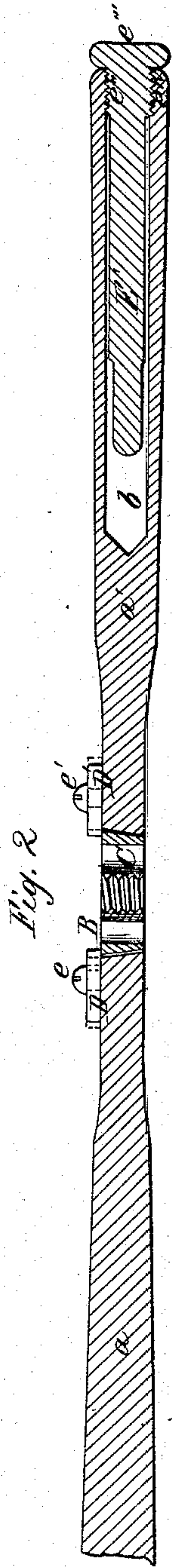
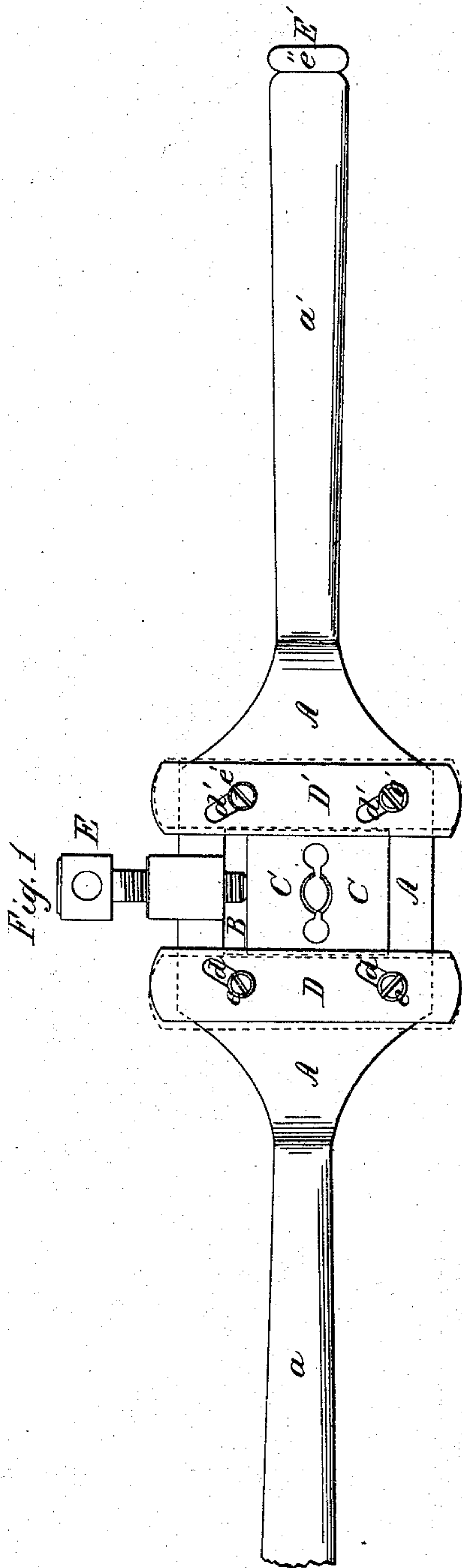


E. C. C. Kellogg.

Die Stock

N^o 47,898.

Patented May 23, 1865.



Witnesses
J. W. Reed.

Inventor
E. C. C. Kellogg
per Brown, Coombs & Co
Attorneys.

UNITED STATES PATENT OFFICE.

E. C. C. KELLOGG, OF HARTFORD, CONNECTICUT, ASSIGNOR TO HIMSELF
AND JAMES E. COLEMAN, OF SAME PLACE.

IMPROVEMENT IN STOCKS FOR HOLDING SCREW CUTTING DIES.

Specification forming part of Letters Patent No. 47,898, dated May 23, 1865.

To all whom it may concern:

Be it known that I, E. C. C. KELLOGG, of the city and county of Hartford, and State of Connecticut, have invented a new and useful Improvement in Stocks for Holding Screw-Cutting Dies; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a plan view of my improvement. Fig. 2 is a vertical central section of the same.

Like letters of reference indicate corresponding parts in both figures.

The object of the first part of this invention is to afford greater facility for the removal of the dies from the stock, and to enable one set of dies to be changed for another set of different size in a more expeditious manner than is practicable with the modes of securing them heretofore used; and to this end it consists in the employment, for securing the dies in a taper opening in the stock, of two obliquely-slotted plates, constructed and applied as hereinafter described.

My invention further consists in making one of the handles of the die stock hollow, for the purpose of receiving, when not in use, the pin-wrench or "tommy" which is used for tightening or slacking off the screw which holds the dies against the rod or bolt upon which they may be operating, such wrench being provided with a male screw-thread to enable it to screw into a female screw-thread within the hollow handle of the stock.

To enable others skilled in the art to construct and operate my invention, I will proceed to describe the same with reference to the drawings.

A is the stock, with an opening, B, tapering downward, for the reception of the dies C C. Upon the upper face of this stock are the two plates D D', each made with two oblique slots, *d d* and *d' d*, into which fit the stationary necks of the screws *e e e' e'*, which are screwed into the stock to hold the said plates and make them confine the dies within the opening B by lapping over the sides thereof. When pressure is applied to the ends of the said plates, which are long enough

to project beyond the front and back of the stock, they move obliquely on the screws *e e' e'* in such manner as to carry their inner edges toward or from the center of the stock according to the end to which the pressure is applied, the pressure in one direction causing them to move outward to the position shown in dotted red outline in Fig. 1, for the purpose of liberating the dies and allowing them to drop out when the stock is inverted, and the pressure in the opposite direction causing them to come over the edges of the dies, as shown in black outline in Fig. 1, and secure them in place. The screws *e e e' e'* should be screwed upon the plates D D' just tight enough to hold them in place, but not tight enough to prevent them from being moved by pressing their ends upon a bench while the stock is held by both handles. The said screws being so adjusted obviate the necessity of removing any portion of the stock or running back the feed-screw E farther than is sufficient to slacken the dies when it is desired to charge or remove the dies. The stock A is provided in the ordinary manner with two handles or levers, *a* and *a'*, the latter of which has a longitudinal cylindrical cavity, *b*, within it for the purpose of receiving, when not in use, the pin-wrench E', by which the feed-screw E is turned, and which is provided with a male screw, *e''*, and a milled head, *e'''*, the said male screw fitting into the female thread *e^{iv}*, cut upon the interior of the mouth of the cavity *b*. In this way the loss or mislaying of the wrench is prevented.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The slotted plates D D' and screws *e e e' e'*, in combination with each other and with the stock and dies, substantially as and for the purpose herein specified.

2. The cavity *b* in the handle *a'*, having a female screw-thread, *e^{iv}*, at its mouth, in combination with the pin-wrench E', having a male screw-thread, *e''*, near its head, substantially as and for the purpose herein specified.

E. C. C. KELLOGG.

Witnesses:

S. D. EELS,

H. J. RAYNOR.