

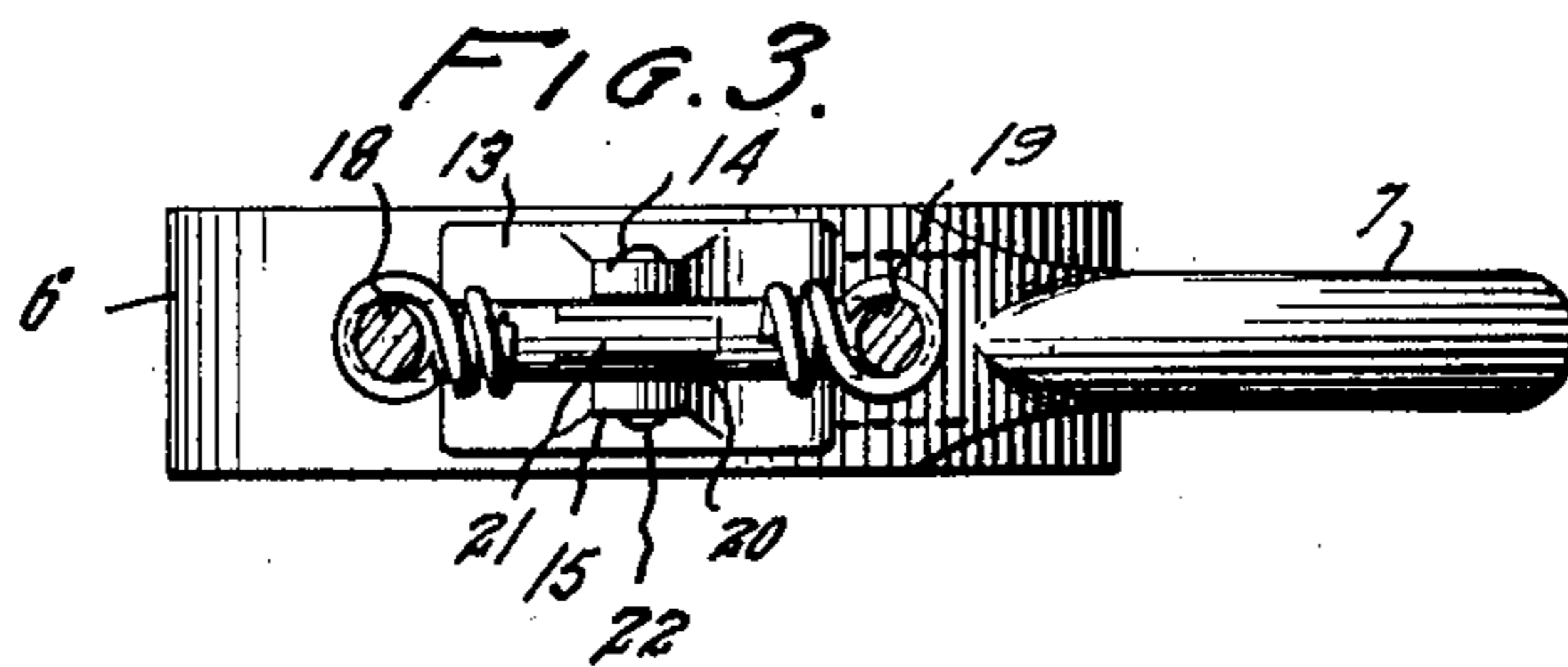
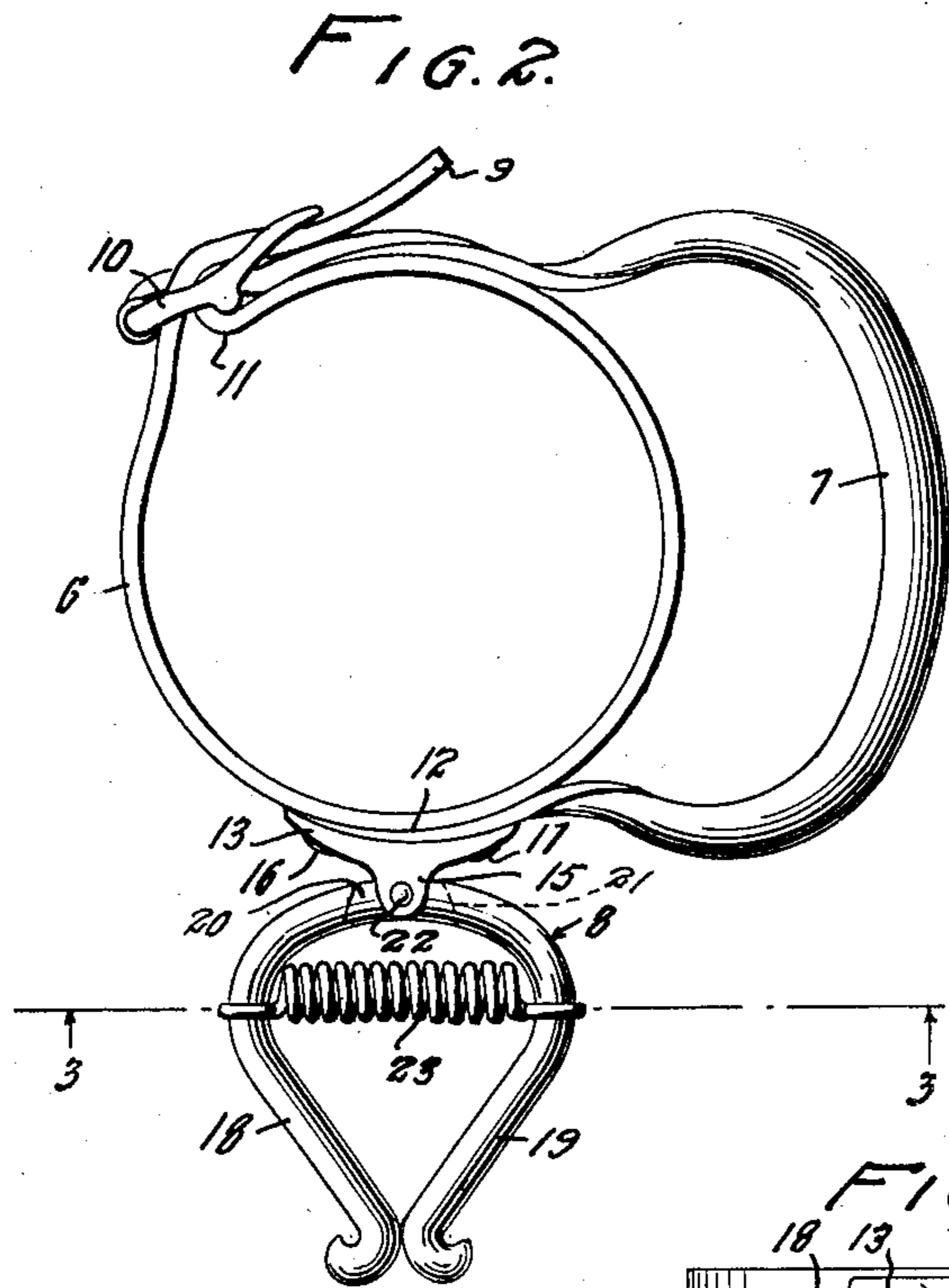
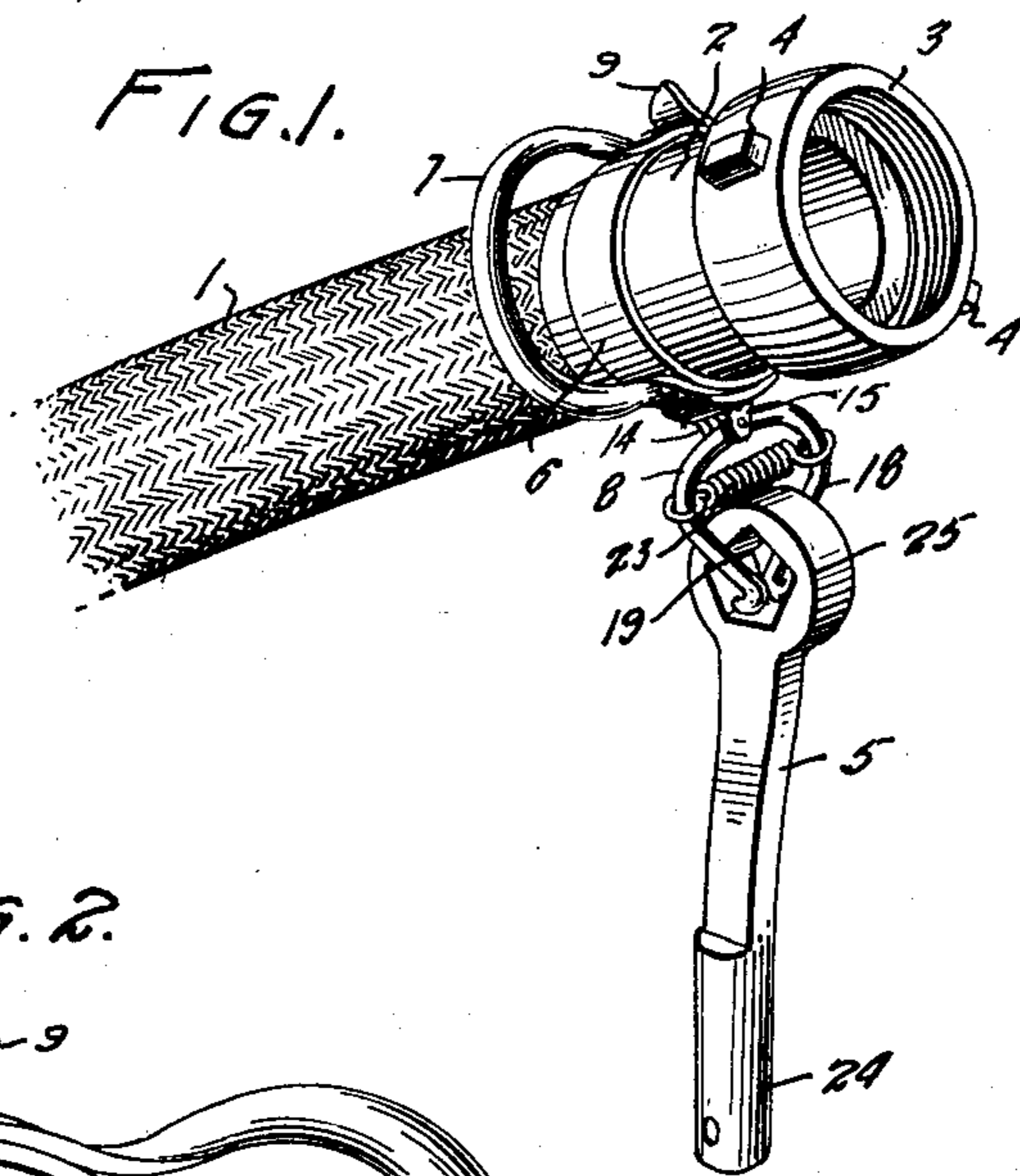
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FIRE HOSE ATTACHMENT

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FIRE HOSE ATTACHMENT

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6 Claims. (Cl. 137—90)

This invention relates in general to carrying devices and more particularly has reference to a wrench and handle attachment for a fire hose.

Previous to this time some difficulty and loss of time has very often been experienced in attaching a fire hose to a hydrant. In common practice the end of the hose for attachment to the hydrant is thrown off a truck at the hydrant when the truck proceeds to the ultimate destination at the other end of the hose.

In the present arrangement a wrench for unscrewing the cap on the hydrant to aid in attaching the hose and to unscrew the hydrant valve is usually strapped on the end of the hose, although, of course, it may be carried by the firemen delegated to perform the attaching operation. The wrench is usually strapped on the end of the hose, however, as it is heavy and unwieldy to carry.

It will be appreciated from the foregoing that the operation of attaching a fire hose to a hydrant as it is now performed, makes way for inefficiency due to the loss of time usually necessary to unbuckle the strap holding the wrench on the hose and to hold the hose at the hydrant so that it may be unwound from a truck moving away.

To accomplish this last, it is sometimes customary to take a hitch in the hose around the hydrant. This results in the loss of time in not only the hitching operation but also in the unhitching operation which is necessary after the hose is unwound before it can be attached to the hydrant.

I propose to overcome these difficulties attending the carrying of a wrench on the end of a fire hose and to facilitate its attachment to a hydrant in the provision of an attachment for carrying the end of the hose and having a clip for carrying a wrench from which the wrench may be readily removed.

An object of this invention is to provide a handle for holding the end of a fire hose for attachment to a hydrant.

Another object of this invention is to provide an attachment for holding a wrench for unscrewing the cap on the hydrant, aiding in the coupling of the end of the hose to the hydrant in the unscrewing of the valve thereof, which may be readily removed.

A further object of this invention is to provide an attachment for a fire hose having a handle for holding the end of the hose at a hydrant and a clip for carrying a wrench for operating the hydrant, readily removable therefrom.

With these and other objects in view, which may be incident to my improvements, the invention consists in the parts and combinations to be hereinafter set forth and claimed, with the understanding that the several necessary elements comprising my invention may be varied in construction, proportions and arrangement without departing from the spirit and scope of the appended claims.

In order to make my invention more clearly understood, I have shown in the accompanying drawing, means for carrying the same into practical effect without limiting the improvements in their useful applications to the particular constructions, which for the purpose of explanation have been made the subject of illustration.

In the drawing forming a part of the specification:—

Figure 1 is a perspective view of my novel attachment shown connected on the end of a fire hose with a wrench held in the novel clip thereon;

Figure 2 is a front view of the attachment;

Figure 3 is a bottom view taken on line 3—3 of Figure 2.

In Figure 1 there will be observed, more especially with reference to the numerals thereon, the end of a conventional fire hose 1, provided with the usual coupling comprising a ring 2 fixed on the end of the hose carrying an internally threaded rotatable collar 3 with projections 4 provided on the periphery thereof which facilitates screwing the collar on a hydrant, for example with the aid of a wrench 5 or other tool.

I propose, as has already been stated, to provide an attachment for securing on the end of the hose, or more particularly, the fixed ring 2 on the end thereof, consisting of a strap 6 encircling the end piece with a handle 7 provided thereon and also a clip 8 for securing the wrench 5, readily removable therefrom.

The attachment is better shown in Figure 2, comprising the strap 6, which may be composed of leather or any other suitable material, which terminates at one end as at 9, for extending through a conventional buckle 10. The other end of the strap 6 is turned over at the buckle and secured over the end of the handle 7 or it may be extended to provide the handle 7, the other end of which is secured on the mid-portion of the strap, as at 12. The edges of the portion forming the handle may be sewn together so as to provide a rounded handle as illustrated, if it is desired. It will be seen that if the strap 6 is extended to provide the handle, the construction

is considerably reinforced by reason of the integral nature of one end of the strap with the handle, it being only necessary to fix the other end of the handle to the strap which may be accomplished by sewing or riveting or both. Similarly, if the end of the handle adjacent the buckle does not form an integral part of the strap, it may be sewn or riveted to the strap, or both.

The clip 8, as already observed, is adapted to be mounted on the strap 6. The clip comprises a plate 13 bent to conform with the curvature of the strap in conformity with the periphery of the fire hose and is formed with integral ears 14 and 15. I preferably attach the plate to the end of the handle 7 where it is connected to the strap 6 through the intermediacy of rivets 16 and 17. These, besides providing for the mounting for the plate, reinforce the connection between the end of the handle and the strap and the overlap of the handle and strap further provide for the secure mounting of the plate.

A pair of curved arms 18 and 19 bent outwardly at the ends comprise the clip. One of these arms is provided with a transverse notch 20, as shown in Figure 3, in which an extension 21 formed on the adjacent end of the other arm is adapted to be fitted, and the ends of the arms pivoted between the ears 14 and 15 by a pin 22. The opposite ends of the arms 18 and 19 are adapted to be held together under the tension of a helical spring 23 connected to each of the arms at their point of curvature. It will be apparent that different size spring members 23 may be substituted to compensate for different size weights and tensions for different types, sizes and weights of various conventional wrenches.

The wrench 5 is adapted to be held by the clip 8, as already stated. The wrench is formed with a handle 24 and a socket eye 25 for engaging the projections on the cap and valve of a hydrant. For fixing the wrench in the clip, the arms 18 and 19 are merely pulled apart against the tension of the spring 23 and one of the arms inserted in the eye of the wrench, the entrance of which is facilitated by the outwardly bent portions on the arms, when they are allowed to come together to hold the wrench therein by the tension of the spring.

The use of my novel attachment will be readily understood from the foregoing description. The strap 6 is adapted to be secured on the end of the fire hose, as shown in Figure 1, so that when a truck draws up to a hydrant it is only necessary for the fireman in charge of the operation to grasp the handle 7 and step off the truck with the end of the hose, when the truck may move on to the point where the other end of the hose is adapted to be used. The handle 7 provides for holding the end of the hose at the hydrant so that the hose may be unwound by movement of the truck without the necessity of firemen taking a hitch in the hose around the hydrant or using any other expedient than the handle to keep the end of the hose at the hydrant.

The wrench 5 for unscrewing the cap on the hydrant is, of course, held in the clip 8 on the end of the hose. While still holding up the hose by the handle 7, the fireman may employ his other hand to grasp the wrench and pull it in a single rapid operation out of the clip against the tension of the spring 23 and unscrew the cap on the hydrant when the end of the hose is in position for ready coupling thereon with the aid of the wrench on the projections 4 provided

on the ring 3, if desired. The wrench is adapted to be further employed for unscrewing the valve on the hydrant when it is desired to turn on the water. When it is desired to detach the hose from the hydrant, after this has been accomplished with the aid of the wrench, the wrench may be easily re-attached to the clip, as already described, by drawing arms 18 and 19 apart so that it is conveniently attached to the hose against loss. The handle 7 on the attachment also provides for an easy handling of the end of the hose for the rewinding operation.

There is accomplished by this invention an attachment for the end of the fire hose provided with a handle to facilitate holding of the hose at a hydrant when unwinding the hose from the truck and for supporting the hose for attachment to the hydrant carrying a clip for supporting a wrench which may be readily removed therefrom in a single operation to operate the hydrant and re-attached when use is no longer required, the handle on the attachment also providing for facilitating the handling of the hose in the rewinding operation.

While I have shown and described the preferred embodiment of my invention, I wish it to be understood that I do not confine myself to the precise details of construction herein set forth by way of illustration, as it is apparent that many changes and variations may be made therein by those skilled in the art, without departing from the spirit of the invention or exceeding the scope of the appended claims.

I claim:

1. A fire hose attachment comprising means to secure a handle on the hose adjacent the end thereof for attachment to a hydrant, and spring actuated metallic means carried by the handle securing means for detachably securing a hydrant wrench.

2. A fire hose attachment comprising means to secure a handle on the hose adjacent the end thereof for attachment to a hydrant, and spring clip carried by the handle securing means for securing a hydrant wrench detachable by pulling thereon.

3. A fire hose attachment comprising a strap for securing around the hose adjacent the end for attachment to a hydrant, and a metallic tension securing means mounted on the strap for detachably securing a hydrant wrench.

4. A fire hose attachment comprising a strap for securing around the hose adjacent the end for attachment to a hydrant, and a pair of bent arms pivoted on the strap having the outer ends in juxtaposed relation for detachably securing a hydrant wrench.

5. A fire hose attachment comprising a strap for securing around the hose adjacent the end for attachment to a hydrant, and a pair of bent arms pivoted on the strap with the outer ends in juxtaposed relation and connected by spring tension for detachably securing a hydrant wrench.

6. A fire hose attachment comprising a strap for securing around the hose adjacent the end for attachment to a hydrant, a handle on the strap, a plate having spaced ears formed thereon attached to the strap, and a pair of bent arms connected by a helical spring pivoted between the ears with the outer ends in juxtaposed relation for receiving a hydrant wrench movable by pulling from between the arms against the tension of the spring.

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