

No. 848,194.

PATENTED MAR. 26, 1907.

A. L. McMURTRY.
MAGAZINE SOCKET NUT WRENCH.
APPLICATION FILED DEC. 11, 1906.

FIG. 1.

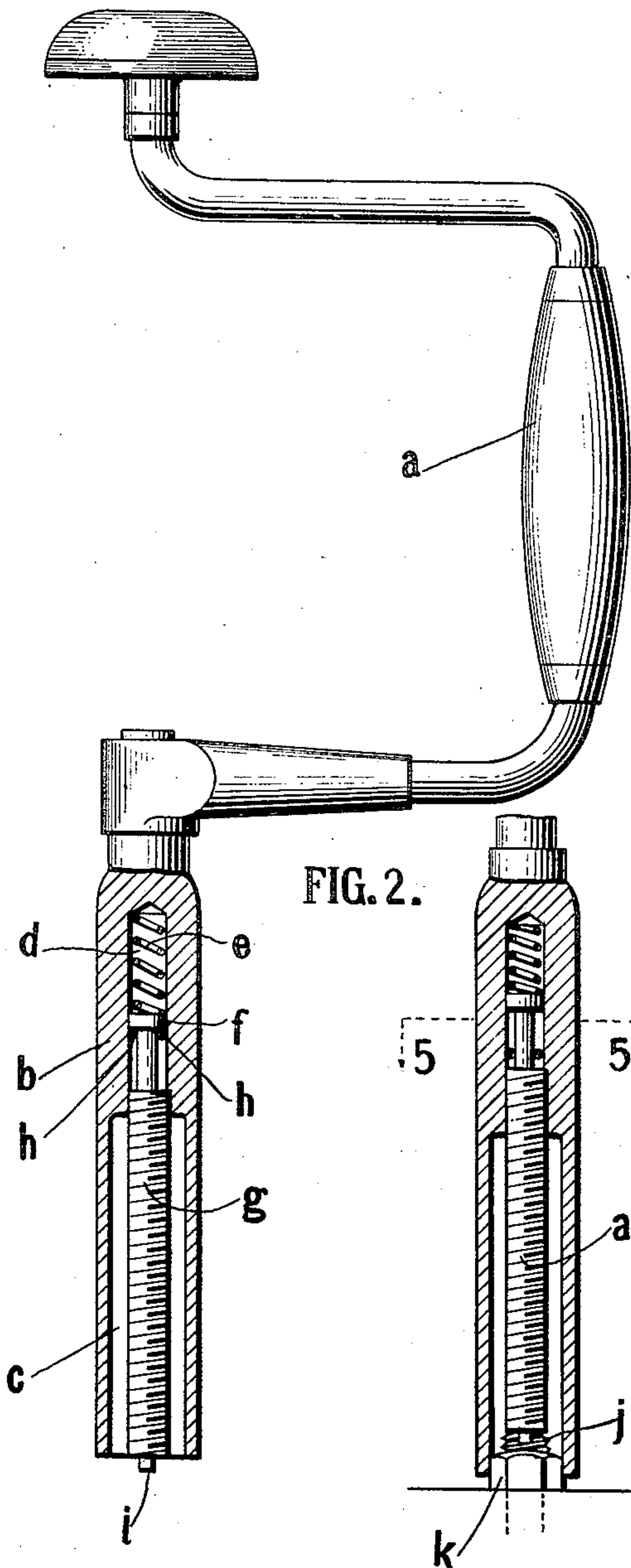


FIG. 4.

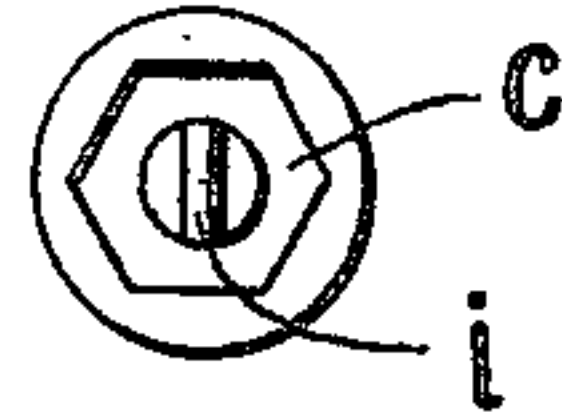


FIG. 5.

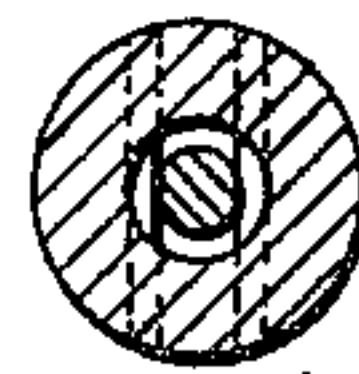
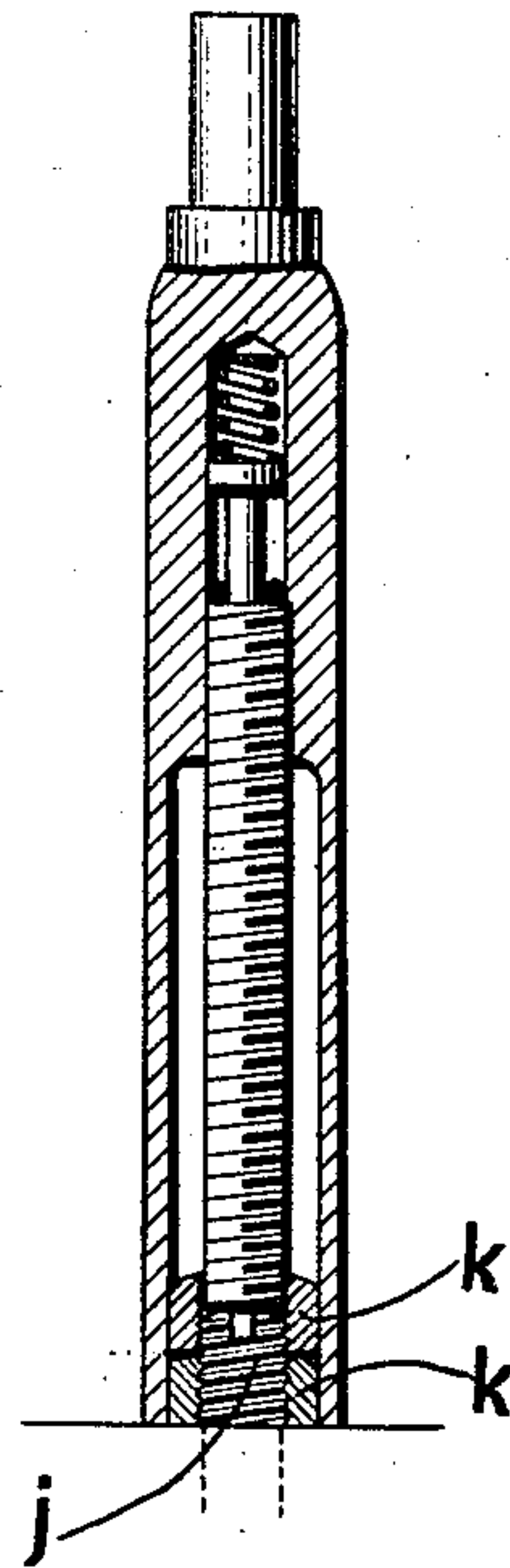
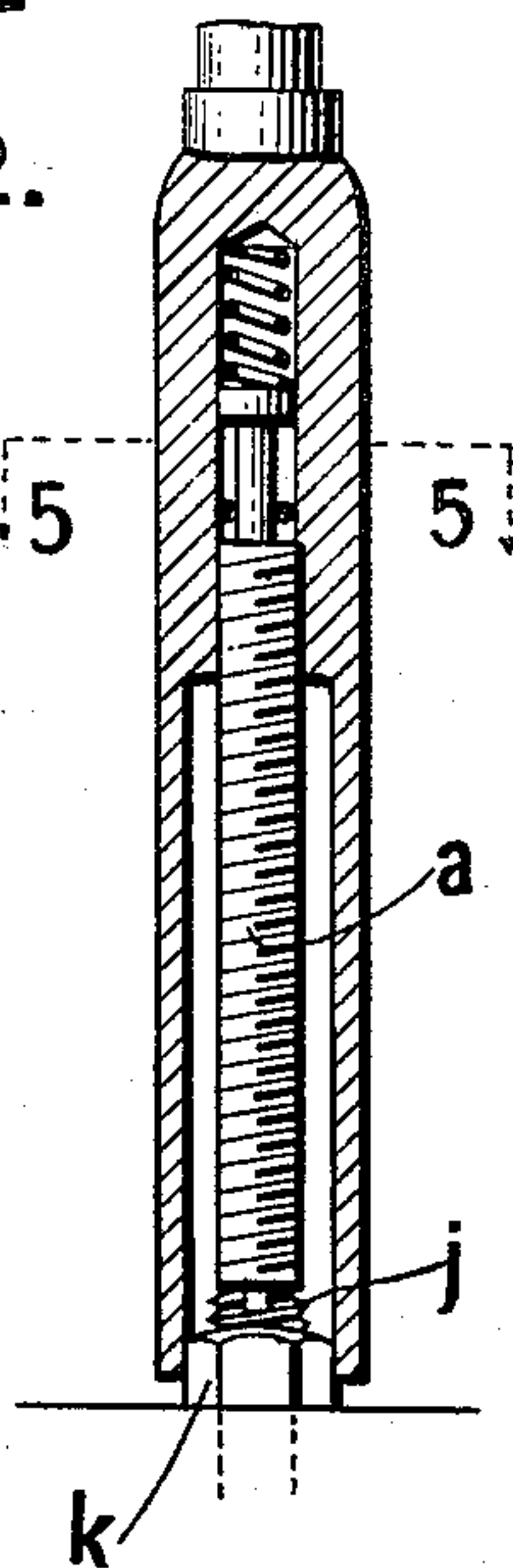


FIG. 3.

FIG. 2.



Witnesses
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MAGAZINE-SOCKET NUT-WRENCH.

No. 848,194.

Specification of Letters Patent.

Patented March 26, 1907.

Application filed December 11, 1906. Serial No. 347,387.

To all whom it may concern:

Be it known that I, ALDEN L. McMURTRY, a citizen of the United States, residing in the borough of Manhattan, city, county, and State of New York, have invented a Magazine-socket Nut-Wrench, of which the following is a specification.

This invention relates to a style of nut-wrench invented by me wherein there is a magazine adapted to receive and hold, with their axes coincident, a plurality of nuts. The nuts may be accumulated in the magazine as they are removed one by one from bolts and may in like manner be applied by the wrench, one by one, to bolts.

The special features comprising the invention are hereinafter set forth in detail.

Figure 1 is a side elevation showing the wrench in longitudinal section in the form of a bit applied to an ordinary brace. Figs. 2 and 3 are respectively longitudinal sections showing the magazine-wrench under different conditions; Fig. 4, an end view, and Fig. 5 a transverse section on the line 5 5 of Fig. 2.

The wrench is shown as to be operated by an ordinary brace *a*, which is a convenient means for certain uses and in certain relations. The wrench proper comprises a hollow cylinder *b*, having a bore of two different diameters. The outer or larger parts *c* of the bore is of a cross-section to fit the nuts and constitutes the magazine portion of the wrench. The inner smaller part *b* of the bore has seated in it a coiled spring *e*, bearing upon the head *f* of a stem *g*, adapted to move within the bore and limit it in its downward movement by two cross-pins *h h*, one on each side of the head *f*. The outer portion of this stem is screw-threaded, and its end face is formed with a diametric rib *i*.

This wrench is to be used in connection with bolts having a kerf across their outer

ends, as seen in Figs. 2 and 3, wherein *j* indicates the bolt, and *k* the nuts. To remove a nut from a bolt, the rib *i* on the end face of the elastically-supported yielding screw-threaded stem *g* is pressed into the kerf in the end of the bolt, permitting the nut to partially enter the magazine, by rotation of which, the stem *g* being held against rotation, the nut is caused to enter the magazine and screw upon the stem. In this way nuts may be removed from bolts one by one until the magazine is full and may in like manner be replaced upon their bolts one by one.

The details of construction may, no doubt, be varied without departing from the characteristic features of this wrench as set forth in the claims.

I claim—

1. A magazine-socket nut-wrench comprising a straight hollow body constituting the nut-magazine interiorly shaped to receive and hold the nuts against independent rotation, a centrally-arranged threaded stem adapted to receive the nuts, one of said parts being movable relatively to the other in the line of their axes and a projection on the threaded stem adapted to engage a recess in the bolt to hold the stem against rotation.

2. A magazine-socket nut-wrench comprising a hollow body constituting the nut-magazine interiorly shaped to hold the nuts against independent rotation and an elastically-supported yielding threaded stem mounted centrally in the nut-magazine and formed on its end face to engage with a bolt from which a nut is to be removed.

In testimony whereof I have hereunto subscribed my name.

ALDEN L. McMURTRY.

Witnesses:

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E. F. WICKS.