

No. 884,203.

PATENTED APR. 7, 1908.

C. S. PEDERSON.
WRENCH.

APPLICATION FILED JULY 9, 1907.

Fig. 1.

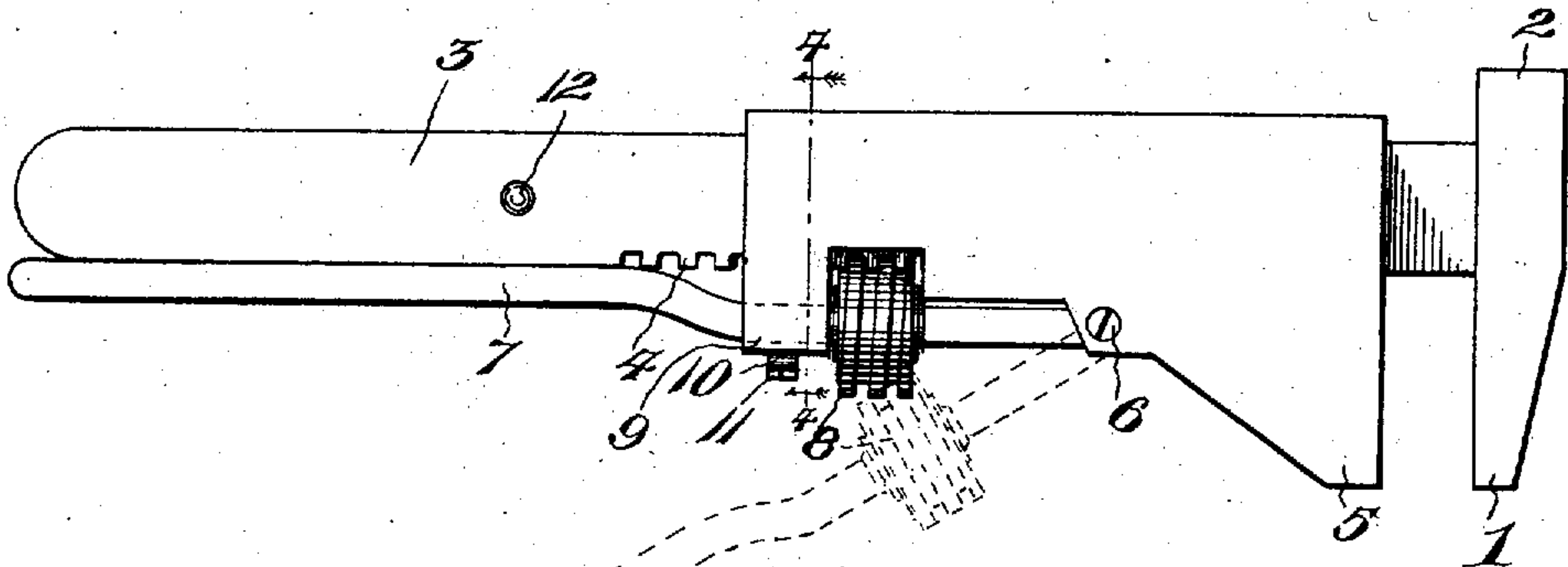


Fig. 2.

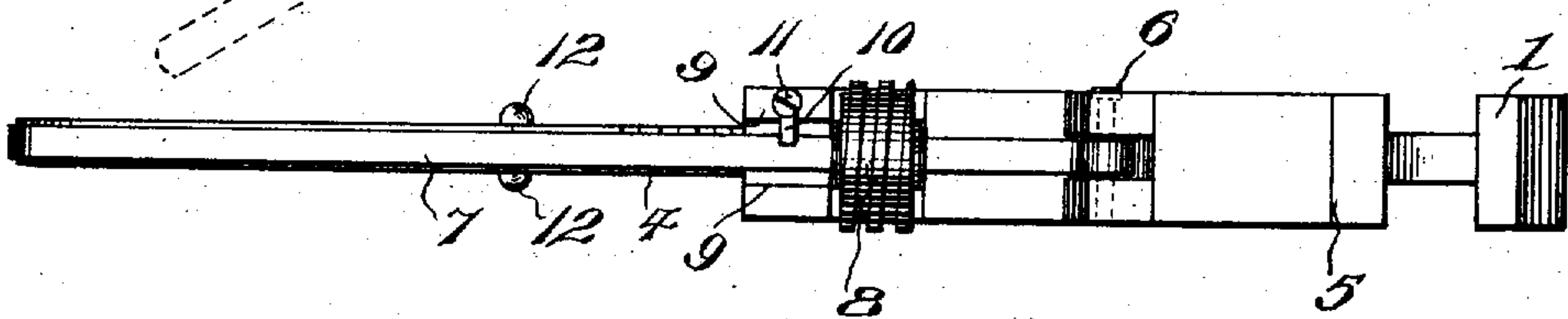


Fig. 3.

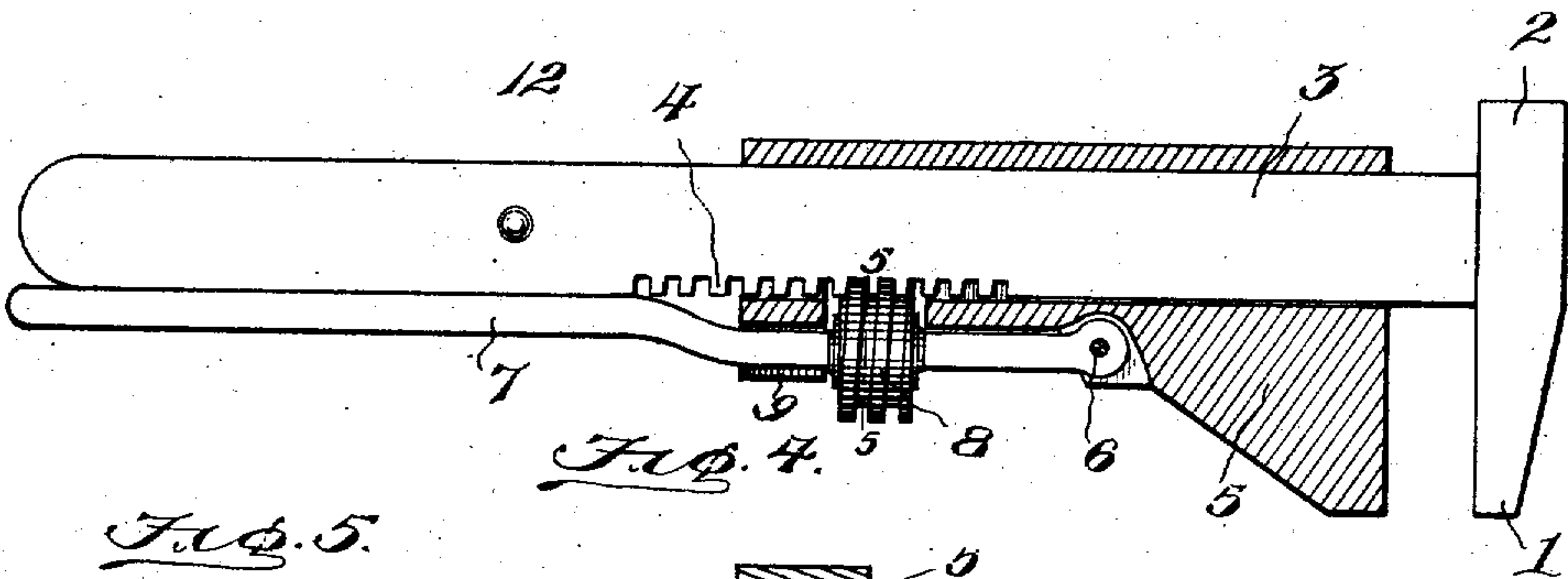
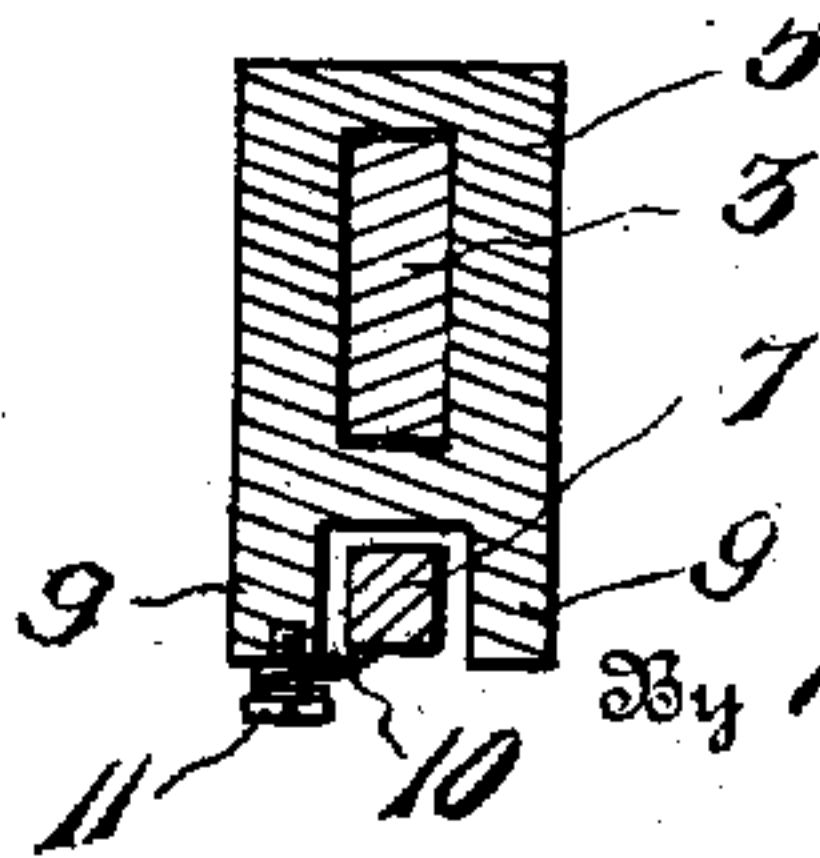
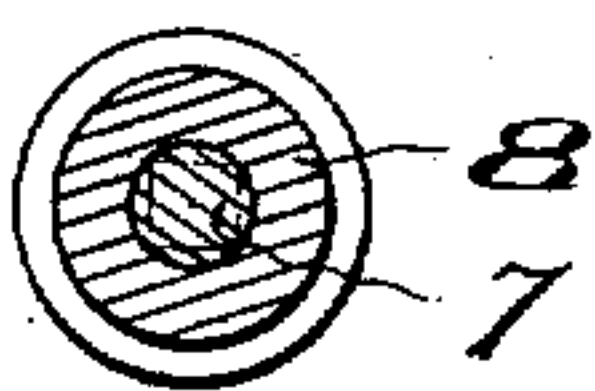


Fig. 4.

Fig. 5.



Witnesses

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WRENCH.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES S. PEDERSON, a citizen of the United States of America, residing at Grantsburg, in the county of Burnett and State of Wisconsin, have invented new and useful Improvements in Wrenches, of which the following is a specification.

This invention relates to wrenches, and one of the principal objects of the same is to provide a wrench of simple construction in which the sliding jaw may be quickly moved to engage a nut and in which said sliding jaw may be further adjusted to firmly clamp the nut between the jaws.

Another object of the invention is to provide a wrench having a rigid jaw member and a sliding jaw member, and a lever carrying the adjusting nut for adjusting the sliding jaw to firmly clamp a nut between the two jaws.

These and other objects may be attained by means of the construction illustrated in the accompanying drawing, in which:

Figure 1 is a side elevation of a wrench made in accordance with my invention. Fig. 2 is an underside plan view of the same. Fig. 3 is a side elevation in which the sliding jaw member is shown in section. Fig. 4 is a sectional view on the line 4—4 of Fig. 1, looking in the direction indicated by the arrows. Fig. 5 is a detail section on the line 5—5 of Fig. 3.

Referring to the drawing for a more particular description of my invention, the numeral 1 designates the rigid jaw member provided with a hammer head 2, said jaw member being formed integral with the flat shank 3, and said shank being provided with a series of teeth 4 on the lower edge thereof.

The movable jaw 5 is mounted to slide on the shank 3, being provided with a recess in which said shank projects. Pivoted to the sliding jaw 5 upon a screw or pin 6 is a lever 7, said lever having an enlarged rounded portion upon which is mounted to rotate the adjusting nut 8 which is provided with spirally arranged threads which engage the teeth 4 on the lower edge of the shank 3. Formed on the outer end of the sliding jaw 5 is a pair of downwardly extending lugs 9 between which the lever 7 is disposed, and a spring button 10 is pivoted upon a screw or pin 11 for holding the lever 7 between the

lugs 9 and the adjusting nut 8 into engagement with the teeth 4.

The operation of my wrench may be briefly described as follows: When it is desired to quickly adjust the sliding jaw member up to a nut, the lever 7 is swung outward to the position shown in dotted lines in Fig. 1, and the sliding jaw 5 is moved up against the nut with the rigid jaw 1 bearing upon the opposite side thereof. When the lever 7 is swung up into the position shown in Fig. 3 and held in place by means of the spring button 10, the adjusting nut 8 may be operated to slide the jaw 5 firmly against the side of the nut, and said adjusting nut 8 may be operated to release the jaws from the nut. A stop 12 on the shank 3 serves to prevent the sliding jaw from moving off the shank 3.

From the foregoing it will be obvious that a wrench made in accordance with my invention, is of simple construction, can be quickly adjusted to engage nuts of different sizes, and that a secondary adjustment can be quickly made for firmly clamping the nut and for removing the jaws from the nut, whenever required.

Having thus described the invention, what I claim is:

The herein described wrench comprising a rigid jaw member provided with a shank extending therefrom, said shank having teeth upon one edge thereof, a jaw mounted to slide on said shank, a lever pivoted to said sliding jaw and having an adjusting nut mounted to rotate thereon, said nut extending through an aperture in the sliding jaw to engage the teeth on the shank, said lever being adapted to be swung away from the shank to permit the sliding jaw member to be quickly adjusted, a spring button secured to said sliding jaw member for holding said lever in position for the adjusting nut to engage the teeth on the shank, said lever extending beyond the shank and lying flat against the shank when the nut is engaged to prevent said lever from swinging outward and releasing the nut.

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

CHARLES S. PEDERSON.

Witnesses:

CHAS. A. ERICKSON,
ANDREW BERGHURD.