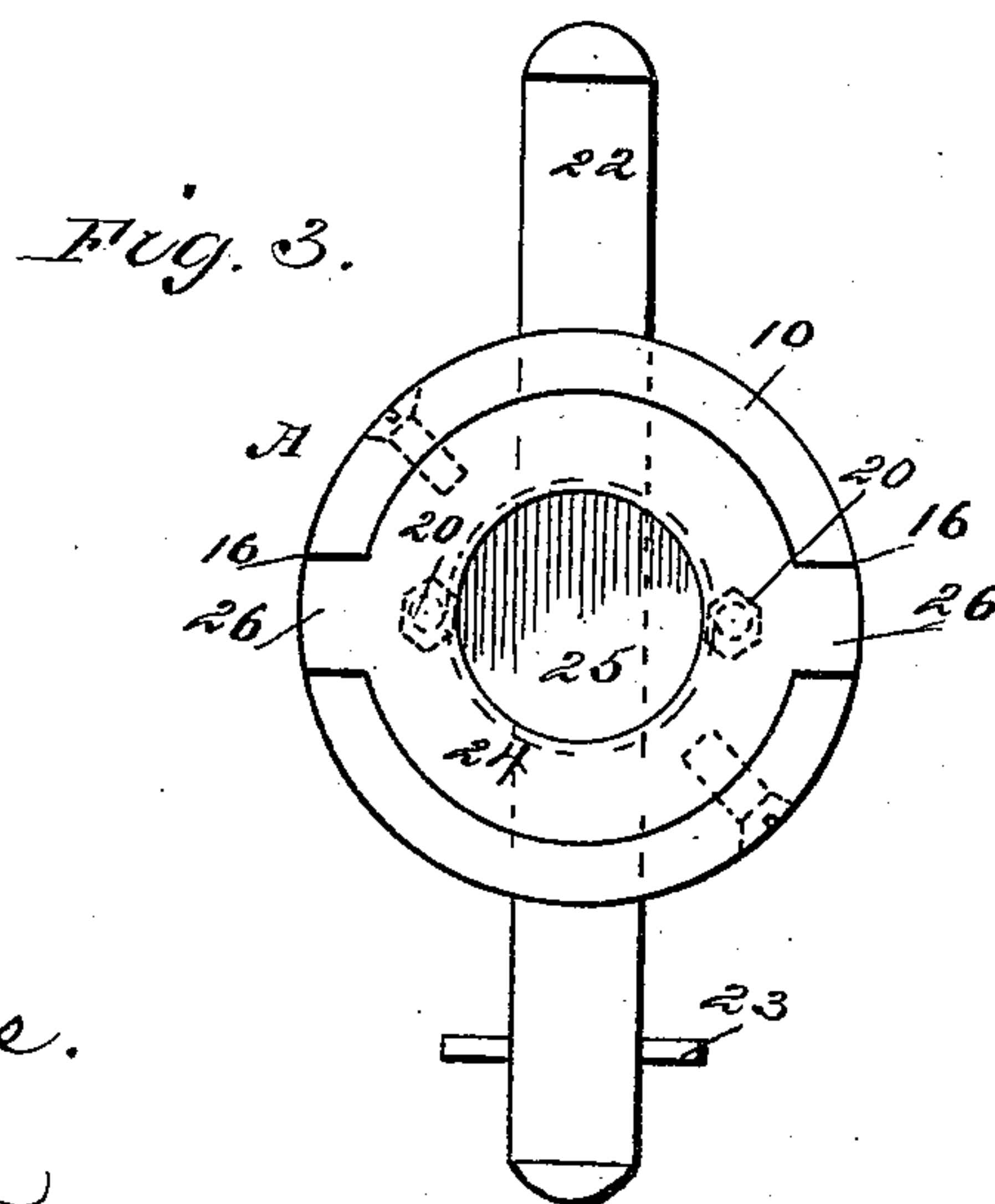
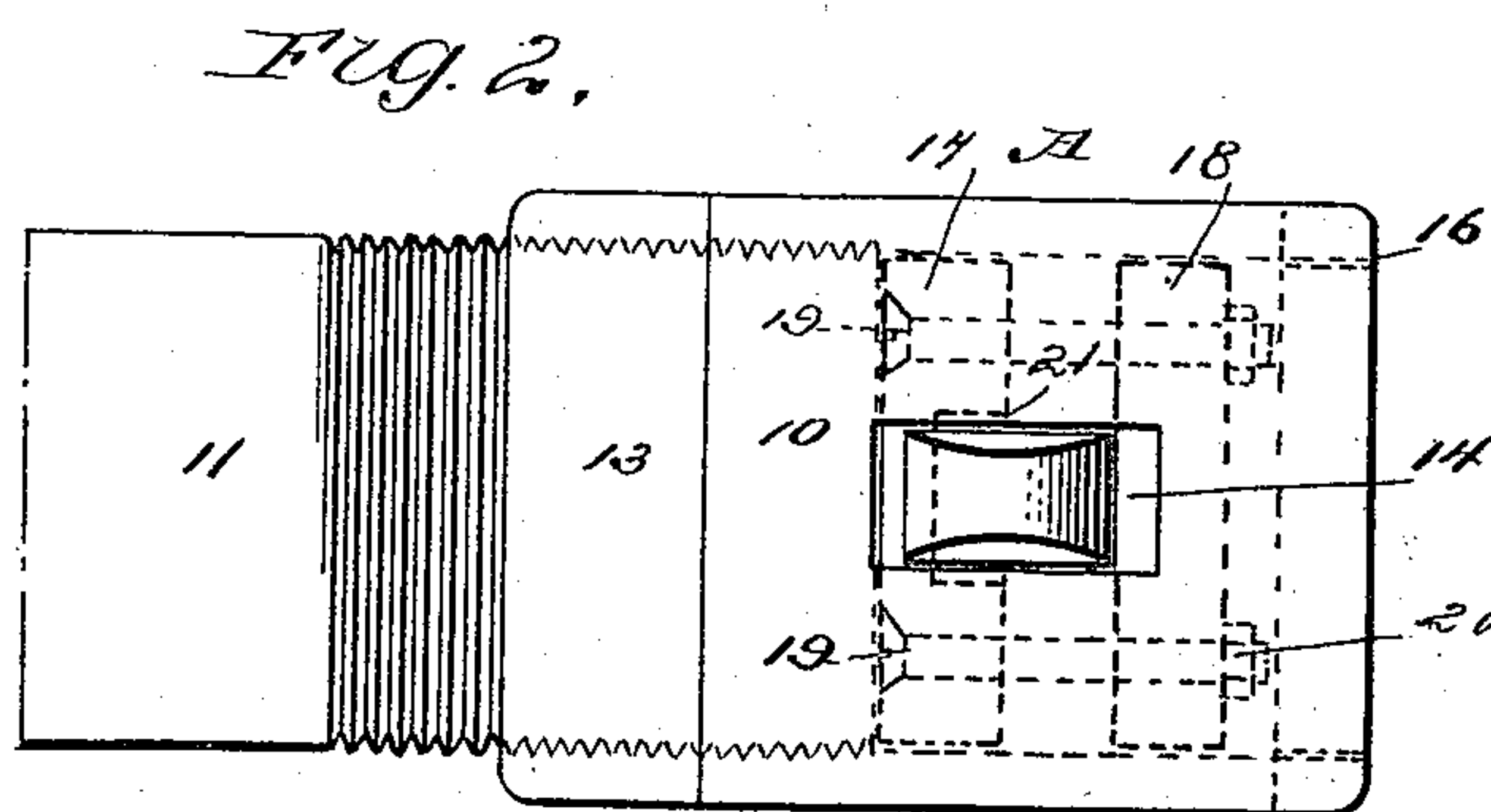
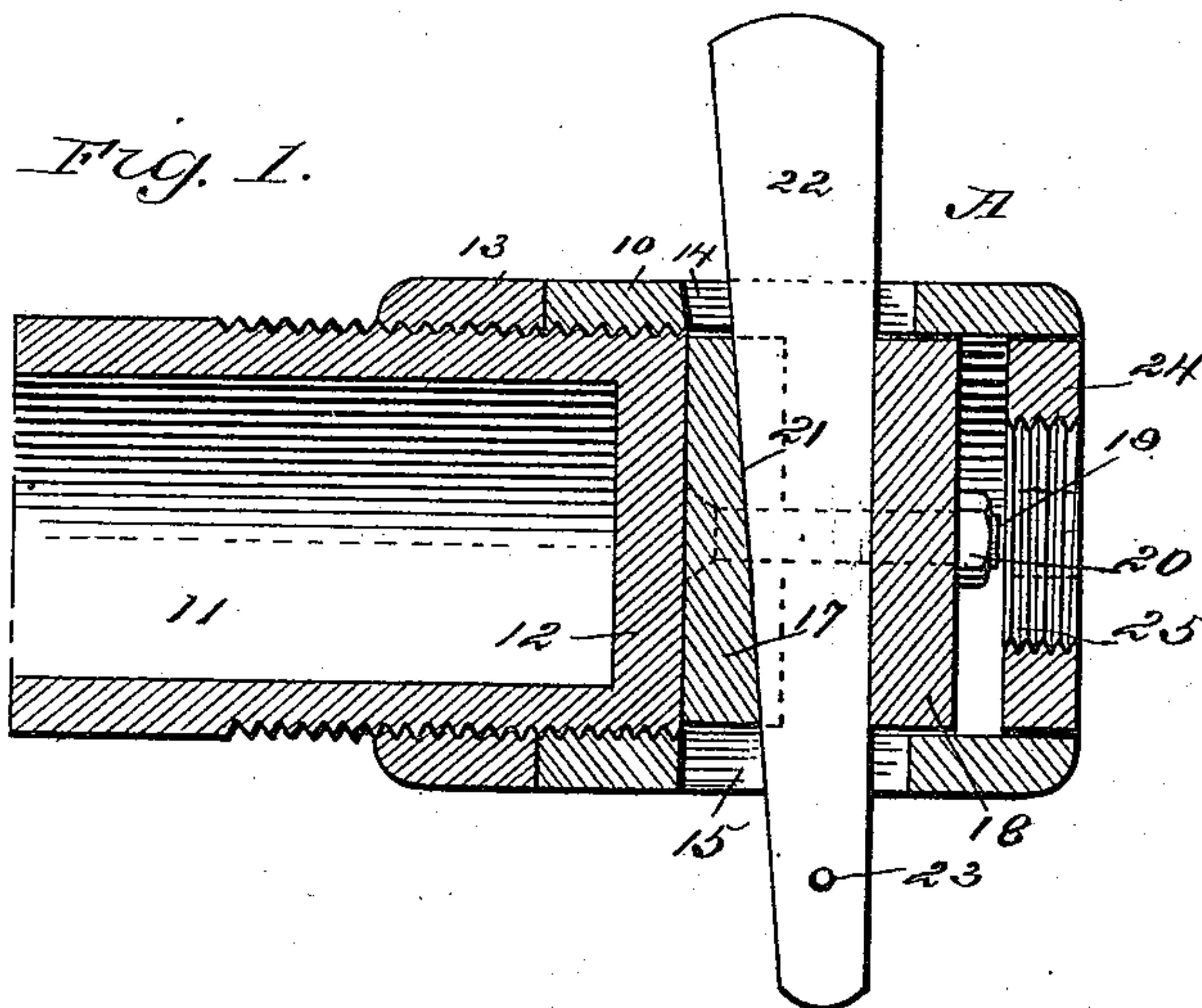


(No Model.)

D. A. HOLLAND.
NIPPLE HOLDER.

No. 441,007.

Patented Nov. 18, 1890.



WITNESSES:

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UNITED STATES PATENT OFFICE.

DANIEL A. HOLLAND, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF
AND THOMAS F. BISHOP, OF SAME PLACE.

NIPPLE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 441,007, dated November 18, 1890.

Application filed April 3, 1890. Serial No. 346,409. (No model.)

To all whom it may concern:

Be it known that I, DANIEL A. HOLLAND, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and Improved Nipple-Holder, of which the following is a full, clear, and exact description.

My invention relates to an improvement in nipple-holders, and has for its object to provide a means whereby the section of pipe from which the nipple is to be cut may be firmly held to place while the completion of the nipple is being effected.

A further object of the invention is to so construct the device that the nipple when finished may be conveniently removed in perfect shape.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in all the views.

Figure 1 is a central longitudinal section through the device. Fig. 2 is a plan view of the same, and Fig. 3 is a front elevation.

In carrying out the invention the head A consists of a tubular body 10, interiorly threaded on its inner end to screw upon the exteriorly-threaded end of a supporting-stem 11, which may be solid or tubular, and when tubular the end extending into the head is closed by an attached or integral cap 12. The head is provided with a lock-nut 13, also screwed upon the stem, and the threaded surface of the stem is of such length that the head may be manipulated therein to receive a nipple having long or short threaded extremities. The body is provided with a slot 14 in its upper face a comparatively short distance from its forward end, extending through to the interior, and a diametrically-aligning similar, but preferably shorter, slot 15 in its under face, and in opposite sides of its forward or outer end aligning recesses 16 are produced.

Within the body, in front of the cap 12 of the stem, two loosely-fitting disks 17 and 18 are introduced, which disks are preferably connected by bolts 19, located at opposite

sides of the center, and provided with nuts 20 outside of the outer disk, as shown in Figs. 1 and 3, the heads of the bolts being counter-sunk in the inner face of the inner disk. The apertures through which the bolts pass are of sufficient size to permit of the free movement of the disks on the bolts. In the forward or outer face of the inner disk a central vertical channel 21 is cut, the base-wall of which is beveled or inclined from the top outwardly to the bottom, as illustrated in Fig. 1.

A wedge-shaped key 22 is employed in connection with the head, which key is passed through the upper head-slot, the channel in the inner disk, and likewise the lower head-slot, and the key is of sufficient length to project beyond the top and bottom of the head, being provided near its lower end with a transverse pin 23 to prevent it being drawn entirely from its seat.

Within the forward or outer end of the body of the head a chuck-plate 24 is fitted, provided with a central threaded opening 25, adapted to receive one threaded end of the nipple, and with opposed peripheral lugs 26, which, when the plate is placed in position, fit neatly into the side recesses 16 of the body, as shown in Fig. 3, whereby the plate is prevented from turning, and the danger of the plate falling from the head is avoided by passing through the head into the plate preferably two screws or pins 27, likewise illustrated in Fig. 3. A number of chuck-plates are used in connection with the head, each provided with a central thread opening of different diameter to accommodate pipe of different sizes.

In operation, a proper chuck-plate having been inserted in the head and the head having been adjusted upon the stem to take the proposed length of the nipple-thread, the threaded end of the pipe from which the nipple is to be made is screwed into the chuck-plate until the inner end contacts with the outer face of the outer disk 18, and when this occurs the key is driven down, and the said disk 18 is forced to such a firm and positive contact with the pipe that the latter is effectually prevented from turning while the length of the nipple is being cut off and the outer end threaded. When the nipple is completed, the key is driven up and the nipple thereby released from the pressure of the disk

18, which enables the operator to readily remove the nipple from the head in perfect shape.

5 Having thus described my invention, I claim as new and desire to secure by Letters Patent—

10 1. In a nipple-holder, the combination, with a stem, of a head screwed upon the stem, consisting of a tubular body provided with an upper and lower slot, disks loosely fitted in the body, a wedge-key adapted to pass through the body-openings between and in contact with the disks, and a chuck-plate attached to said head, substantially as specified.

15 2. In a nipple-holder, the combination, with a stem, of a head screwed upon the stem, consisting of a tubular body provided with an upper and lower opening, and two adjustably-connected disks loosely fitted in the
20 body, the face of one disk being provided with an inclined channel, a wedge-shaped key

adapted to pass through the body-openings between the disks and through the channel thereof, and a detachable chuck-plate fitted in the outer end of the body, substantially as
25 specified.

3. In a nipple-holder, the combination, with a stem provided with a closed outer end and a head screwed upon the stem, consisting of a tubular body provided with an upper and
30 lower opening and side recesses, and adjustably-connected disks loosely fitted in the body, one of which is provided with an inclined channeled face, of a wedge-key adapted to pass through the head-openings and between
35 the disks, and a chuck-plate having peripheral lugs capable of fitting in the head-recesses, substantially as specified.

DANIEL A. HOLLAND.

Witnesses:

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