W. Pimlott.

Die Stock.

No. 50,731. Patented Oct. 31, 1865.

Fig. 1

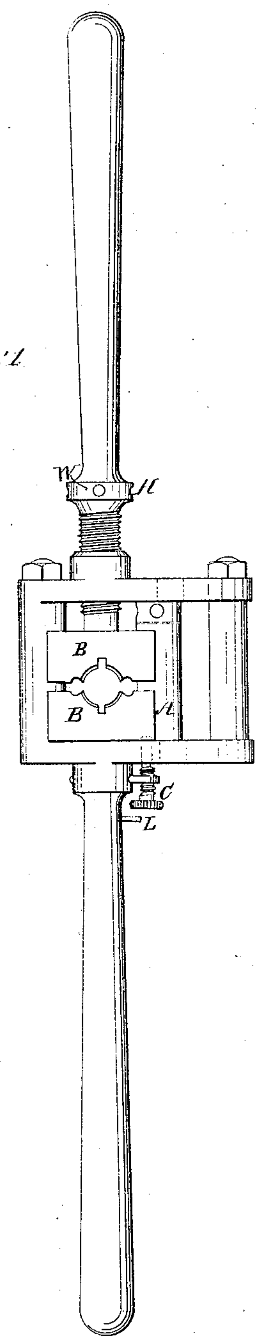


Fig. 2

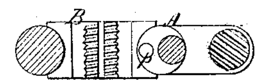
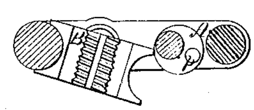


Fig. 3



Witnesses;

Inventor;
William Pimlott

UNITED STATES PATENT OFFICE.

WM. PIMLOTT, OF SYRACUSE, NEW YORK.

IMPROVEMENT IN STOCKS FOR HOLDING SCREW-CUTTING DIES.

Specification forming part of Letters Patent No. **50,731**, dated October 31, 1865.

To all whom it may concern:

Be it known that I, WILLIAM PIMLOTT, of the city of Syracuse, county of Onondaga, and State of New York, have invented certain new and useful Improvements in Die-Stocks, whereby great advantages are gained in their use in the saving of time and labor in changing the dies of variable forms and sizes; and I do hereby declare the following to be a sufficiently accurate description of the same to enable any one skilled in such matters to construct and use the same, reference being made to the accompanying drawings and letters of reference thereon, which form a part of my specification, in which—

Figure 1 represents a plan of the stock with the dies in working position; Fig. 2, a partial plan and section of the same, showing one-half of the die in working position and its relative connections with the stock. Fig. 3 shows the relative positions of the die with the stock as it is being removed.

Like letters refer to like parts in all the drawings.

It may here be remarked that many devices have been produced to enable practical mechanics to change the dies in their stocks without the loss of time or labor; but I have found in all with which I am familiar that even though the dies be relieved from the pressure of their binding-screws, the cuttings or chips of metal which they make often wedge in the stock so tightly that much time is lost in their removal.

This difficulty I have found by frequent experiments is entirely overcome by my improvement, which consists simply in the introduction of an eccentric guide or bearing, A, at one end of the die B, which, upon being placed in the position as shown at A, Figs. 1 and 2, will retain the die in working position, but when turned backward, as shown at A, Fig. 3, will release the die and permit another to be introduced in its place. The guide A is held in working position by the set-screw C, Fig. 1, which enters the hole in the end of the eccentric guide A, shown at P, Figs. 2 and 3. The dies are pressed together by the handle H, Fig. 1, being turned inward either by the hand or a wrench introduced at W, Fig. 1. The pin L, Fig. 1, is simply introduced to prevent the set-screw C from being run back farther than is necessary.

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

The eccentric guide or bearing A, substantially as described, and for the purposes set forth.

WILLIAM PIMLOTT.

Witnesses:

GEO. J. GARDNER,

P. H. AGAN.