

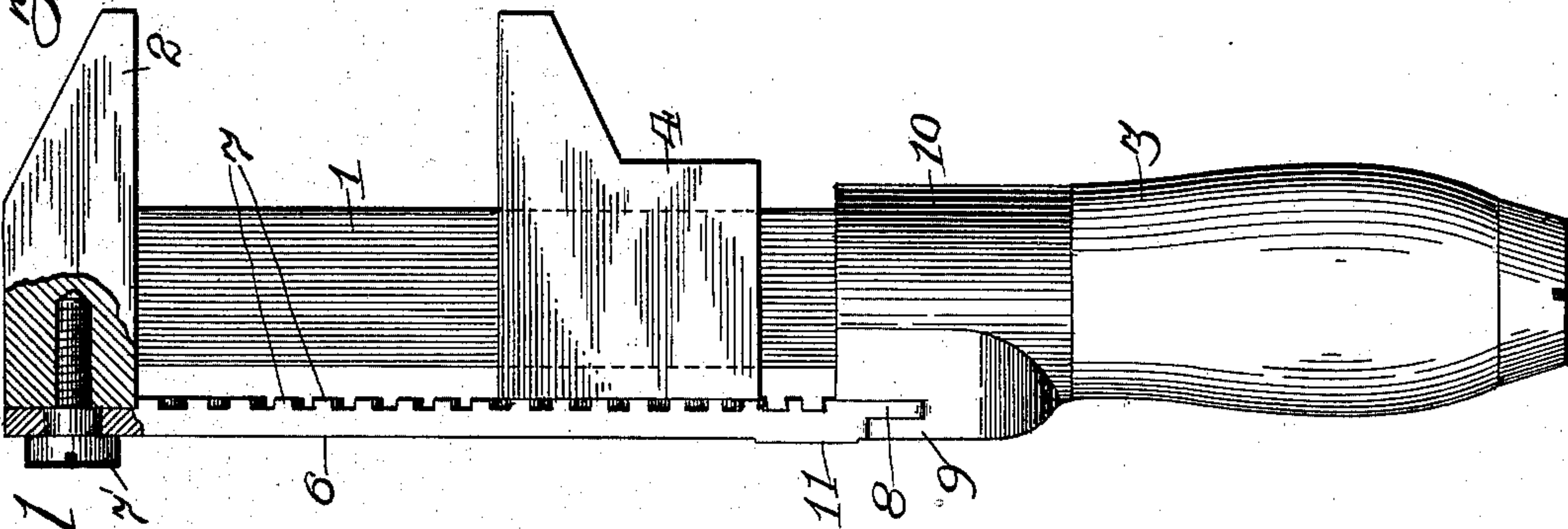
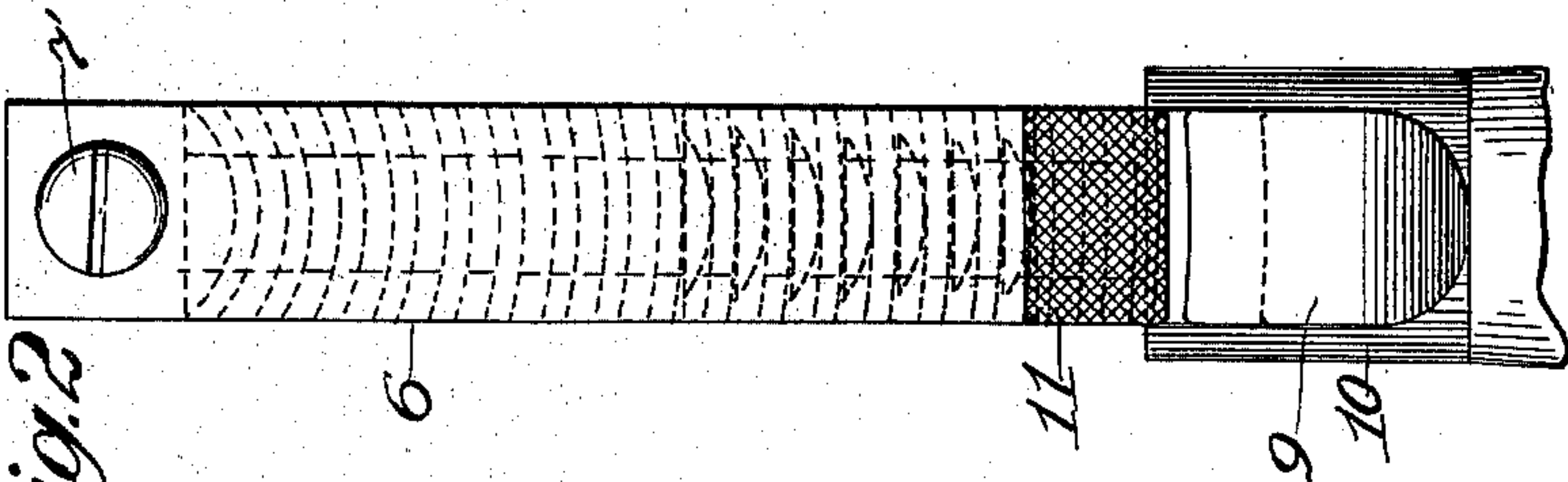
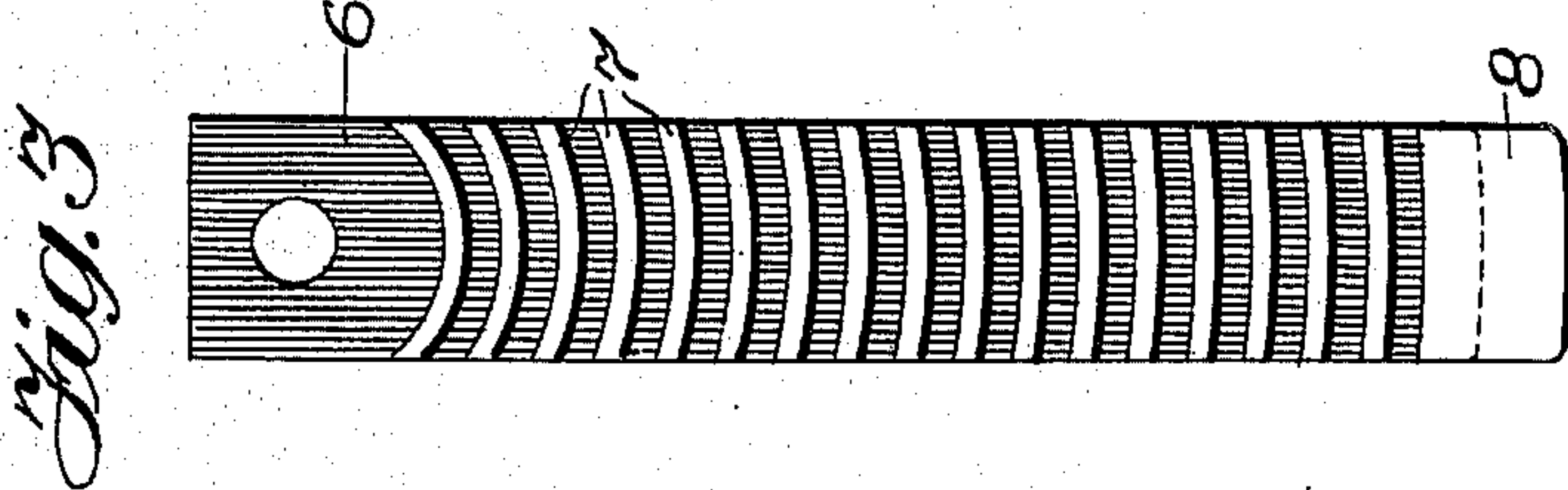
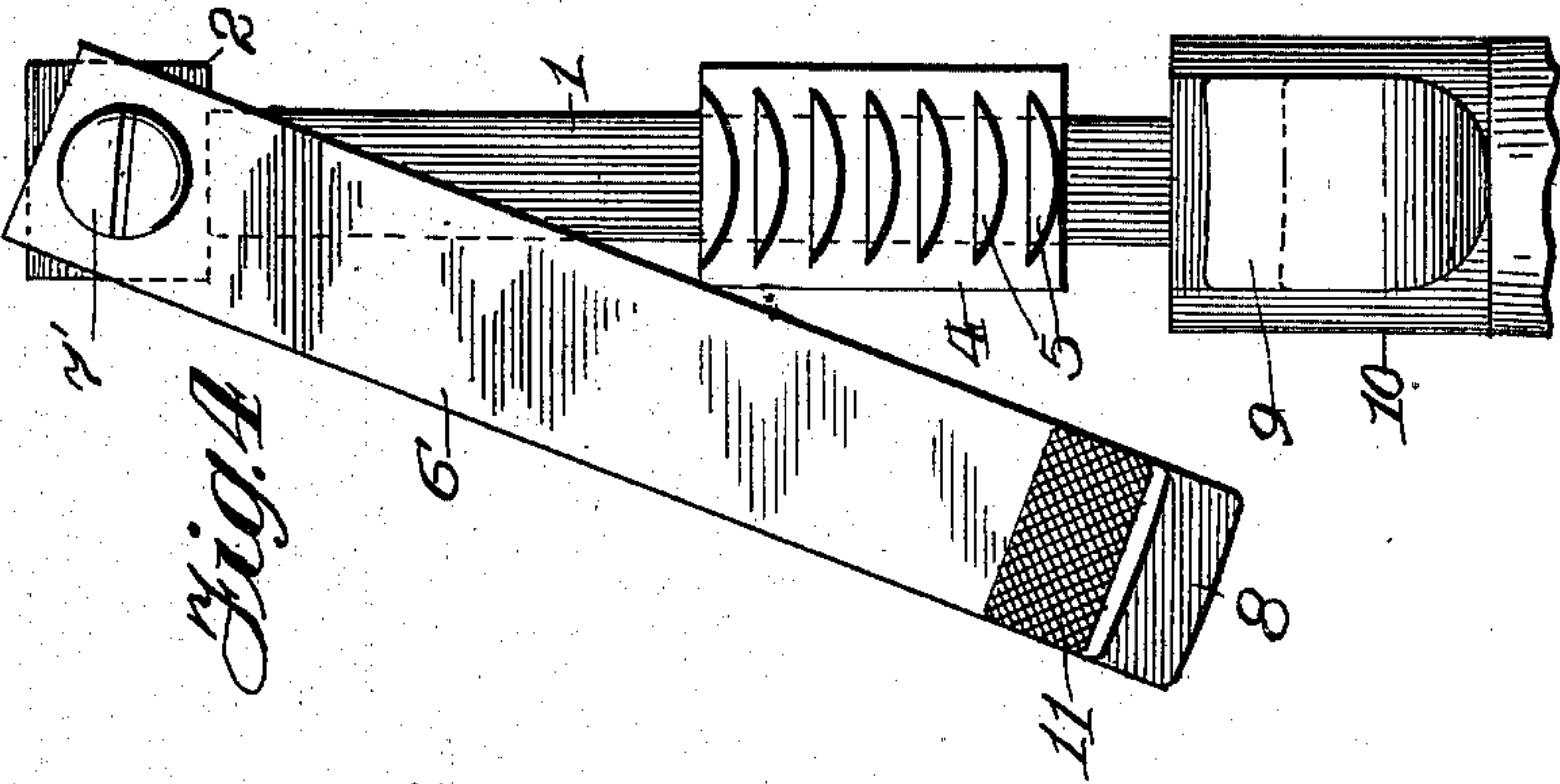
No. 736,143.

PATENTED AUG. 11, 1903.

D. E. PAINTER.
WRENCH.

APPLICATION FILED MAY 9, 1903.

NO MODEL.



Witnesses:
Geo. B. Rowley.
E. E. Potter.

Inventor;
D. E. Painter,
By *A. C. Everett & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

DANIEL E. PAINTER, OF ELDERS RIDGE, PENNSYLVANIA.

WRENCH.

SPECIFICATION forming part of Letters Patent No. 736,143, dated August 11, 1903.

Application filed May 9, 1903. Serial No. 156,375. (No model.)

To all whom it may concern:

Be it known that I, DANIEL E. PAINTER, a citizen of the United States of America, residing at Elders Ridge, in the county of Indiana and State of Pennsylvania, have invented certain new and useful Improvements in Wrenches, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in wrenches, and relates more particularly to that class of wrenches known in this art as "monkey-wrenches."

The object of this invention is to provide 15 a wrench wherein a quick adjustment of the same may be obtained and wherein the same when in any position may be securely held in such position until such time as a different adjustment is required.

20 In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate like parts throughout the several views, in which—

25 Figure 1 is a side elevation of my improved wrench, a portion being shown in section. Fig. 2 is a rear elevation of the same, the handle being broken away. Fig. 3 is a face view of the locking member. Fig. 4 is a rear elevation of the wrench, showing the locking 30 member disengaged from the movable jaw, the handle being broken away.

The reference-numeral 1 indicates the shank of the wrench, on which the fixed jaw 35 2 is formed, and a handle 3 is suitably secured thereto. A sliding jaw 4 is mounted upon the shank of the wrench, and the rear face of said sliding jaw has formed thereon teeth 5. A locking member 6, on the inner 40 face of which the teeth 7 are formed, is secured at one end by the shouldered screw 7' to the fixed jaw 2 of the wrench, and the other end of said locking member has a projection 8, which is adapted to be held by the 45 lug 9, formed on the metallic portion 10 of the handle 3. The teeth 7 on the face of the locking member are cut from a radial center which would be that point at which said member is pivoted, and the teeth 5 on the locking 50 member 6 have their upper faces preferably formed straight and other lower faces formed

on an arc corresponding with the smallest arc of the teeth 7 on the member 6. At the outside, near the lower end of the member 6, a slightly-raised portion 11 is provided, and the 55 face thereof is knurled in order that the same may be more easily operated by the thumb.

In operation the member 6 would be thrown to the position which might be that as shown 60 in Fig. 4, when the sliding jaw 4 would be moved to the desired position and the member 6 would be thrown back to position as shown in Fig. 2, where the teeth on the member 6 would engage teeth 5 on the member 4 65 and secure the movable jaw in any desired position. The lug 9, confining the projection 8 on the member 6, would secure the same against outward displacement. It will be seen that this arrangement will securely hold 70 the jaw in any desired position, and yet by actuating the member 6 the same may be easily moved to any desired position and securely held therein.

In the practice of the invention it will be observed that various changes may be made 75 in the details of construction without departing from the general spirit of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters 80 Patent, is—

1. In a wrench, the combination of a shank, a jaw formed on one end of said shank, a jaw adapted to slide over said shank and the rear side of said jaw being provided with a plurality of teeth, a locking member pivotally 85 mounted to the rear end of said jaw on the shank, teeth formed on the one side of said locking member, the same being cut radially to the pivotal center of said member, a suitable handle secured to said shank, and a lug 90 formed on the rear side of said handle adapted to engage said locking member to prevent its outward displacement, substantially as described.

2. In a wrench, the combination of a shank, 95 a jaw formed on one end of said shank, a locking member pivotally secured to the rear of said jaw, teeth cut radially from said pivotal center on the inside of said locking member, a sliding jaw mounted on said shank, 100 teeth formed on the rear of said shank, the upper sides of which are straight and the

lower sides of which are formed on an arc
corresponding with the smallest arc of the
teeth formed on the locking member, and a
lug formed on the handle of said wrench
5 whereby the locking member will be secured
against outer displacement, substantially as
described.

In testimony whereof I affix my signature
in the presence of two witnesses.

DANIEL E. PAINTER.

Witnesses:

JOSEPH T. COULTER,
JOHN R. COULTER.