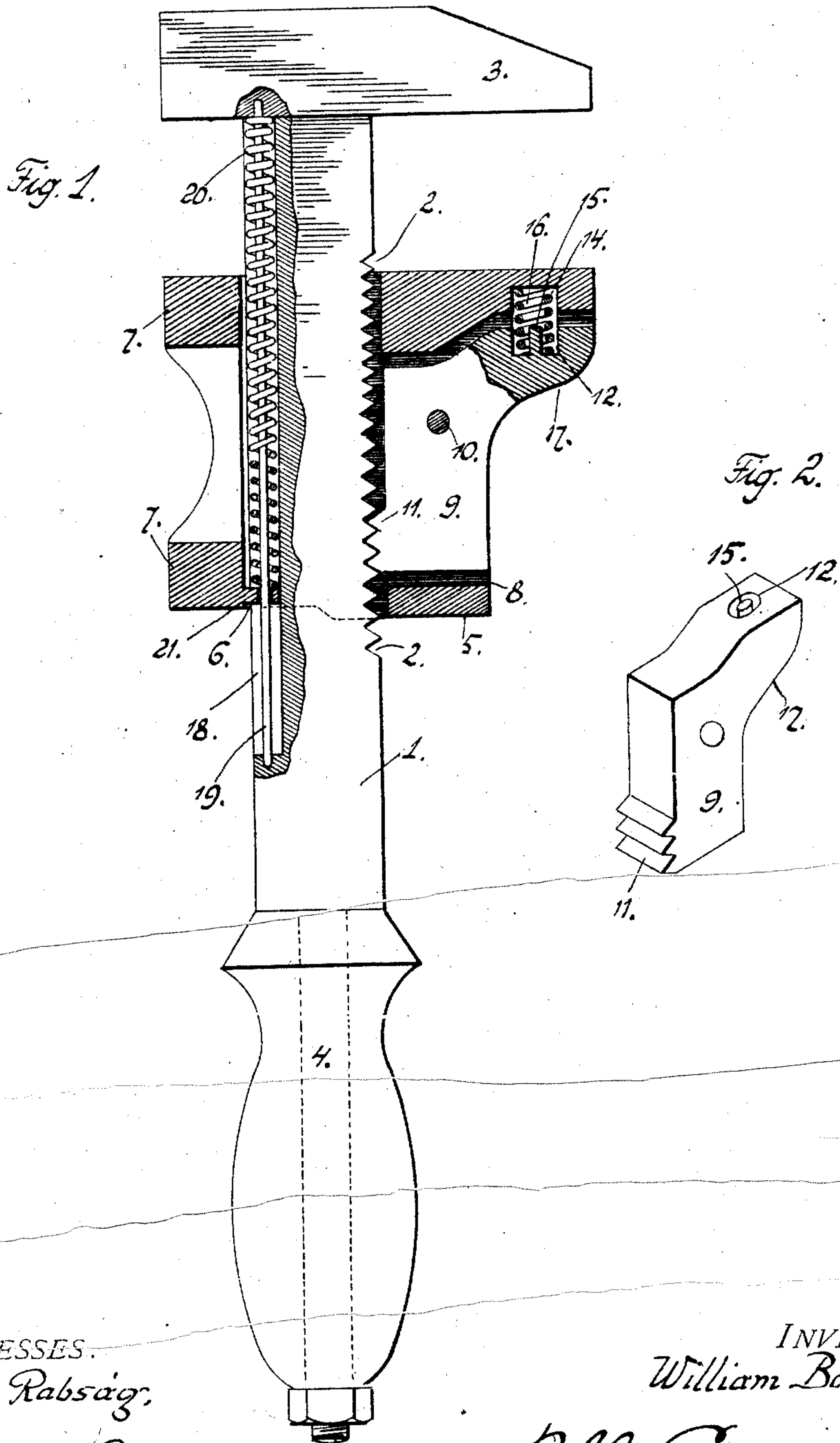


No. 864,604.

PATENTED AUG. 27, 1907.

W. BOHN.
WRENCH.

APPLICATION FILED JUNE 24, 1907.



WITNESSES.
A. H. Rabsärg,

A. H. Butler,

INVENTOR
William Bohn,

BY

H. E. Everett & Co.

Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM BOHN, OF ALLEGHENY, PENNSYLVANIA.

WRENCH.

No. 864,604.

Specification of Letters Patent.

Patented Aug. 27, 1907.

Application filed June 24, 1907. Serial No. 380,457.

To all whom it may concern:

Be it known that I, WILLIAM BOHN, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have
5 invented certain new and useful Improvements in Wrenches, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to improvements in wrenches,
10 and the invention has for its object to provide a simple and effective wrench that can be easily and quickly adjusted.

Another object of this invention is to provide a strong and durable wrench, wherein the use of screw threads
15 is entirely dispensed with for adjusting the movable jaw of a wrench.

With the above and other objects in view, which will more readily appear as the invention is better understood, the same consists in the novel construction, combination and arrangement of parts to be presently described and then specifically pointed out in the appended claims.

Referring to the drawing, Figure 1 is an elevation of a wrench, illustrating the movable jaw thereof in section,
25 and Fig. 2 is a perspective view of the locking member of the wrench.

In the accompanying drawings 1 designates the shank of the wrench, which is substantially rectangular in cross section and has one of its edges provided with
30 teeth 2, said teeth gradually decreasing in size toward the upper end of the shank, whereby a more minute adjustment can be obtained for small objects to be gripped. The shank 1 carries a fixed jaw 3 and a detachable handle 4, said jaw and handle being of the
35 conventional form. Slidably mounted upon the shank 1 is a movable jaw 5 provided with vertical openings 6, through which the shank passes and with straps 7 embracing the shank. The jaw 5 is cut away, as at 8, to accommodate the locking member 9, said member being pivotally mounted in the cut away portion of the
40 jaw, as at 10. The locking member is provided with teeth 11 to engage the teeth 2 of the shank 1, and with a recess 12 confronting a recess 14 formed in the jaw 5. In forming the recess 12 a central pin 15 is provided for
45 protruding into coiled spring 16 mounted in the recesses 12 and 14, said spring normally holding the teeth 11 of the locking member 9 in engagement with the teeth of

the shank 1. The edge of the shank 1 opposite the teeth 2 is provided with a longitudinally disposed groove 18, in which is arranged a rod 19. Surrounding
50 the rod 19 is a coiled spring 20 engaging the jaw 3, and a pierced lug 21 carried by the lowermost strap 7 of the jaw 5. The coiled spring 20 is adapted to normally hold the jaw 5 in an open position and assists in adjusting the jaw. By pressing inwardly upon the curved outer sur-
55 face 17 of the locking member 9, the teeth 11 can be moved out of engagement with the teeth of the shank 1, and the jaw 5 can be easily adjusted.

Such variations in the size, proportion and minor details of construction, as are permissible by the appended claims, can be resorted to without departing from the scope of the invention.

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

1. A wrench embodying a toothed shank having a longitudinally disposed groove formed therein, a jaw fixed upon one end of said shank, a handle carried by the opposite end of said shank, a jaw slidably mounted upon said shank and embracing said shank, a locking member pivotally mounted in said jaw, having teeth to engage
65 said toothed shank, said locking member having a recess formed therein, said jaw having a recess formed therein confronting with the recess of said locking member, a spring mounted in said recesses for normally holding the teeth of said locking member in engagement with said
70 shank, a rod mounted in the groove of said shank, a spring surrounding said rod for normally holding said jaw in an open position.

2. In a wrench, a wrench shank provided on its front face with teeth and having a longitudinally-extending
80 groove in the rear face, a rigid jaw on the upper end of said shank, a movable jaw mounted for sliding movement on the shank, a locking member pivoted within said movable jaw and having teeth for engaging with the teeth on the wrench shank, a spring for normally holding the
85 teeth of the locking member in engagement with the teeth of the shank, a rod mounted in the groove in the rear face of said shank, and a coil spring encircling said rod bearing at one end against the rigid jaw of the wrench and at its other end against the movable jaw and exerting its tension to move the movable jaw away from the rigid jaw
90 when the teeth of the locking member are disengaged from the teeth of the wrench shank.

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

WILLIAM BOHN.

Witnesses:

MAX H. SROLOVITZ,
PATRICK MCNAMEE.