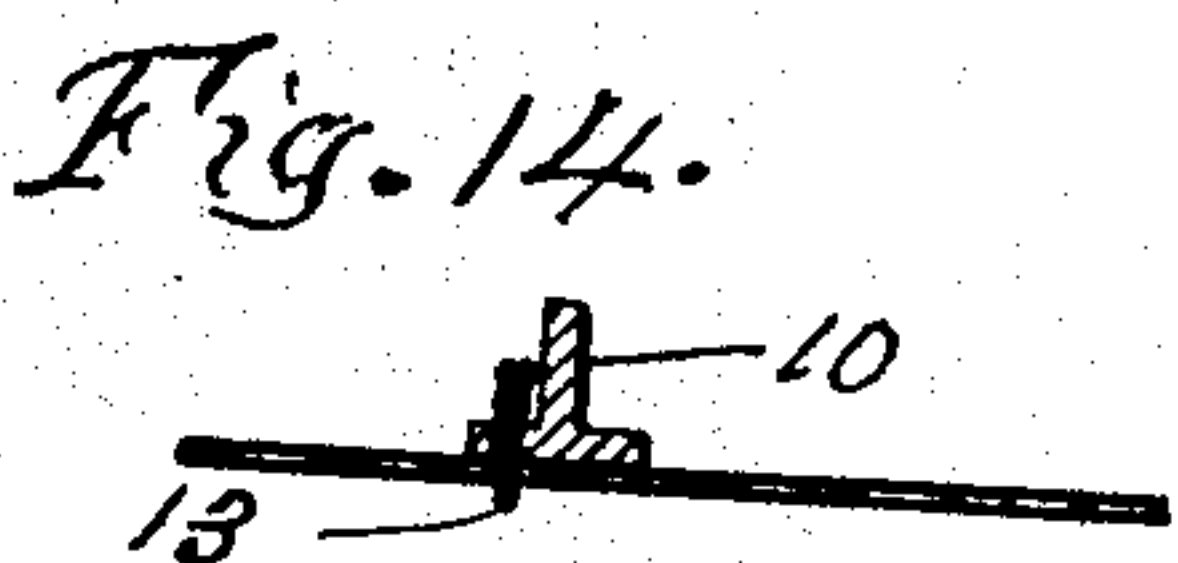
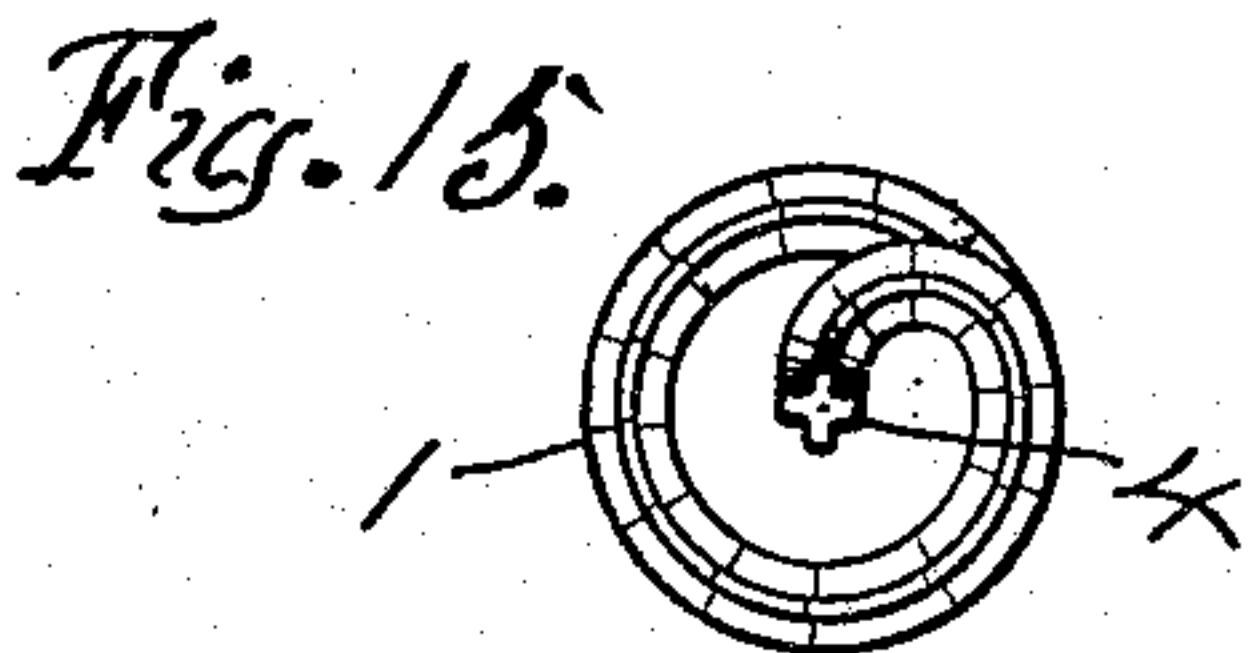
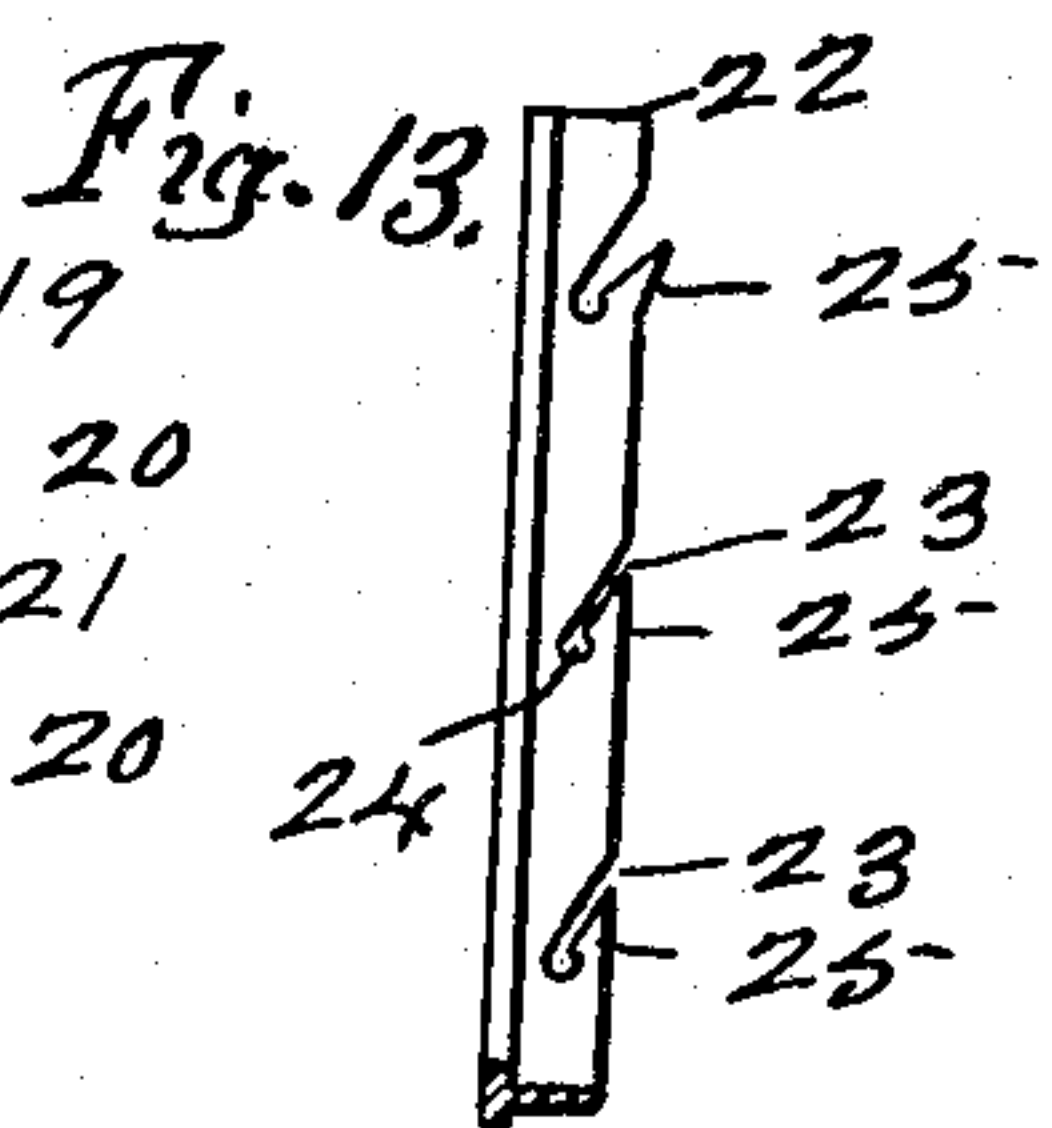
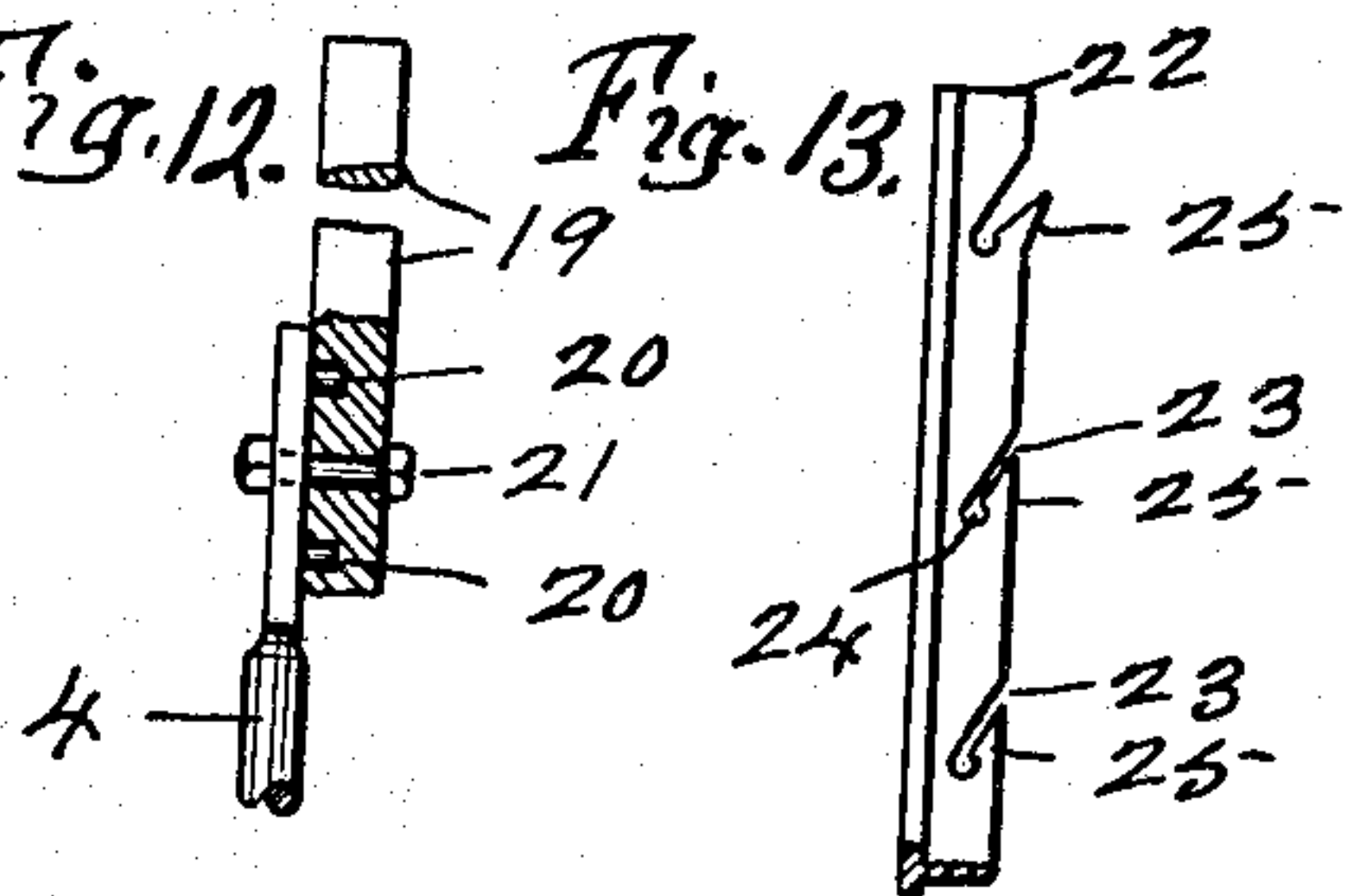
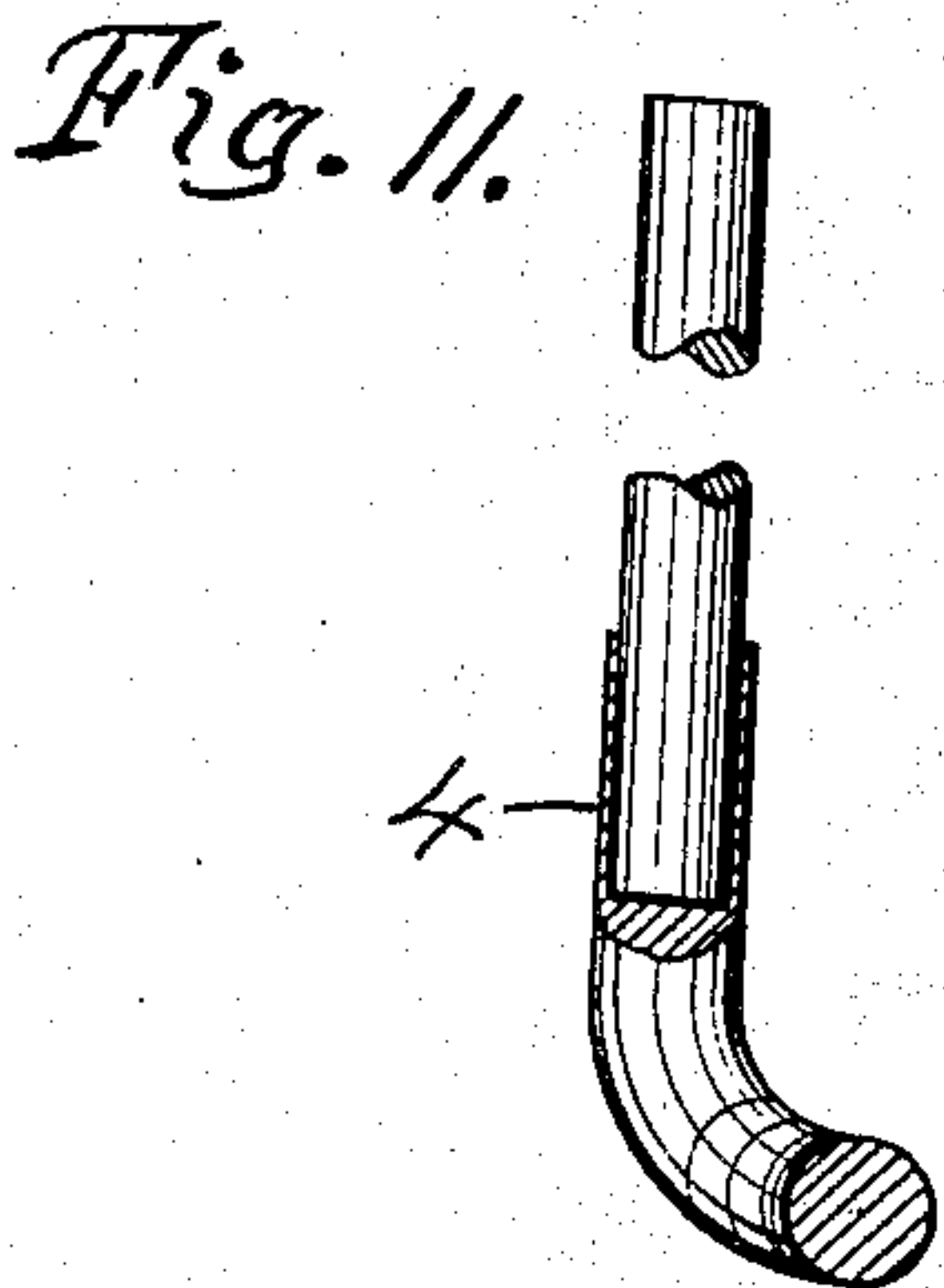
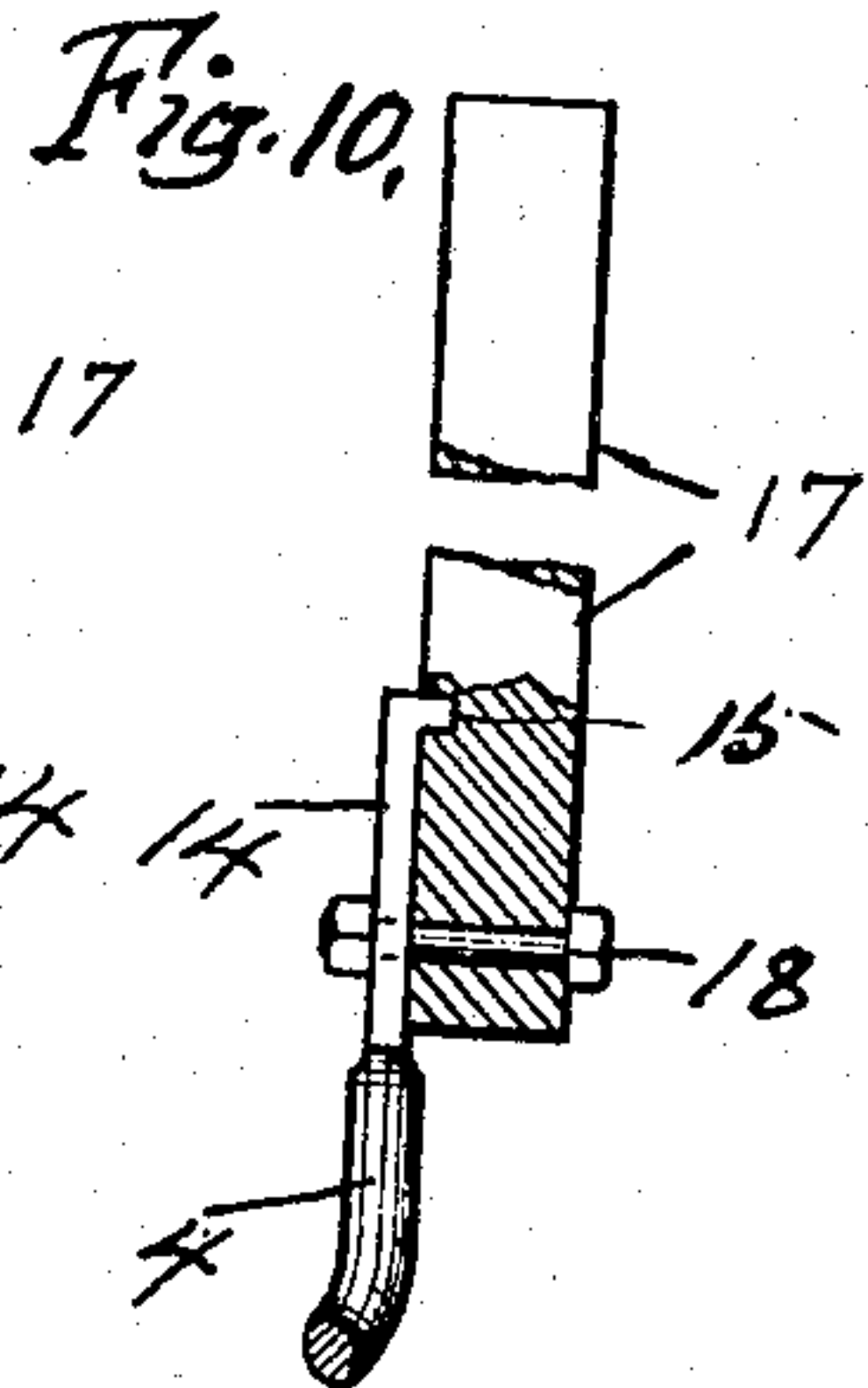
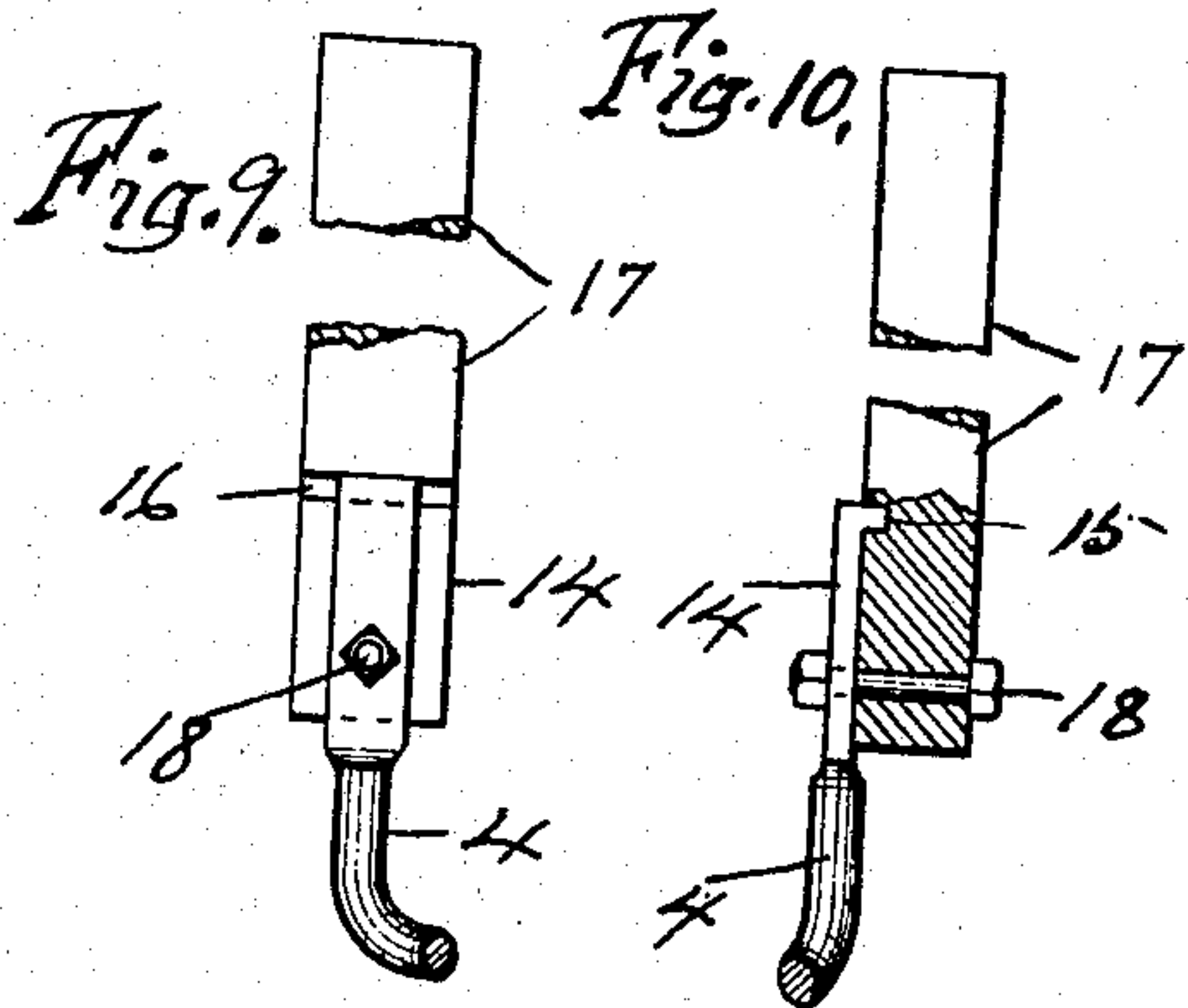
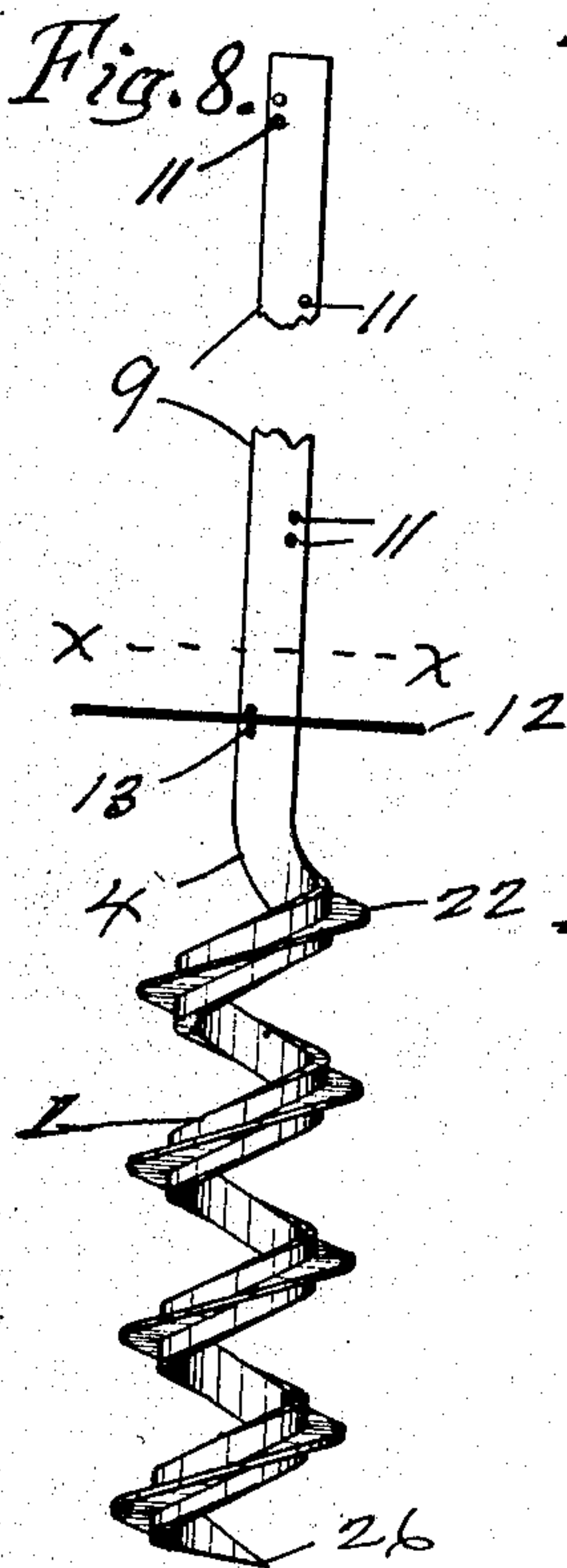
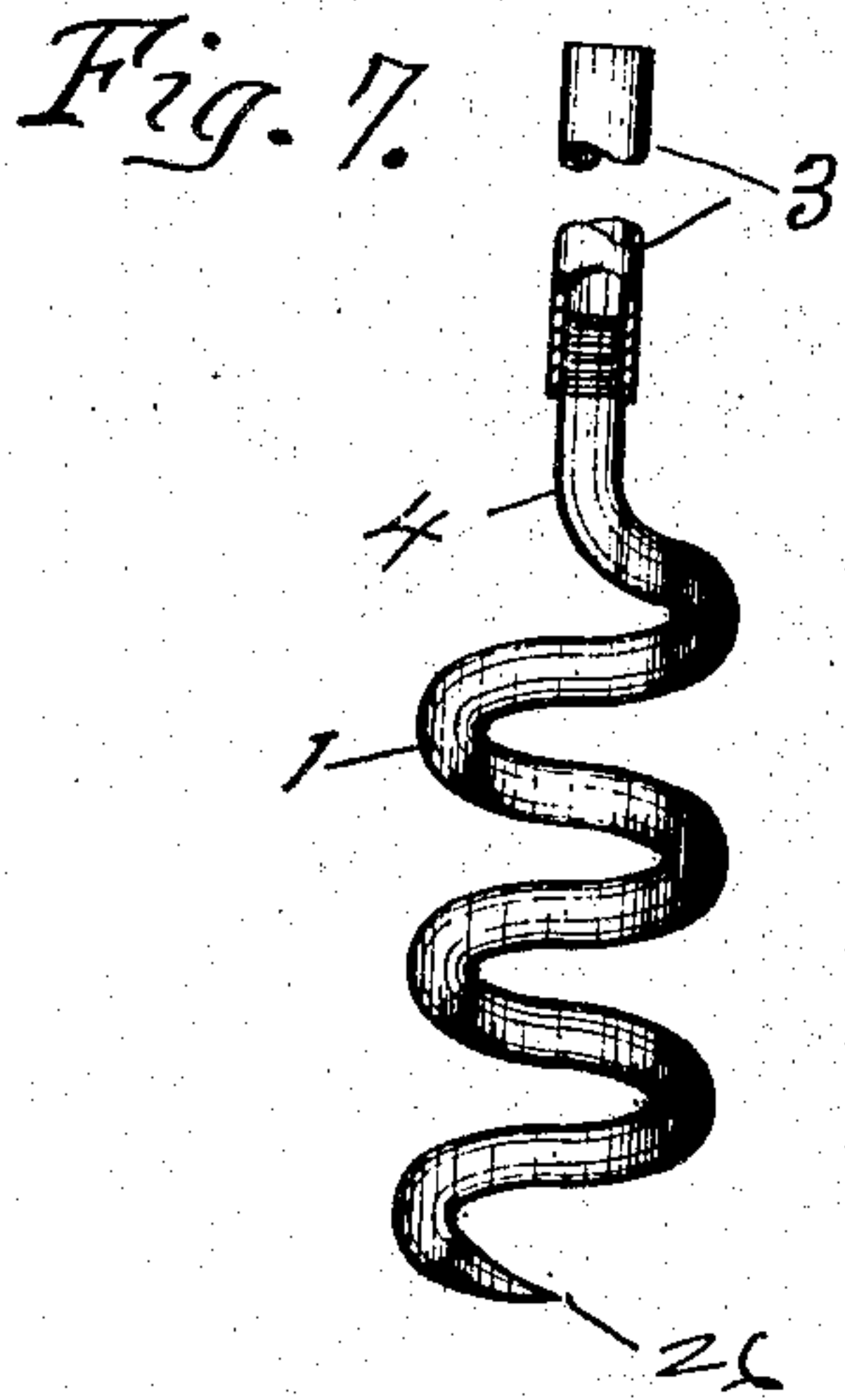
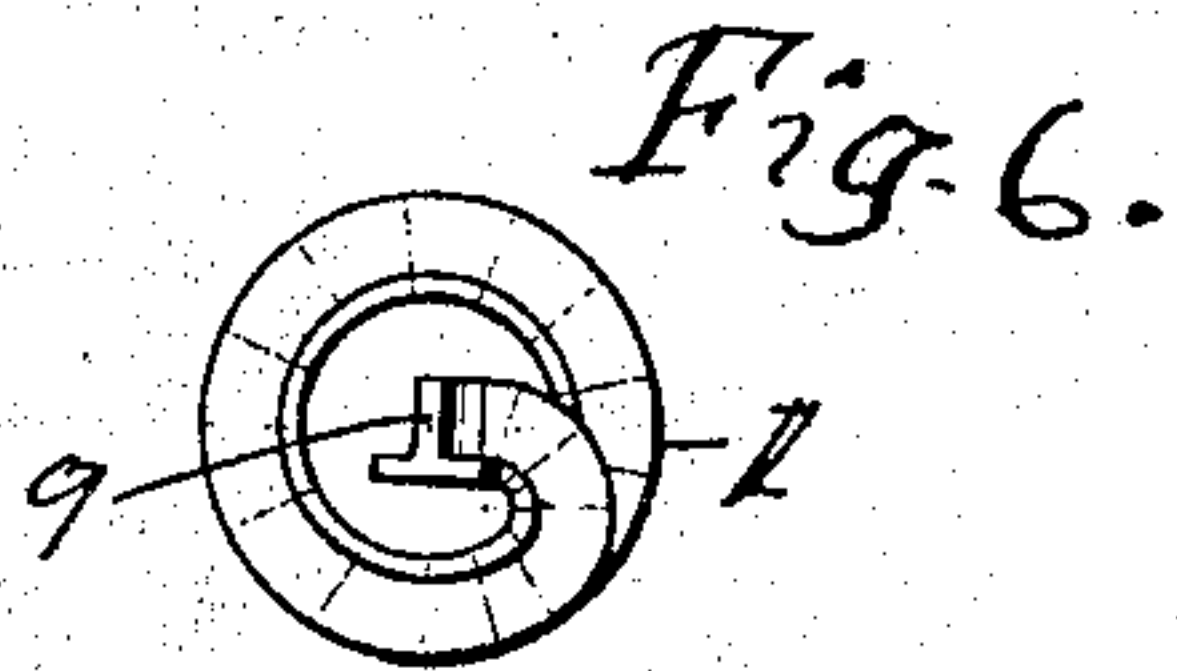
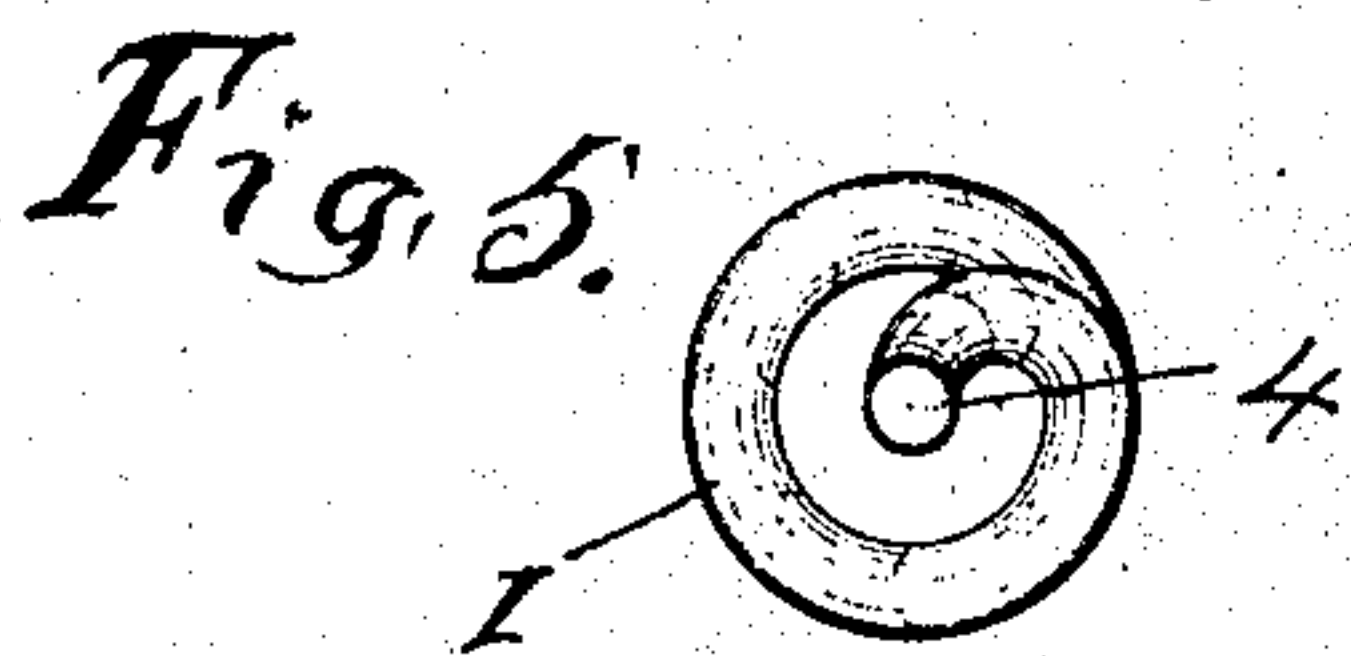
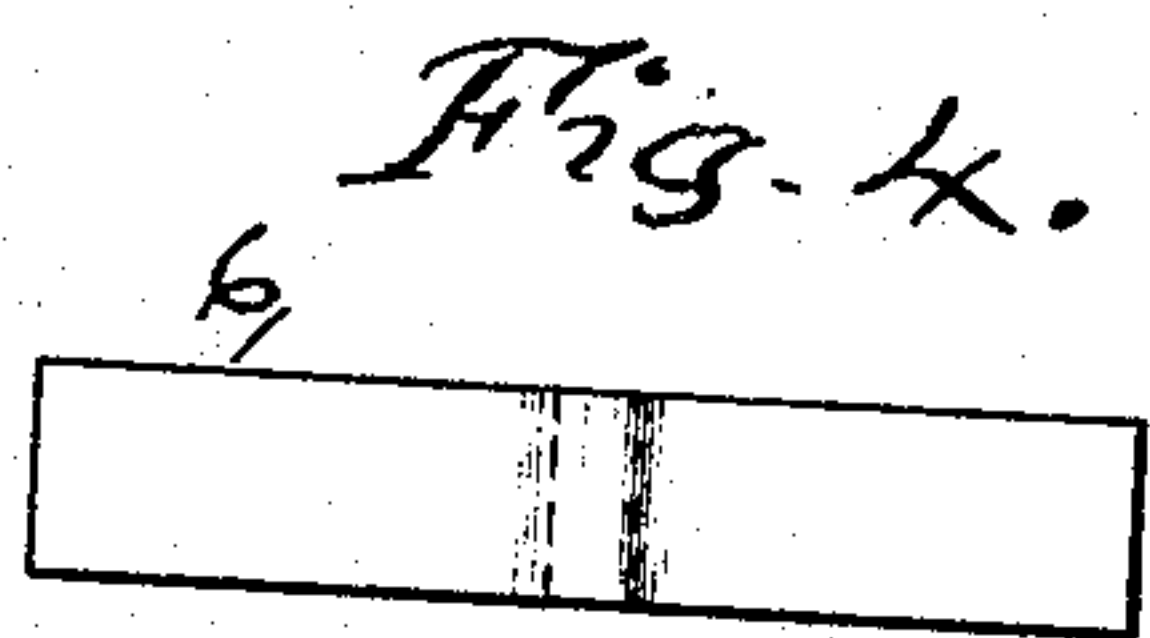
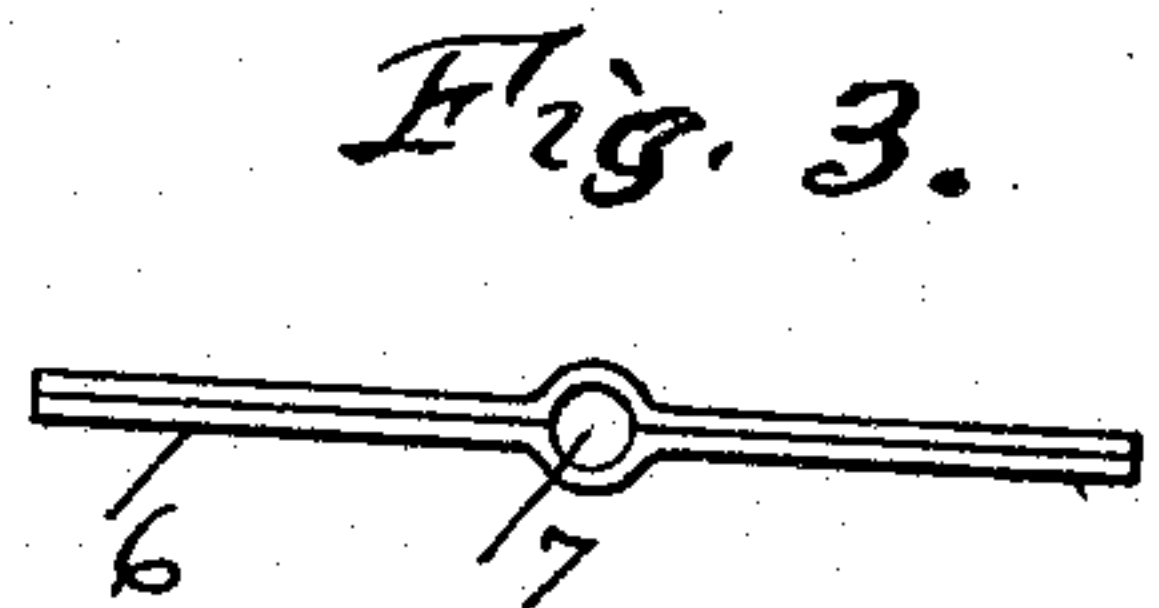
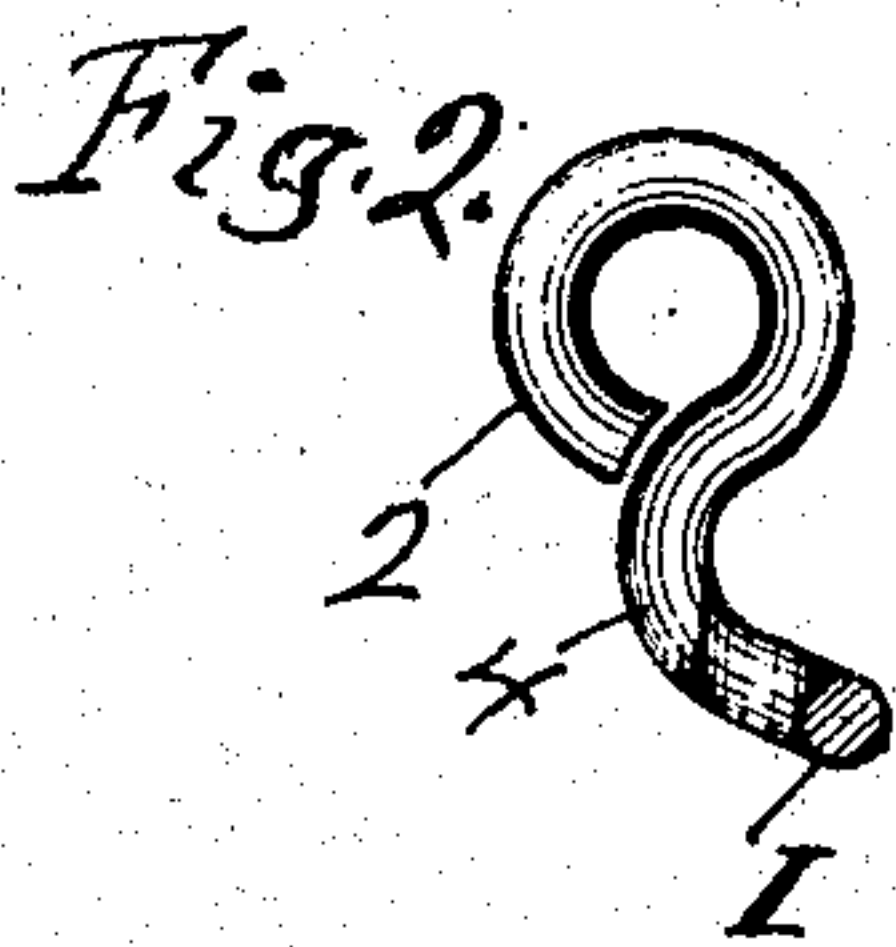
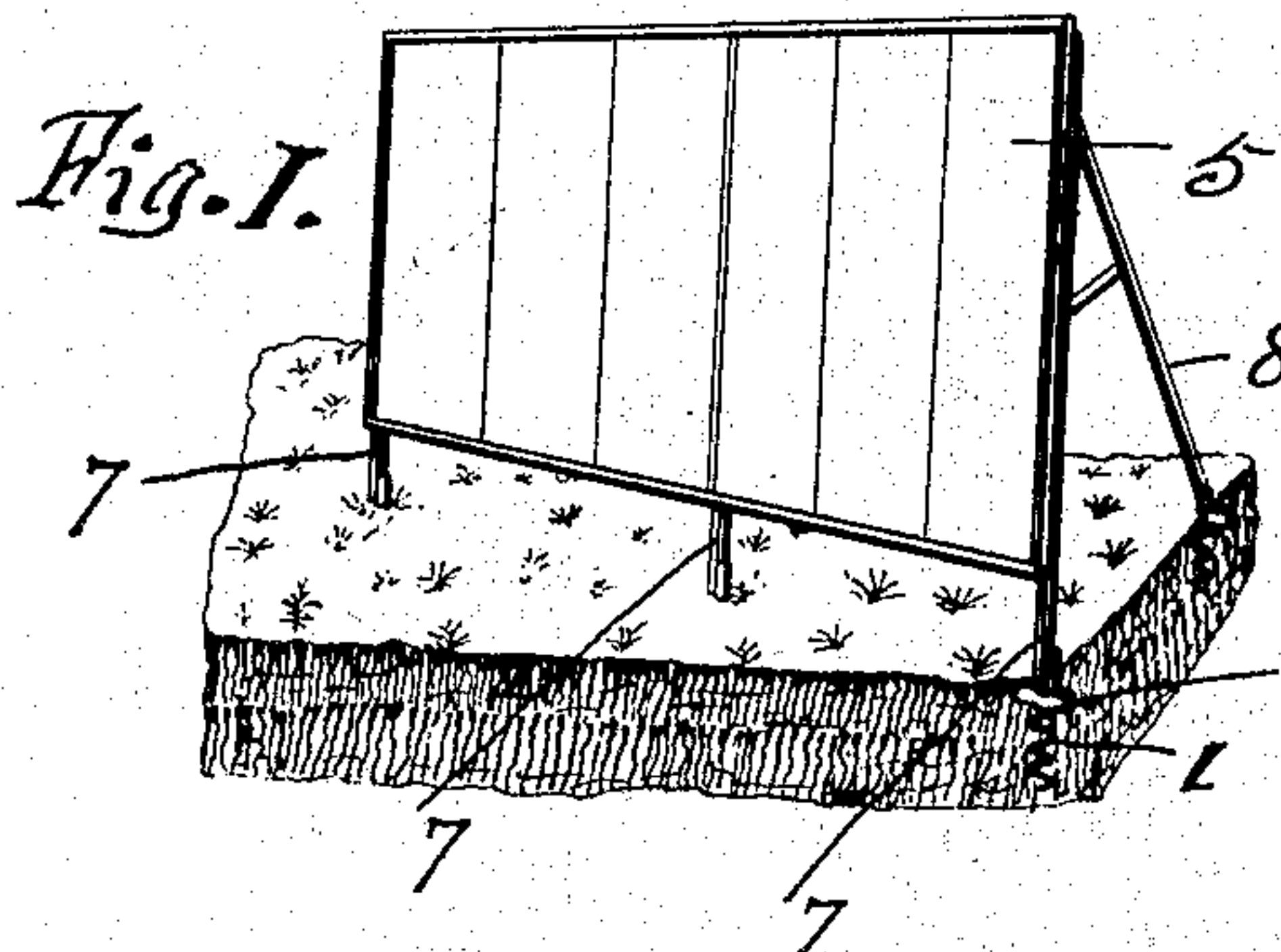


J. L. PERRY.  
EARTH ANCHOR OR ANCHOR POST.  
APPLICATION FILED AUG. 28, 1908.

930,792.

Patented Aug. 10, 1909.



WITNESSES:  
Auguste Spiegel  
Augusta Veborg.

James L. Perry INVENTOR.  
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# UNITED STATES PATENT OFFICE.

JAMES L. PERRY, OF BLUFFTON, INDIANA.

## EARTH-ANCHOR OR ANCHOR-POST.

No. 930,792.

Specification of Letters Patent.

Patented Aug. 10, 1909.

Application filed August 28, 1908. Serial No. 450,625.

*To all whom it may concern:*

Be it known that I, JAMES L. PERRY, citizen of the United States, residing at Bluffton, in the county of Wells, in the State of Indiana, have invented certain new and useful Improvements in Earth-Anchors or Anchor-Posts; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to improvements in earth anchors or anchor posts.

The primary object of my present invention is to provide a cheap, simple and reliable earth anchor adapted by slight modification for a variety of applications, such as anchoring rigidly in place the supporting posts for temporary sign boards, tents, and iron fences and the like.

Another object of my invention is to provide an anchoring device which by an immaterial and obvious modification can be employed as either the post or the post base in wire fences.

My invention consists essentially of an anchor-post having a cork-screw form or spiral body which may have various contours in cross-section, and is provided upon its lower end with a suitable point, and has its upper end longitudinally extended in concentric arrangement with the spiral body, and adapted to be attached to the post or brace which it secures.

The novel feature of my invention resides in the provision of a spiral body for the anchor with a vertical concentric extension to which the anchored object is secured.

Similar reference numerals indicate like parts throughout the several views in which—

Figure 1 is a perspective view of a common form of advertising signs to which my invention is applied. Fig. 2 is an enlarged detail view of one form of the upper end of the anchor terminating in an anchoring eye. Figs. 3 and 4 are plan and side views respectively of a reinforcing attachment for the anchor. Fig. 5 is a plan view of one form of my invention in which the spiral body is circular in cross-section. Fig. 6 is a plan view of my invention in which the spiral body is formed of T-iron. Fig. 7 is a view in elevation of Fig. 5, with the addition of a tubular

extension, partly broken away and secured thereto by a screw-threaded connection. Fig. 8 is a view in elevation of Fig. 6 with a cross-wire in position thereon showing how it can be employed as a post for wire fences. Fig. 9 shows a front view of another form of extension for the form of anchor shown in Fig. 7, and another way of securing it to a post, partly broken away. Fig. 10 is a side view of Fig. 9 looking from the right with the lower end of the post partly in section. Fig. 11 is another view of the upper end of that form of anchor shown in Fig. 7, showing a tubular socket adapted to receive a tent pole partly broken away. Fig. 12 is a side view of a modified form of the upper end of the anchor showing a modified way of securing it to an iron post, shown partly in section, and partly broken away. Fig. 13 is a side view of the upper extension of the anchor shown in Fig. 8 showing another way of securing the fence wires therein. Fig. 14 is a cross-section of Fig. 8 on the line  $x-x$ , with the anchor omitted, and showing the manner of securing the fence wires. Fig. 15 is a plan view of another modified form of my anchor in which the spiral body is formed of star-iron, a very efficient form of construction, as it has the greatest power of resistance to lateral strains thereon.

My improved earth anchor consists of two essential parts, the body 1 of the anchor form of suitable metal and given a spiral contour of any desired proportions and any desired pitch. The spiral body 1 may also be of any desired contour in cross-section, either cylindrical as in Figs. 1, 2, 5, 7, 9, 10, 11 and 12, or of T-iron form, as in Figs. 6, 8 and 14, or of star-iron form as shown in Fig. 15. The upper end of the body 1 is, of course, to be screwed into the earth by a suitable lever, not shown, and may be provided with an eye 2, Fig. 2, to which any suitable stay rod or wire can readily be secured. This eye, of course, projects above the ground. The upper end of the spiral body 1 may be screw-threaded, and surmounted by a tubular post 3, Fig. 7, secured thereto by a screw-threaded connection. This tubular post 3 thus anchored is adapted to receive a tent pole or post, not shown. Instead of having the upper end of the anchor screw threaded it may be provided with a tubular shank 4, Fig. 11, forming a socket also adapted to secure a tent pole or other post.



In Fig. 1 is shown how the anchor is applied to the supporting uprights and the oblique stay of a common form of advertising sign 5 commonly set up in fields along railways, and in vacant lots and elsewhere as follows:

The anchor is firmly screwed into the ground in a vertical position and has its upper end or shank provided with the reinforcing plate 6 which is removably mounted thereon by passing the shank 4 through the opening 7 therein. The anchor is driven a sufficient depth in the ground to cover the plate 6 also. The plate 6 is so arranged relative to the sign 5 as to present the greatest resistance to lateral strains thereon. The upper end of the shank 4 is then firmly secured to the lower end of the sign supporting uprights 7 and the brace 8.

My improved spiral anchor is also adapted to be employed as a metallic fence post for wire fences by extending the shank 4 upwardly to form a post 9 which may be provided upon each side of the vertical flange 10 with lateral openings 11, preferably in alternate arrangement as shown in Fig. 8. Horizontal fence wires 12 are then secured to the flat face of the post by means of wire loops 13 whose ends are passed through the opening 11 and then twisted together, Fig. 14.

Instead of having the upper end of the anchor extended into a lengthened shank suitable for a post, it may be flattened into an angular shape 14, Figs. 9 and 10, whose free end has a terminal lateral flange 15, adapted to snugly fit a transverse recess 16 in the adjacent face of the post 17 after which the shank is rigidly secured to the post 17 by means of a bolt 18 which passes through the post.

If it is desired to employ a metal post

19 in connection with my anchor, the shank is flattened and provided upon its inner face with a pair of vertically arranged lugs 20 adapted to snugly fit corresponding recesses in the adjacent face of the post, Fig. 12, after which these parts are rigidly secured together by means of a bolt 21.

Instead of providing holes 11 in the flat face of the T-iron post extension, as in Fig. 8, the central flange may be provided with a series of vertically arranged slits 23 having a suitable circular opening 24 to receive the horizontal fence wires 12. To insert the wire into the openings 24 the slits are opened by a slight lateral bend of the points 25 which thereby widens the slit. After the wires are in position the points 25 are bent back to their normal position thereby securing the wires in position.

As my invention is adapted to be readily screwed into the ground it is obvious that it is unnecessary to dig a hole to bury the same. By this construction the anchor can also be readily removed at pleasure.

Having thus described my invention what I desire to secure by Letters Patent is:

1. An anchor post comprising a spiral body of T-iron provided upon its upper end with a longitudinal extension adapted to support horizontal fence wires.

2. A post anchor consisting of a spiral body of T-iron contour in cross-section provided upon its upper end with a longitudinal shank to which the anchored object is secured.

Signed by me at Fort Wayne, in the county of Allen, State of Indiana, this 24th day of August, 1908.

JAMES L. PERRY.

Witnesses:

AUGUSTA VIBERG,  
WATTS P. DENNY.