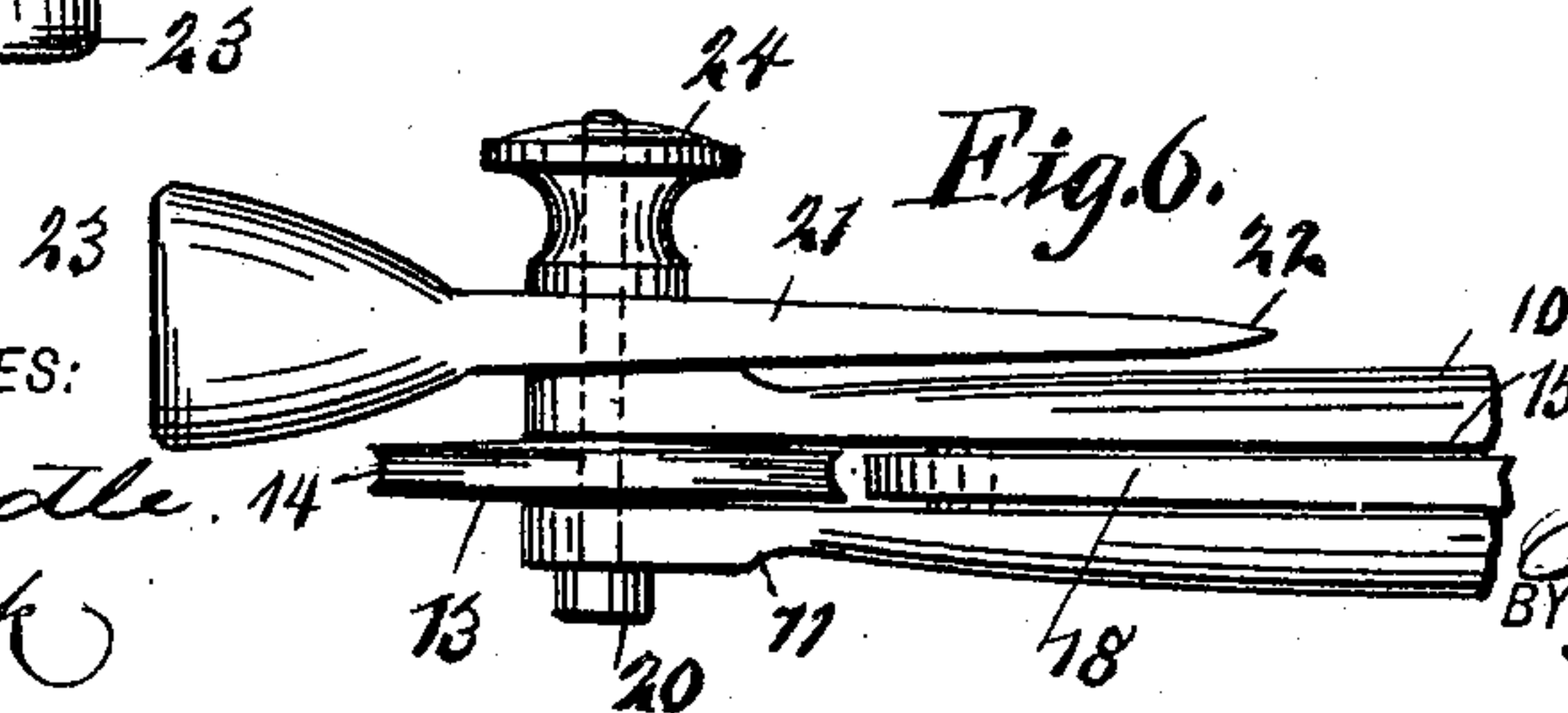
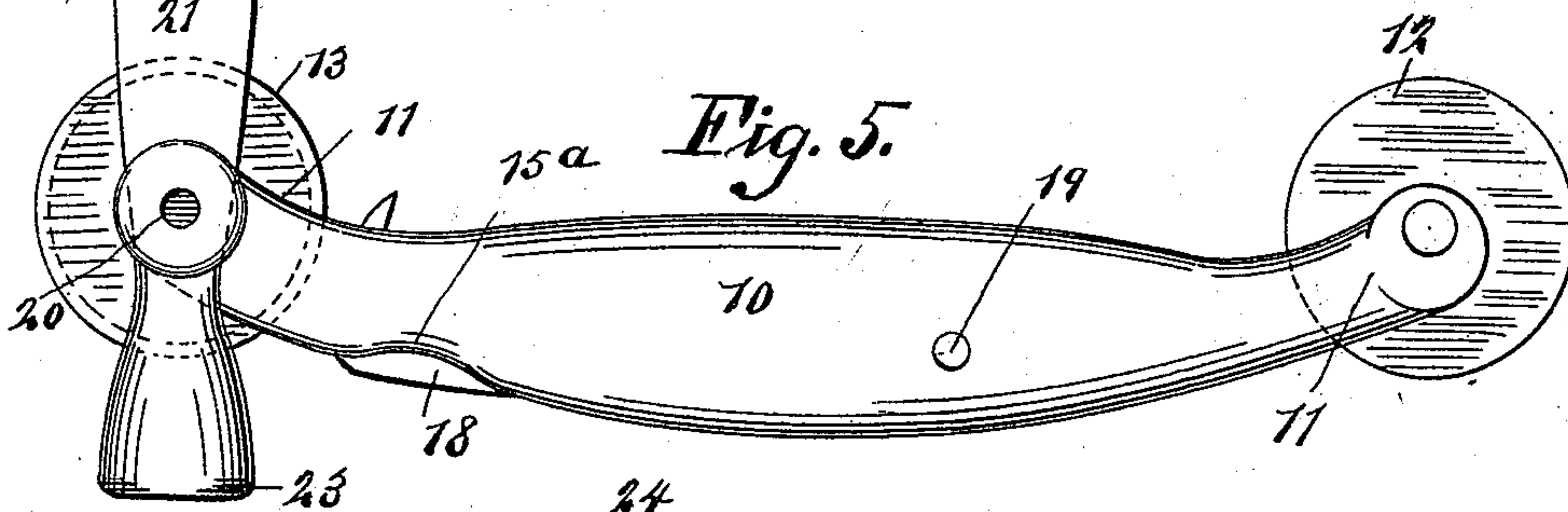
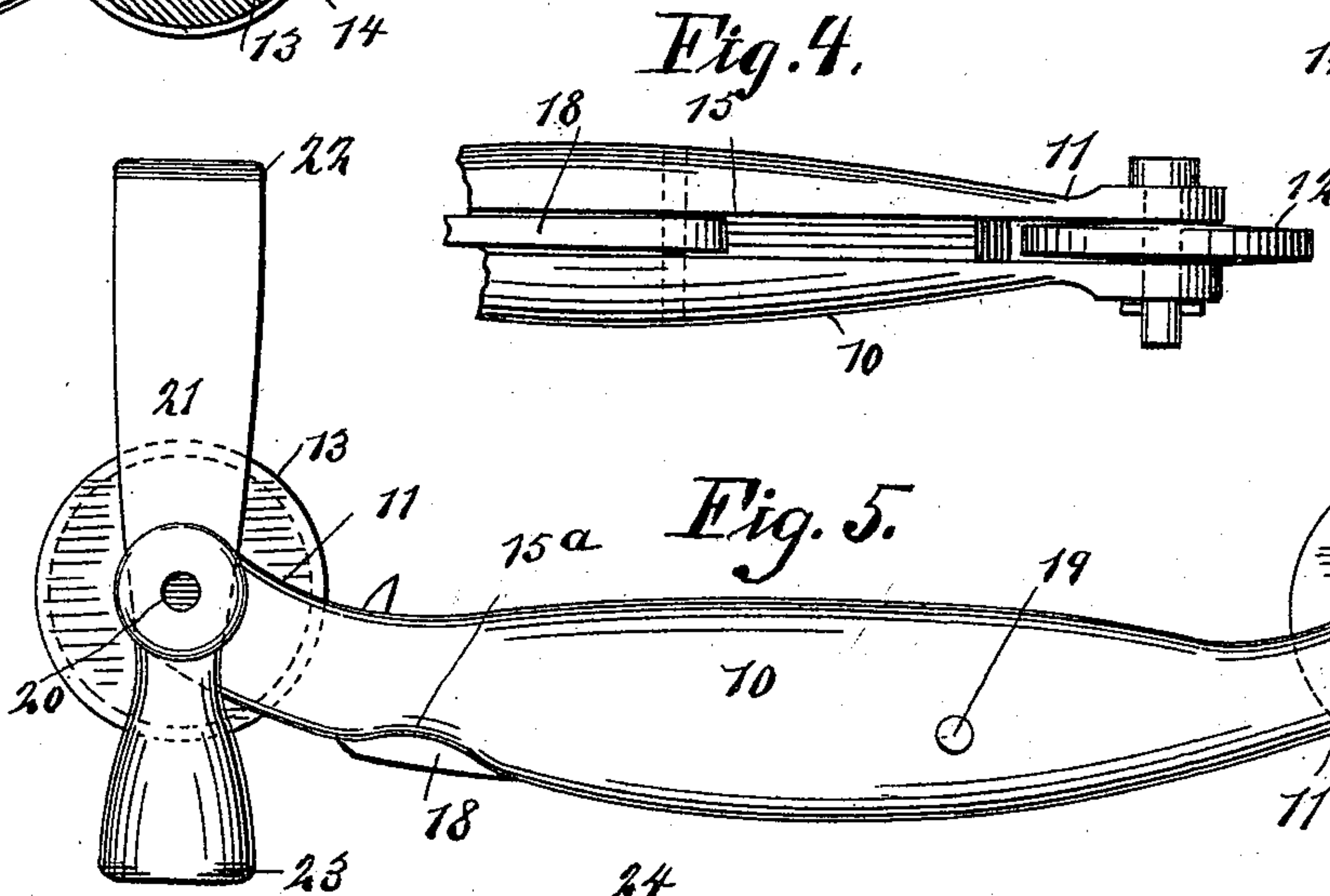
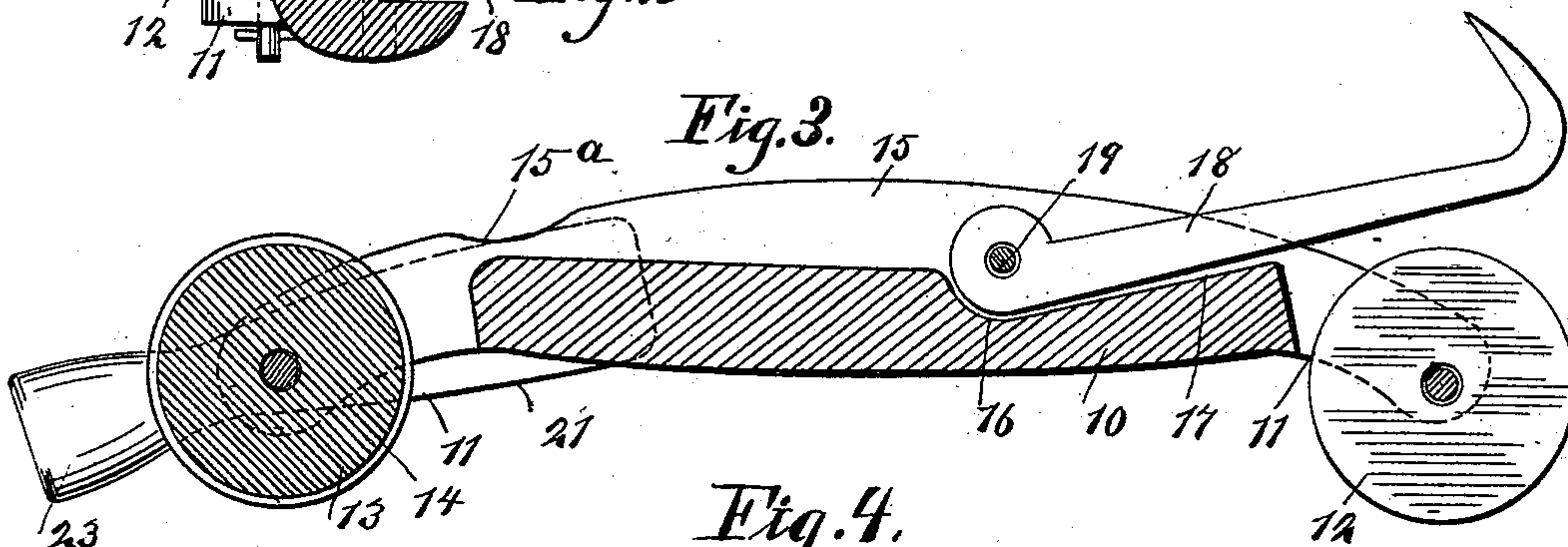
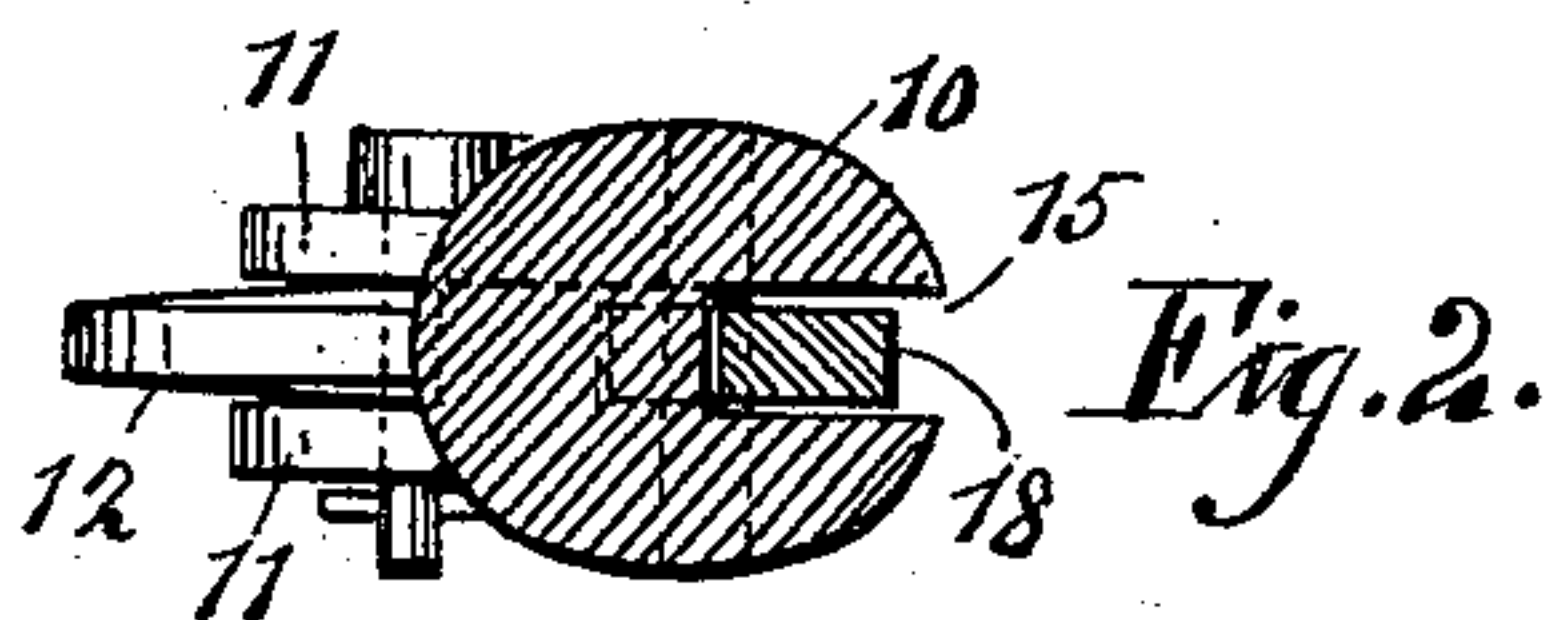
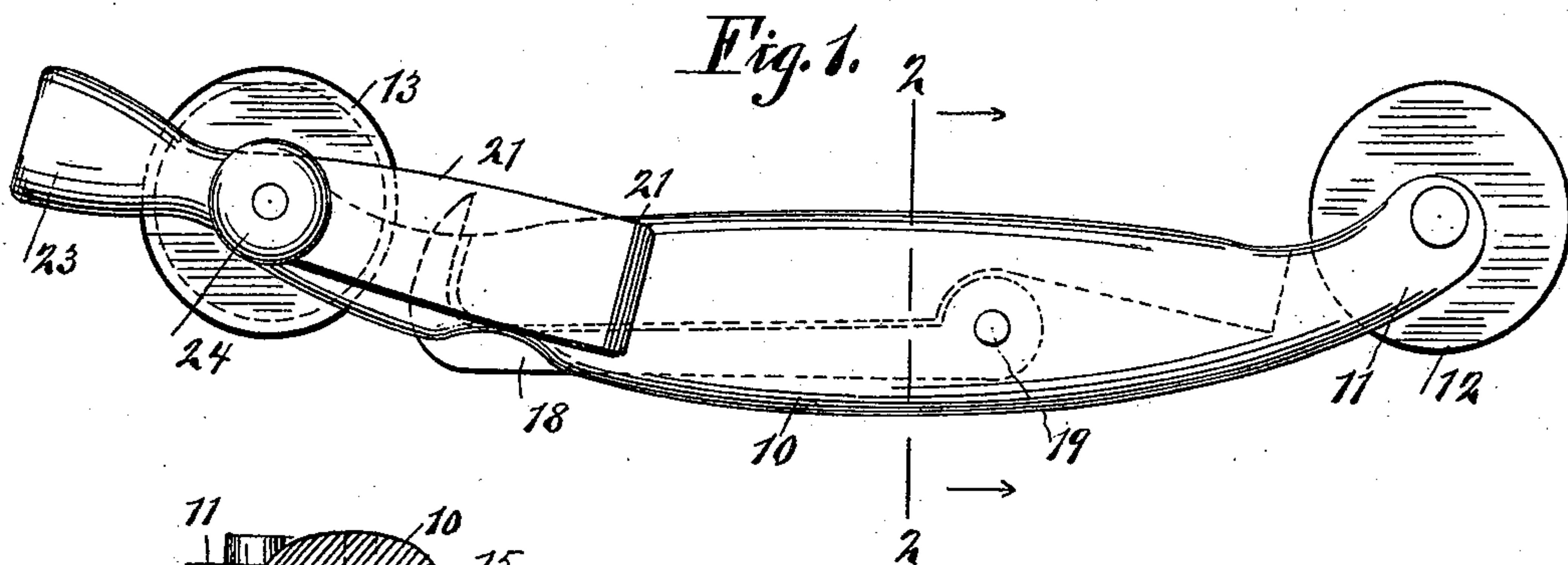


(No Model.)

J. O. WALTON.
GALKING TOOL.

No. 494,516.

Patented Mar. 28, 1893.



WITNESSES:

F. M. Apple
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INVENTOR

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOSEPH O. WALTON, OF TITUSVILLE, FLORIDA.

CALKING-TOOL.

SPECIFICATION forming part of Letters Patent No. 494,516, dated March 28, 1893.

Application filed November 12, 1892. Serial No. 451,775. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH O. WALTON, of Titusville, in the county of Brevard and State of Florida, have invented a new and Improved Calking-Tool, of which the following is a full, clear, and exact description.

My invention relates to improvements in that class of tools which are adapted for use in calking the seams of vessels or the seams of any article which is to be made water tight.

The object of my invention is to produce a simple, substantial, and durable tool which may be cheaply made and by means of which the calking material may be rapidly and thoroughly rubbed into the seams of a vessel, to provide an auxiliary device by means of which every portion of a seam or crack may be reached, to provide a hook attachment for the tool which enables the calking to be dug out from old seams when necessary, and in general to produce a tool which will enable the calking to be very efficiently done and to be accomplished with great rapidity.

To this end my invention consists in a calking tool, the construction of which will be hereinafter described.

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

Figure 1 is a side elevation of the tool embodying my invention, showing it in its most compact form and ready to rub calking material into a seam. Fig. 2 is a cross-section on the line 2—2 in Fig. 1. Fig. 3 is a longitudinal section with the hook thrown out ready for use. Fig. 4 is a broken plan view of the tool. Fig. 5 is a side elevation but with the auxiliary tool in position for use; and Fig. 6 is a broken plan of the tool, showing particularly the manner in which the auxiliary tool is attached to the handle.

The tool is provided with a handle 10 which is made nearly round in cross section and is thickest at the middle, so that it will fit the hand nicely, and this handle has its ends 11 curved outward, reduced, and split, and in these ends are pivoted rollers 12 and 13 which are adapted to run in a seam and jam the calking material into place. The roller 12 has a smooth face and is preferably slightly convex, and the roller 13 has a grooved or

concaved face 14, thus producing sharp edges on opposite sides of the groove, and this construction enables the roller to pack the calking material very snugly in a seam. The rollers may be made in different sizes to fit different seams. The handle is grooved longitudinally and on one side, as shown at 15, the groove being deepened near the center, as shown at 16, and from this depression 16 to the nearest end of the tool the wall of the groove rises slightly, as shown at 17, and this inclined wall forms an abutment for a hook 18 which is adapted to lie within the groove and is pivoted at one end on a pin 19. The pivoted end of the hook 18 is enlarged and rounded and is adapted to turn in the depression 16. When the hook is not in use it lies closely in the groove 15 and the point of the hook lies between the members of one of the split ends 11, as shown in Fig. 5. The handle near the free end of the hook is recessed slightly, as shown at 15^a, to enable the hook to be easily grasped when it is to be pulled out. When the hook is to be used it is thrown back into the position shown in Fig. 3, with the shank of the hook resting upon the incline 17 of the groove 15.

The pin 20 which forms the pivot of the roller 13 has pivoted upon it an auxiliary tooth or chisel 21 which at one end terminates in an edge 22 and at the other in a head 23 adapted to be struck by a hammer or other tool. This tool may be fastened in any desired position by a thumb nut 24 which is threaded upon the pin 20 and impinges on the chisel or auxiliary tool. It will be understood that the chisel may be fastened to the pin of the wheel 12 if desired. Under ordinary circumstances the chisel 21 is held nearly parallel with the handle 10, as shown in Fig. 1, but when it is to be used the thumb nut 24 is loosened slightly, the chisel turned into a position nearly at right angles to the handle, as shown in Fig. 5, and the nut tightened so as to hold the chisel in place. When in this position, the edge of the chisel may be inserted in a transverse or short seam in which the rollers cannot be conveniently placed, and the calking is forced into the seam by striking upon the head 23 with some instrument, preferably a hammer.

In using the tool in the ordinary way to rub

the calking into a seam it is rubbed back and forth upon the calking material, and the operator presses firmly upon it so that the rollers crowd the material very firmly into the space in the seam. The edges of the grooved roller 13 act somewhat like a chisel, and pack the calking as firmly as if a chisel were used and much more rapidly.

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

1. A calking tool, comprising a handle curved at the ends, and a roller journaled in each end of the handle, substantially as described.

2. A calking tool, comprising a handle, and rollers journaled at opposite ends of the handle and in the same plane, one roller having a concave face, substantially as described.

3. A calking tool, comprising a curved han-

dle having a longitudinal groove therein, rollers journaled at the ends of the handle, and a hook pivoted in the handle and adapted to lie in the groove, substantially as described.

4. In a calking tool, comprising a handle having end rollers and a longitudinal groove, the back wall of which is inclined near one end, and a hook pivoted in the groove and adapted to lie upon the inclined wall thereof, substantially as described.

5. The combination with the handle having rollers at the ends, of a chisel pivoted at one end of the handle, and a fastening device to fix the position of the chisel, substantially as described.

JOSEPH O. WALTON.

Witnesses:

GEO. M. ROBBINS,

J. TOME REYNOLDS.