

No. 881,620.

PATENTED MAR. 10, 1908.

F. E. ROSEKELLY.
WRENCH.

APPLICATION FILED APR. 4, 1907.

Fig. 1.

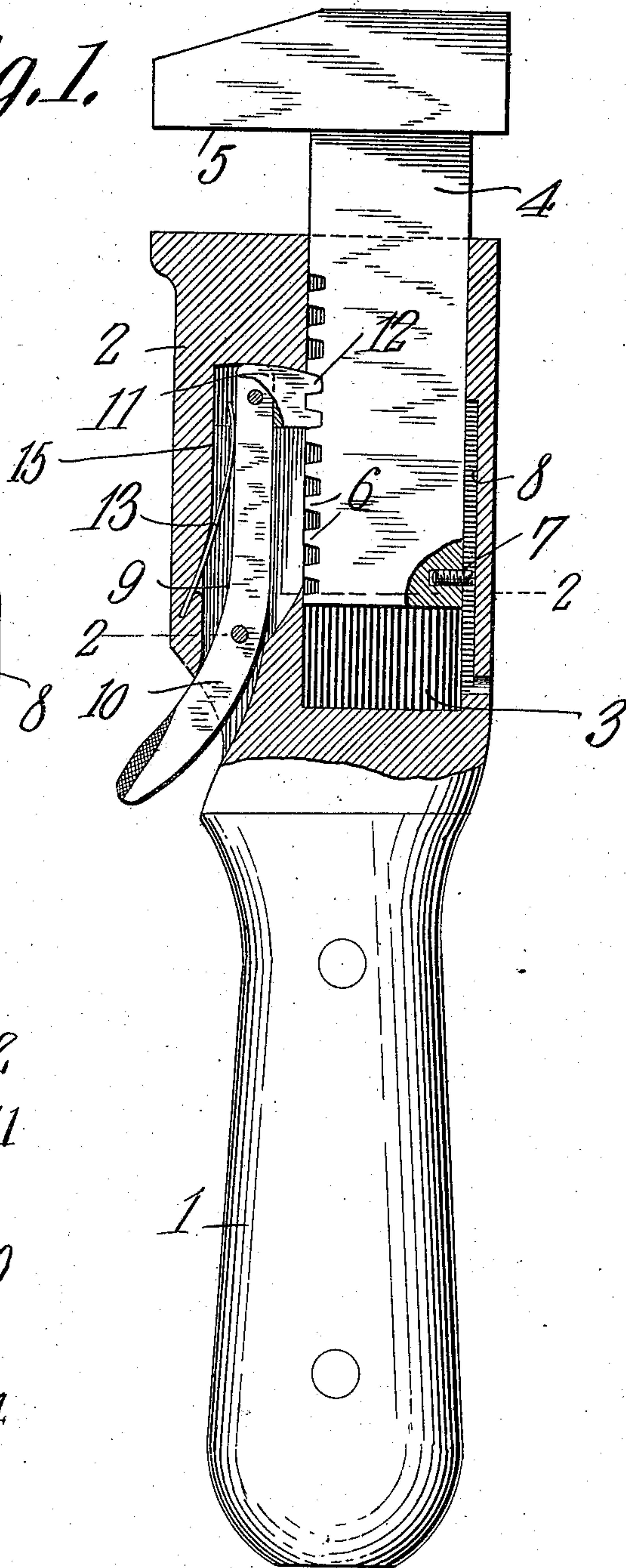


Fig. 2.

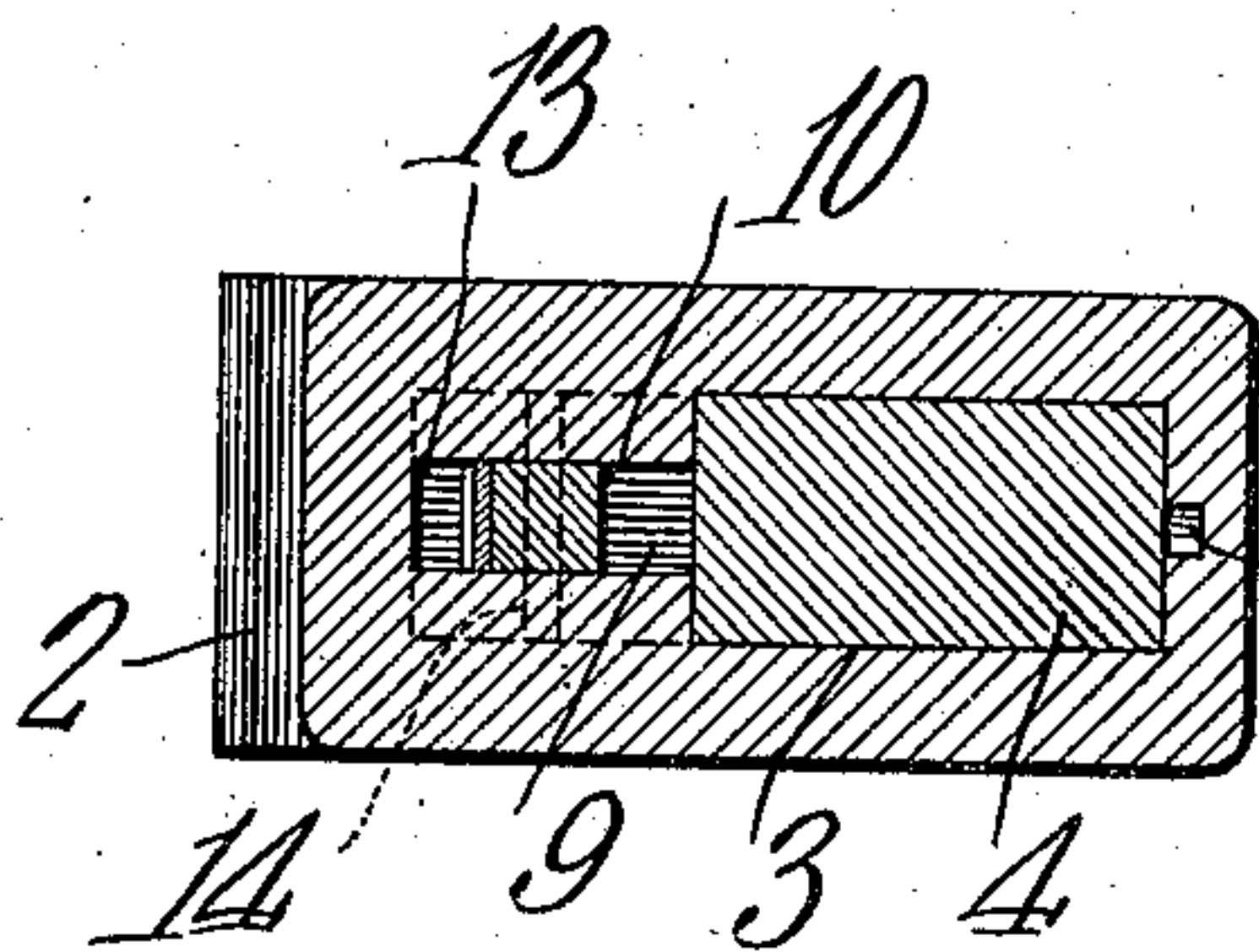
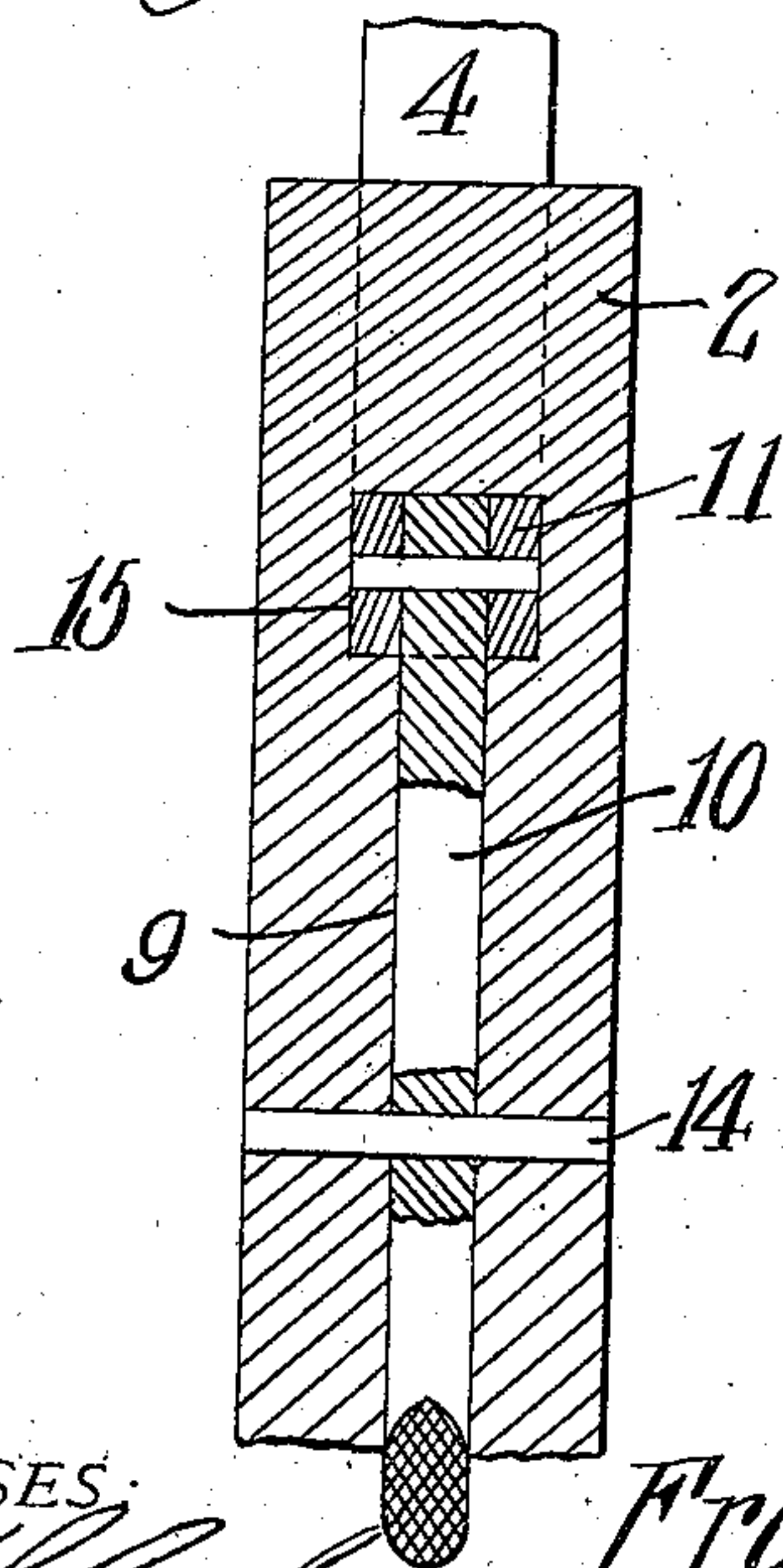


Fig. 3.



WITNESSES:

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FRANK E. ROSEKELLY, OF HURON, OHIO.

WRENCH.

No. 881,620.

Specification of Letters Patent.

Patented March 10, 1908.

Application filed April 4, 1907. Serial No. 366,379.

To all whom it may concern:

Be it known that I, FRANK E. ROSEKELLY, a citizen of the United States, residing at Huron, in the county of Erie and State of Ohio, have invented a new and useful Wrench, of which the following is a specification.

This invention has relation to wrenches and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a quick acting wrench with means for positively retaining the movable jaw thereof in its adjusted position.

The wrench is of special and novel construction as will be hereinafter explained.

In the accompanying drawing:—Figure 1 is a side elevation of the wrench partly in section, Fig. 2 is a transverse sectional view of the same cut on the line 2—2 of Fig. 1. Fig. 3 is a sectional view of a portion of the wrench cut on the line 3—3 of Fig. 1.

The wrench consists of the handle 1 to the end of which is attached the relatively fixed jaw 2. Said jaw is provided with the longitudinally disposed channel 3. The stock 4 of the movable jaw 5 enters the channel 3 and is provided at one edge with the teeth 6. The opposite edge of the said stock is provided with a pin 7 which enters a groove 8 in the wall of the channel 3 and forms a means for preventing the movable jaw from becoming disengaged from the fixed jaw. The jaw 2 is provided in its interior with a cavity 9 which communicates with the channel 5 and also with the exterior of the wrench. The lever 10 is fulcrumed in the cavity 9 and has one end lying beyond the outer side of the wrench. The opposite end of the lever 10 is provided with a head 11 which is pivotally attached thereto and which in turn is provided with the teeth 12 which are adapted to engage the teeth 6 upon the stock 4. The spring 13 bears at one end against the lever 10 at a point between the head 11 and the fulcrum 14 thereof, and at its opposite end the said spring bears against the side of the cavity 9. Said spring is under tension with a tendency to hold the teeth of the head 11 in engagement with the teeth of the stock 4.

The ends of the heads 11 enter the recesses 15 provided at the upper end of the cavity 9 and rest upon the bottoms of the same. Thus the fulcrum of the lever 10 is relieved of strain when the wrench is in use.

From the foregoing description it is obvious that by depressing the exposed or power end of the lever 10 that the said lever will be swung upon its fulcrum and its opposite end carrying the pivoted head 11 will be moved away from the stock 4. Thus when the teeth 12 become disengaged from the teeth 6 the said stock 4 may be moved longitudinally in the channel 3. The groove 8 receiving the pin 7, however, limiting such longitudinal movement. When the jaw 5 has been adjusted to the proper point pressure is removed from the power end of the lever 10 and the tension of the spring 13 comes into play and forces the teeth 12 into engagement with the teeth 6 of the stock 4. The object in pivoting the head 11 to the lever 10 is that the said head may move squarely with relation to the stock 4 while the lever upon which it is mounted describes an arc of a circle when moved.

Having described my invention what I claim as new and desire to secure by Letters-Patent is:—

A wrench comprising a handle having a fixed jaw attached thereto, said jaw having a channel and an adjacent cavity provided at the upper end of its sides with opposite recesses, a stock entering said channel, a jaw carried by the stock, said stock having at one edge teeth, a spring actuated lever fulcrumed in the cavity, a head pivoted at a point intermediate of its ends to the lever and being provided with teeth for engagement with the teeth of the stock and having its ends lying in said recesses, one end of said lever projecting beyond the side of the wrench.

In testimony that I claim the foregoing as my own, I have hereunto affixed my signature in the presence of two witnesses.

FRANK E. ROSEKELLY.

Witnesses:

PETER RUPER,
F. L. KROCK.