

No. 862,332.

PATENTED AUG. 6, 1907.

C. S. HEMENWAY.

WRENCH.

APPLICATION FILED APR. 9, 1907.

Fig. 1.

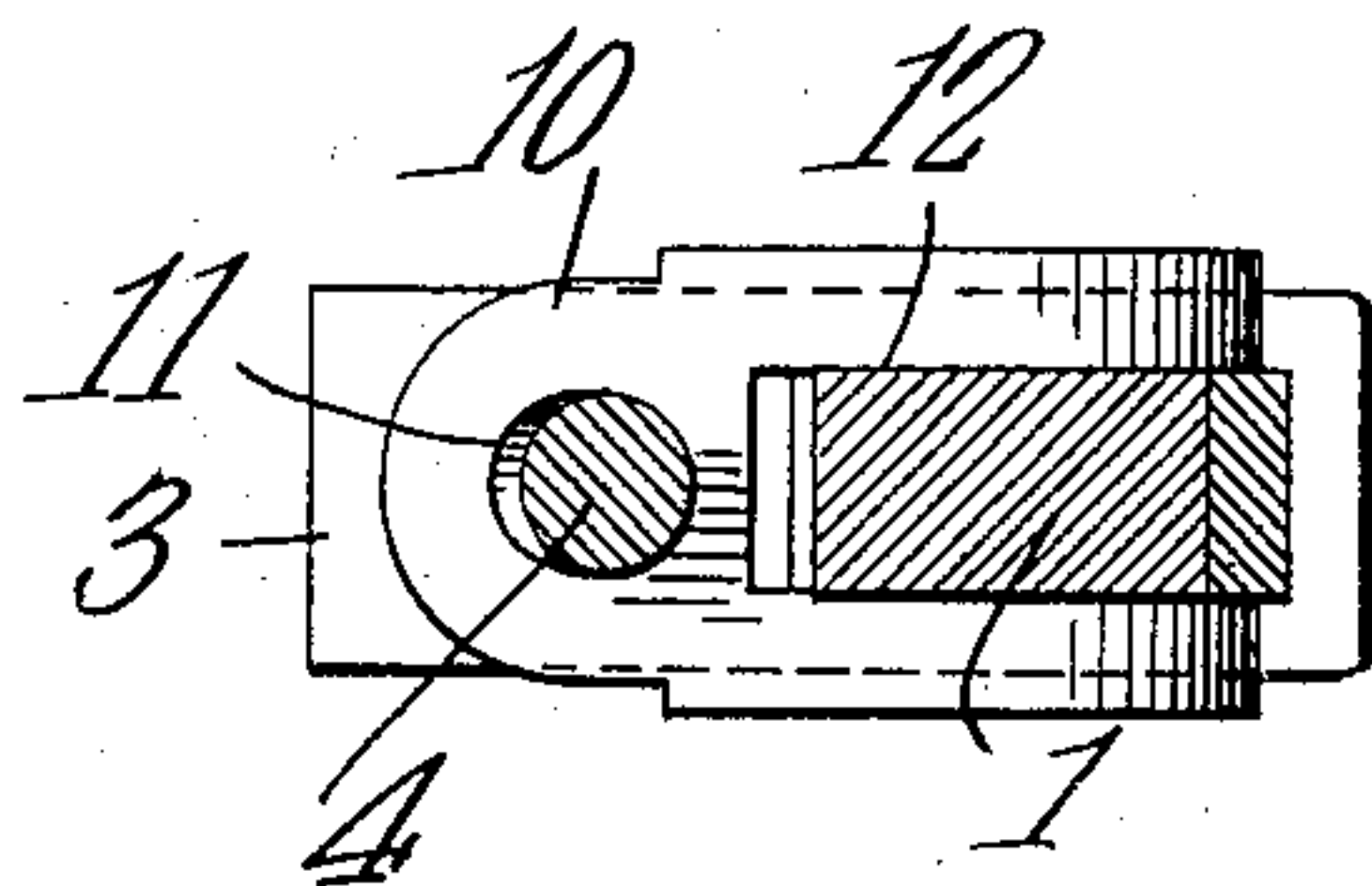
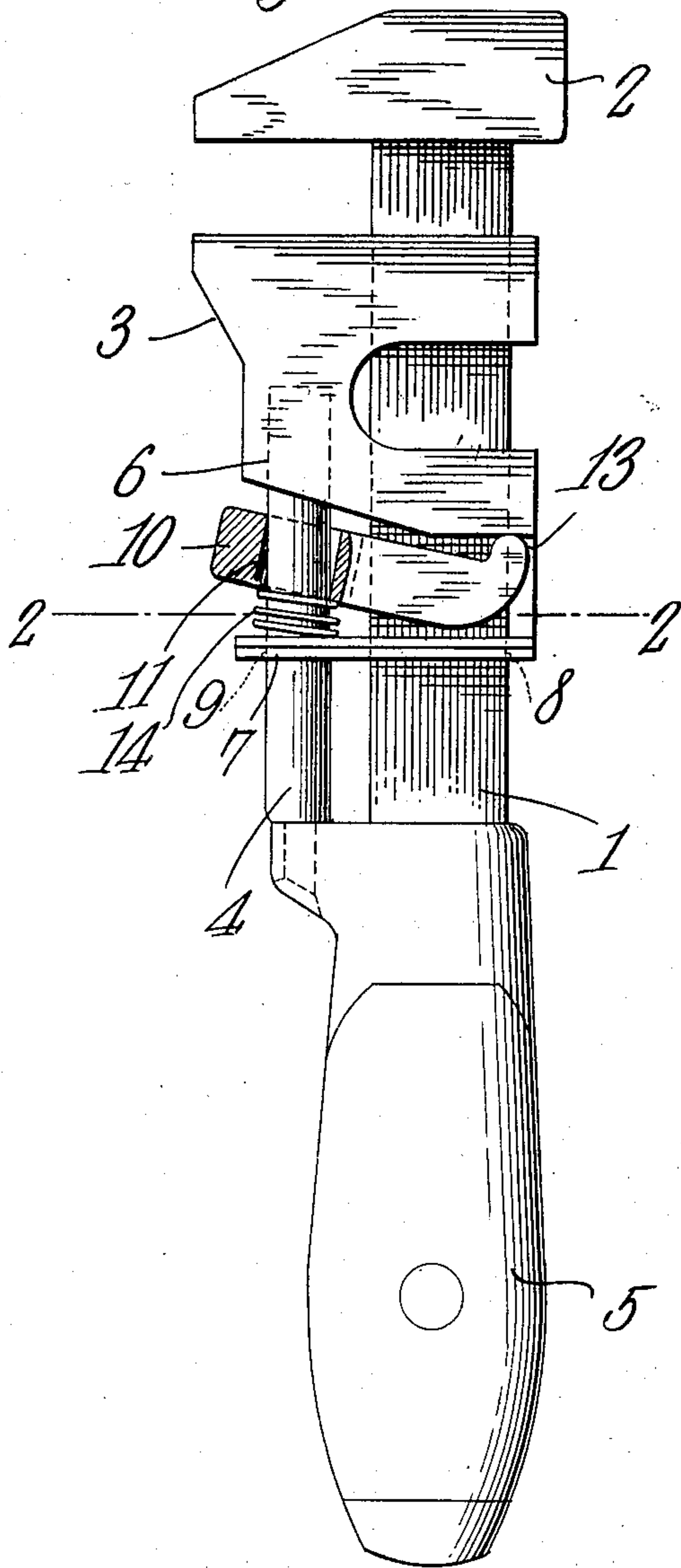


Fig. 2.

WITNESSES:

E. W. Stewart
H. D. Lawson

Charles S. Hemenway,
INVENTOR.

By *C. A. Snow & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

CHARLES SIMON HEMENWAY, OF COVELO, CALIFORNIA.

WRENCH.

No. 862,332.

Specification of Letters Patent.

Patented Aug. 6, 1907

Application filed April 9, 1907. Serial No. 367,136.

To all whom it may concern:

Be it known that I, CHARLES SIMON HEMENWAY, a citizen of the United States, residing at Covelo, in the county of Mendocino and State of California, have invented a new and useful Wrench, of which the following is a specification.

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

10 The object of the invention is to provide a wrench with a movable jaw which may be quickly adjusted with relation to the fixed jaw, the parts being of simple and substantial construction and the wrench being devoid of screw threads and adjusting nuts usually employed upon such tools.

15 In the accompanying drawings:—Figure 1 is a side elevation of the wrench with parts in section, and Fig. 2 is a transverse sectional view of the wrench cut on the line 2—2 of Fig. 1.

20 The wrench consists of the stock 1 to the end of which is attached or formed the fixed jaw 2. The movable jaw 3 is arranged to slide upon the stock 1 in the usual manner. The smooth post 4 is attached to the handle 5 and extends parallel to the stock 1. Said post is located 25 under the jaws 2 and 3 and enters an opening 6 provided in the jaw 3. The loop 7 depends from the jaw 3 and is provided with an opening 8 which receives the stock 1 and an opening 9 which receives the post 4. The said loop is disposed transversely across the said stock 1 30 and post 4. The retainer 10 is provided with an opening 11 which is slightly larger in diameter than the post 4 and which receives the said post. The opposite end of the said retainer is bifurcated as at 12 and receives the stock 1. The extremities of the last said end of the 35 retainer are upturned as at 13 and bear against the lower

edge of the jaw 3. The coil spring 14 surrounds the post 4 and is interposed between the retainer 10 and the loop 7. The said spring is under tension with a tendency to hold the retainer away from the loop. In as much as the upturned extremities 13 of the loop bear 40 against the lower edge of the jaw 3 and act as pivots the coil spring 14 normally holds the said retainer 10 in a relatively inclined position. Consequently the opposite edges of the openings 11 will engage the opposite sides of the post 4 at diagonal points and afford sufficient 45 friction to retain the movable jaw in the position upon the stock 1 to which it has been adjusted. In order to move the said jaw 3 the retainer 10 is moved with the finger into a horizontal position against the tension of the spring 14 when the edges of the opening 11 will be 50 moved out of engaging or frictional contact with the sides of the post 4 when the said jaw 3 may be quickly moved along the stock 1 to any desired point.

Having described my invention what I claim as new and desire to secure by Letters-Patent is:— 55

A wrench comprising a stock, a fixed jaw located thereon, a movable jaw located thereon, a post extending parallel with the stock and entering the movable jaw, a loop carried by the movable jaw and having openings which receive the stock and the post, a single retainer interposed 60 between the movable jaw and the loop and having an opening which receives the post and having a bifurcation which receives the stock and being provided with upturned ends which bear against the movable jaw and a spring interposed between the loop and the said retainer. 65

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

CHARLES SIMON HEMENWAY.

Witnesses:

S. P. WEST,
H. O. BOWERS.