

(Model.)

G. T. FINAGIN.
MONKEY WRENCH.

No. 247,328.

Patented Sept. 20, 1881.

Fig. 1

Fig. 2

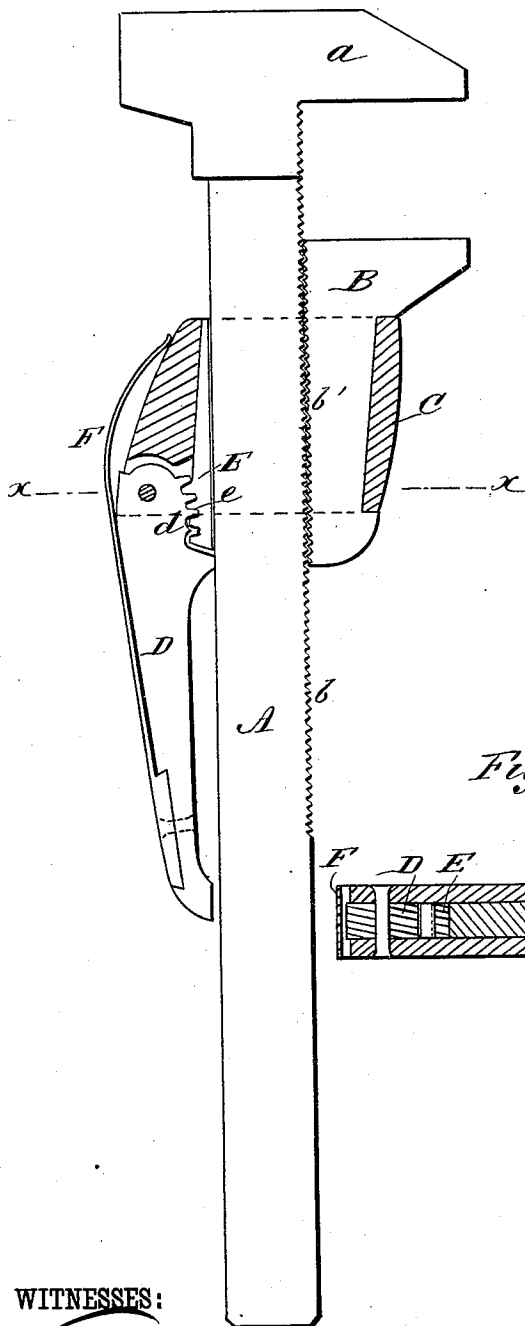
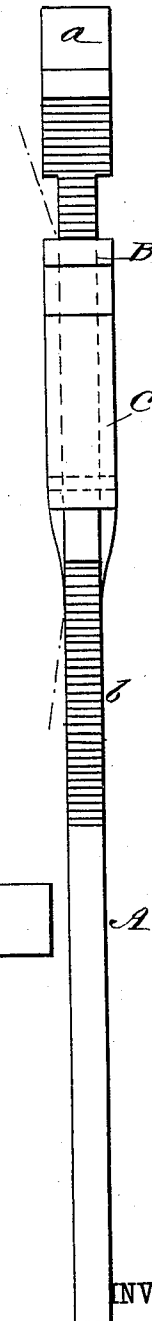
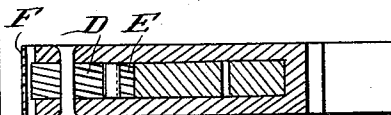


Fig. 3



WITNESSES:
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BY *Mumford*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE T. FINAGIN, OF PIOCHE, NEVADA.

MONKEY-WRENCH.

SPECIFICATION forming part of Letters Patent No. 247,328, dated September 20, 1881.

Application filed May 9, 1881. (Model.)

To all whom it may concern:

Be it known that I, GEORGE T. FINAGIN, of Pioche, in the county of Lincoln and State of Nevada, have invented a new and Improved Monkey-Wrench, of which the following is a full, clear, and exact description.

The object of my invention is the production of a monkey-wrench of simplified construction and one the jaws of which can be set to engage with nuts of larger size than those of the same length of handle now in use, and one in which the movable jaw is firmly held while grasping the nut, and the handle thereof braced and stiffened and held against danger of springing while under strain.

In the accompanying drawings, Figure 1 is a side elevation of my invention with one side of the sliding yoke removed. Fig. 2 is a front elevation of the same, and Fig. 3 is a cross-section taken on the line *xx* of Fig. 1.

Similar letters of reference indicate corresponding parts.

The handle A, which carries the fixed jaw *a*, is preferably formed of a single piece or bar of steel, and the front edge of the handle is serrated a portion of its length, as shown at *b*, or the serrations may extend the entire length of the handle, if desired. The movable or sliding jaw B is also preferably of steel, and the face *b'* thereof is formed with serrations to correspond with the serrations of the handle A. The side of the movable jaw opposite the serrations is cut away, as shown, to form a seat for the broad band or yoke C, which surrounds the movable jaw and the handle.

In the recess *c*, which is formed in the upper side of the yoke C, is pivoted the lever D, which is provided at its forward end with the teeth or cogs *d*, which engage with the teeth

or cogs *e*, formed on the end of the wedge E, which moves in a wedge-shaped chamber formed between the handle A and the yoke C, and serves, when the lever is in the position shown in Fig. 1, to firmly lock the serrated edges of the movable jaw and the handle together, thus holding the movable jaw in place for turning the nut. The lever is normally held in the position shown in Fig. 1 by the spring F, which is riveted at one end to the lever, the other end thereof impinging upon the upper side of the yoke C. In order to set the movable jaw the lever D must be raised, which will withdraw the wedge E, and disengage the serrated edges of the movable jaw and the handle, permitting the jaw and the yoke to be readily moved in position to fit any sized nut, in which position it will be locked by simply permitting the lever to drop to place.

It will be observed that by this construction the broad serrated surface of the movable jaw and the yoke re-enforce the handle at the point where in use the greatest strain comes, and thus stiffen the handle at that point and hold it from springing, and thus prevent all danger of the edges of the nut turning between the jaws.

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

The serrated handle A, serrated movable jaw B, and yoke C, in combination with the toothed lever D and wedge E and the lever-spring F, substantially as and for the purposes specified.

GEORGE THEODORE FINAGIN.

Witnesses:

WILFORD CUBBAGE,
BEN. F. THOMAS.