(No Model.)

A. NELSON.

WRENCH.

No. 249,477. Patented Nov. 15, 1881.

Fig. 1.

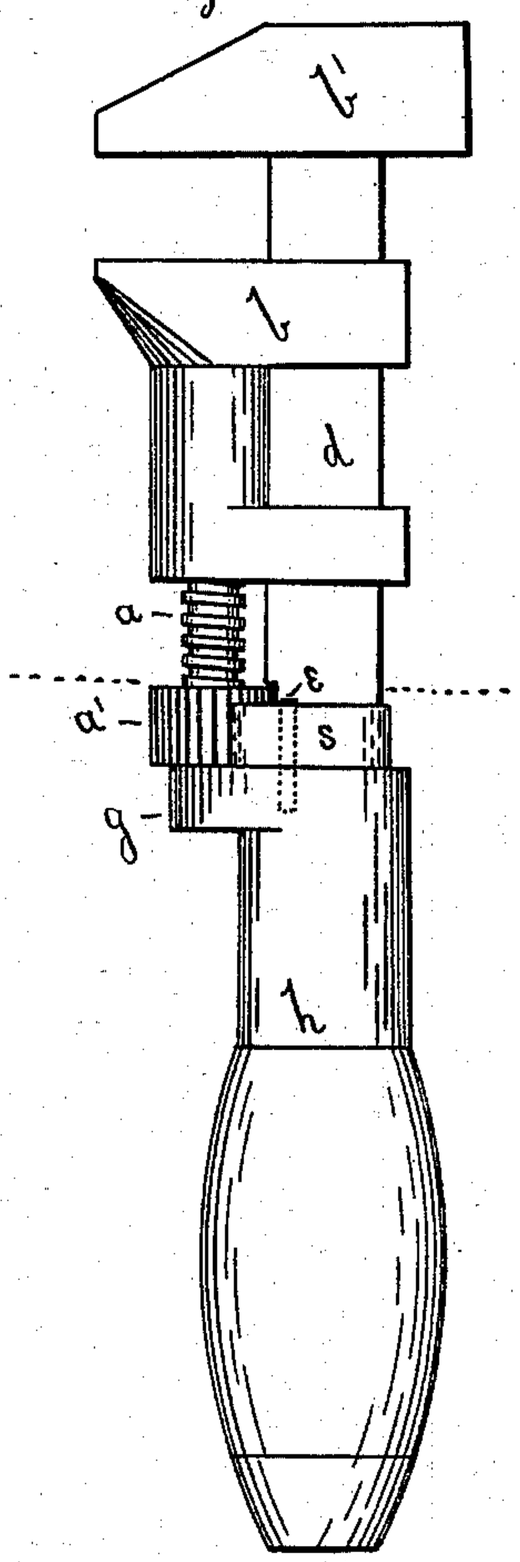


Fig. 2.

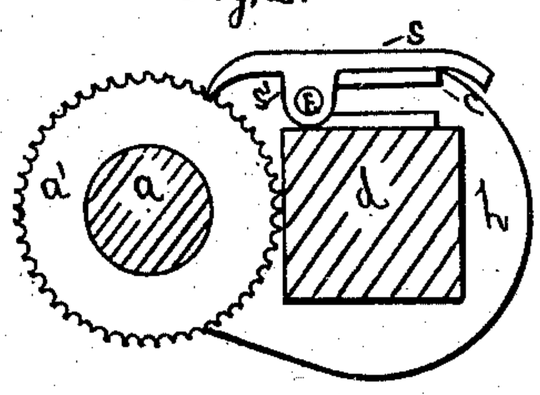
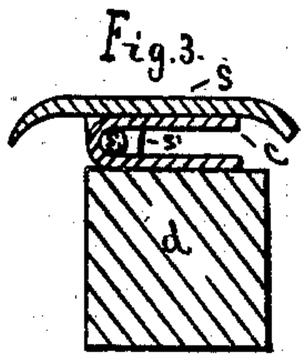


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

AUGUST NELSON, OF KENT, OHIO.

WRENCH.

SPECIFICATION forming part of Letters Patent No. 249,477, dated November 15, 1881.

Application filed May 12, 1881. (No model.)

To all whom it may concern:

Be it known that I, AUGUST NELSON, of Kent, Portage county, Ohio, have invented a new and useful Improvement in Wrenches, of which the following is a specification.

The nature and object of my invention are a stop or spring-catch, in combination with the adjusting-screw which operates the movable jaw of the wrench for the purpose of locking the screw when the jaw has been adjusted.

In the drawings, forming a part of this specification, Figure 1 is an elevation. Fig. 2 is a cross-section, on an enlarged scale, at the dotted line in Fig. 1. Fig. 3 is a sectional view representing the spring-stop on an enlarged scale.

The movable jaw *b* of the ordinary monkey-wrench, represented by Fig. 1, is adjusted toward and from the stationary jaw *b'* by turning screw *a* in the movable jaw, which is provided with a female screw to receive screw *a*. The head *a'* of screw *a* is cylindrical and pivoted in the abutment *g* of handle *h*. The spring catch or stop *s* is pivoted on pin *e*, (shown by dotted lines in Fig. 1,) which is firmly inserted in the end of handle *h*. One end of stop *s* is firmly held against the circumference of screw-head *a'* by spring *c*.

It is preferable that the circumference of screw-head *a'* should be slightly toothed or furrowed, (as it usually is in this class of monkey-wrenches,) so that the end of stop *s* may enter the furrows, and thereby prevent the turning of screw *a* more effectually than by the simple friction of the stop on a screw-head having a smooth circumferential surface.

Spring *c* is doubled or bent over pin *e* between the ears *s'* of stop *s*, the lower part of the spring resting on the bar *d* of the wrench, and the upper part pressing against the under side of stop *s*, as shown in Figs. 2 and 3.

In adjusting the movable jaw *b* by turning screw *a* the screw-head *a'* should first be released from stop *s* by pressing the thumb or finger on the stop. When the movable jaw has been properly adjusted, then by removing the pressure of the finger on the stop *s* the reaction of the compressed spring *c* forces the end of stop *s* down on screw-head *a'* to retain it in position.

I claim as my invention—

In a wrench having one of its jaws actuated by a screw, the combination, with the milled head of said screw, of the spring-stop *s*, attached to the part carrying the stationary jaw of the wrench, substantially as and for the purpose set forth.

AUGUST NELSON.

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