

No. 705,396.

Patented July 22, 1902.

G. H. GARRISON.  
GUN CLEANER.

(Application filed Dec. 28, 1901.)

(No Model.)

Fig 2

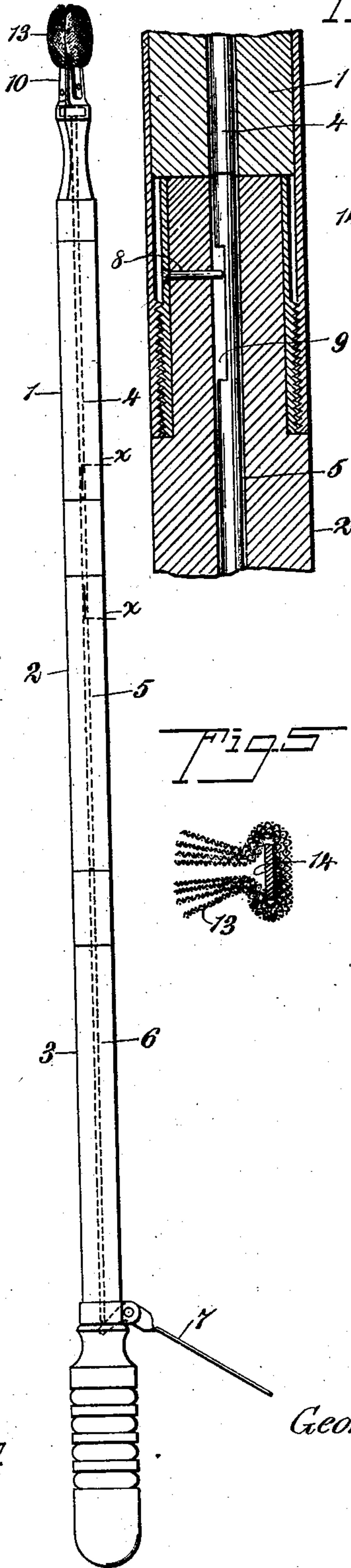
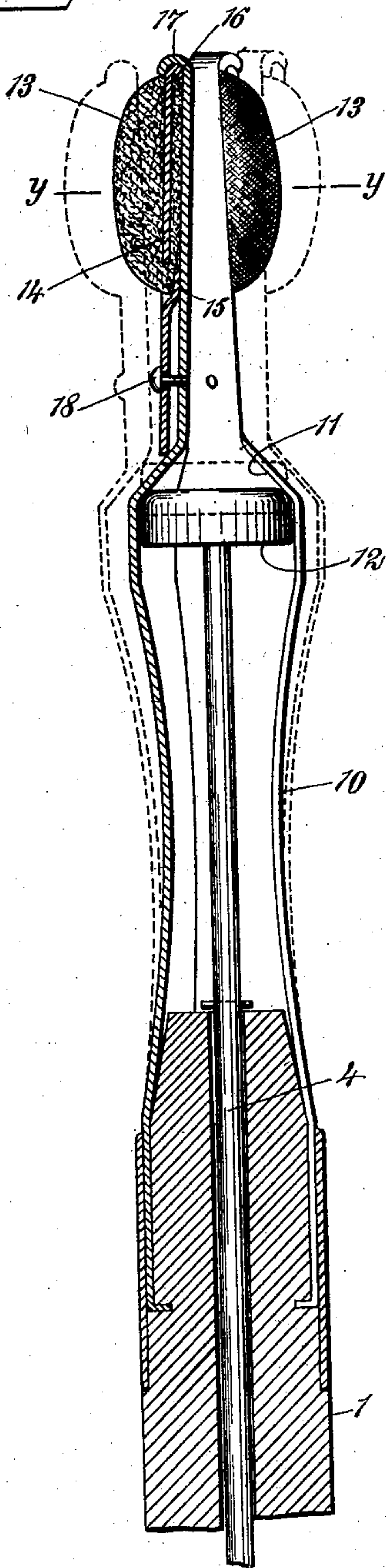


Fig 3

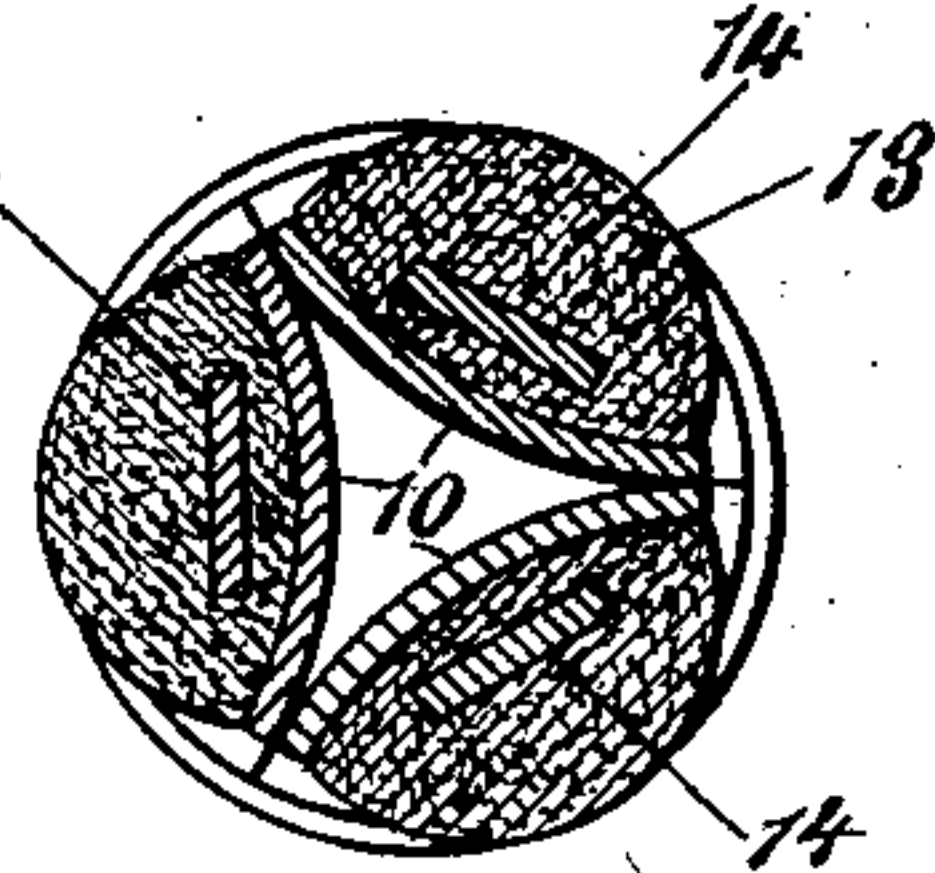


Fig 4

Fig 5

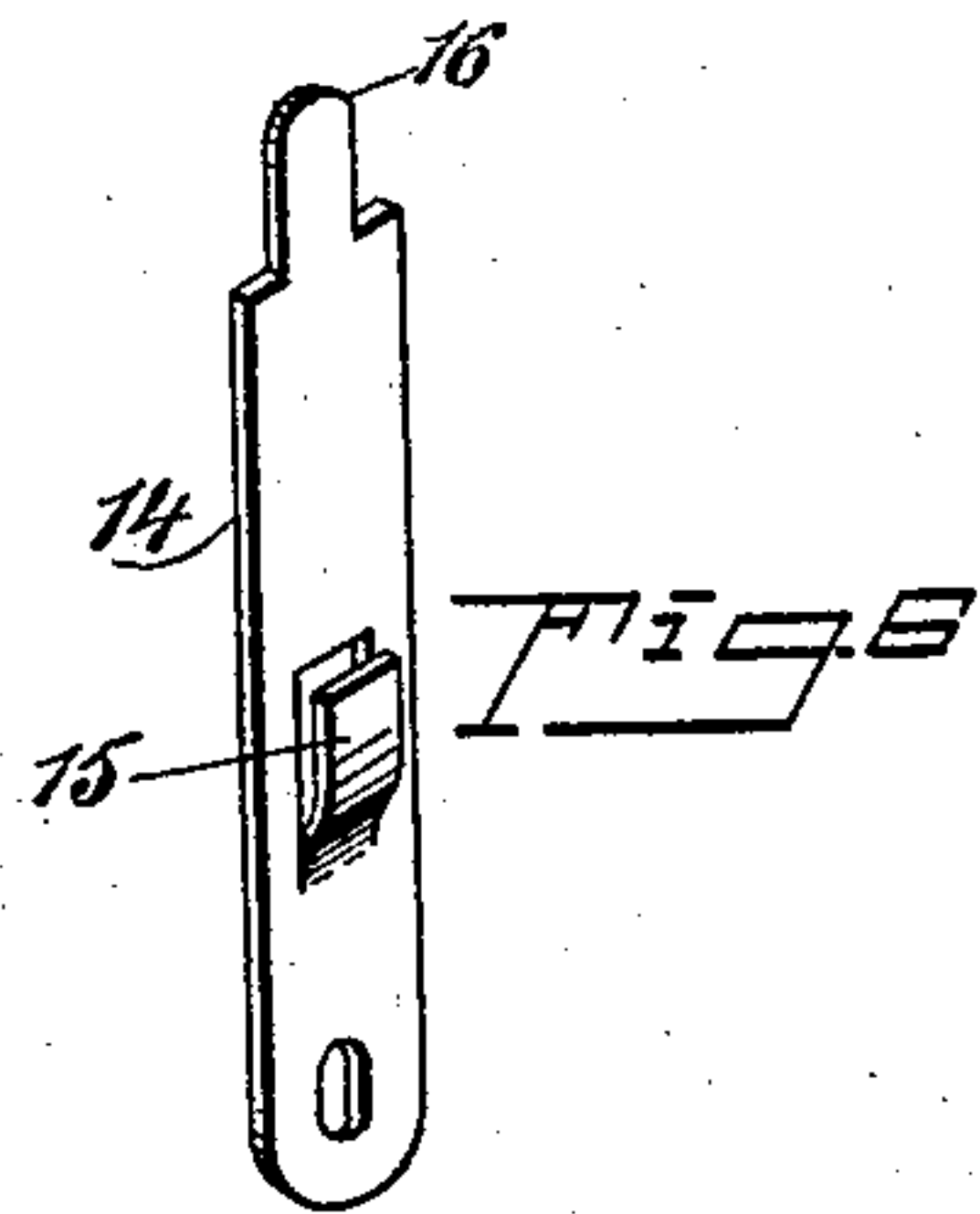
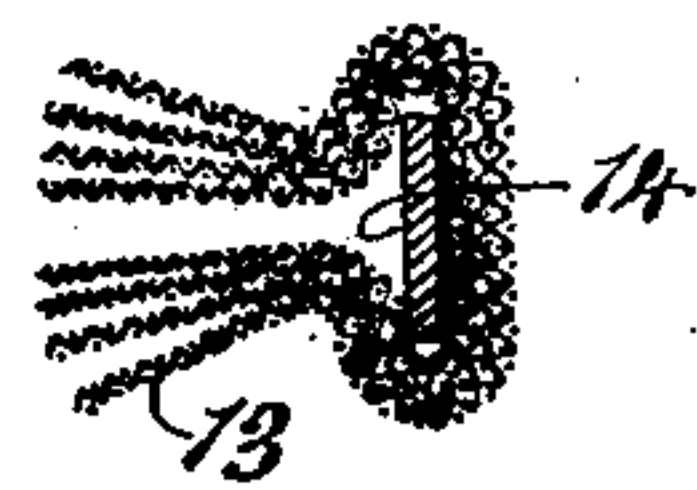


Fig 6

WITNESSES:

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Fig 1

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# UNITED STATES PATENT OFFICE.

GEORGE HENRY GARRISON, OF BUCODA, WASHINGTON.

## GUN-CLEANER.

SPECIFICATION forming part of Letters Patent No. 705,396, dated July 22, 1902.

Application filed December 28, 1901. Serial No. 87,584. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE HENRY GARRISON, a citizen of the United States, and a resident of Bucoda, in the county of Thurston and State of Washington, have invented a new and Improved Gun-Cleaner, of which the following is a full, clear, and exact description.

This invention relates to improvements in gun-cleaners of that class in which the wiper or cleaning-pad may be adjusted to guns of different bores; and the object is to provide a simple means for spreading the pad, and, further, to provide a novel means for securing the pad material to the cleaner-rod; and a still further object is to form the pad of layers of wire-cloth firmly packed or pressed together, so as to withstand wear, but to act thoroughly in cleaning the gun.

I will describe a gun-cleaner embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is an elevation showing a gun-cleaner embodying my invention. Fig. 2 is a longitudinal section of a portion thereof. Fig. 3 is a section on the line *xx* of Fig. 1. Fig. 4 is a section on the line *yy* of Fig. 2. Fig. 5 is a detail view showing the manner of forming a pad-section, and Fig. 6 is a perspective view of a pad-section holder.

For convenience the rod is made in sections that may be separated one from another. I have here shown three sections 1 2 3. These sections are tubular, and in each section is a rod-section, (indicated at 4 5 6.) When the rod is put together, the inner rod-sections will abut one against another, making practically a single plunger or push rod, which is operated by a lever 7, pivoted to the section 3 of the rod and having a finger portion engaging against the end of the inner rod or plunger-rod section 6. These plunger-rod sections are prevented from falling out when the main rod is disconnected by means of a pin 8 passing through the rod-section and engaging in a notch 9, formed in the plunger-rod section.

Attached to the end of the cleaner-rod is a series of spring yielding fingers 10. Each finger 10 has near its outer end an inwardly-inclined portion 11, against which a plunger-head 12 on the push-rod engages. Evidently by forcing the push-rod longitudinally the said head 12 will spread the several fingers which carry the pad-sections. Each pad-section consists of a number of layers of wire-cloth 13, which are turned around a holding-plate 14 and then firmly pressed together, so as to form practically a solid mass. Before this pressing, however, the wire-cloth at one edge will be engaged underneath a tongue 15, formed in the plate 14, and a reduced tongue portion 16 at the end of said plate is to be turned over the opposite edge of the layers of wire-cloth. In connecting the plate 14 to a finger 10 the end 16 of said plate is to be engaged under the hook end 17 of the finger, as clearly shown in Fig. 2, and a screw 18 is passed through an opening in the shank portion of the plate and engages in a tapped hole in the finger. By this construction it is obvious that when a pad-section becomes worn or useless it may be easily removed and a new section placed on the holder. I have here shown three fingers 10; but it is obvious that more may be employed, if desired. The three pad-sections form practically a single pad and conform substantially to a gun-barrel.

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

1. A gun-cleaner comprising a rod, spring-fingers on said rod, means for forcing the spring-fingers outward, pad-sections consisting of layers of material pressed together, a holder for each section, consisting of a plate having a tongue portion formed in the plate for engaging with one edge of the material and a reduced tongue portion at the end for engaging at the opposite edge of the material, and means for securing the holding-plate to its spring-finger, substantially as specified.

2. A gun-cleaner comprising a rod, spring-fingers on the end of said rod, the said spring-fingers having hook ends, pad-sections consisting of layers of wire-cloth, and a holder

for each section, consisting of a plate having tongue members for engaging opposite edges of the material, the end of said plate being adapted to engage with the hook of the spring-finger, and a screw passing through the shank of the plate and engaging with the finger, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE HENRY GARRISON.

Witnesses:

CHAS. BRIFFETT,  
ISAAC BLUMAUER.