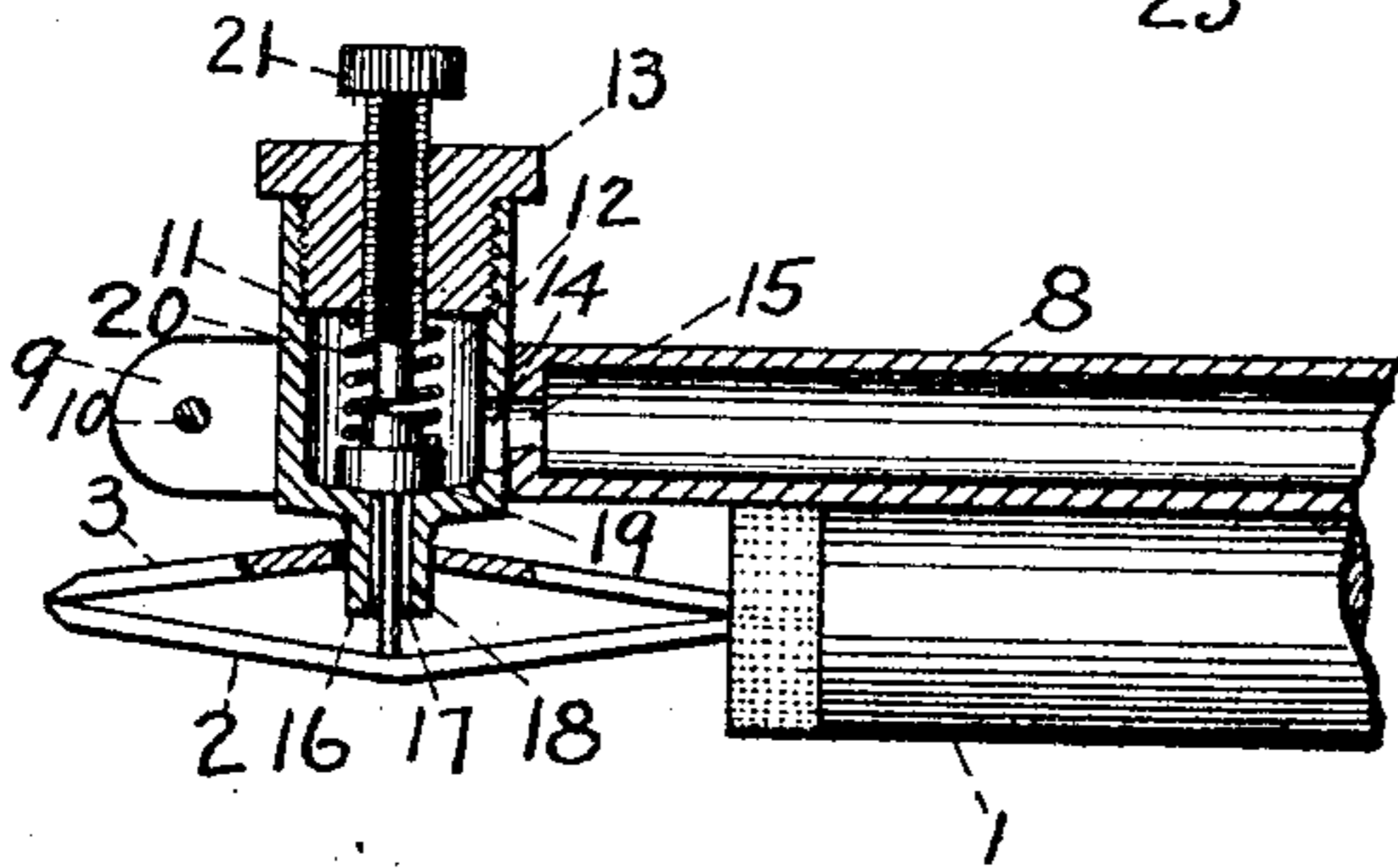
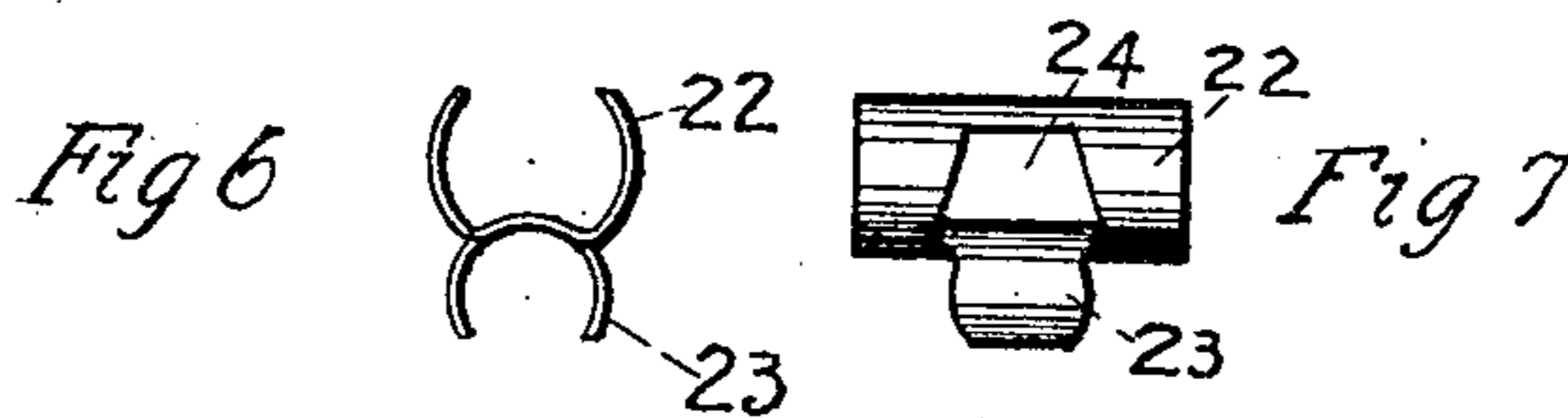
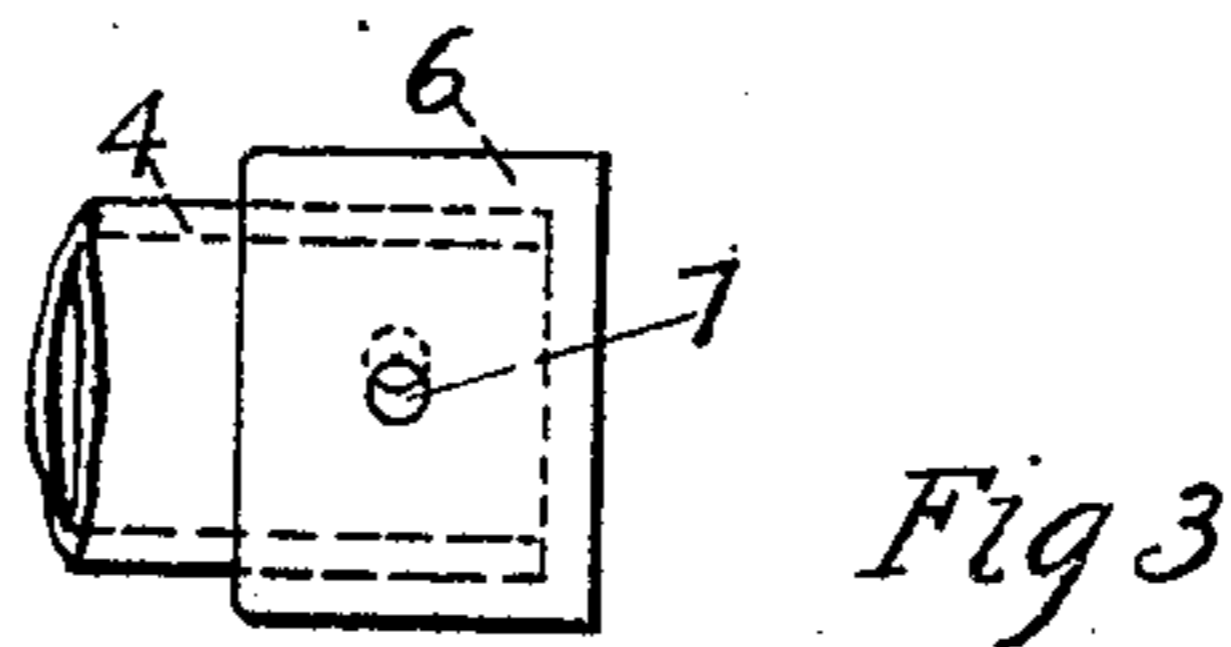
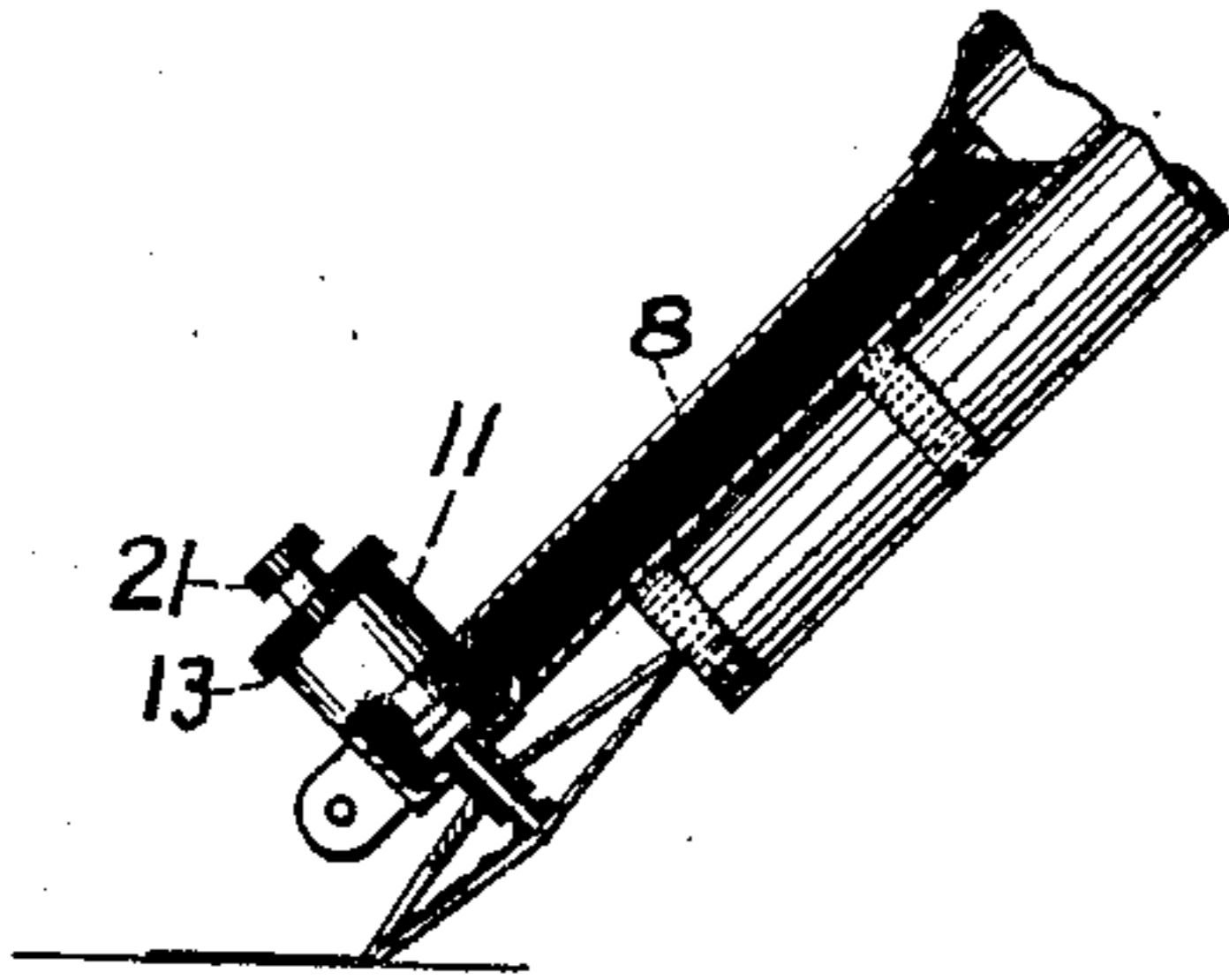
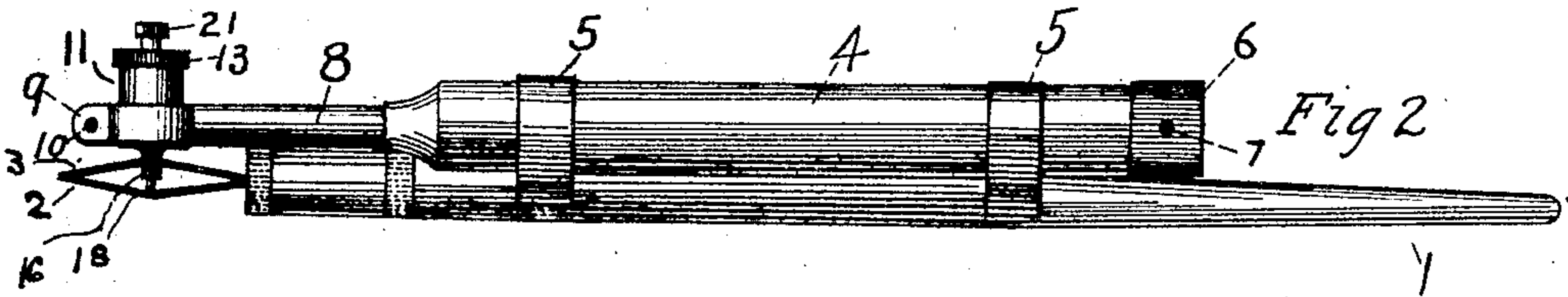
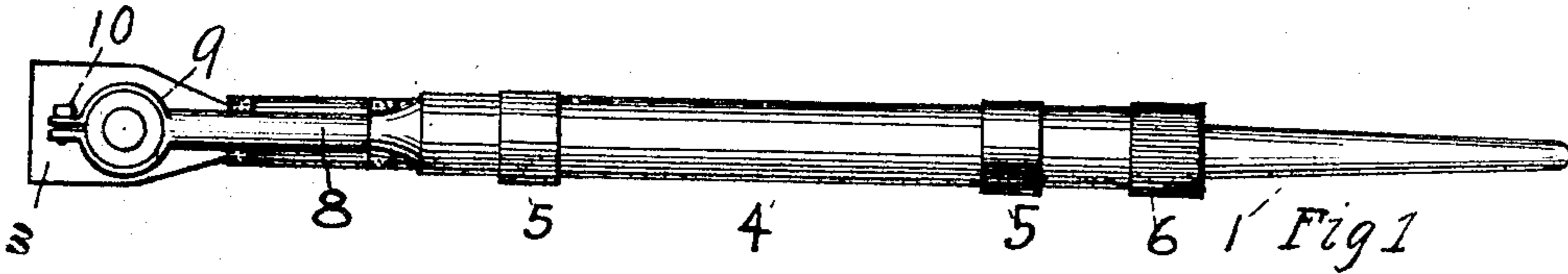


C. A. FAUST.
 AUTOMATIC FOUNTAIN ATTACHMENT FOR PENS.
 APPLICATION FILED MAY 25, 1908.

912,659.

Patented Feb. 16, 1909.



Witness
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UNITED STATES PATENT OFFICE.

CHARLES AYERS FAUST, OF CHICAGO, ILLINOIS.

AUTOMATIC FOUNTAIN ATTACHMENT FOR PENS.

No. 912,659.

Specification of Letters Patent.

Patented Feb. 16, 1909.

Application filed May 25, 1908. Serial No. 434,733.

To all whom it may concern:

Be it known that I, CHARLES A. FAUST, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Automatic Fountain Attachments for Pens, of which the following is a specification.

The object of my invention is to provide a fountain that can be applied to almost any pen and one that will operate automatically to supply a given amount of ink according to a regulating device provided therefor and also to provide a fountain that will operate with almost any kind of ink.

The invention consists in the devices set forth in the claims.

Reference will be had to the accompanying drawing in which—

Figure 1 is a top plan view of a pen with the fountain attached. Fig. 2 is a side elevation of Fig. 1. Fig. 3 shows a detail of the end plug or cap. Fig. 4 is a vertical sectional detail view showing pen in operation. Fig. 5 is a sectional view showing the parts in larger scale. Figs. 6 and 7 are details of a clamp for holding the fountain to the pen.

In the drawing "1" indicates any ordinary penholder handle to which there is fixed a pen, which is shown in this drawing to be composed of the two blades "2 and 3" forming the ordinary flat double pen, what is known as an automatic shading pen, for round writing or show card writing for marking purposes and many other kinds of work. Other styles of pens may be used with the invention.

Mounted at the top and along the penholder handle there is an ink fountain storage chamber, "4" held by clasps "5" to the holder "1". The clasps "5" may be made in any suitable manner and a desirable form is shown by Figs. "6 and 7". The ink is supplied to the fountain chamber "4" through the upper end, which is normally closed by a cap "6" provided with a vent hole "7" which registers with a similar hole in the wall of the tube "4" whereby on rotating the cap "6" the vent may be adjusted to vary in amount or be closed entirely. The lower end "8" of the tube "4" is smaller and terminates into a clasp "9" provided with a tightening screw "10", which clasp holds a block "11" by frictional contact in

the clasp and by loosening screw "10", block "11" may be adjusted or removed as desired. Block "11" is provided with a chamber "12" closed at the top by a screw plug "13", and chamber "12" is open by a hole "14" to a hole "15" into the tube "8" of the fountain ink supply chamber "4". The lower end of block "11" is provided with a nipple "16", extending through a hole in top plate 3 of the pen, or resting on top of plate if an ordinary writing pen or a similar tool for marking or writing is used in connection with this fountain. This nipple "16" is provided with a hole "17" through which there extends a stem "18" of a valve "19". The stem "18" is smaller than the hole "17", so that at all times there is a space for the flow of ink around the stem "18". The stem "18" rests at all times upon the lower plate or blade "2" of the pen or on top plate when other styles are used, and by pressing the blade "2" of the pen, the stem "18" is lifted and thereby the valve block is also lifted, which lets the ink flow down on to blade "2" of the pen, and thereby supply the pen. The valve block "19" is closed automatically by a spring "20" working against block or plug "13". A screw "21" limits the upward lift of valve "19", to prevent an excessive flow of ink. The adjustment of the block "11" in the clasp "9" permits the stem "18" of valve "19" to be nicely adjusted to suit the bending of the pen blade, to supply the requisite amount of ink, by the simple act of writing.

The clamps shown in Figs. 6 and 7 are made of a stamped sheet of metal having the upward wings "22" comprising the main body of the metal and the lower wings "23" cut out of apertures "24" and bent downward as shown in the drawing which make a desirable and cheap clamp with which to fasten the fountain to the pen.

What I claim is:

1. The combination with a penholder and a springing pen carried thereby, of an ink receptacle having a lateral discharge opening near one end, means for detachably and adjustably securing the receptacle to the penholder with said opening adjacent to the springing portion of the pen, and a valve normally closing said opening and having its stem projecting therefrom against said springing portion, substantially as set forth.
2. A fountain attachment for springing

pens and their holders comprising an ink reservoir, means for securing a reservoir to the penholder, a transversely adjustable ink chamber held by and in communication with the reservoir and provided with a discharge nipple in position to lie above and out of contact with a yielding portion of the pen, a valve normally closing the nipple and provided with a projection normally in position to lie on said yielding portion of the pen.

3. The combination with a penholder and a pen carried thereby, of an ink receptacle mounted upon the penholder, extending over the upper side of the pen and having a discharge opening upon the side next the pen, a valve for said opening having its stem projecting toward the pen, and means for at will varying the distance of said opening from the pen.

4. The combination of a penholder and a pen carried thereby, and having a springing portion of an elongated ink receptacle detachably secured to the penholder, projecting over the upper side of the pen, and provided with a discharge opening upon the side next the pen, a valve for said opening, having its stem projecting against said springing portion, a spring yieldingly resisting the opening of the valve, and means for at will adjusting the position of said stem with respect to the pen, whereby the degree of opening of the valve may be varied.

5. An ink fountain adapted to be used with a double bladed pen and provided with a discharge opening between the blades of the pen, a valve for controlling the amount of the discharge and a valve stem in contact

with a blade of the pen, whereby the bending of the blade opens the valve.

6. An ink fountain adapted to be used with a double bladed pen and provided with a discharge opening between the blades of the pen, a valve for controlling the amount of the discharge a valve stem in contact with a blade of the pen, whereby the bending of the blade opens the valve, with means whereby the valve stem may be adjusted in relation to the pen blade.

7. A fountain for a pen having a discharge opening composed of a nipple or a spout extending approximately at right angles to the pen blade, a valve in this nipple or spout for controlling the opening and a stem for actuating the valve extending through the nipple or spout and resting on the pen blade.

8. A fountain for a pen having a discharge opening composed of a nipple or a spout extending approximately at right angles to the pen blade, a valve in this nipple or spout for controlling the opening and a stem for actuating the valve extending through the nipple or spout and resting on the pen blades, with means whereby the valve-carrying portion of the fountain may be adjusted in relation to the pen blade.

In witness whereof I hereunto sign my name on this 8th day of April, 1908 at Chicago, Illinois in the presence of two subscribing witnesses.

CHARLES AYERS FAUST.

Witnesses:

JOHN GRANT,
JOS. A. LA BREE.