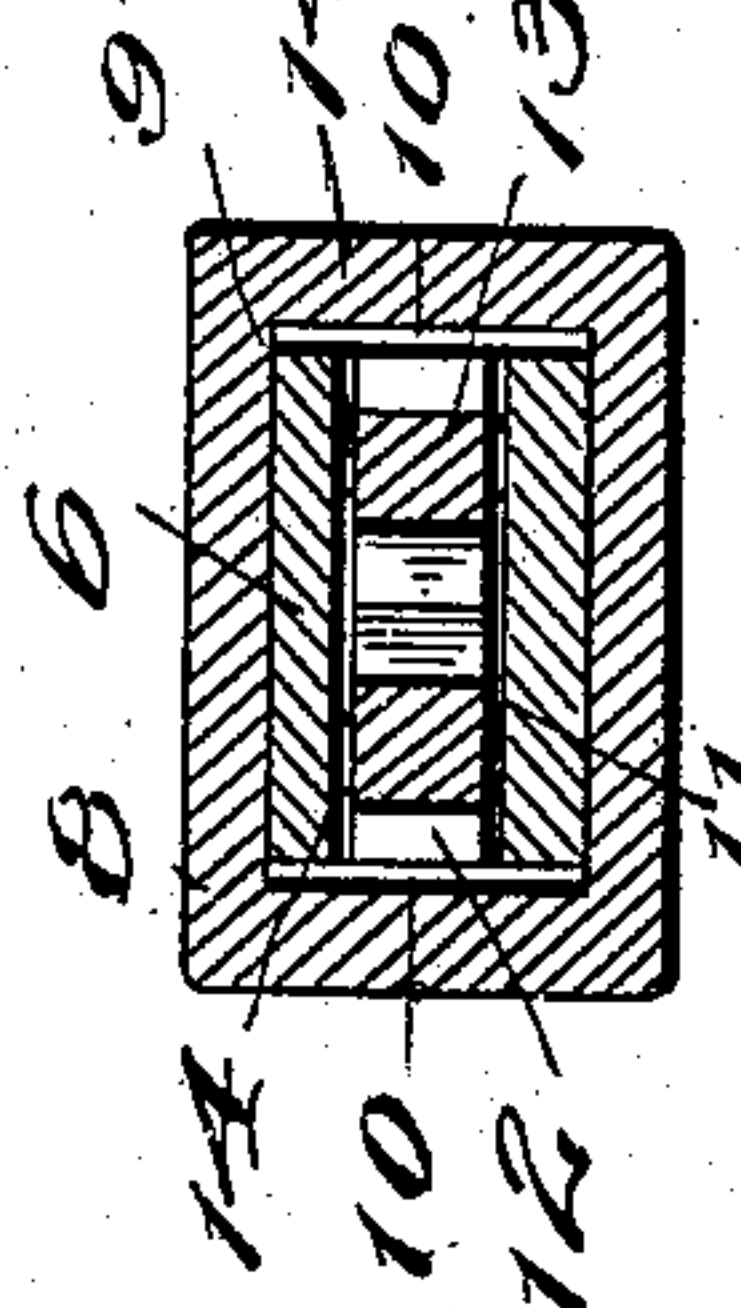
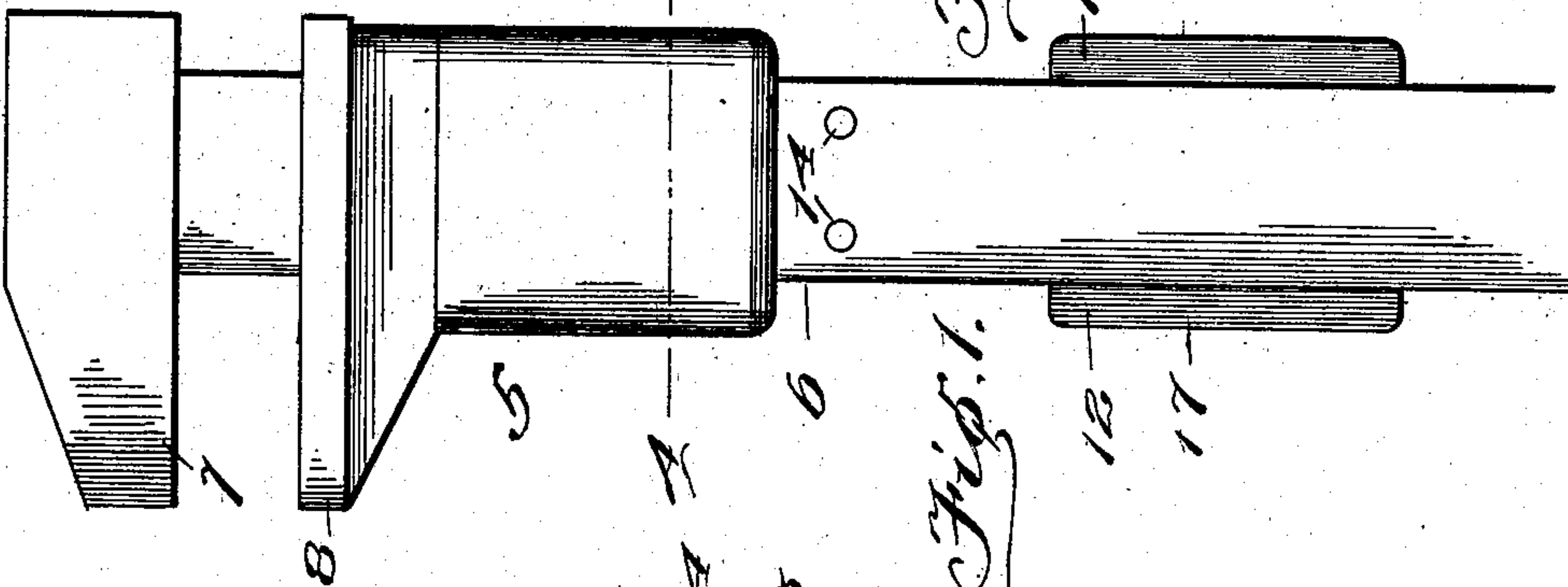
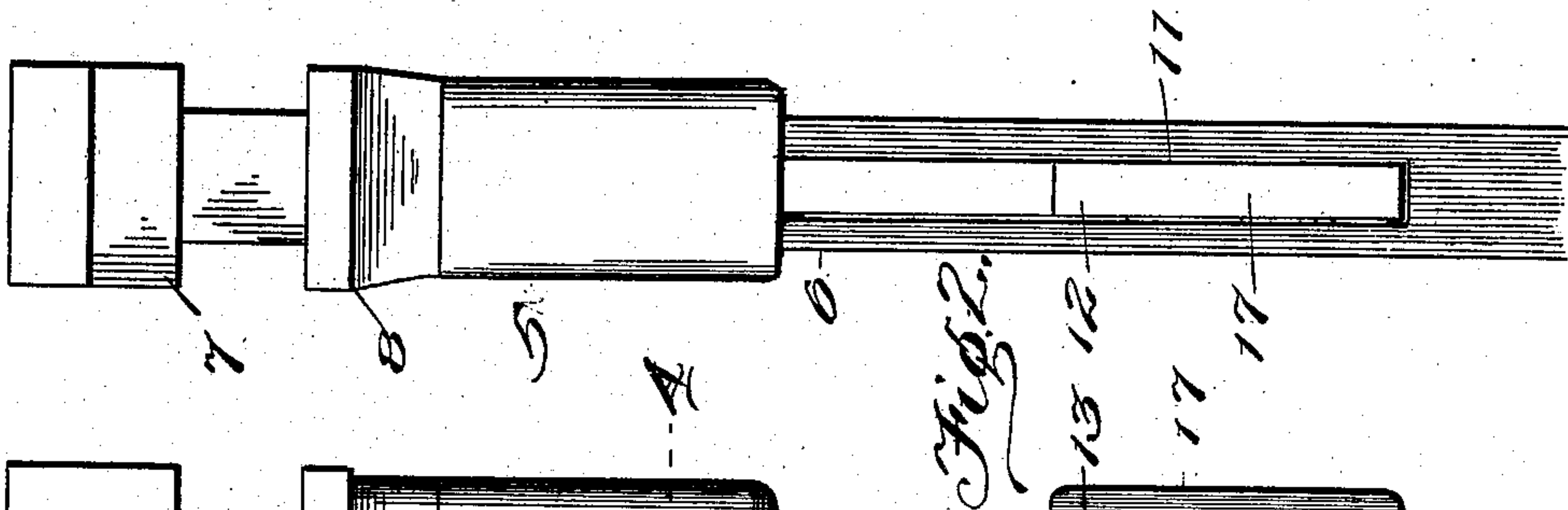
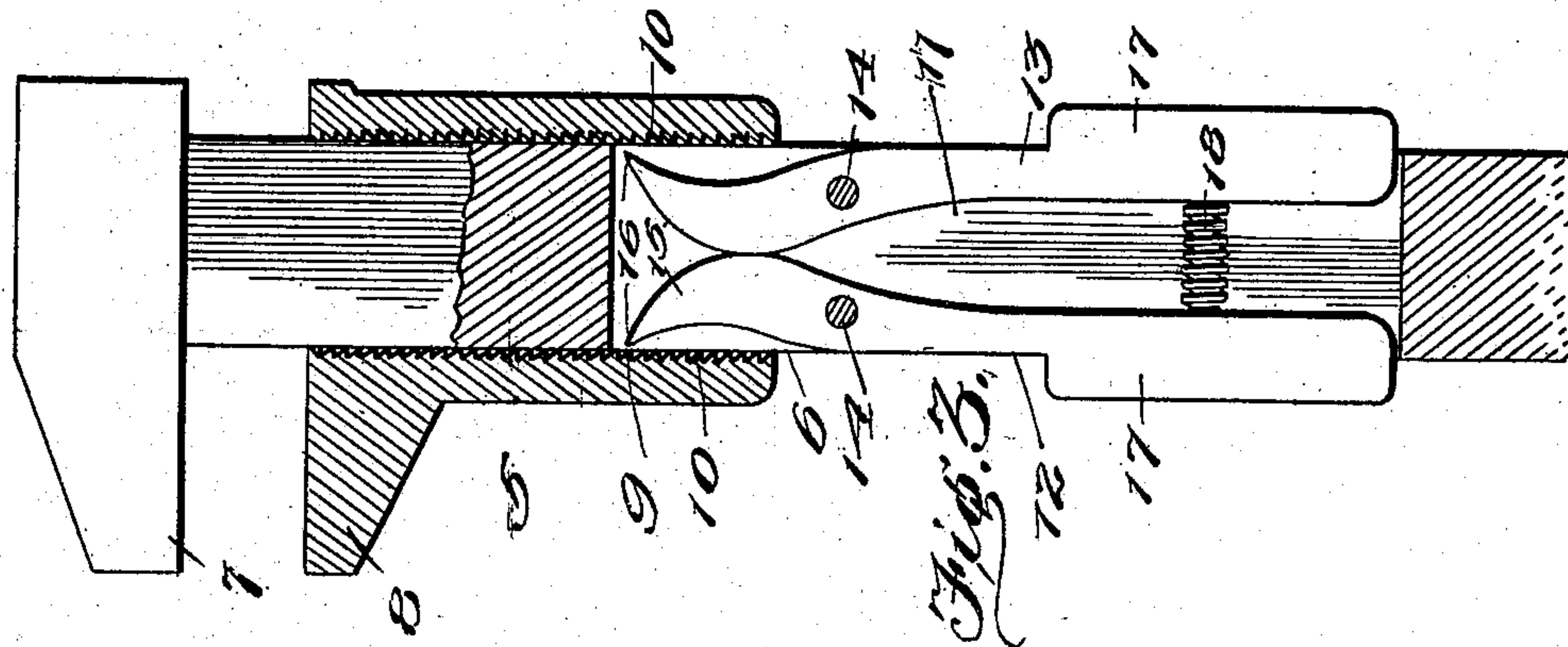


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WRENCH.  
APPLICATION FILED FEB. 4, 1908.

900,651.

Patented Oct. 6, 1908.



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# UNITED STATES PATENT OFFICE.

DAVID BLANKENSHIP, OF RAVEN, VIRGINIA.

## WRENCH.

No. 900,651.

Specification of Letters Patent.

Patented Oct. 6, 1908.

Application filed February 4, 1908. Serial No. 414,210.

*To all whom it may concern:*

Be it known that I, DAVID BLANKENSHIP, a citizen of the United States, residing at Raven, in the county of Tazewell and State of Virginia, have invented certain new and useful Improvements in Wrenches, of which the following is a specification.

This invention relates to wrenches and has for its object to provide a wrench which will be simple in construction, inexpensive to manufacture, and which will be quick in its actions in the adjustment of the sliding jaw.

A further object of this invention is to construct a wrench of the sliding jaw type whereby its controlling parts will be concealed to prevent the adhesion of dust and dirt, and thus render the wrench operative at all times.

Other objects and advantages will be apparent from the following description, and it will be understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevational view of the present wrench, Fig. 2 is an edge view, Fig. 3 is a vertical longitudinal sectional view, Fig. 4 is a cross sectional view on the line 4—4 of Fig. 1.

Referring now more particularly to the drawings, there is shown a wrench 5 comprising a shank 6 having a fixed jaw 7, at one end, as shown. The shank 6 is provided with a sliding jaw 8 having a vertically disposed passage 9, and this jaw is provided with vertically disposed serrations 10 located within the passage 9 and preferably adjacent each edge of the shank 6 of the wrench.

The shank 6 is provided with a vertically disposed slot 11 arranged to receive dogs 12, 13 respectively pivoted as shown at 14 between the walls of the slot, and at the upper ends these dogs are curved away from each other as shown at 15, and these portions of each dog are sharpened as shown at 16 for engagement at times with the serrations 10. The dogs 12 and 13 respectively at their lower ends are somewhat enlarged as shown

at 17 whereby portions of these dogs slightly project outwardly of the slot 11. A coil expansion spring 18 is located within the slot 11, and this spring is arranged to bear at its ends against the portions 17 of the dogs 12 and 13 whereby the dogs are normally disengaged from the serrations 10. It will thus be seen that the jaw 8 is free for movement at all times upon the shank 6, and after the proper adjustment has been obtained the hand is engaged with the shank 6 and with the portions 17 of the dogs 12 and 13 respectively, and upon pressure upon the dogs it will be seen that the sharpened edges 16 of the portions 15 will firmly engage the serrations 10 and thus hold the jaw at its proper adjustment.

What is claimed is:

1. In a wrench of the class described, the combination with a shank having a fixed jaw at one end and an elongated slot opening at the edges of said shank, a sliding jaw carried by said shank and having transverse series of serrations, of dogs located within the slot and having portions at their lower ends disposed partly outwardly at each edge of said shank and arranged in parallel spaced relation, and elastic means located between said dogs for holding portions thereof normally disengaged from said serrations.

2. A wrench of the class described comprising a shank having a fixed jaw at one end, said shank having an elongated slot opening at the edges, a sliding jaw carried by said shank, said sliding jaw having a plurality of transversely disposed serrations located adjacent the edges of said shank, dogs pivotally mounted between the walls of said slot and having portions at their upper ends curved away from each other and directed toward said serrations, said dogs having enlarged portions at their lower ends disposed partly outwardly of said slot, and spring means located between said dogs for holding their curved upper ends normally disengaged from said serrations.

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

DAVID BLANKENSHIP.

Witnesses:

W. R. L. STINSON,  
J. B. CRABTREE.