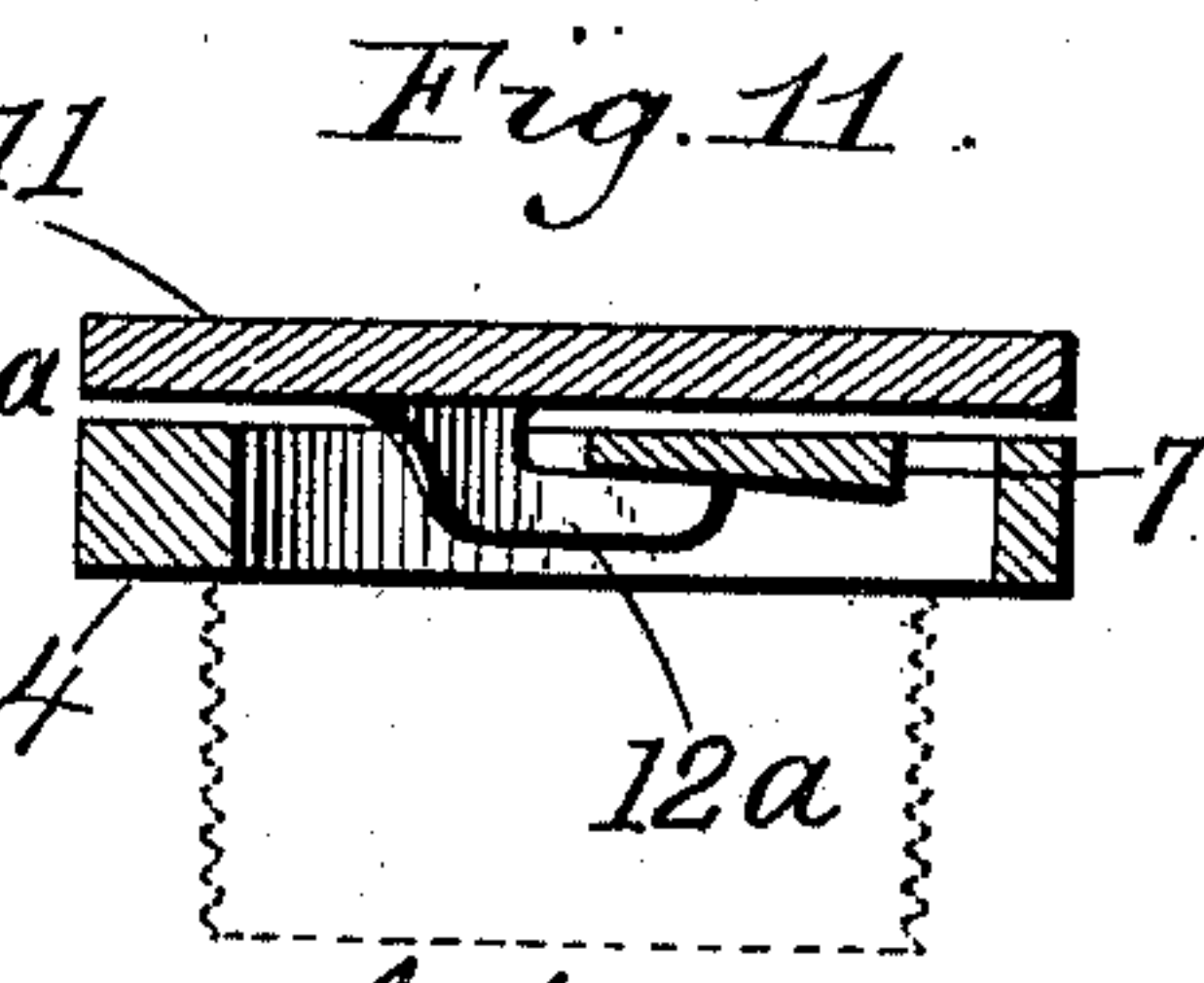
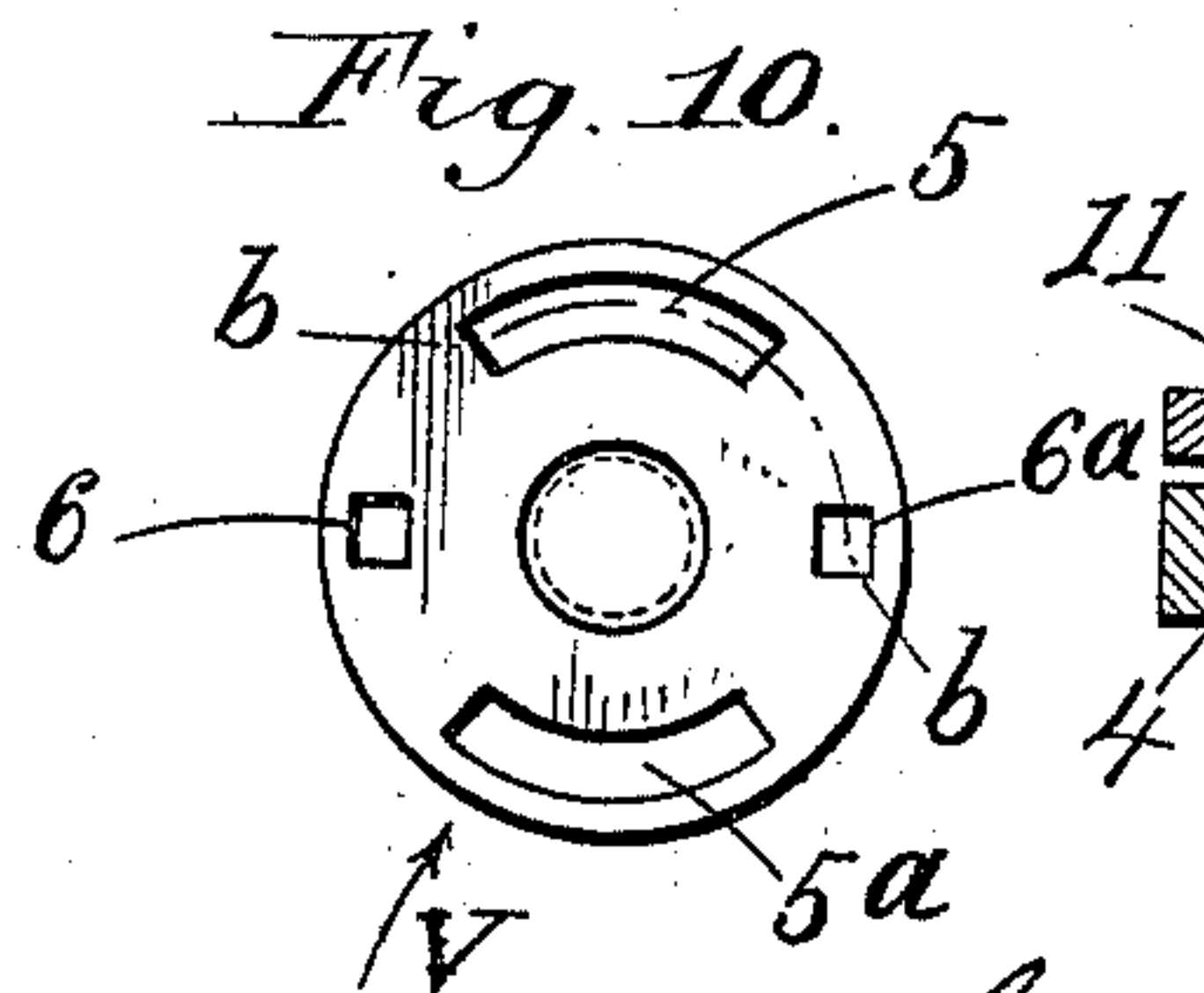
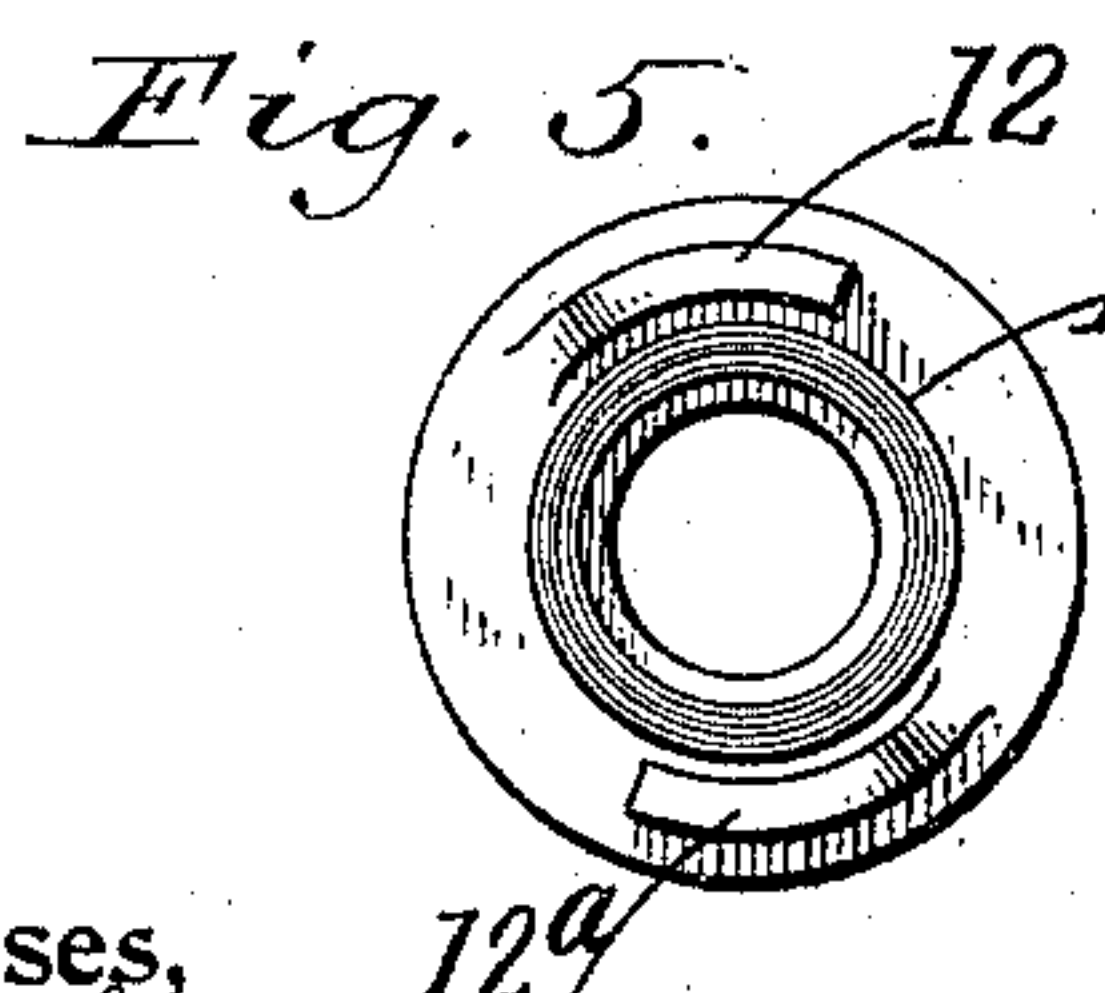
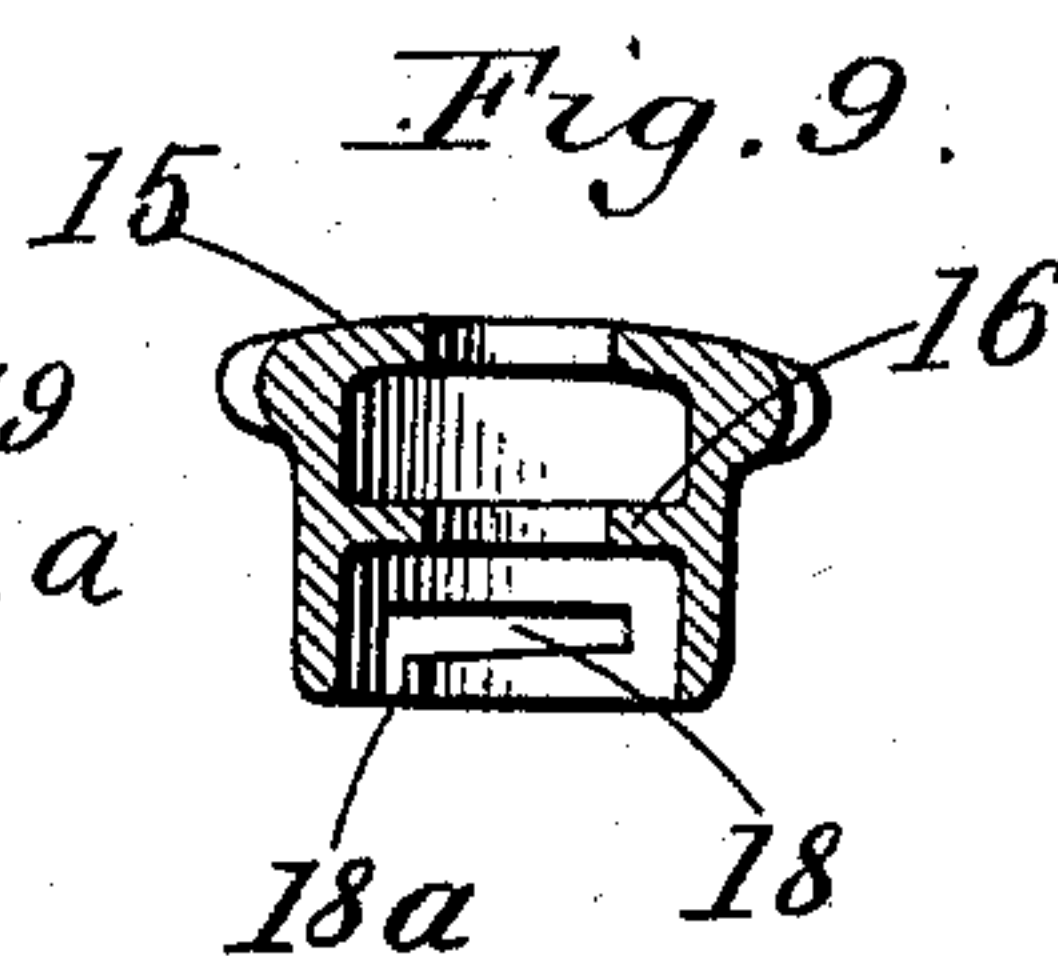
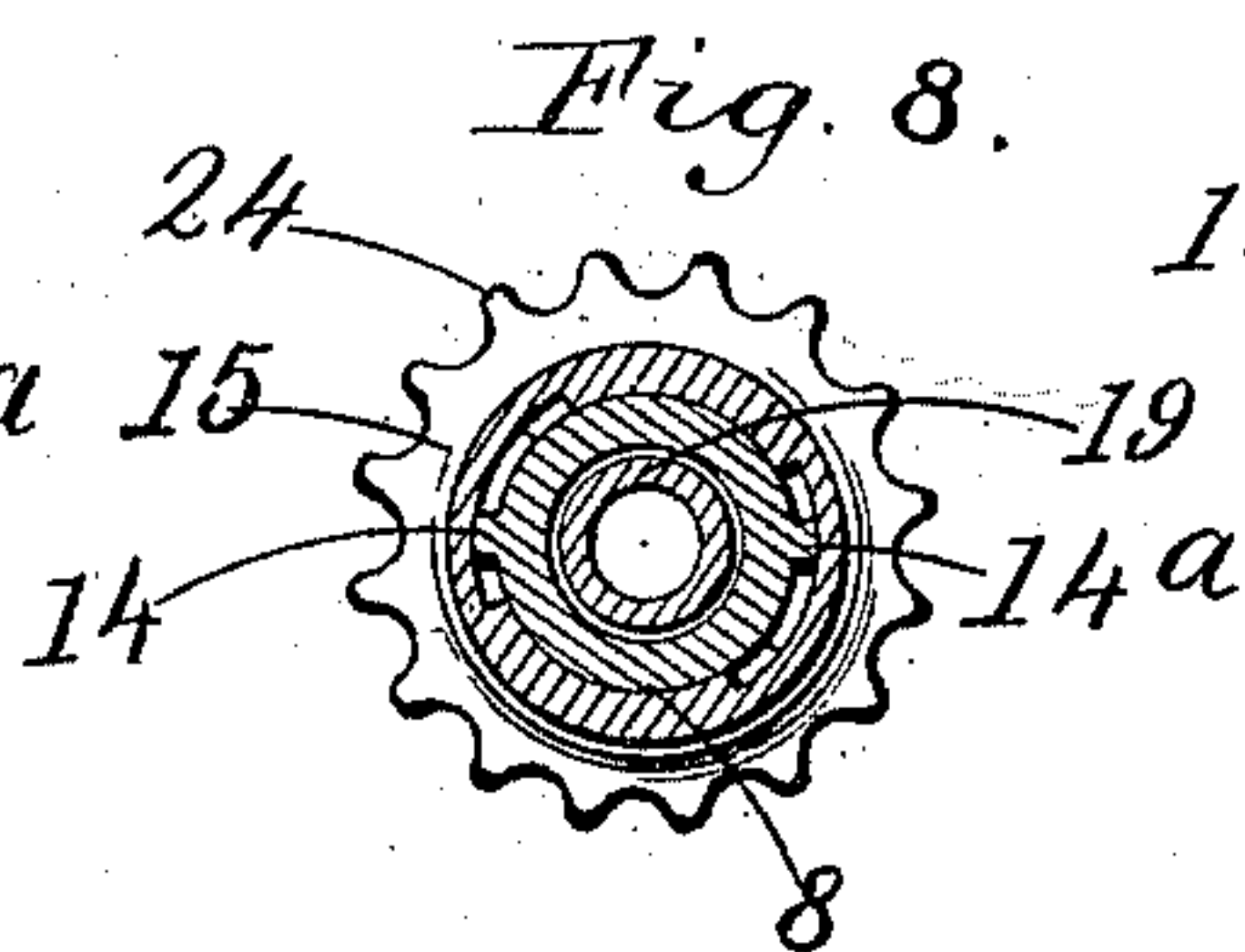
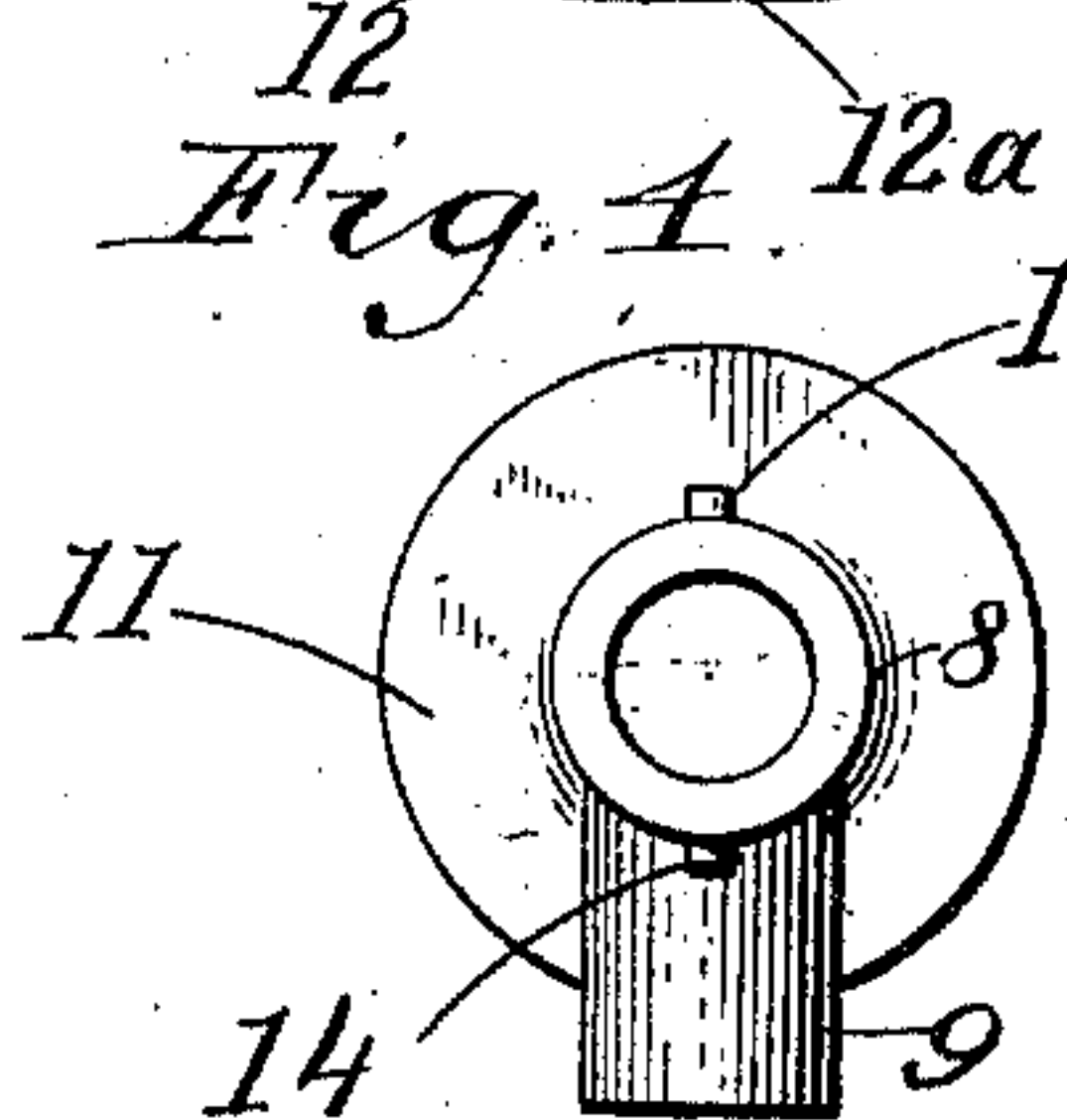
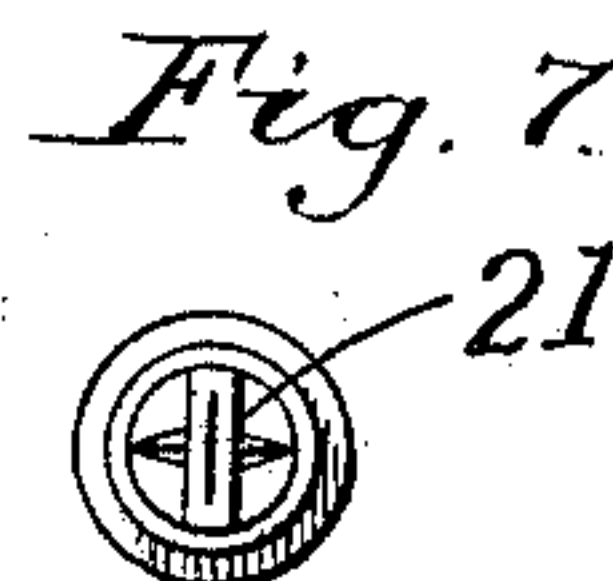
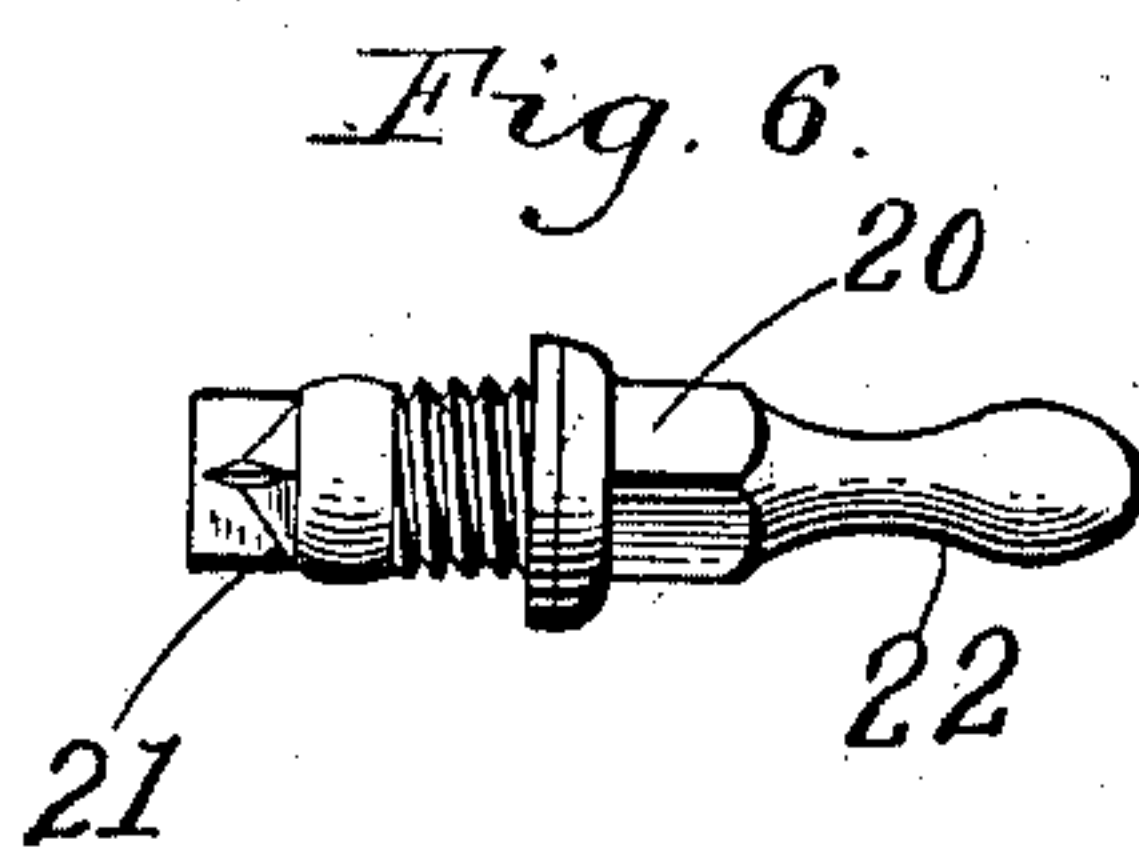
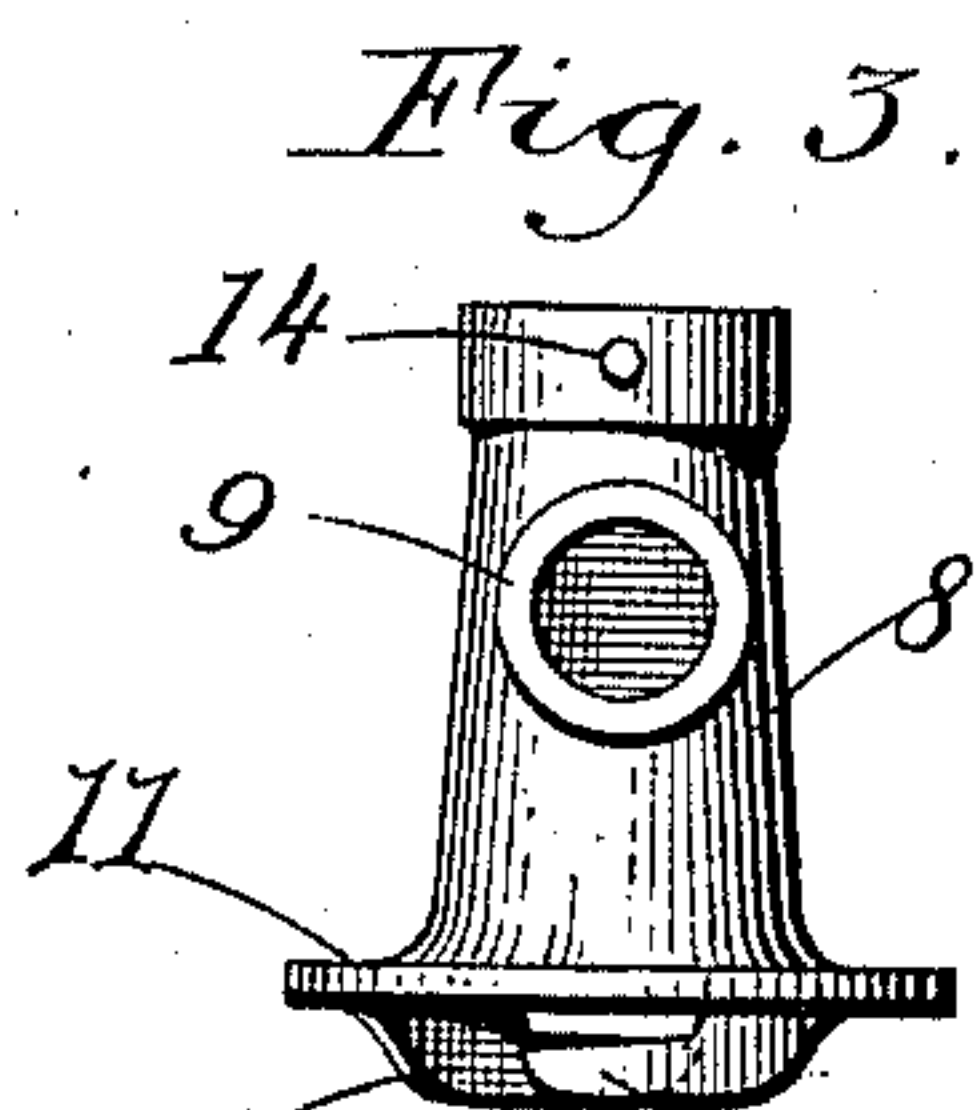
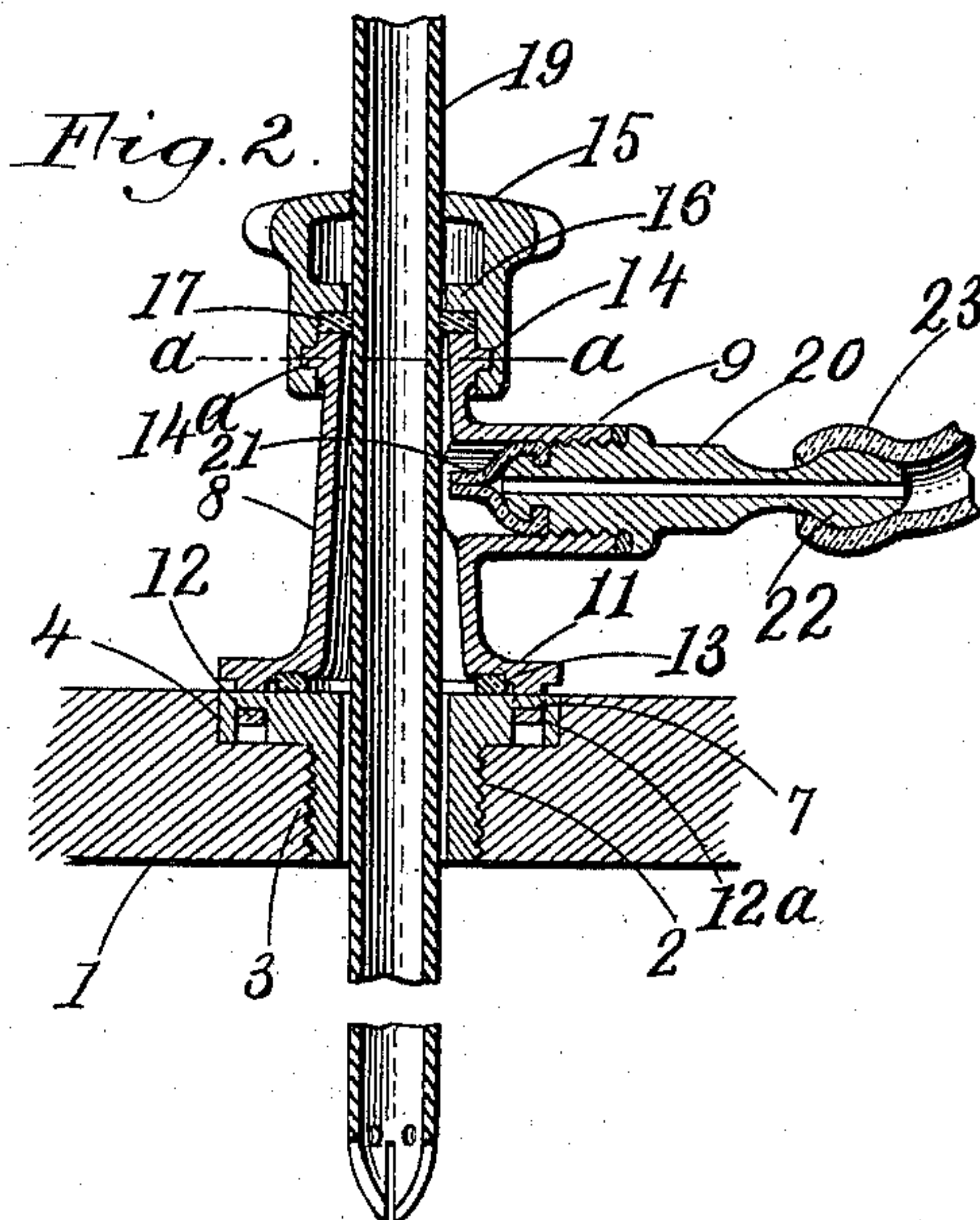
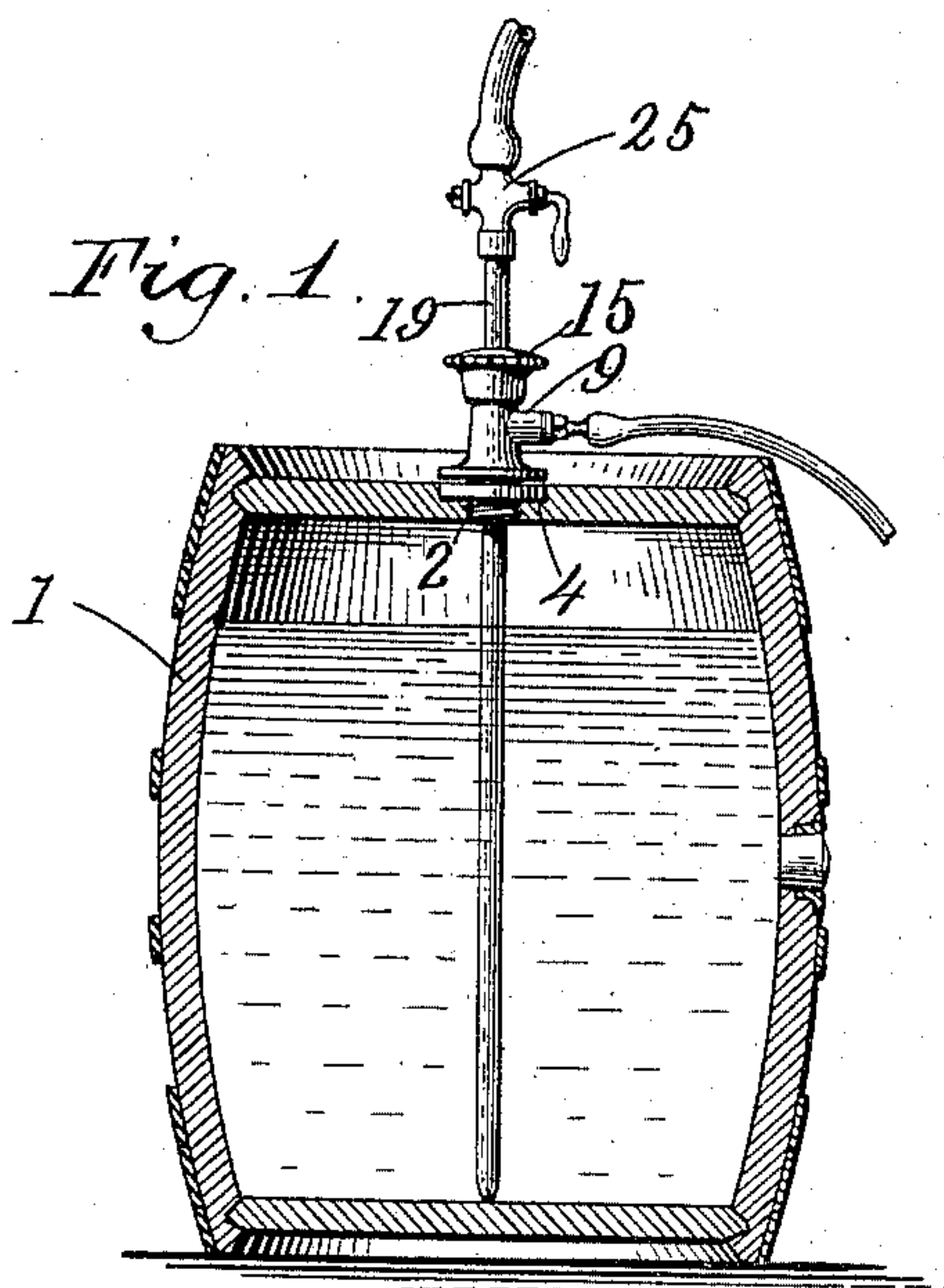


(No Model.)

G. J. HILL.  
BEER TAPPING DEVICE.

No. 584,779.

Patented June 22, 1897.



Witnesses,  
L. M. Spong.  
Bart Lobe

George J. Hill, Inventor.  
By James Sangster Attorney.



# UNITED STATES PATENT OFFICE.

GEORGE J. HILL, OF BUFFALO, NEW YORK, ASSIGNOR, BY MESNE ASSIGNMENTS, TO WILLIAM TENJOST, OF SAME PLACE.

## BEER-TAPPING DEVICE.

SPECIFICATION forming part of Letters Patent No. 584,779, dated June 22, 1897.

Application filed October 4, 1895. Serial No. 564,681. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE J. HILL, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Beer-Tapping Devices, of which the following is a specification.

My invention relates to a new device for tapping beer kegs or barrels without the use of a hammer or in any way injuring the keg or barrel carrying the beer or other liquid, all of which will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a vertical central section through a beer-keg, showing a side elevation of my improved device connected thereto. Fig. 2 represents an enlarged vertical central section through all parts of the device except the stop-cock, showing it attached to a portion of the head of a beer-keg. Fig. 3 represents a detached front elevation of the body or case, showing a side elevation of the two bayonet-catch fastening-hooks at the bottom. Fig. 4 is a top plan view of the same, showing a top view of the nozzle-receiving portion and the fastening-pieces. Fig. 5 is an inverted plan view showing a similar view of the bayonet-catch devices. Fig. 6 represents a detached side elevation of the valve-nozzle, showing the vent-valve and gasket connected with it. Fig. 7 represents an end elevation of the valve-nozzle. Fig. 8 represents a horizontal section on or about line *a a*, Fig. 2. Fig. 9 is a vertical central section through the cap, showing the interior construction of the same. Fig. 10 represents a top plan view of the bung portion of the device, showing the openings through which the bayonet-catch hooks pass and the openings for the escape of dirt. Fig. 11 represents a vertical section on or about line *b b*, Fig. 10, looking in the direction of the arrow *V*, cutting through the bung-flange and through the flange on the body or case, showing one of the bayonet-catch devices nearly locked in position.

The bung is adapted to screw into the head of a beer-keg 1 or other receptacle, the screw portion 2 of the bung, which is hollow, as shown in Fig. 2, being screwed into the

reduced opening 3, made for it, and thereby rigidly secured, and the flange portion 4 of the bung being made to fit down even with the top of the enlarged portion of the opening in the top of the keg. (See Figs. 1 and 2, where this construction is shown.)

In the top of the flanged portion of the bung are two segmental slots or openings 5 and 5<sup>a</sup>, in which the fastening devices pass, as will appear farther on. It is also provided with two other openings 6 and 6<sup>a</sup> for dirt or other obstruction to pass through. The under side of the flange portion and bung is open, so as to leave room for the fastening-hooks to pass in and under the parts 7. (See Fig. 2.)

The case or body 8 is hollow and is provided with a valve-tube-receiving nozzle 9 and at the bottom with a flange portion 11, having on its under side two bayonet-catch hooks 12 and 12<sup>a</sup> and an annular groove 26, within which is seated a rubber gasket 13, the use of which will appear farther on.

At the top the case or body 8 is provided with two pins 14 14<sup>a</sup>, extending outward from each opposite side, and with a removable cover 15, having an opening extending vertically through it and an interior surrounding flange 16, against which is secured a ring of rubber or gasket 17. On each opposite inner side of the cover is a bayonet-catch opening 18, the form of which allows the cap or cover to be put on so that the vertical portion 18<sup>a</sup> of the opening 18 (see Fig. 9) allows the pins 14 14<sup>a</sup> to pass up in as the cap 15 is put on. It is then turned around the inclined portion of the opening, drawing the cover down tightly against the rubber gasket and expanding it tightly around the tubular portion 19, (see Fig. 2,) thereby insuring a water and gas tight joint between the cover and said tube 19.

The valve-nozzle 20 is adapted to screw into the receiving-nozzle 9 and is provided with a well-known rubber valve 21 and with a pointed reduced portion 22, adapted to receive a rubber tube 23, through which air is forced into the beer when required, the valve 21 being so constructed as to allow air to be forced in, but prevents it from coming out, as will be readily understood by reference to Figs. 2, 6, and 7.



The top of the cap 15 is provided with a series of smooth teeth 24, (see Fig. 8,) so that it can be taken in the hand and easily turned around when putting it on or taking it off. It  
5 may be milled or otherwise roughened.

At the top of the tubular portion 19 is a stop-cock 25.

In operating with this device the bung portion is intended to remain in the keg, and the  
10 opening through it is fitted with a cork to keep the beer or other liquid in the keg, the cover being fitted on, also the valve-nozzle, substantially as shown in Fig. 2. The device is then put onto the bung so that the bayonet-catch  
15 hooks pass down into the openings. It is then turned partly around until the hooks catch sufficiently on the slightly-inclined holding portions in the bung-flange and draw it tightly down on the rubber gasket, so as to insure a  
20 tight joint. The tube 19 is then pushed down, as shown in Fig. 2. This operation pushes the cork out of the bung into the keg and allows the beer to flow up into the tube 19 until stopped by the stop-cock 25.

25 The operation is quietly and easily done without the use of a hammer or anything to injure the keg or other receptacle.

I claim as my invention—

In a beer-tapping device, the combination, with a hollow bung, the top of the flanged portion of which is provided with segmental slots and openings intermediate the ends of the slots, a hollow casing or body, the bottom of which is flanged and provided with inclined catches for passing through the slots in the  
30 bung, the interior of the flange of the body being provided with a groove, the upper end of the body being provided with oppositely-located pins, and the intermediate portion being provided with a lateral projection, a  
35 nozzle in the end of the projection, a perforated cap upon the top of the body, the lower end of which is provided with inclined notches for engaging with the pins and the interior is provided with an annular flange, a gasket  
40 between the flange and the top of the body, and a gasket within the recess in the bottom of the flanged portion of the body, substantially as set forth.

GEO. J. HILL.

Witnesses:

JAMES SANGSTER,  
BART LOBEL.