

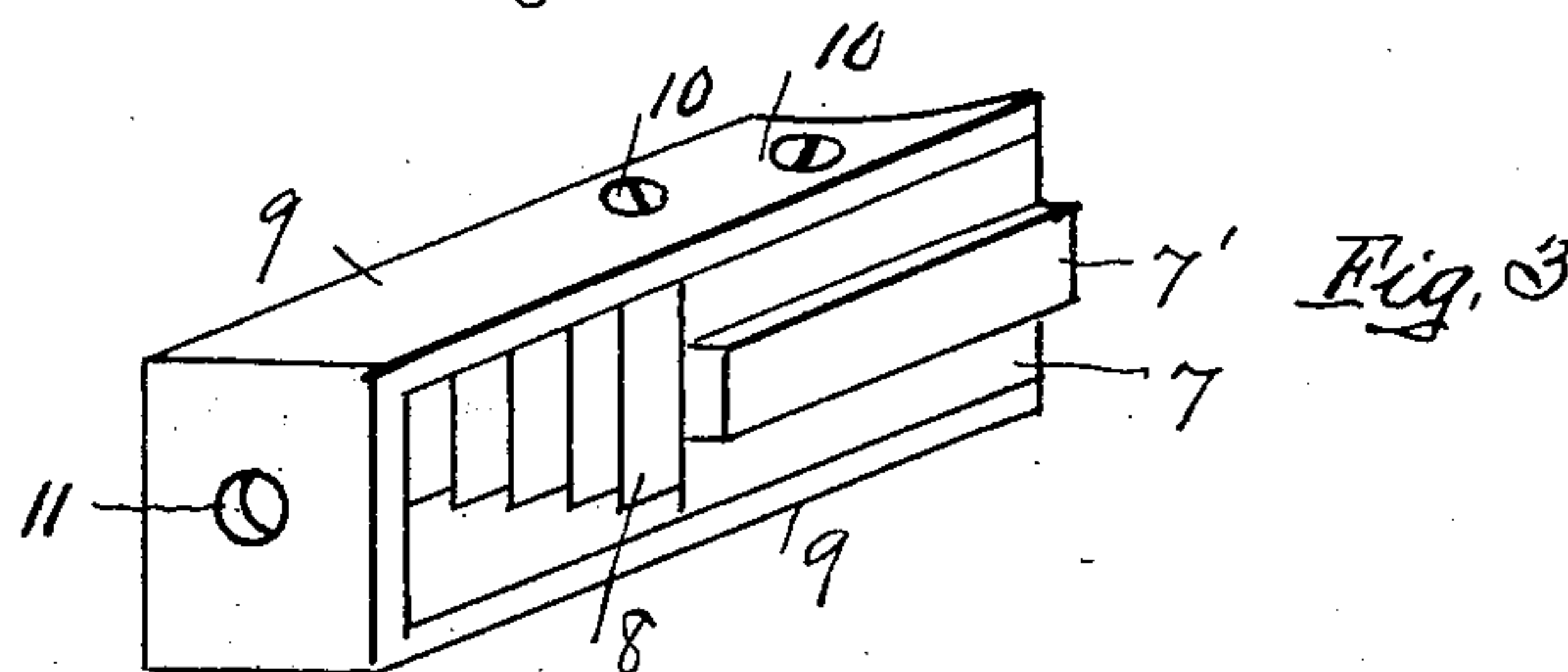
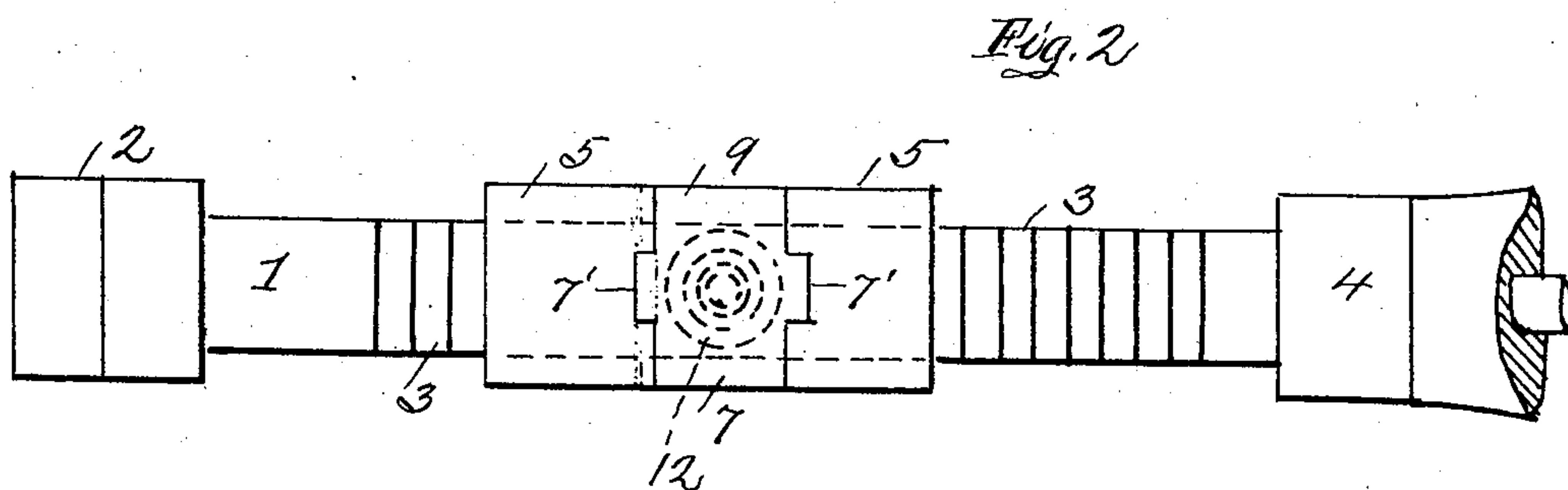
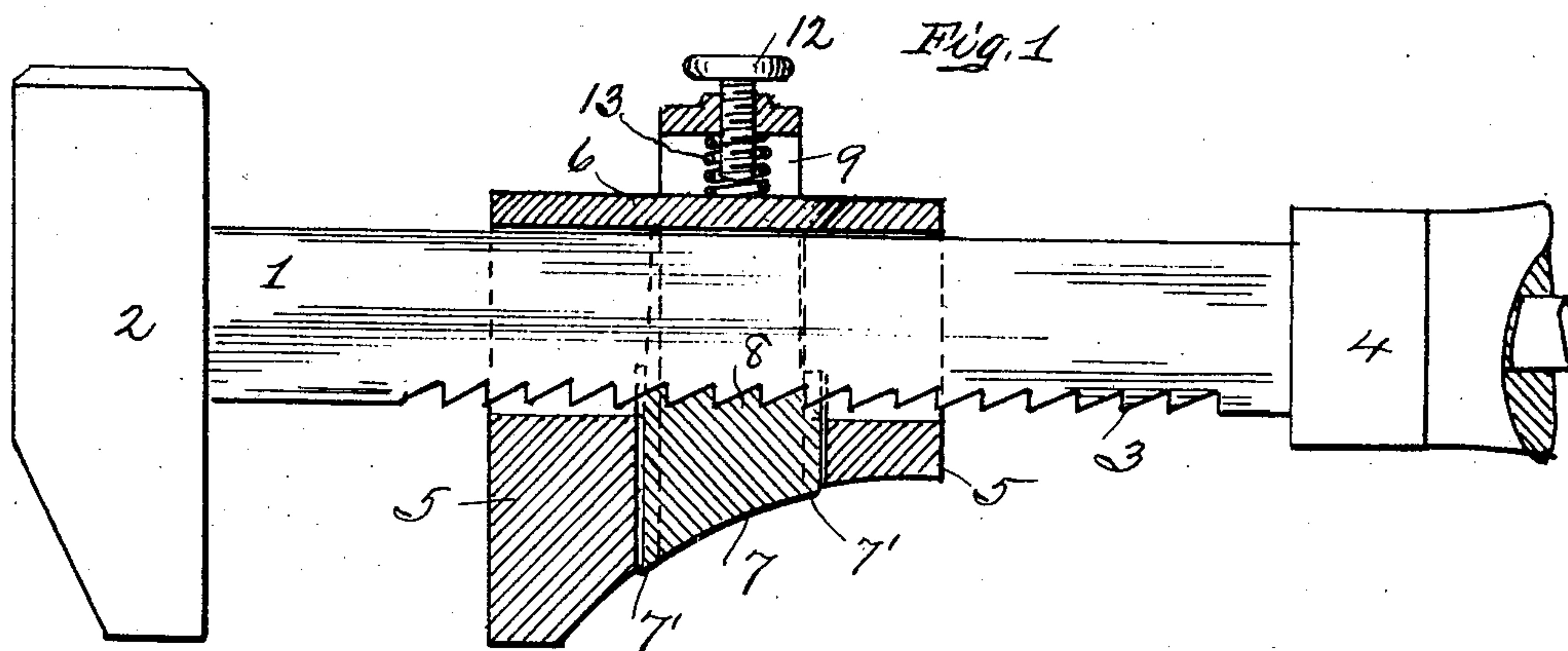
No. 771,632.

PATENTED OCT. 4, 1904.

L. H. W. HANCOCK.
WRENCH.

APPLICATION FILED JAN. 8, 1904.

NO MODEL.



Witnesses:
Th Hunter
R. B. Lowry

Inventor:
Leon H. Hancock
By O. D. Lewis

Att'y.

UNITED STATES PATENT OFFICE.

LEON H. W. HANCOCK, OF PITTSBURG, PENNSYLVANIA.

WRENCH.

SPECIFICATION forming part of Letters Patent No. 771,632, dated October 4, 1904.

Application filed January 8, 1904. Serial No. 188,245. (No model.)

To all whom it may concern:

Be it known that I, LEON H. W. HANCOCK, a citizen of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Wrenches, of which improvement the following is a specification.

This invention relates to an improved wrench; and it consists in the certain details of construction and combination of parts, as will be fully described hereinafter.

In the accompanying drawings, Figure 1 is a side elevation, partly in section, of my improved wrench, the same being constructed and arranged in accordance with my invention. Fig. 2 is an inverted plan view of the same. Fig. 3 is a perspective view of the locking-section of the wrench detached from the same.

To construct a wrench in accordance with my invention, I provide a bar 1 of a suitable size and length, having a head 2 forming one of the jaws, a ratchet formed on one side thereof and fitted with a handle 4. Operating along the length of this bar 1 is a sliding jaw 5, capable of being moved toward or away from the stationary or fixed head 2. This movable portion 5 is fitted with a locking device adapted to be engaged with the teeth of the rack 3, and said device consists of a block 7, having guide-strips 7' to enter slots formed in the moving portion 5, and is provided at one end with a series of teeth 8. To hold this block in position, a strap 9 is used, the same being secured by short screws 10 and passes over the movable jaw 5 and projects a short distance above the top 6 of the same. A threaded opening 11 is formed in the top of the strap 9, in which a screw 12 operates, the said screw being used for the purpose of con-

fining a short spring 13 in position and also to limit the downward movement of the locking-strap 9.

In operation the sliding jaw 5 may be adjusted toward or away from the fixed jaw 2 by pressing down upon the screw-head 12, which moves the block 7 downward, disengaging the teeth 8 of the same from the rack 3. When the pressure is released from the screw-head 12, the spring moves the block upward and engages the same with the rack 3.

Various slight modifications and changes may be made in the details of construction without departing from the spirit of the invention.

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

The herein-described wrench, consisting of the rack-bar 1, provided with a fixed jaw 2, at the one end and with a suitable handle 4 at the other, the sliding jaw 5 adapted to be moved along the length of the rack-bar, the block 7 provided with teeth 8 to engage with the rack, the strap 9 attached to said block and projecting above the top 6 of the sliding jaw 5, the screw 12 and spring 13 arranged in the top of the said strap, said screw confining said spring and being adapted to engage said bar to limit the downward movement of said strap and block, all arranged and combined for service, substantially as and for the purpose described.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

LEON H. W. HANCOCK.

In presence of—

FRED O. HENZI,
M. HUNTER.