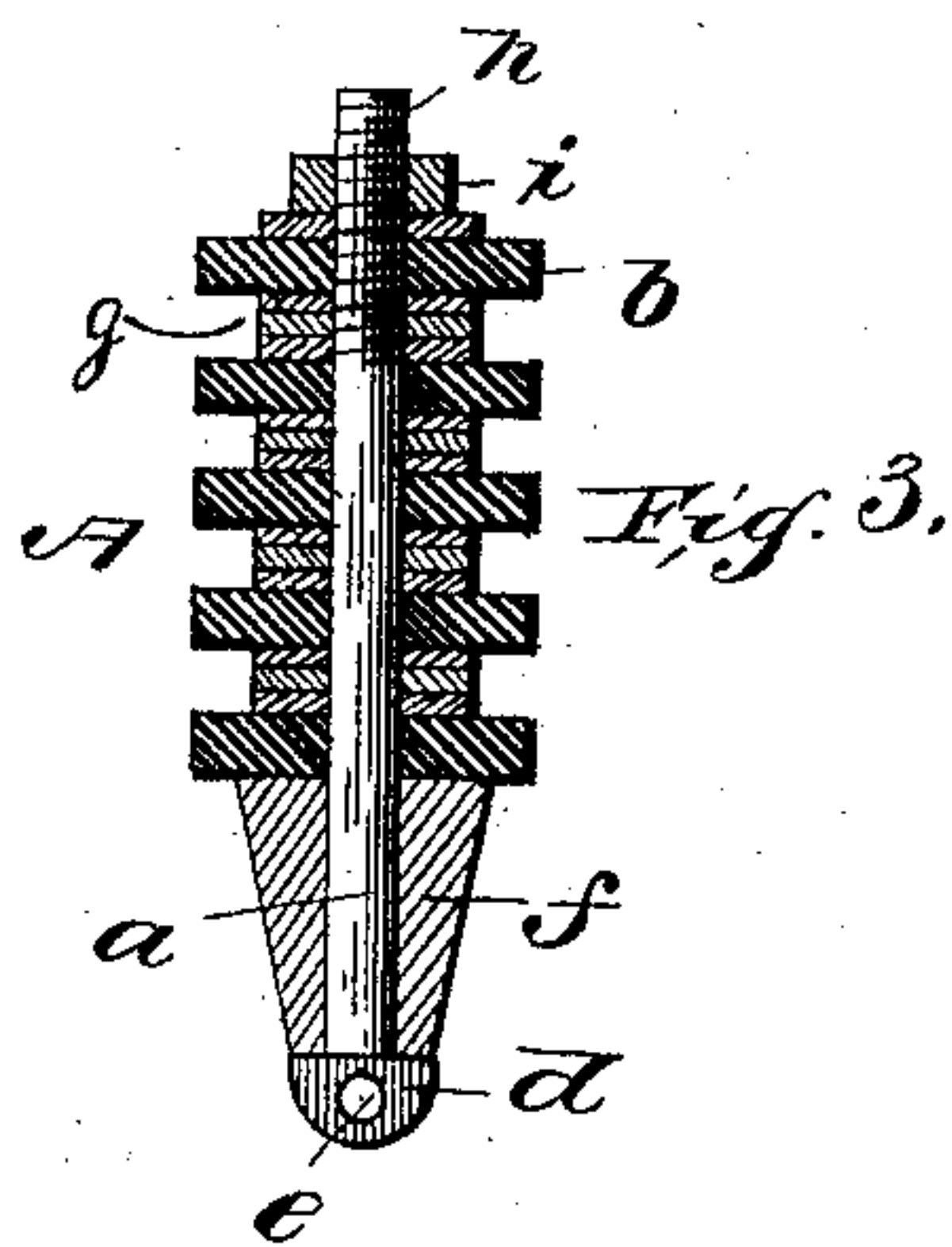
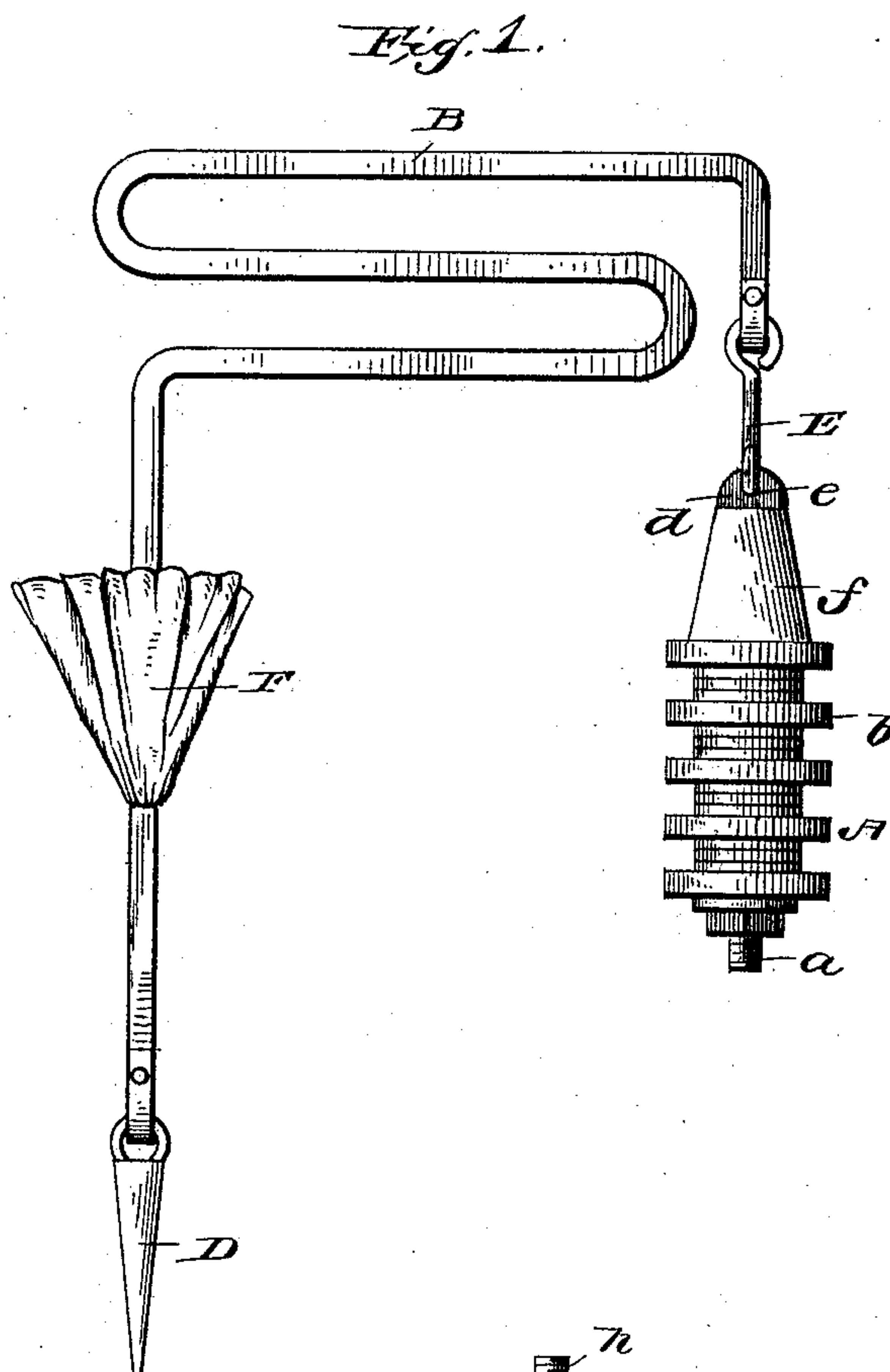
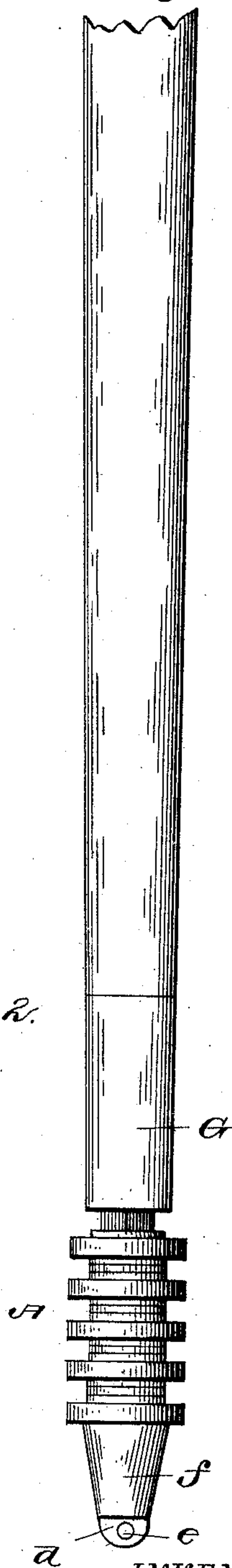


Fig. 2.



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CYRUS FOSS GILLETTE, OF SPARTA, WISCONSIN.

GUN-CLEANER.

SPECIFICATION forming part of Letters Patent No. 387,410, dated August 7, 1888.

Application filed January 21, 1888. Serial No. 261,435. (Model.)

To all whom it may concern:

Be it known that I, CYRUS FOSS GILLETTE, a citizen of the United States, residing at Sparta, in the county of Monroe and State of Wisconsin, have invented certain new and useful Improvements in Gun-Cleaners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

This invention has relation to gun-wipers, and the improvements will be fully understood from the following description and claims when taken in connection with the annexed
15 drawings, in which—

Figure 1 is a plan view of a wiper constructed according to my improvements. Fig. 2 is a view of a modification of the wiper at-
20 tached to the ramrod, and Fig. 3 is a longitudinal sectional view of the wiper removed.

Referring by letter to the said drawings, A indicates the main wiper, which is composed of a central longitudinal rod, *a*, and wiping or friction-disks *b*, which are separated by me-
25 tallic washers.

The rod *a* is provided at one end with a head or enlargement, *d*, having an eye, *e*, for the attachment of the draw-cord, as will be presently explained. Upon this rod is placed
30 a tip, *f*, of wood or other suitable material, which has its forward end reduced, as shown, and is retained upon the said rod by means of the said head *e*.

b indicates rubber disks, there being five
35 shown in the present instance and all of an equal diameter. These disks are of a similar or slightly greater diameter than that of the internal diameter of the gun-barrel, so that when moved by force through the barrel the fric-
40 tional contact will be increased by the resilient action of the disks. These disks are placed upon the rod *a*, as shown, the foremost one bearing against the rear or enlarged end of the wooden tip *f*, and they are held at suitable intervals by means of the metallic washers
45 *g*. The rod *a* is also threaded at one end, as shown at *h*, for the reception of a nut, *i*, whereby the disks and washers may be retained in proper position thereon. It will be

observed that the metallic washers are of less
50 diameter than the rubber disks, so that when the device has been drawn through the said barrel the edges of the disks may give a little.

B indicates the draw-cord, which may be of leather or other suitable strong material, and
55 is designed to draw the scraper through the barrel.

Secured to one end of this cord is a weighted point, D, which may be formed from lead or other suitable metal, and so shaped as to freely
60 enter the barrel of a gun and pass through the same. The opposite end of this cord is provided with a hook, E, whereby the said cord may be attached to the scraper through the medium of eye in the rod *a*.
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F indicates a cloth or rag which is passed over the point D, and drawn down upon the cord and scraper. Thus it will be seen that when it is desirable to clean out a gun-barrel it is only necessary to first attach the scraper
70 to the hook E of the cord, and then place a rag, as F, over the point. The weight D is then dropped into the barrel at the proper end until it comes out at the opposite end, after which it is grasped by the operator and drawn
75 with such force as to bring the scraper A through the barrel and the rag therewith.

A device of this construction is very effective in its operation, and can be manufactured
80 at a very small expense.

Instead of using the rag and pull-cord for cleaning the gun at times—for instance, when home or before going to the field—I may use a ramrod having a ferrule, G, on its smaller end with an internally-threaded socket, and
85 screw the threaded end of the rod *a* therein. It will thus be seen that I have a cleaner such as represented in Fig. 2 of the drawings.

Having described my invention, what I claim is—
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1. The improved gun-wiper herein described, consisting, essentially, of the rod having a head at one end and threads at its opposite end, the removable tip *f* on the headed end, the rubber disks all of an equal diameter
95 and arranged on the rod, the washers for spacing the said disks, the draw-cord attached to the rod, and the weighted point on the free

end of the cord, and the rag on the said cord, substantially as specified.

2. In a gun-wiper, substantially as described, the combination, with the rod headed at one
5 end and threaded at its opposite end, the tip on the headed end, the rubber disks of equal diameter, and the washers for spacing the disks on the rod, substantially as specified.

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

CYRUS FOSS GILLETTE.

Witnesses:

WM. M. GRAHAM,
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