

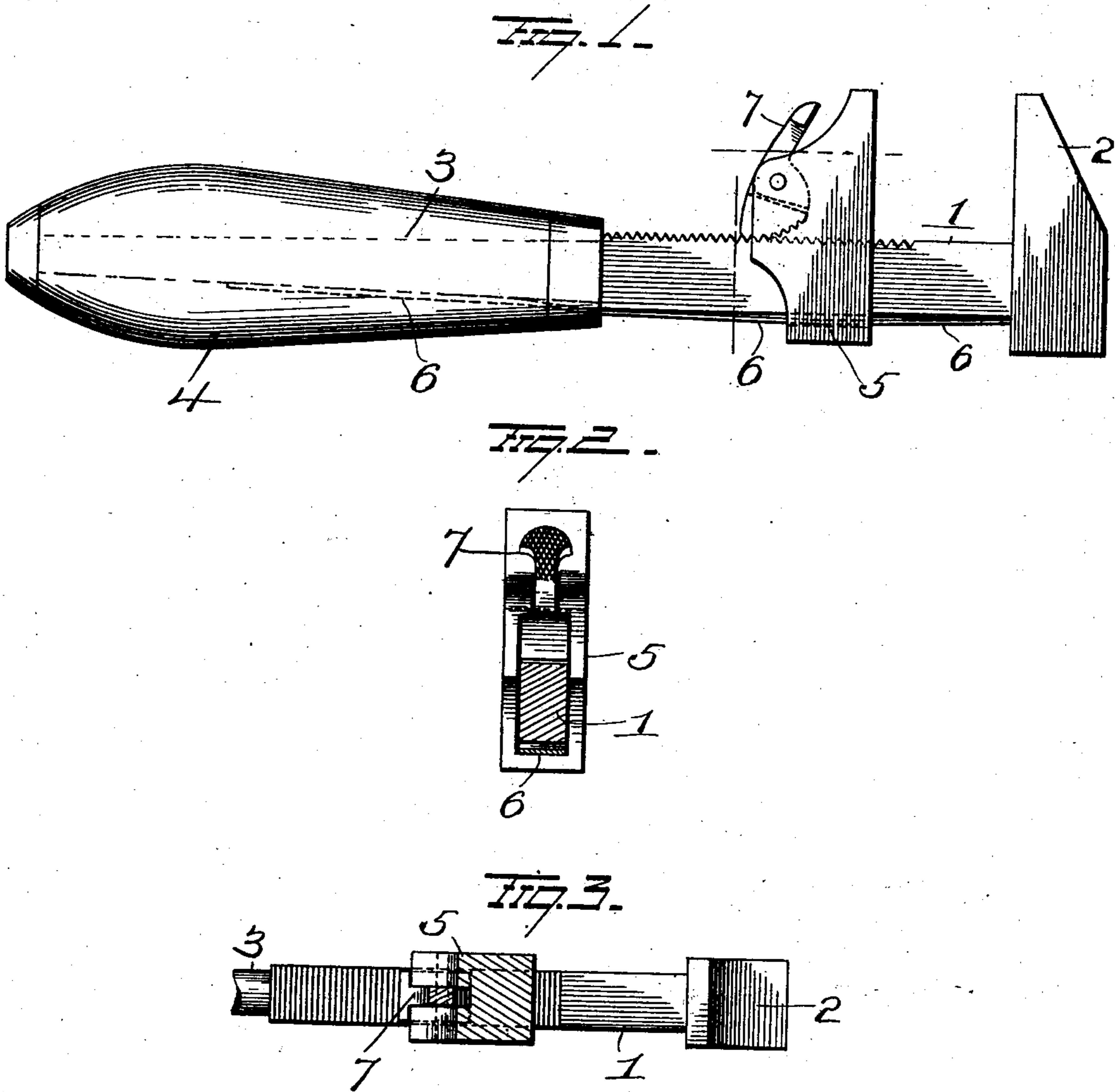
No. 756,196.

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C. HERON.
WRENCH.

APPLICATION FILED JULY 15, 1903.

NO MODEL.



WITNESSES
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CHRISTOPHER HERON, OF GALENA, ILLINOIS.

WRENCH.

SPECIFICATION forming part of Letters Patent No. 756,196, dated March 29, 1904.

Application filed July 15, 1903. Serial No. 165,597. (No model.)

To all whom it may concern:

Be it known that I, CHRISTOPHER HERON, a resident of Galena, in the county of Jo Daviess and State of Illinois, have invented certain new and useful Improvements in Wrenches; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in wrenches, the object of the invention being to provide a wrench which will permit of the quick adjustment of the movable jaw and secure the same rigidly in position when adjusted; and with this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully herein-
after described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view illustrating my improvements, and Figs. 2 and 3 are views in section thereof.

1 represents the bar of the wrench, to which is fixed or made integral at one end the stationary jaw 2, and the other end is made with a shank 3, on which a handle 4 is secured.

A movable jaw 5 is made with an angular opening therein larger than bar 1 and is mounted to slide thereon. A flat spring 6 is disposed against bar 1 and passes through the opening in jaw 5, so as to exert an outward pressure on the movable jaw, and thus hold the latter in any position to which it may be adjusted. The inner end of the spring 6 projects alongside the shank 3 and is held in place by the handle 4.

The inner face or edge of the bar 1 is toothed or serrated to be engaged by a toothed segmental cam-lever 7, pivotally supported in a recess in the rear face of the movable jaw 5.

The operation of my improvements is as follows: The rigid or stationary jaw 2 is placed against the nut and the operator pushes the free end of cam-lever 7 downward against the movable jaw, releasing it from the teeth of bar 1, when he can quickly slide the movable jaw up against the opposite side of the nut, and when the cam-lever is released its tooth-

segment will engage the teeth on bar 1, and such engagement will be facilitated by the outward pressure of the spring 6 on the movable jaw.

It will thus be seen that with my improvements adjustment can be easily and quickly made and the parts will be securely held in place.

Slight change might be made in the general form and arrangement of the parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. A wrench comprising a bar, a fixed jaw on said bar, a jaw freely movable on the bar, a flat spring secured at one end and passing through the movable jaw adjacent to one face of the bar, and a cam-lever pivotally supported by the movable jaw and engaging the opposite face of the bar.

2. A wrench, comprising a bar having a toothed or serrated surface and a fixed jaw at one end of said bar, a spring fixed at one end and extending along the edge of the bar opposite the serrated face, a movable jaw mounted on the bar and embracing the spring, and a toothed segmental cam-lever hinged to the movable jaw in position to engage the toothed or rough edge of the bar.

3. A wrench, comprising a serrated bar having a fixed jaw at one end and a shank at the other end, a movable jaw mounted on the bar, a cam-lever pivoted to the movable jaw and adapted to engage the serrations of the bar, a spring passing between the bar and movable jaw and a handle secured on the shank and embracing the rear end of the spring.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CHRISTOPHER HERON.

Witnesses:

C. L. RYAN,

H. G. McCLOSKEY.