HENRY C. MEYER.

Improvement in Die-Cutter Stocks.

No. 127,257. Patented May 28, 1872.

Fig. 1

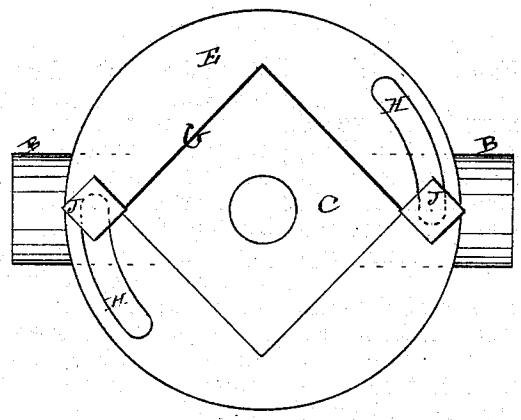


Fig. 2

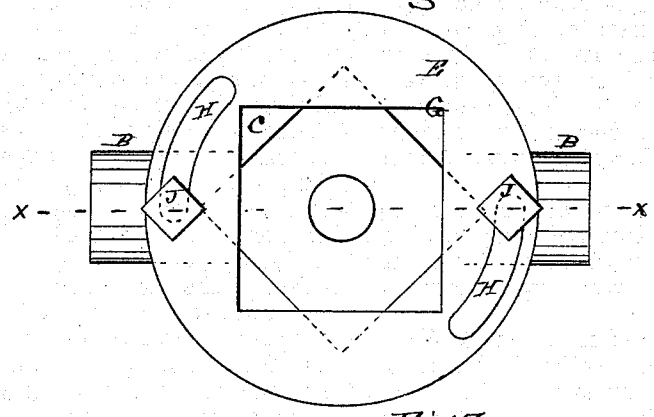
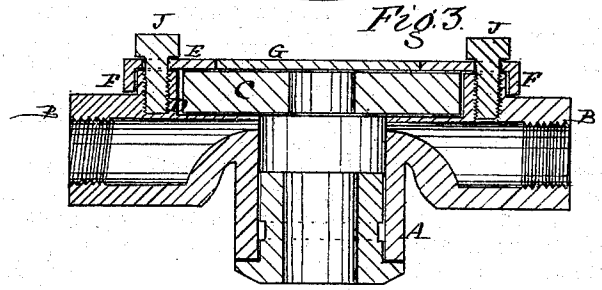


Fig. 3.



Witnesses
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AM. PHOTO-LITHOGRAPHIC CO. N.Y. (OSBORNE'S PROCESS)

UNITED STATES PATENT OFFICE.

HENRY C. MEYER, OF FLUSHING, NEW YORK.

IMPROVEMENT IN DIE-CUTTER STOCKS.

Specification forming part of Letters Patent No. 127,257, dated May 28, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, HENRY C. MEYER, of Flushing, Queen's county, State of New York, have invented certain new and useful Improvements in Die-Cutter Stocks for cutting threads on gas-pipes and other articles; and I do hereby declare that the following is a full description of the same.

The object of my invention is to obviate the objection to the use of die-cutter stocks wherein the cap-plate to hold the die in the stock has to be removed entirely from the face thereof to admit of the die being secured in its seat in the stock; and the nature of my invention consists in combining with a die-stock a revolving cap-plate having a central square opening through it for the insertion of the die into the stock, and flanges on its lower edges for supporting and holding it firmly upon the face of the stock by means of binding-screws, and yet allow of its rotation thereon for the insertion or removal of the die without removal from the face of the stock.

But, to describe my invention more particularly, I will refer to the accompanying drawing forming a part of this specification, the same letters of reference wherever they occur referring to like parts.

Figure 1 is a plan view of the die-stock, showing the cap-plate in the position for inserting the die. Fig. 2 is a plan view of the same, showing the cap-plate in the position when the die is locked or secured in the stock. Fig. 3 is a vertical cut section of the die-stock through the line *x x*, Fig. 2.

Letter A represents an ordinary die-stock, having sockets B at each side of it for the adjustment therein of handles for turning it to cut the threads on the end of a pipe or other article by means of the die C. This die is adjusted in a seat, D, formed in the upper side of the stock, whose sides are of the same depth as the thickness of the die. Upon the upper face of the stock is secured a cap-plate, E, of a circular form, with flanges F surrounding its periphery, so as to fit down over the outer edges of the die-stock. By this arrangement of the cap-plate the upper edge of the stock becomes the axis upon which the cap rotates, and is thus not only rotated upon the stock, but is also securely and firmly held in contact with it, and evenly upon the face of the die, to facilitate the cutting of a smooth and even thread on the pipe. In the center part of the cap-plate is cut a square opening, G, of the same area as the die and its seat in the stock, and at opposite sides of the opening G are cut also two curved slots, H, of about one-eighth the circumference of the cap-plate. The object of the central square opening is to admit of the insertion of the die through it when the cap-plate is in the position shown in Fig. 1, and the object of the curved slots is for the purpose of allowing the cap-plate to rotate on the binding-screws J from left to right, as shown in Fig. 2, to overlap the ends of the die, and thus, when the binding-screws are set up, lock the die firmly in the stock.

It will be obvious that by this method of combining a revolving cap-plate the die may be taken out or placed in the stock by the simple operation of loosening the binding-screws; also that the cap-plate is always in connection with the face of the stock, and, at the same time, the binding-screws retain their places, and consequently the one can never get broken or the binding-screws get misplaced or lost, as is frequently the case where they have to be entirely removed from the stock to take the cap-plate off to insert the die in its seat.

Having now described my invention, I will proceed to set forth what I claim and desire to secure by Letters Patent of the United States—

The combination of the die-stock A, flanged and slotted plate G, and screws J, all being combined and arranged relative to one another, substantially as described.

HENRY C. MEYER.

Witnesses:

R. ROWLEY,

CHARLES L. BARRITT.