

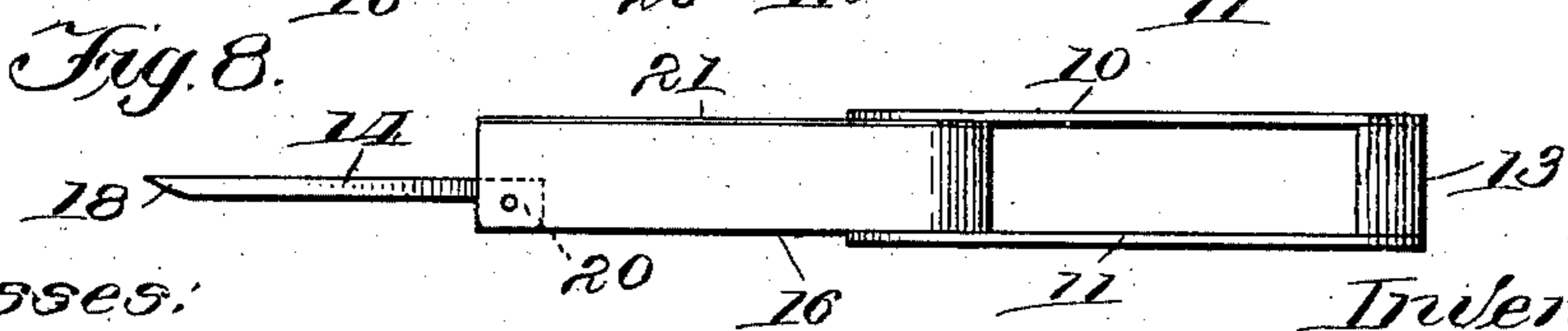
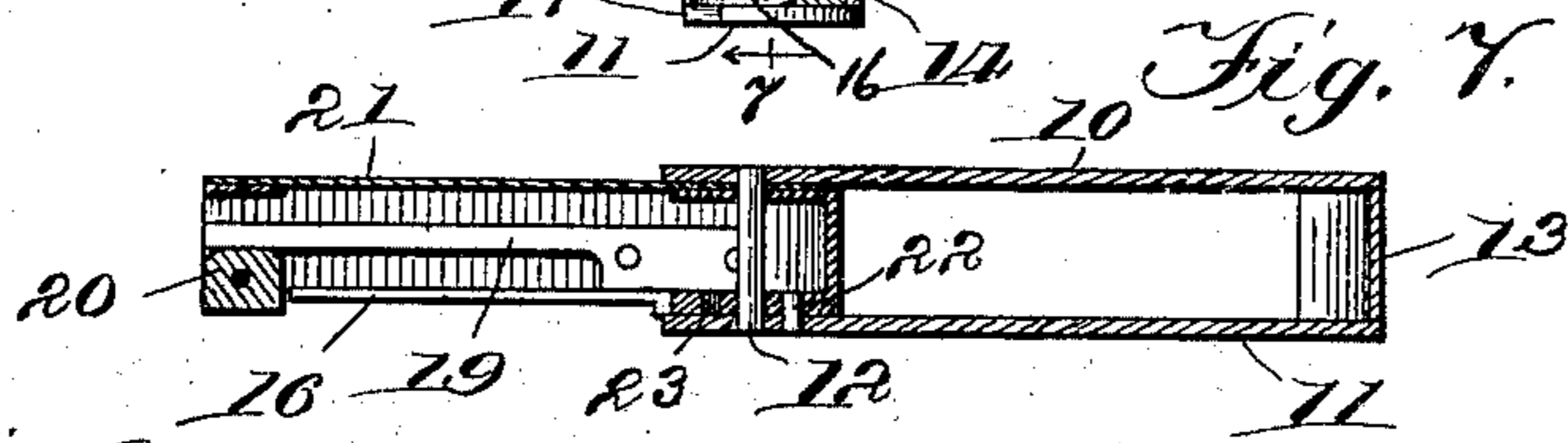
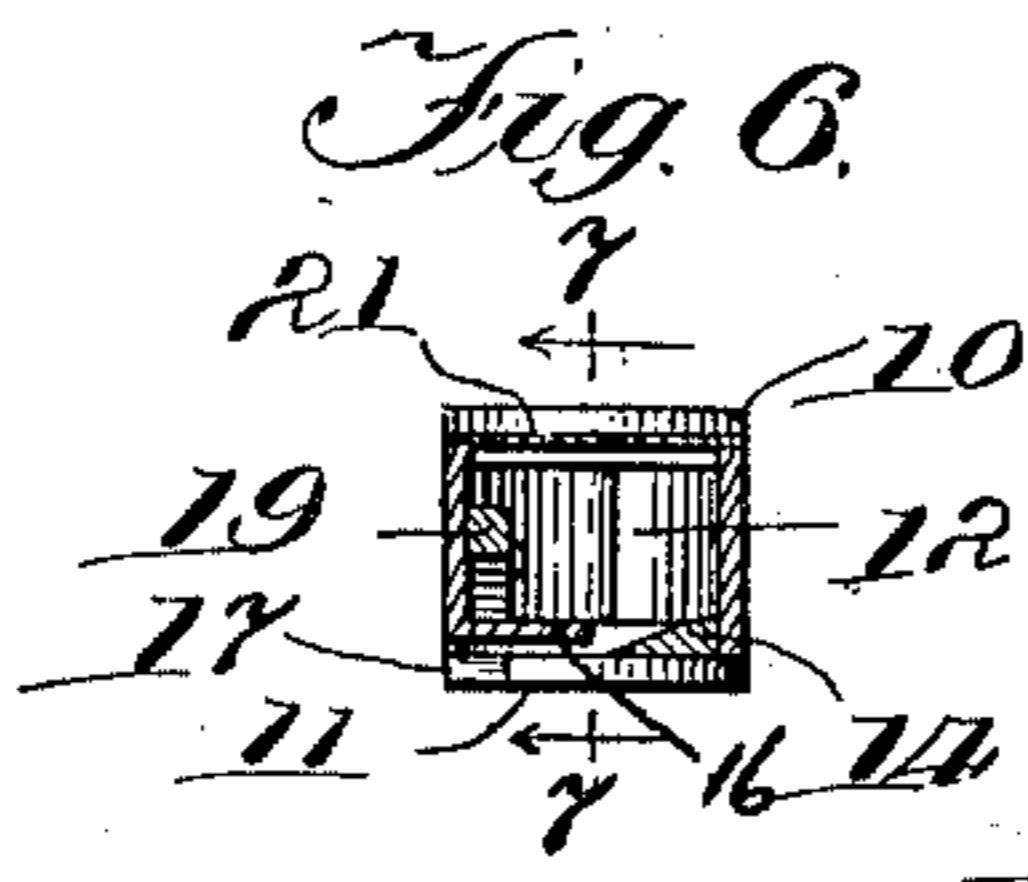
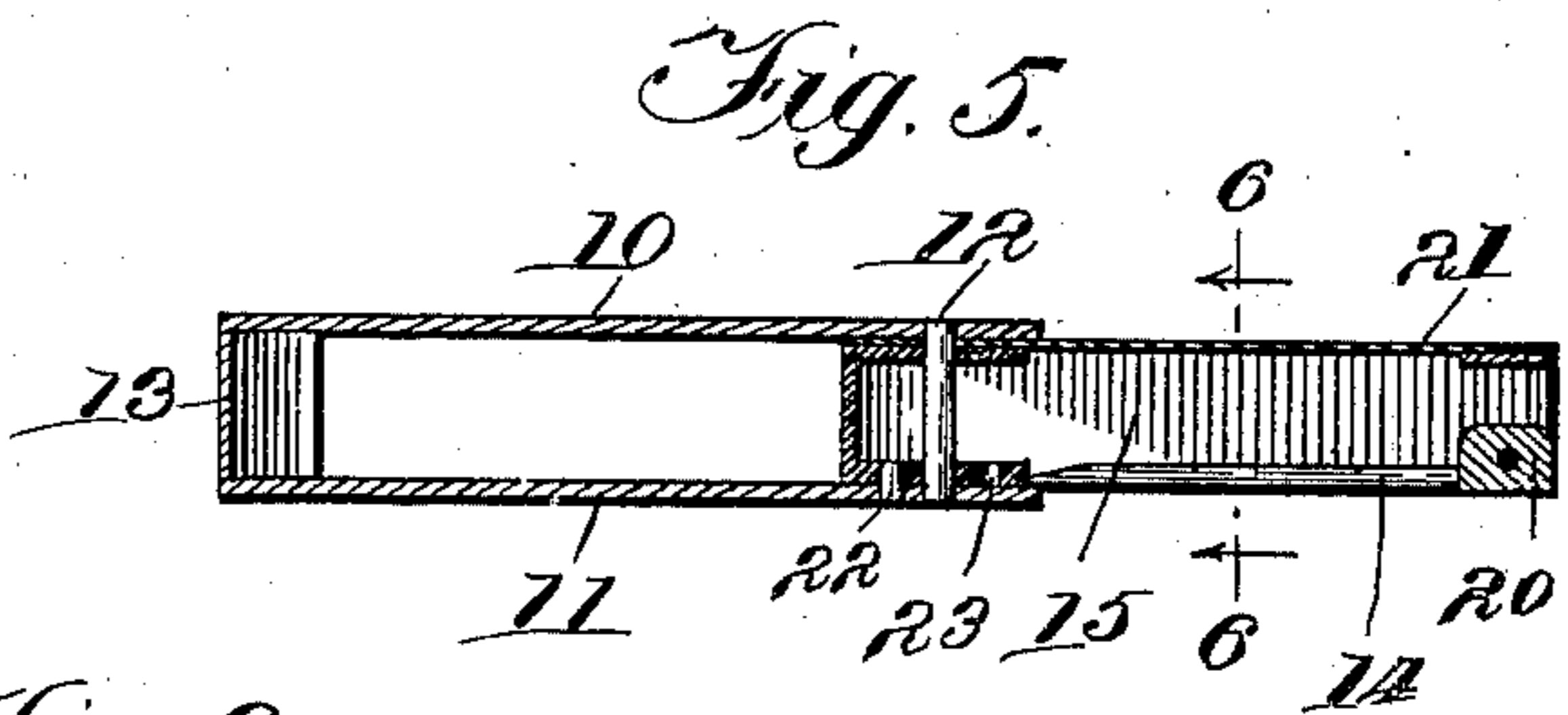
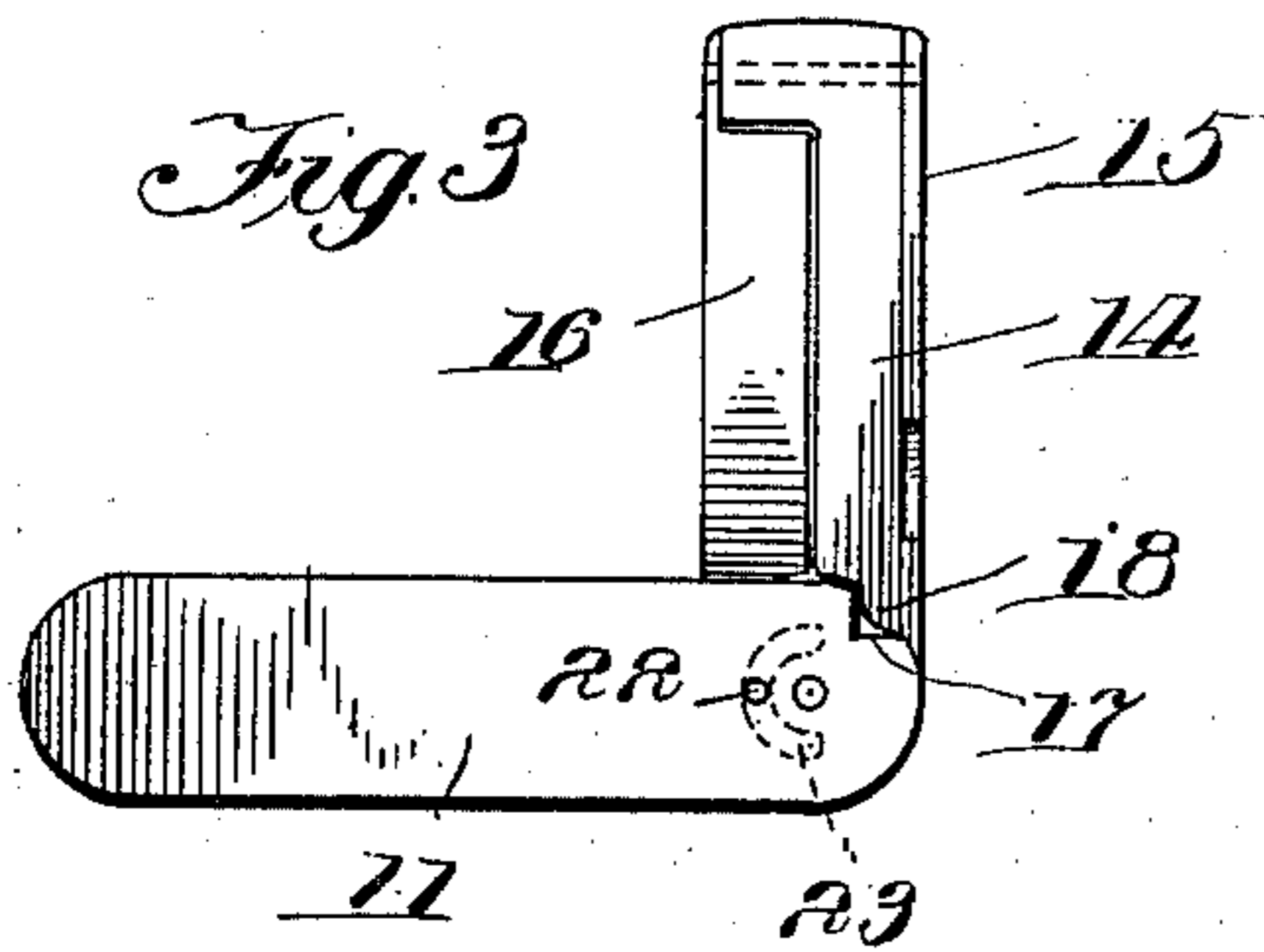
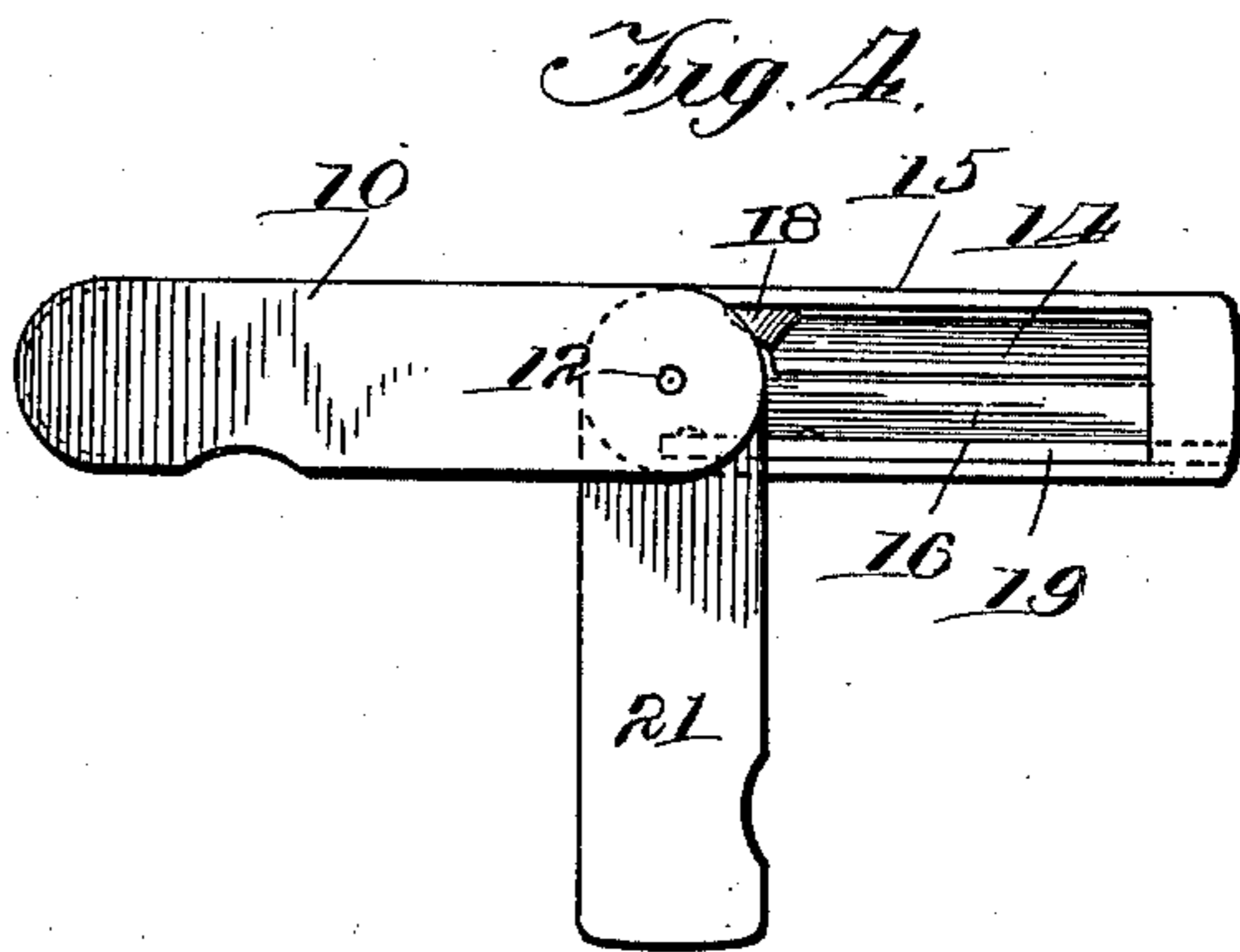
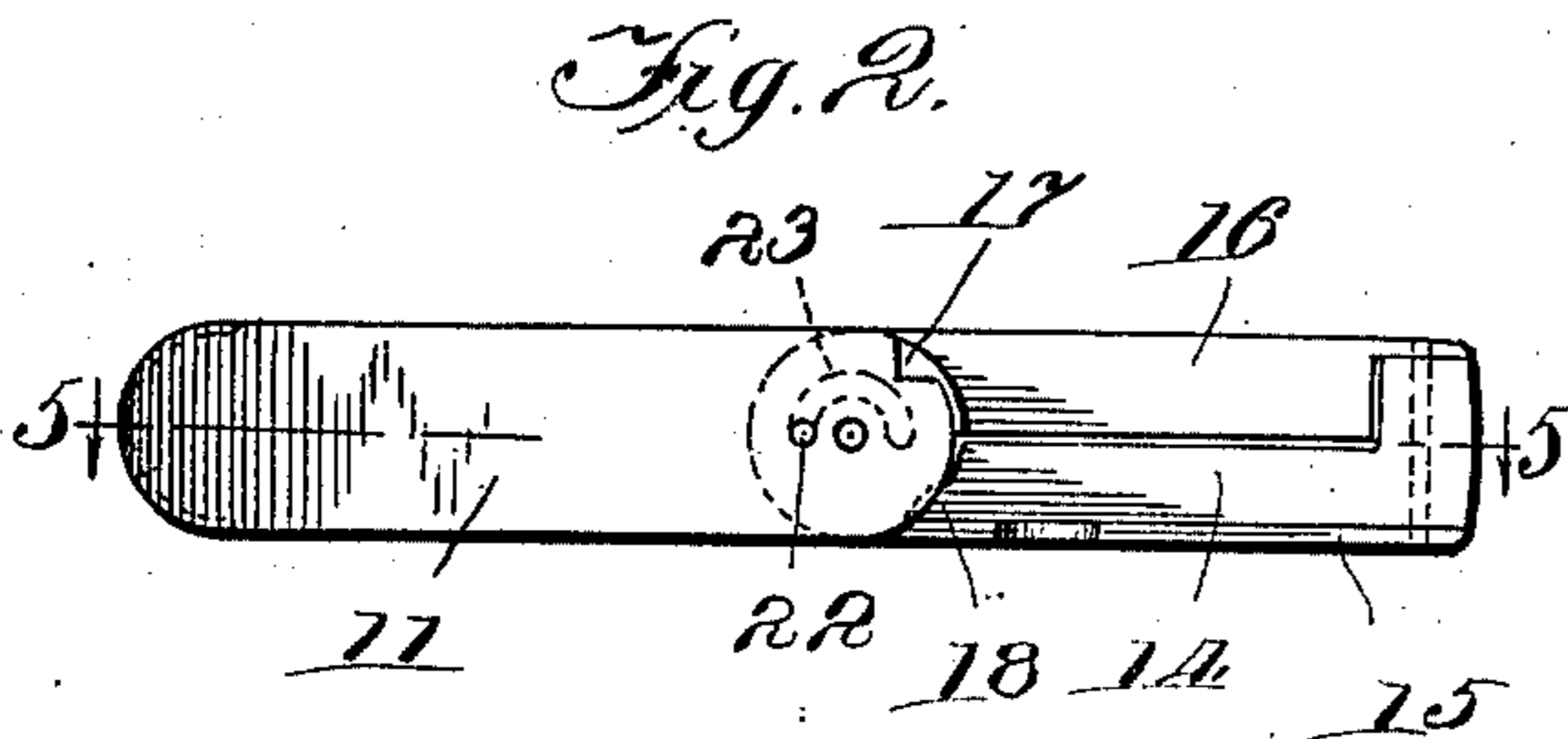
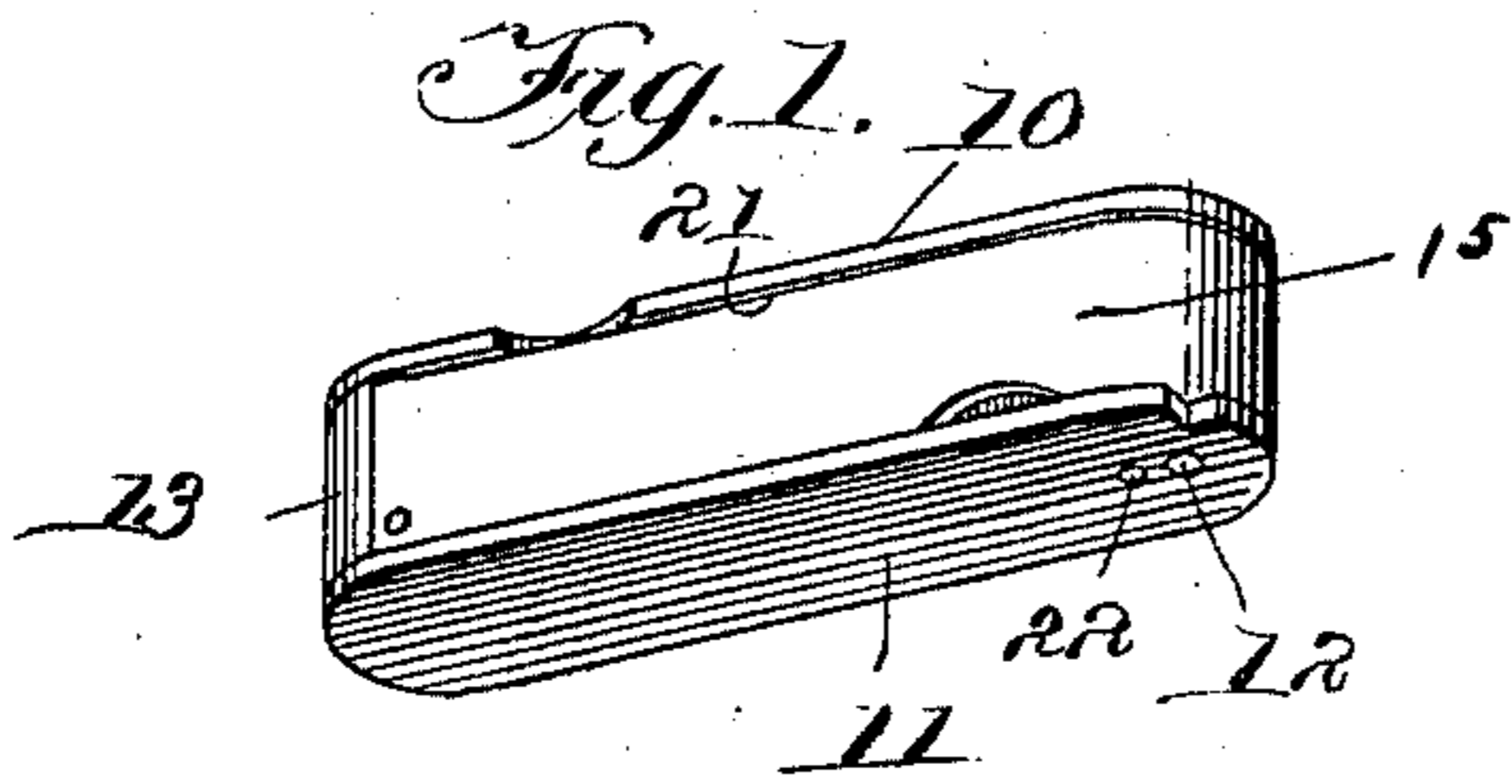
No. 757,090.

PATENTED APR. 12, 1904.

F. H. CHASE.
PENCIL SHARPENER.

APPLICATION FILED JUNE 20, 1903.

NO MODEL.



Witnesses:

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UNITED STATES PATENT OFFICE.

FRANK H. CHASE, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO
HARRY A. DUBIA, OF CHICAGO, ILLINOIS.

PENCIL-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 757,090, dated April 12, 1904.

Application filed June 20, 1903. Serial No. 162,307. (No model.)

To all whom it may concern:

Be it known that I, FRANK H. CHASE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Pencil-Sharpeners, of which the following is a specification.

This invention relates to pencil-sharpeners, and particularly to that kind which is adapted to be carried in a pocket.

The object of this invention is to provide a portable sharpener which can be used without soiling the hands or scattering the shavings, but which receives and confines the shavings within itself.

Another object of the invention is to provide a pencil-sharpener of simple construction which can be folded into compact form, with the cutting-blade protected when not in use and adapted to be readily opened to be sharpened.

The invention also has other ends in view, which will fully appear in the detailed description thereof, reference being had to the accompanying drawings, illustrating one embodiment of the invention, and in which—

Figure 1 is a perspective view of the sharpener closed. Fig. 2 is a bottom plan view showing the sharpener opened for use. Fig. 3 is a plan view showing the sharpener partly folded to release the knife-blade. Fig. 4 is a plan view of the top of the sharpener in open position with the slip-lid open. Fig. 5 is a longitudinal sectional view on the line 5 5 of Fig. 2. Fig. 6 is a transverse sectional view on the line 6 6 of Fig 5. Fig. 7 is a longitudinal sectional view on the line 7 7 of Fig. 6. Fig. 8 is a side elevation showing the knife extended to be sharpened.

Referring to the drawings, in which like numerals of reference indicate corresponding parts in the several figures, 10 and 11 are respectively the top and bottom plates, which are held together by the pivot-pin 12 and the end 13 and form the casing which incloses all the parts of the device when not in use. The knife-blade 14 is pivotally mounted in the outer end of a frame 15, which is pivoted within the casing on the pin 12. The guard 16 forms with

the knife-blade a bottom for the frame, and the end of the blade is arranged to travel above the end of the bottom of the casing, which is notched at 17 to permit the blade to be thrown open, as shown in Fig. 8, to be sharpened. The end 18 of the knife is preferably reduced, as shown in Fig. 3, to facilitate the release of the knife; but it is apparent that the knife and notch may be variously constructed to permit the knife to be opened. A spring 19 operatively engages the shoulder 20 of the knife-blade to hold it in fixed position when closed and also when open. A slip-lid 21 forms a top for the frame and can be readily opened to permit the discharge of the shavings which have been collected in the frame. A pin 22 on the casing projects into a slot 23 on the frame and limits the swinging movement of the frame, so that it will fit snugly within the casing when closed and align properly with the casing when open for use.

My pencil-sharpener as thus described can be made in compact form, adapted to be carried in a pocket, and when opened up for use it can be conveniently held in the hand and manipulated in the required manner. The shavings will be collected in the frame, and after the pencil has been sharpened the lid 21 can be thrown open, as shown in Fig. 4, and the shavings discharged. It will be observed that the sharpener is constructed and adapted to be manipulated like a penknife in sharpening a pencil, with the additional advantage, however, that the shavings are not permitted to fall and scatter around, but are wholly collected and confined within the device until they can be conveniently discharged. The sharpener is of very simple construction, and the blade can be easily thrown out into open position to be sharpened without disconnecting or unfastening any of the parts. The guard acts as a guide and prevents the knife from gouging the pencil and causes it to maintain a straight bevel on the pencil.

Without limiting myself to the exact construction and arrangement of parts herein shown and described, what I claim, and desire to secure by Letters Patent, is—

1. A pencil-sharpener comprising a casing

adapted to form a handle, a frame pivoted to and folding within the casing and adapted to receive and confine the shavings, and a knife-blade carried by said frame.

5 2. A pencil-sharpener comprising a folding casing and frame, a knife-blade carried by and forming a part of the bottom of said frame, and a slip-lid for the frame.

10 3. A pencil-sharpener comprising a handle, a frame, and a knife-blade pivoted in the outer end of the frame and having its free end arranged beneath a part of the handle.

4. A pencil-sharpener comprising a handle, a frame, a knife-blade pivoted in the outer

end of the frame and having its free end ar- 15
ranged beneath a part of the handle, and a notch in the handle to permit the blade to be swung on its pivot into position for sharpen-
ing.

5. A pencil-sharpener comprising a folding 20
casing and frame, a knife-blade and a guard forming the bottom of the frame, and a slip-lid for closing the frame.

FRANK H. CHASE.

Witnesses:

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