

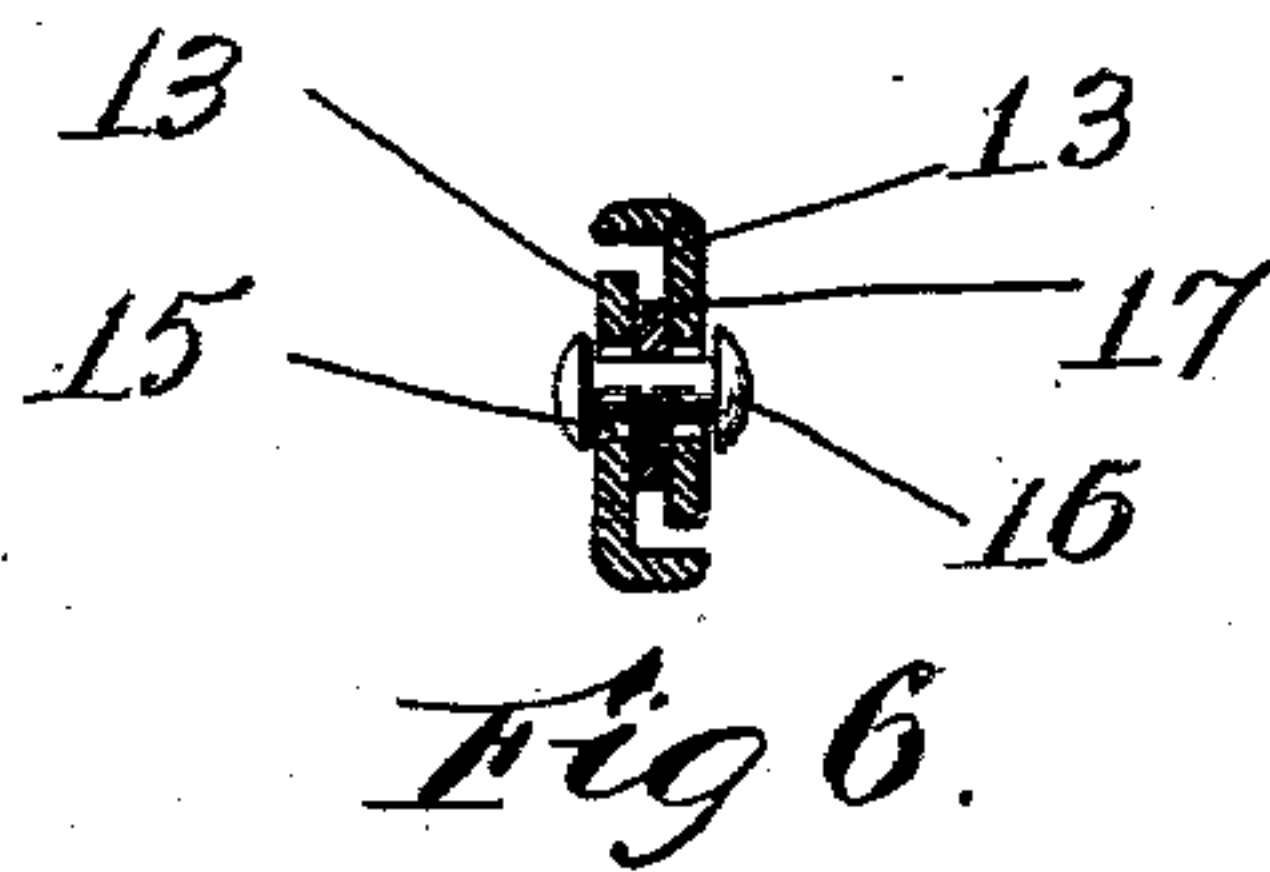
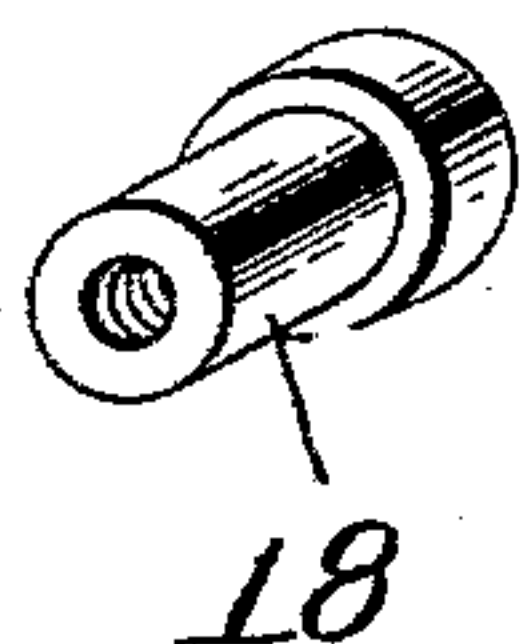
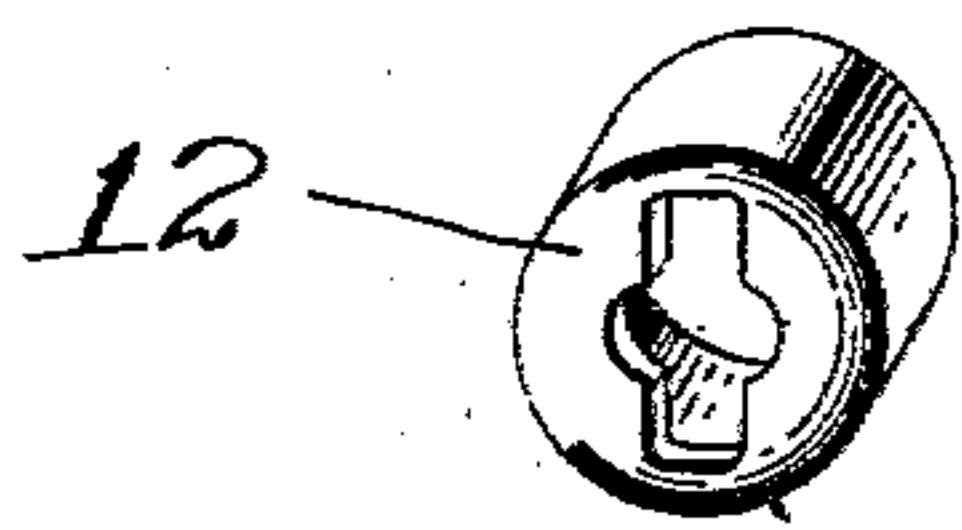
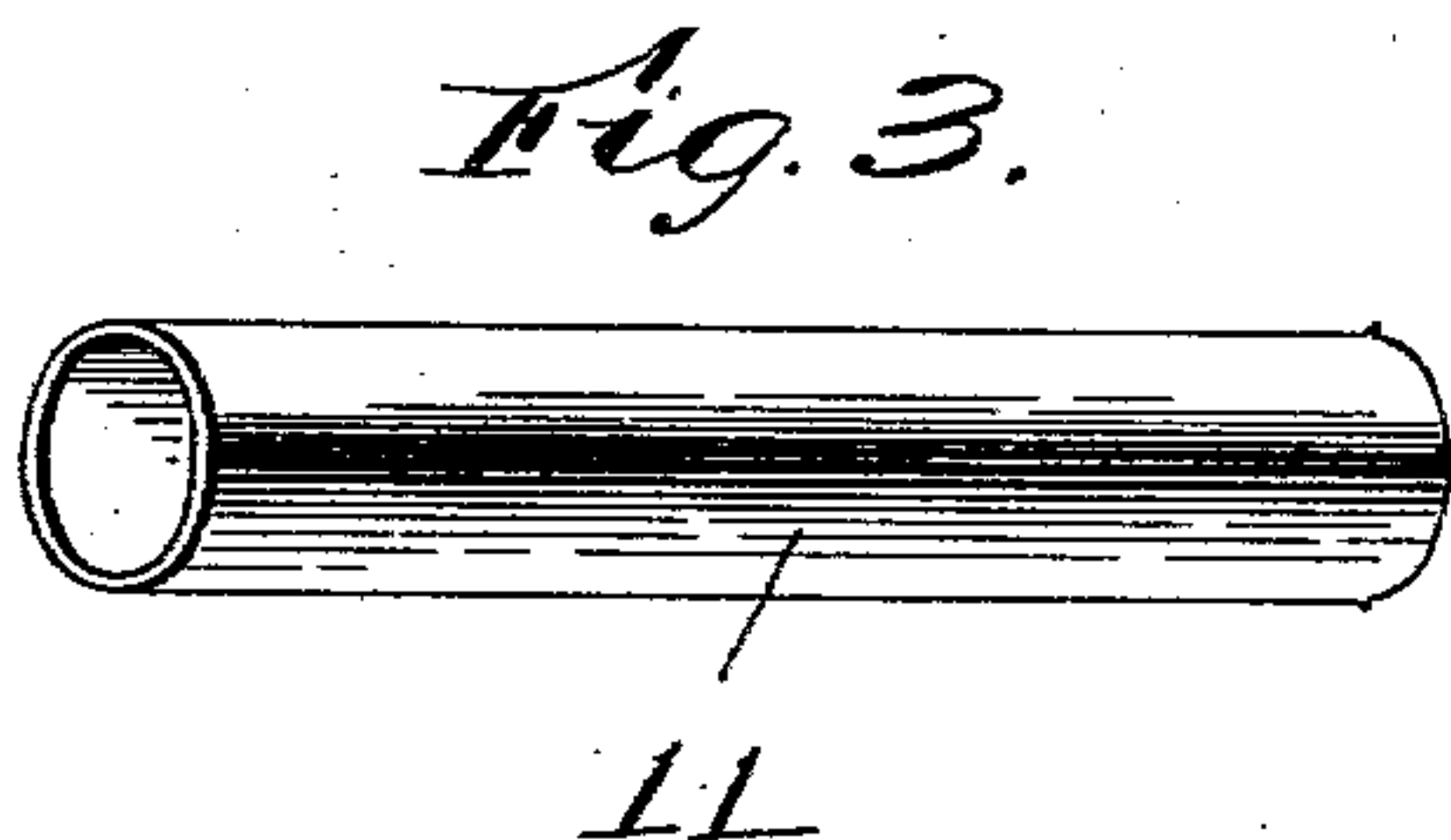
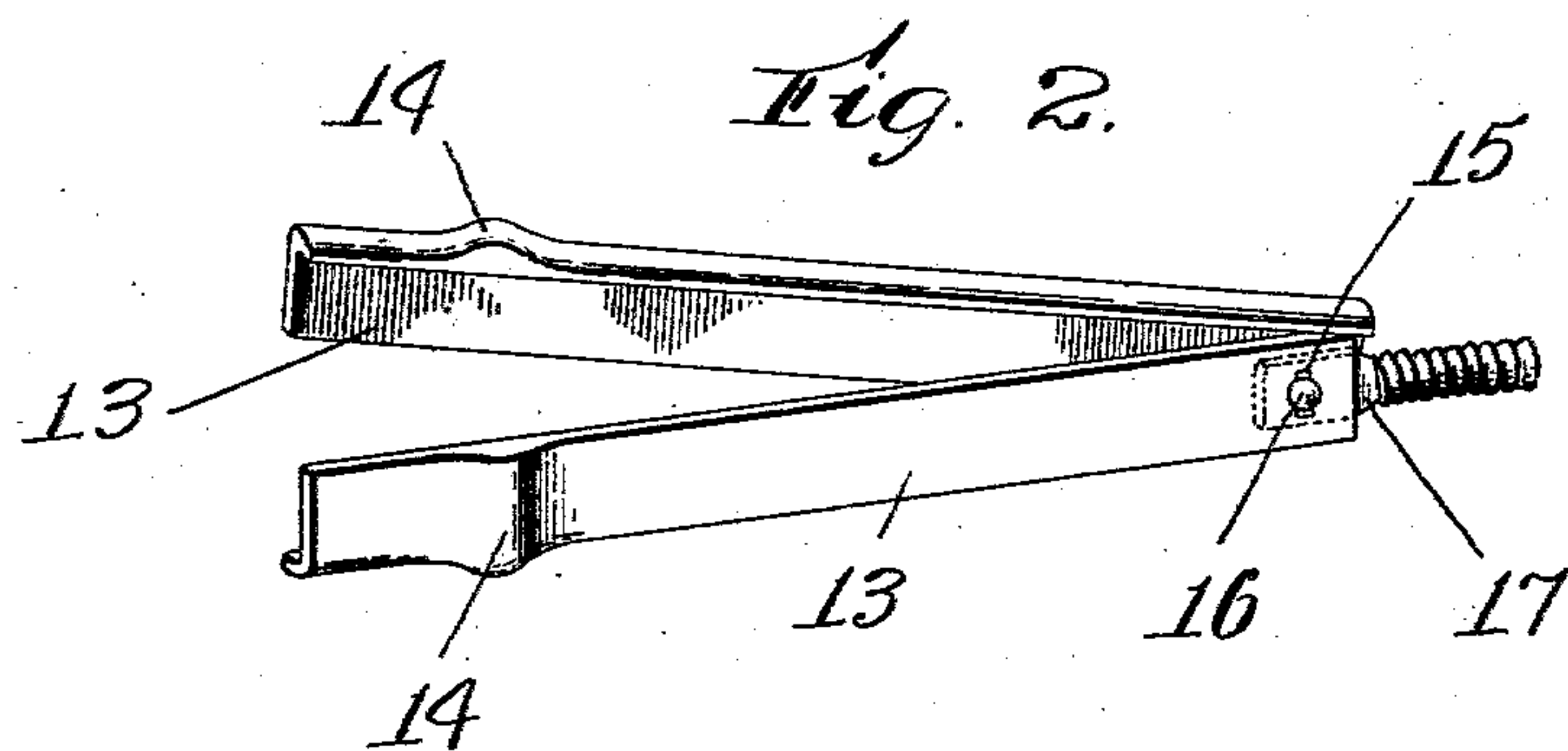
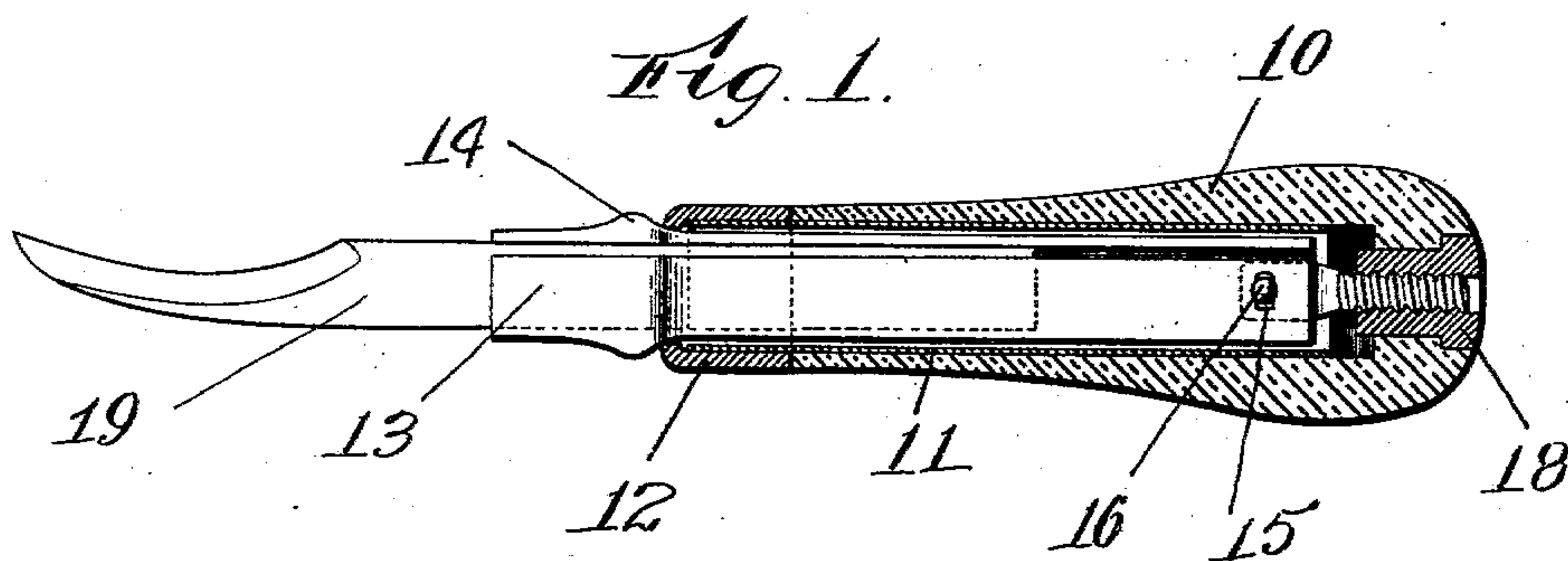
No. 743,647.

PATENTED NOV. 10, 1903.

J. LA CROIX.
KNIFE HANDLE.

APPLICATION FILED MAR. 14, 1903.

NO MODEL.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH LA CROIX, OF SOUTHBRIDGE, MASSACHUSETTS, ASSIGNOR TO
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KNIFE-HANDLE.

SPECIFICATION forming part of Letters Patent No. 743,647, dated November 10, 1903.

Application filed March 14, 1903. Serial No. 147,754. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH LA CROIX, a citizen of the United States, residing at Southbridge, in the county of Worcester and State of Massachusetts, have invented a new and useful Knife-Handle, of which the following is a specification.

This invention relates to that class of handles which are employed for holding shoe-knife blades or for similar purposes.

The especial object of this invention is to provide a simple, inexpensive, and durable form of knife-handle, in which the clamping-sections are mounted and operated to engage with uniform tightness along substantially the entire length of each edge of the blade within the handle, and to provide for strengthening the handle and for supporting the tightening-ferrule by a bushing.

To these ends this invention consists of the knife-handle as an article of manufacture, and of the combinations of parts therein, as hereinafter described, and more particularly pointed out in the claims at the end of this specification.

In the accompanying drawings, Figure 1 is a side view, partially in section, of a knife-handle constructed according to this invention. Fig. 2 is a perspective view of the clamping-sections and the threaded tang for operating the same. Fig. 3 is a perspective view of the handle-bushing. Fig. 4 is a perspective view of the tightening-ferrule. Fig. 5 is a perspective view of the end nut; and Fig. 6 is an enlarged sectional view illustrating the connection between the clamping-sections and their tang, which permit the clamping-sections sufficient play, so that they will engage substantially the entire length of the knife-blade within the handle.

In that class of knife-handles to which this invention relates each handle is equipped with clamping-sections which hold a knife-blade and which are tightened into engagement therewith by a tightening-ferrule. In this class of constructions the clamping-sections have sometimes been formed by spring-arms which normally tend to separate at their outer ends, while in other cases these clamping-sections have been hinged to a threaded

bolt or tang; but in substantially all of these constructions the clamping-sections have been designed to have a clamping action or secure a bite upon the knife-blade only at their forward ends.

One especial object of my present invention is to construct the blade-clamping sections so that they will engage both the edges and sides of a knife-blade and to connect the clamping-sections with the threaded tang by a slotted or loose connection which will permit them to be clamped into engagement with substantially the entire length of the blade within the handle.

A still further object of my invention is to journal the tightening-ferrule upon the end of a metallic bushing, which bushing also serves to strengthen the handle, so that the tightening-ferrule will not have to turn or be rotated on a wooden bearing.

Referring to the accompanying drawings for a detail description of a knife-handle embodying my invention, as shown in Fig. 1, the handle comprises the ordinary wooden body portion 10, fastened inside of which is a metallic bushing or tube 11, which projects beyond the end of the wooden body portion 10 and forms a bearing for the tightening-ferrule 12. Extending through the tightening-ferrule 12 are the blade-clamping sections 13.

As shown most clearly in Fig. 2, the blade-clamping sections 13 are substantially L-shaped in cross-section to engage both the edges and sides of a knife-blade, and each of the blade-clamping sections 13 is provided with an enlargement or incline 14 upon two sides thereof, which are engaged by corresponding edges in the tightening-ferrule. At their opposite ends the blade-clamping sections 13 have a loose connection with a threaded tang 17. To accomplish this, the blade-clamping sections 13 are provided with transverse slots 15 for receiving a rivet 16 of somewhat smaller diameter than the width of the slots, whereby the blade-clamping sections will be left free to have a slight parallel adjustment toward and from each other to be clamped into engagement with substantially the entire length of the blade 19 within the handle, and will also be left free to be clamped

firmly into engagement with the sides of the blade. Secured rigidly in the end of the body portion 10 is a tightening-nut 18, which is threaded onto the tang 17, so that when the handle is to be tightened or loosened the tightening-ferrule is turned on the bushing 11, so that in the operation of the parts there is no wear on the wooden body portion.

I am aware that changes may be made in practicing my invention by those who are skilled in the art, and I do not wish, therefore, to be limited to details which I have herein shown and described; but

What I do claim, and desire to secure by Letters Patent of the United States, is—

1. In a construction of the class described, the combination of clamping-sections substantially L-shaped in cross-section with cams or enlargements upon two outer sides of each of said clamping-sections and means for mounting and operating the clamping-sections to have bodily movement, both transversely and laterally with respect to each other, whereby they will be clamped into engagement along both the sides and edges of the knife-blade.

2. In a construction of the class described, the combination of a wooden body portion, a metal tube or bushing, clamping-sections substantially L-shaped in cross-section, cams or enlargements upon the two outer sides of each of said clamping-sections, a tightening-bushing engaged by said cams or enlargements and journaled on the end of the bush-

ing, and an operating-screw having a loose connection permitting the clamping-sections to move bodily, transversely and laterally with respect to each other, whereby they may be clamped into engagement both with the sides and edges of the knife-blade.

3. As an article of manufacture, a knife-handle comprising a wooden body, a metallic bushing secured therein and projecting from the body, clamping-sections substantially L-shaped in cross-section, each clamping-section having cams or enlargements upon the two outer faces thereof, a tightening-ferrule journaled on the end of the tube and engaging the cams or enlargements of the clamping-sections, a screw having a cross pin or rivet extending through slots in the clamping-sections, said slots being wider than the diameter of the pin, whereby the clamping-sections may have bodily movements both transversely and laterally with respect to each other, and a nut fixed in the wooden body of the handle for operating the clamping-sections so as to be clamped into engagement with both the sides and edges of the knife-blade.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOSEPH LA CROIX.

Witnesses:

M. B. CLEMENCE,
J. G. CLARKE.