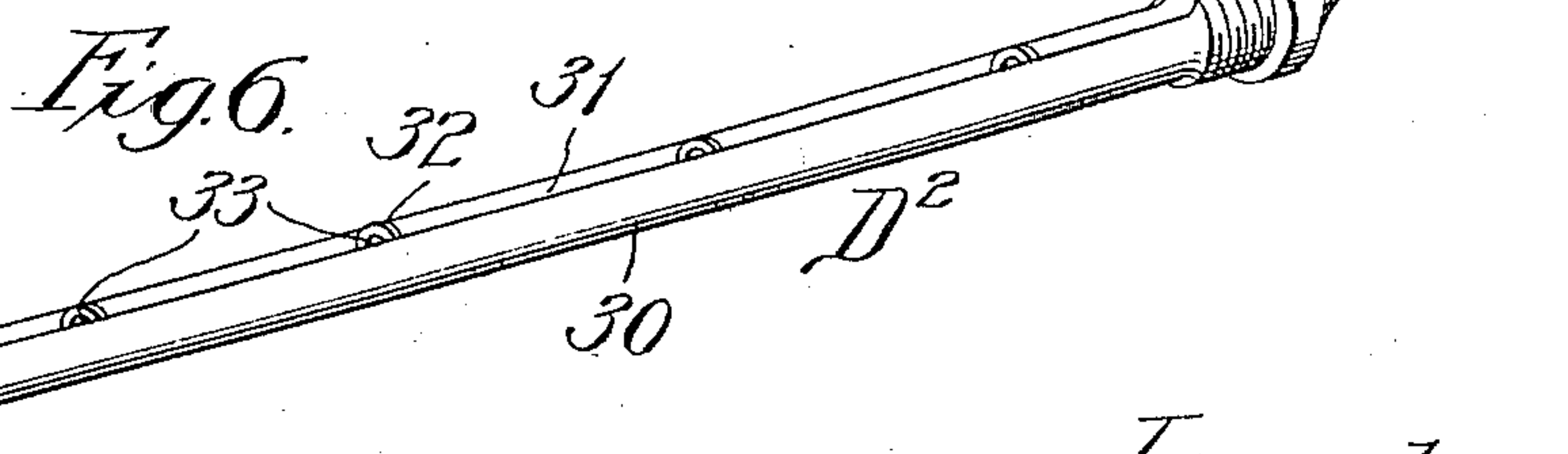
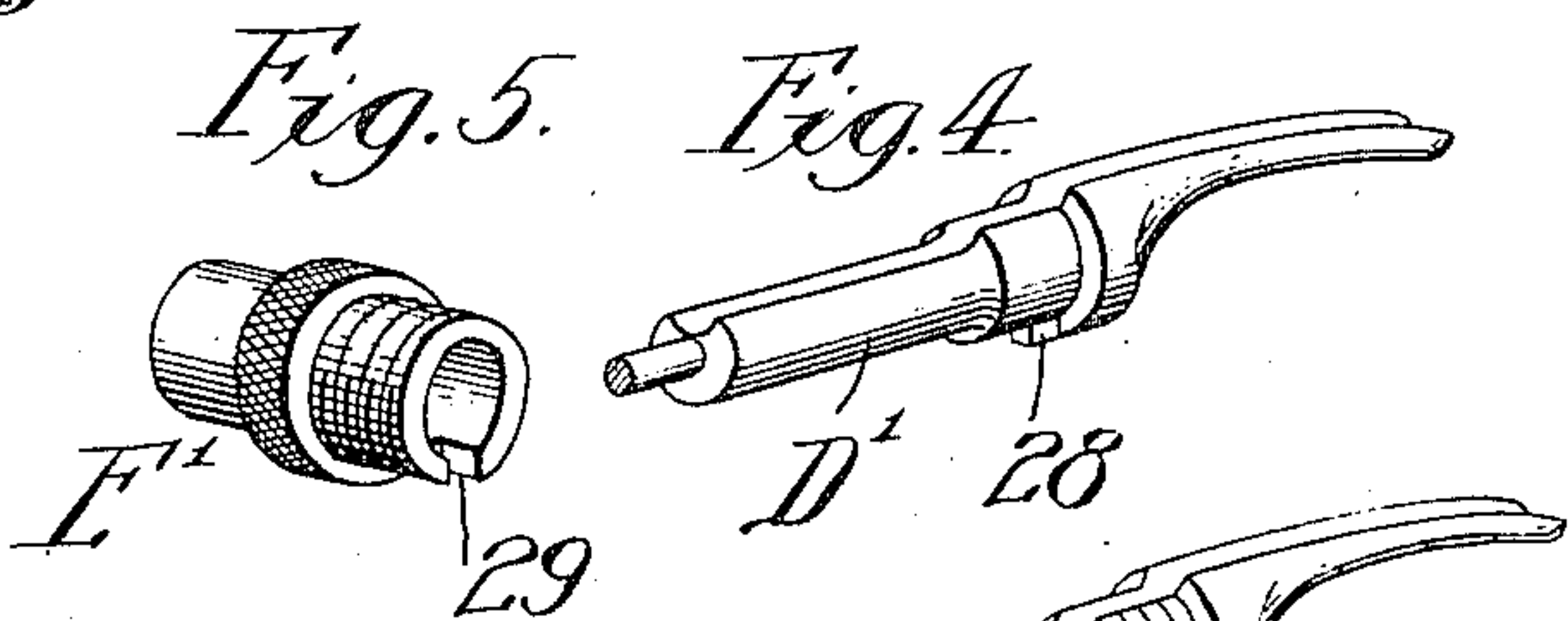
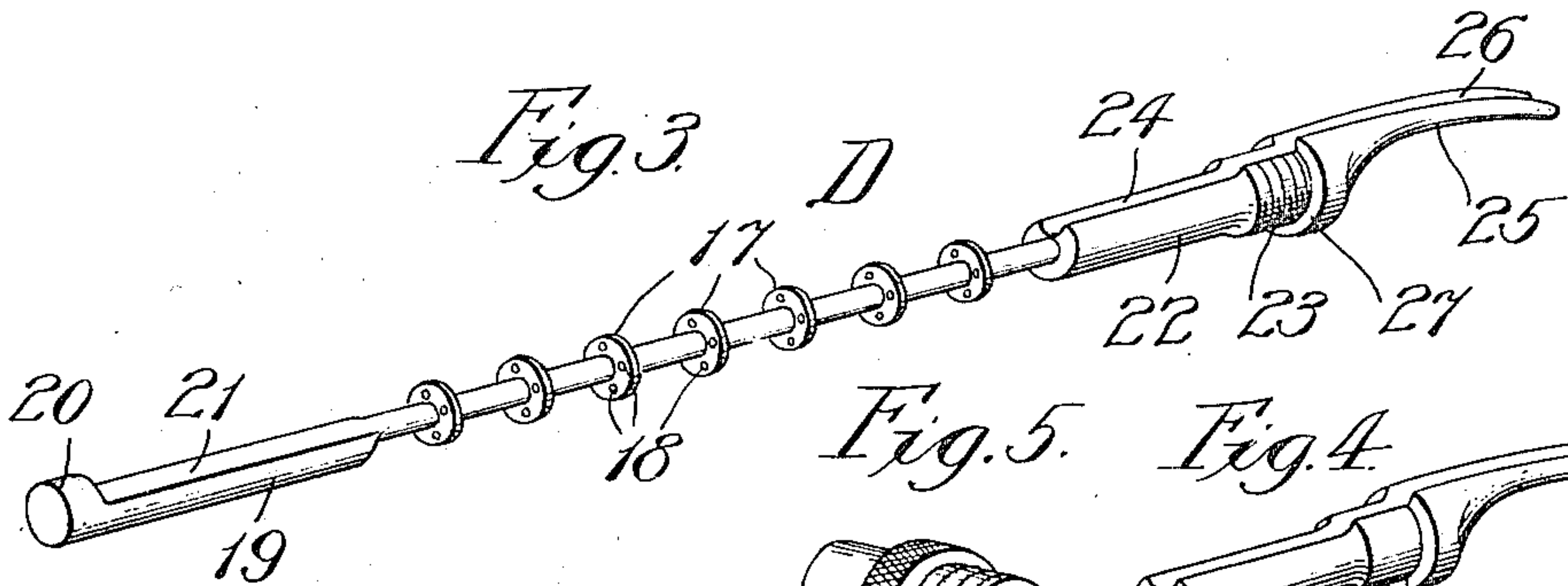
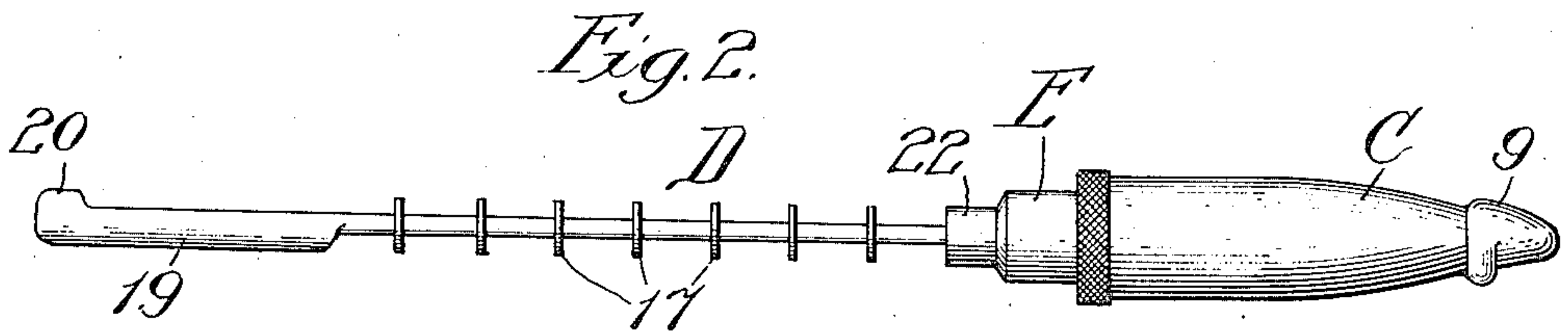
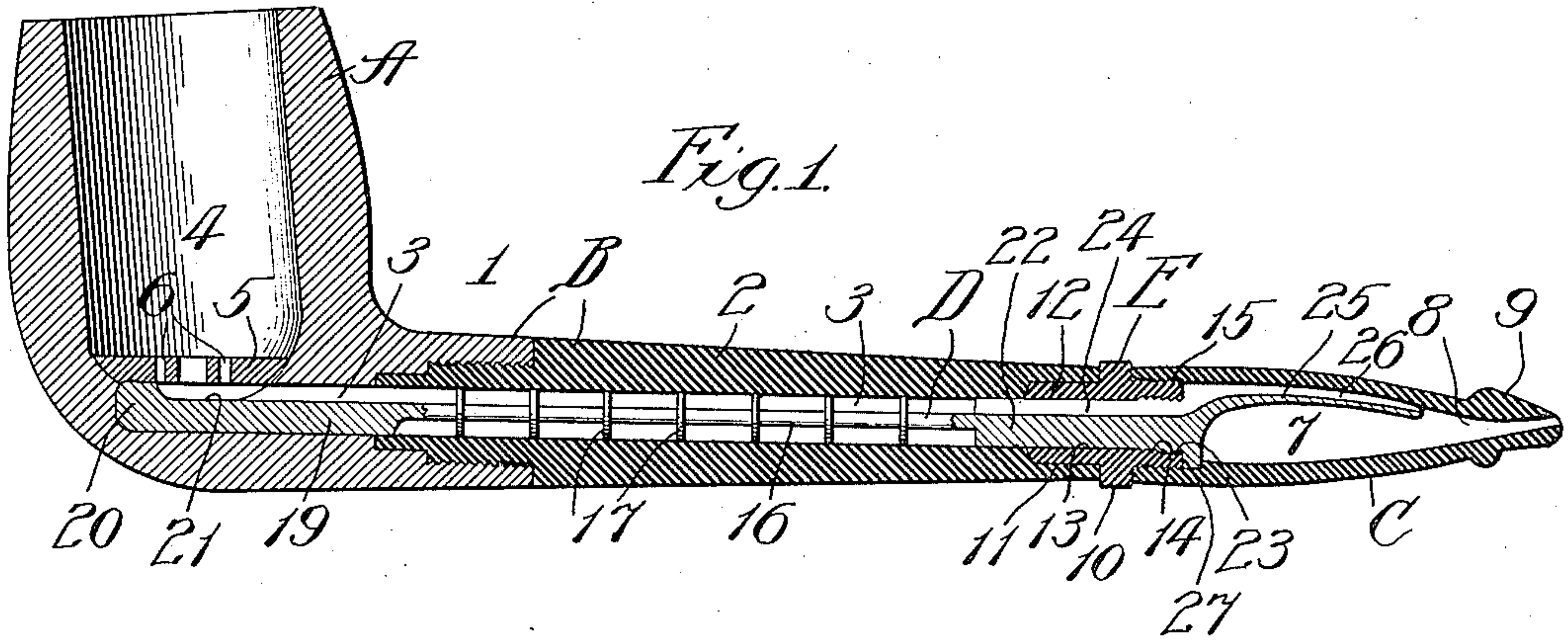


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 PIPE, CIGAR HOLDER, &c.
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UNITED STATES PATENT OFFICE.

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PIPE, CIGAR-HOLDER, &c.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN R. PERRY, 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 Pipes, Cigar-Holders, &c., of which the following is a specification.

My invention relates particularly to means for separating nicotin from tobacco smoke in pipes, cigar holders, etc.; and my primary object is to provide a stem-construction which will enable the above indicated object to be attained, said construction being capable of being cheaply manufactured and also being readily cleanable.

The invention is illustrated in its preferred embodiment in the accompanying drawing, in which—

Figure 1 represents a sectional view of a straight-stem pipe constructed in accordance with my improvements; Fig. 2, a side elevational view of the mouth-piece and nicotin-collector connected therewith, removed from the stem of the pipe; Fig. 3, a perspective view of the nicotin-collector employed according to the construction shown in Figs. 1 and 2; Fig. 4, a broken perspective view showing a slight modification of the nicotin-collector; Fig. 5, a perspective view showing a modification of the tubular nipple or connecting member employed in connection with the device shown in Fig. 4; and Fig. 6, a perspective view illustrating another modification of the nicotin-collector.

Referring to Figs. 1 to 3 inclusive, A represents a pipe-bowl; B, a stem connected with said bowl; C, a mouth-piece; D, a nicotin-collector; and E, a tubular nipple or connecting member. The stem B, in the construction illustrated in Fig. 1, comprises a short section 1 formed integrally with the base of the bowl, and a removable section 2 connected with the section 1. The stem is formed with a comparatively large, straight, smooth bore 3 which extends beneath the bottom of the chamber 4 of the bowl. The bowl is shown provided with a removable bottom 5 having perforations 6 therethrough which communicate with the bore 3. The mouth-piece C is formed with a comparatively large chamber 7 therein, the mouth-piece and chamber being of circular cross-section. The chamber has leading therefrom a smoke-passage 8 which extends through the flattened tip 9 of the mouth-piece. The member

E is of cylindrical form, being equipped externally near its central portion with a flange 10. The bore 3 of the stem is enlarged, as indicated at 11, to receive the portion 12 of the tubular nipple E, the parts having slip-joint connection. The nipple E has a bore 13 therethrough which is provided at its outer end with threads 14. The outer end of the nipple is provided externally with threads 15, and the inner end of the mouth-piece is internally threaded to connect therewith. The nicotin-collector D preferably comprises a rod 16 equipped with a plurality of disks 17 having small perforations or smoke-passages 18 therethrough; an extension 19 at the inner end of said rod which projects beneath the chamber 4 of the bowl of the pipe and has its inner end equipped with an imperforate disk 20 which conforms to the cross-section of the bore 3, the upper portion of the member 19 being cut away, as indicated at 21, thereby forming a chamber, or pan, beneath the pipe-bowl; a shank 22 which extends through the tubular nipple E and has its outer portion threaded as indicated at 23 and connected with the internal thread of the nipple E, said shank 22 having a longitudinal groove 24 cut in its upper surface and affording a smoke-passage; and a saliva-separator, or deflector, 25 projecting from the upper portion of the outer end of the shank 22 into the chamber 7 of the mouth-piece, and having its upper surface provided with a groove 26 which forms a continuation of the groove 24 and affords an outlet for the smoke into the mouth-piece. At the base of the member 25 is a shoulder 27 which abuts against the outer end of the nipple E. The member 25 is curved somewhat lengthwise, so as to conform to the upper wall of the mouth-piece. The device D is preferably formed integrally, as shown.

In the use of the device, the smoke passes through the minute perforations 18 of the disks of the nicotin-collector, and the nicotin is deposited on the collector. Owing to the relation of the mouth-piece to the device 25, it is impossible for saliva to pass through the smoke-passage 26 and enter the bore 3 of the pipe-stem and thus reach the bowl of the pipe. Any saliva which may enter the mouth-piece through the passage 8 will be held in the chamber 7 beneath the projection 25. When desired, the mouth-piece may be

withdrawn from the stem, thereby withdrawing the nicotin-collector, the disks on the nicotin-collector serving, in this withdrawing action, to scrape the walls of the bore 3. After the withdrawal, the parts are in the condition represented in Fig. 2, and the nicotin-collector may be cleansed. If desired, the mouth-piece may be unscrewed from the nipple E and the nipple may be unscrewed from the shank 22 of the nicotin-collector, enabling the passages 24 and 26 to be cleansed. When the nicotin-collector and mouth-piece are joined together in the condition shown in Fig. 2, the nicotin-collector may be wiped while the device is held through the medium of the mouth-piece, rendering the operation a cleanly one. The connection between the mouth-piece and nicotin-collector is such as to prevent rotation of the nicotin-collector with relation to the mouth-piece during the operation of wiping the nicotin-collector by circular motion.

In the construction illustrated in Figs. 4 and 5, D¹ represents a modified form of nicotin-collector; and E¹ a modified form of nipple. In this form, the shank of the nicotin-collector has slip-joint connection with the nipple, the threads being dispensed with, and the shank being provided with a lug 28 adapted to enter a notch 29 with which the outer end of the nipple E¹ is provided, this provision serving to prevent rotation of the nicotin-collector with relation to the mouth-piece during the operation of wiping the nicotin-collector. The mouth-piece is connected with the nipple E¹ in the same manner as illustrated in Fig. 1, the outer end of the nipple E¹ being threaded externally and the adjacent end of the mouth-piece being threaded internally.

In the construction illustrated in Fig. 6, D² represents a modified form of nicotin-collector. In this construction, the nicotin-collector takes the form of a rod 30 provided in its upper surface with a longitudinal groove 31 in which are located disk-segments 32 provided with smoke perforations 33. At the inner end of the rod is a complete section or disk 34 which corresponds with the disk 20 of the construction shown in Figs. 1, 2 and 3. In the construction shown in Fig. 6, the connection between the nicotin-collector and the mouth-piece is the same as that shown in Fig. 1.

Obviously, the operation of the modified constructions shown in Figs. 4 and 6 is similar to that of the construction shown in Figs. 1, 2 and 3. In the construction shown in Fig. 6, however, more nicotin would be allowed to pass through the mouth-piece than in the construction shown in Figs. 1, 2 and 3. In each construction, provision is made against passage of saliva into the bore of the pipe-stem; and in each construction, provi-

sion is made for scraping out or cleansing the bore of the pipe-stem in the operation of withdrawing the mouth-piece and the nicotin-collector connected therewith.

The foregoing detailed description has been given for clearness of understanding only, and no undue limitation should be understood therefrom.

What I regard as new, and desire to secure by Letters Patent, is—

1. In a device of the character set forth, the combination of a stem formed with a straight, smooth bore therein, a mouth-piece, a tubular nipple connecting said stem and mouth-piece, and a nicotin-collector equipped with disks contacting with the walls of said bore and provided with smoke-passages, said nicotin-collector having a shank extending through said nipple which is shouldered to effect withdrawal of the nicotin-collector when the nipple is withdrawn, said nipple having a bore of sufficient diameter to permit it to be slipped over said disks in assembling or separating the parts.

2. A pipe comprising a bowl, a stem connected with said bowl provided with a straight, smooth bore, a mouth-piece, a tubular nipple connecting said mouth-piece and stem, a nicotin-collector in said bore equipped with perforate disks contacting with the walls of said bore and equipped with an extension located beneath the pipe-bowl, said nicotin-collector having a shank extending through said nipple, and a saliva-deflector in the upper portion of said mouth-piece carried by the stem of said nicotin-collector and having a smoke-passage communicating with the bore of said stem.

3. A pipe comprising a bowl, a stem connected with said bowl provided with a straight bore, a mouth-piece having a chamber therein, a tubular nipple connecting said mouth-piece and stem, and a nicotin-collector in said bore having a shank extending through said nipple and equipped with a saliva-deflector having a smoke-passage located adjacent to the upper wall of the chamber in said mouth-piece and communicating with the bore in said stem, said smoke-passage having an offset in its course.

4. A pipe comprising a bowl, a stem connected with said bowl provided with a straight bore, a mouth-piece provided with a chamber, a nipple connecting said mouth-piece and stem, said nipple having screw-connection with the mouth-piece, and a nicotin-collector in said bore having a shank extending through said nipple and carrying a saliva-deflector in said mouth-piece, said saliva-deflector having a smoke-passage adjacent the upper wall of said mouth-piece communicating through said shank with the bore of said stem; the shank of said nicotin-collector being shouldered at the outer end of said nipple and said nipple being of suffi-

cient diameter to enable it to be slipped over said nicotin-collector in assembling.

5. A pipe comprising a bowl, a stem connected with said bowl provided with a straight bore, a mouth-piece provided with a chamber, a tubular nipple having screw-connection with said mouth-piece and slip-joint connection with said stem, and a nicotin-collector in said bore of said stem having a shank extending through said nipple and equipped with a curved saliva-deflector having a smoke-passage located adjacent to the upper wall of said mouth-piece.

6. In a device of the character set forth, a combination nicotin-collector and saliva-deflector, comprising a rod equipped with disks having smoke-passages therein, a shank having a smoke-passage and a curved saliva-deflector carried by said shank and provided in its upper portion with a smoke-passage

registering with the smoke-passage in said shank.

7. In a device of the character set forth, the combination of a mouth-piece provided with a chamber, a tubular nipple connected therewith, and a combined nicotin-collector and saliva-deflector comprising a rod equipped with disks provided with smoke-passages, a shank carrying said rod and provided with a smoke-passage, said shank extending through said nipple, and a saliva-deflector projecting from the upper portion of said shank into said mouth-piece and provided with a smoke-passage registering with the smoke-passage in said shank. 25 30

JOHN R. PERRY.

In presence of—

J. G. ANDERSON,
R. A. SCHAFER.