

S. P. M. Taster,

The Stock.

No. 105861.

Patented July 26. 1870.

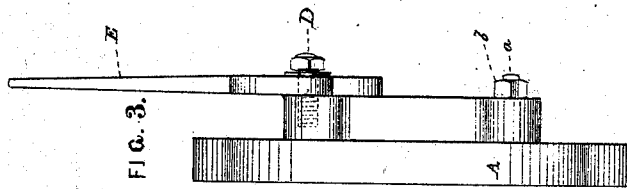


FIG. 3.

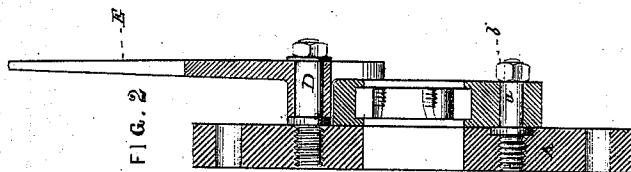


FIG. 2.

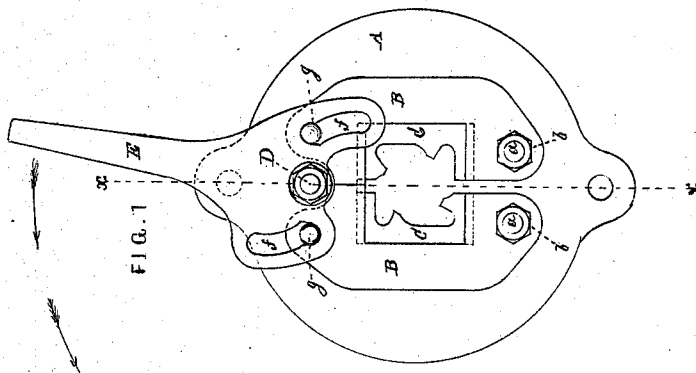


FIG. 1.

WITNESSES.

Thomas J. Dewley
Adam Hartman

INVENTOR.

Stephen P. M. Taster
By his Attorney
Stephen Utick

United States Patent Office.

STEPHEN P. M. TASKER, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 105,861, dated July 26, 1870.

IMPROVEMENT IN DIE-STOCKS.

The Schedule referred to in these Letters Patent and making part of the same

I, STEPHEN P. M. TASKER, of the city of Philadelphia and State of Pennsylvania, have invented certain Improvements in Opening and Closing Dies, of which the following is a specification.

The nature of my invention consists of a lever having double inclined slots, which are connected by means of pins with the stocks of expanding dies, in such a manner that the movement of the lever in one direction expands the dies, and a reverse motion closes them, as hereinafter described.

It also consists of a peculiar shape of the slots at their inner end, whereby the stocks are held securely during the cutting operation of the dies, without resorting to the usual method of fastening by means of pawls.

To enable others skilled in the art to which my improvement appertains to make and use my invention, I will now give a detailed description thereof.

In the accompanying drawing, which makes a part of this specification—

Figure 1 is a plan view of the improved device.

Figure 2 is a section at the line *x x* of fig. 1.

Figure 3 is an edge view.

Like letters in all the figures indicate the same parts.

A is the bed-plate, to which the stocks B B of the die-plates C C are pivoted at one end, by means of the pins *a a*. The said pins have nuts *b b*, which hold the stocks B B against the bed-plate.

D is the fulcrum-pin, which projects outward from the bed-plate A, for the connection of the lever E. There is a confining-nut, *d*, on the outer end of the pin.

The lever E has slots *f f*, which are inclined in reverse directions. These slots receive the outer ends of the pins *g g*, which project from the expanding end of the stocks B B.

By moving the lever E in the direction of the arrows, the inclined slots *f f* force the pins *g g* outward from the fulcrum-pin D, and the expanding ends of the stocks B B are thrown outward to expand the die-plates C C.

When the lever is returned to the position it assumes in fig. 1, the pins *g g* rest in the ends of the slots *f f*, which have parallel sides at right angles to the fulcrum-pin D, whereby the stocks B B are held firmly in position during the cutting operation of the dies, as before stated, without the aid of pawls or other movable devices.

The bed-plate A may be dispensed with by using a connecting-strap with the pins *a a*, and a movable strap at the other end for holding the fulcrum-pin D.

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

The lever E, having slots *f f*, in combination with the fulcrum-pin D, and cutter-stocks B B, arranged and operating substantially in the manner and for the purpose set forth.

In testimony that the above is my invention, I have hereunto set my hand and affixed my seal this 13th day of June, 1870.

STEPHEN P. M. TASKER. [L. s.]

Witnesses:

STEPHEN USTICK,
THOMAS J. BEWLEY.