No. 869,670. PATENTED OCT. 29, 1907.

E. H. VANDERSLICE.

WRENCH.

APPLICATION FILED JULY 17, 1907.

Fig. 1.

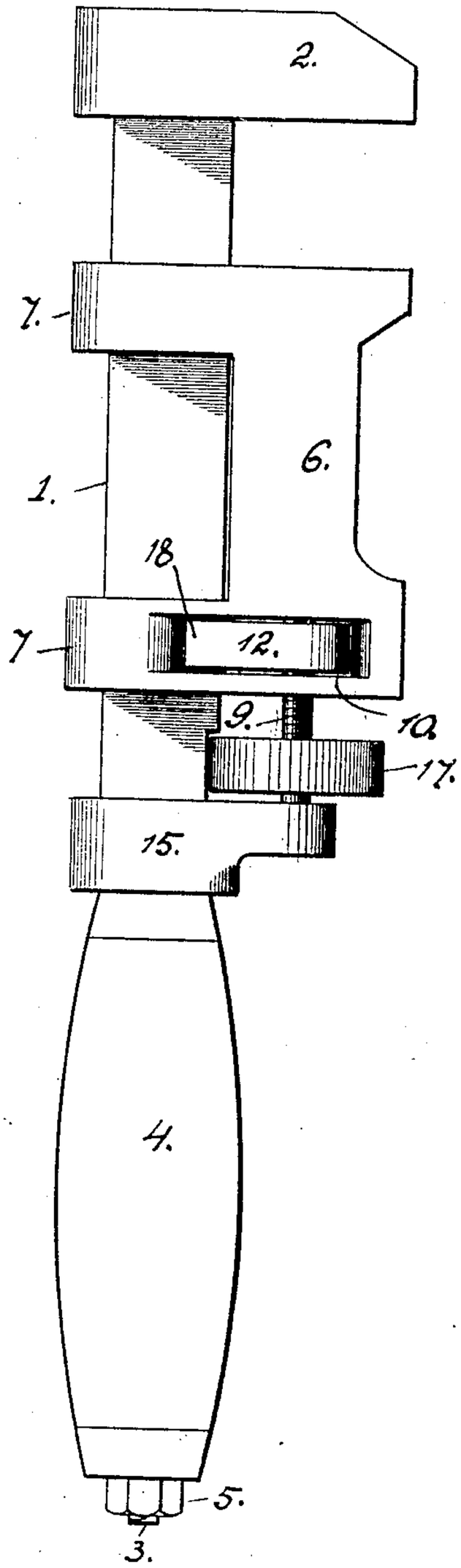


Fig. 2.

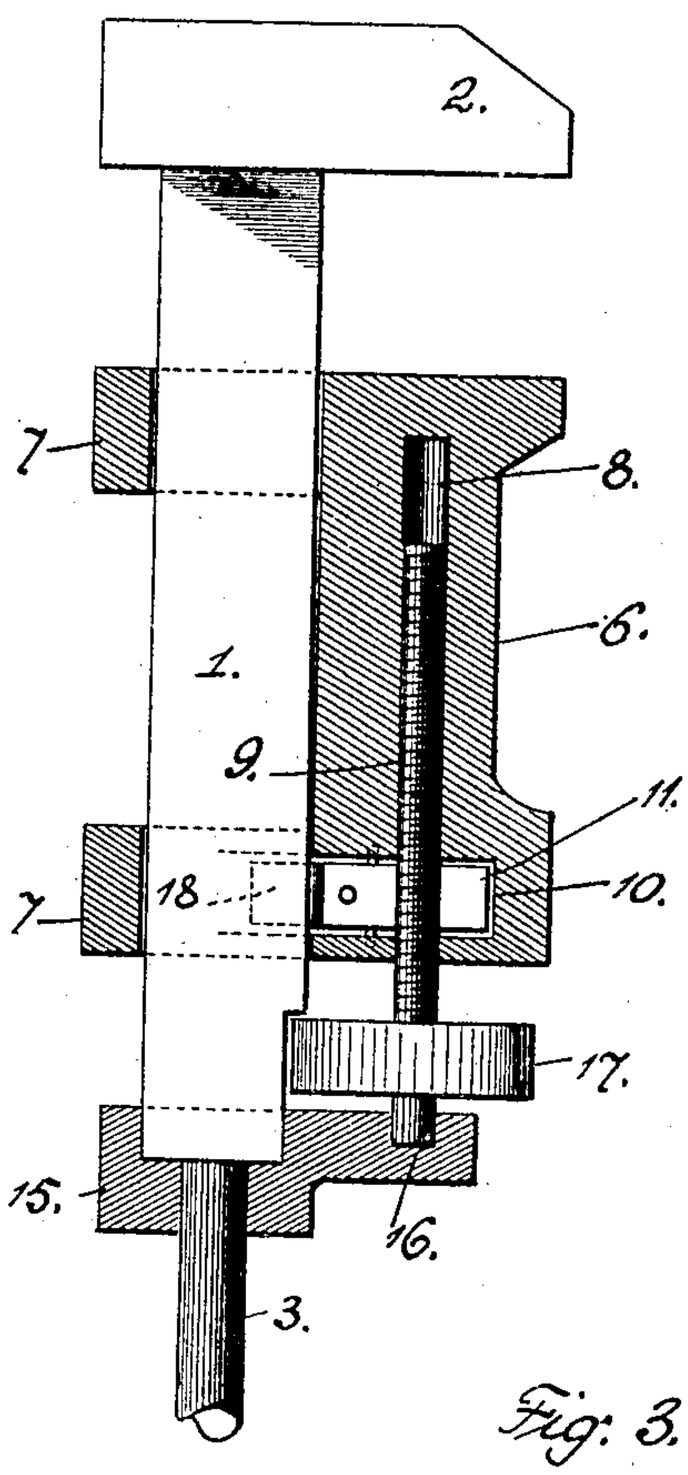
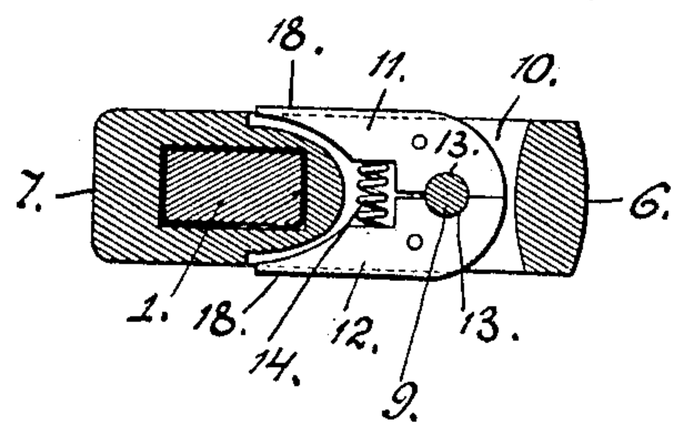


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

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WRENCH.

No. 869,670. Specification of Letters Patent. Patented Oct. 29, 1907.

Application filed July 17, 1907. Serial No. 384,212.

To all whom it may concern:

Be it known that I, EUGENE H. VANDERSLICE, a citizen of the United States of America, residing at Jamestown, in the county of Mercer 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.

This invention relates to wrenches and its object is, to provide a device of this character of simple and inexpensive construction, adapted to be readily adjusted.

The improvement will be fully described hereinafter, in connection with the accompanying drawing, which forms a part of this specification, and its features of novelty will be defined in the appended claims.

In the drawing:—Figure 1 is a side elevation of the invention, Fig. 2 is a longitudinal sectional view of the same, and, Fig. 3 is a transverse section.

The reference numeral 1 designates the shank of the wrench provided at its upper end with a fixed jaw 2, and at its lower end with a stem 3 to which a handle 4 is attached by a suitable nut 5.

A movable jaw 6 is mounted for sliding movement on the shank, and is formed with a transversely extending slot 10, within which are pivotally secured two coöperating oppositely disposed clamping jaws 11 and 12, each formed with a semi-circular threaded recess 13 to receive the jaw adjusting screw 9 which is received in a bore 8 provided in the jaw 6. A coil spring 14 is interposed between the two jaws 11 and 12 to hold them normally in engagement with the screw. In order to prevent the forcing towards each other of the inner ends of the clamping jaws 11 and 12 and thus release the same from the screw 9 the jaw 6 is recessed at the inner end of the slot 10 so as to give a clearance between the inner faces of ends 18 of said clamping jaws, and said jaw 6, as clearly seen in Fig. 3. Below the jaw 6, a bracket 15 is secured upon the shank 1, said bracket having a bearing 16 for the lower end of the screw 9. A disk 17 having its periphery serrated, is secured upon the screw 9 near its lower end, to facilitate the adjustment of the screw.

The utility and operation of the device constructed as above described, will be readily understood. By pressing the ends 18 of the clamping jaws 11 and 12 the movable jaw 6 is released from the screw 9, to permit said jaw to be adjusted with relation to the fixed jaw 2 and further adjustment is effected by means of the disk 17.

I would have it understood, that the invention includes all such modifications, and variations in the details of construction, as may be resorted to without departing from the terms and scope of the following claims.

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

In a monkey wrench, the combination of a shank, carrying a fixed jaw, a movable jaw slidable on said shank having a longitudinally-extending bore and having a slot extending transversely of the shank, said jaw being recessed at the inner end of said slot, two clamping-jaws pivoted within the slot to extend transversely of the movable jaw and having threaded recesses in their inner faces, the free ends of said clamping jaws projecting into the recess in the movable jaw, a screw extending into the longitudinal bore of said movable jaw and engaged by the walls of the threaded recess in said clamping jaws, a spring mounted between said clamping jaws within said slot and engaging both clamping jaws to hold the same normally engaged with the screw, a bracket carried by the shank for supporting the inner end of said screw.

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

EUGENE H. VANDERSLICE.

Witnesses:
H. B. GARRISON,
JOHN N. SINCLAIR.