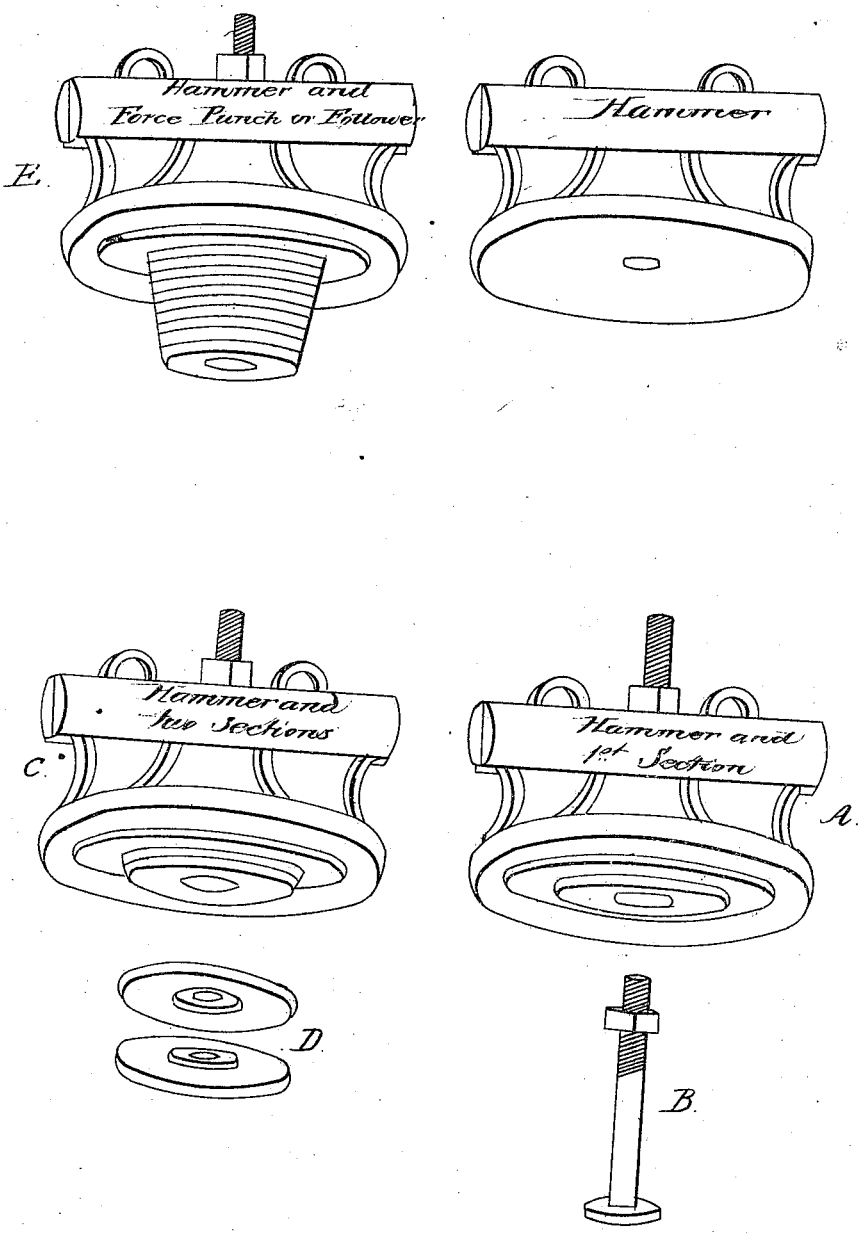
T. Hollister.

Punch Follower.

No. 5,554. Patented May 9, 1848.



UNITED STATES PATENT OFFICE.

THOMAS HOLLISTER, OF CORNWALL, CONNECTICUT, ASSIGNOR TO LYMAN W. COE, OF SAME PLACE.

IMPROVEMENT IN THE FORMATION OF DIES.

Specification forming part of Letters Patent No. **5,554**, dated May 9, 1848.

To all whom it may concern:

Be it known that I, THOMAS HOLLISTER, of Cornwall, county of Litchfield, and State of Connecticut, have invented a new and improved mode of constructing the force punch or follower of the die for stamping up or raising up hollow ware of all kinds from sheets or plates of metal or composition of any kind that can be raised or drawn; and I do hereby declare that the following is a full and exact description.

The nature of my invention consists in constructing the force punch or follower of the die of separate pieces or transverse sections, which can be attached together at pleasure and used as a whole or in part, as the work may require, and which, when all united together, will correspond in shape with the article to be raised.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation, which can be used in any of the stamps ordinarily used in stamping or raising hollow ware.

The force punch or follower I construct in separate pieces or transverse sections of any kind of metal or composition suitable for the purpose, and of any number or size required, which are attached to the drop or hammer of the stamp and to each other, as hereinafter described. The first piece or section of the force punch or follower I make of the size and shape required for the first stage or step of the stamping process, with a shoulder or flange on the upper side to meet the face of the die, and fasten it to the drop or hammer of the stamp by a bolt passing through its center and through the center of the drop or hammer and secured at the top of the drop or hammer by a nut or key upon the bolt. The bolt I construct with a head, and the hole in the center of the section through which the bolt passes is countersunk on the face side to receive the head of the bolt, so as to leave the face side, when attached, a smooth even surface. The first piece or section is, as shown by the accompanying drawing, marked A. The bolt is, as shown by the drawing, marked B. The section is attached to the drop or hammer of the stamp by the bolt, as shown in the accompanying drawing, marked C. The next piece or section of the force punch or follower I make in the shape and form required to fit the first section, with a hole in the center countersunk on the face side to receive the head of the bolt, as described in the first section, and on the upper side a projection to fit into and fill up the countersink in the first section, as shown in the accompanying drawing, marked D, and I attach it to the first section by withdrawing the bolt and passing it through both pieces and securing them to the drop or hammer in the manner described in the first section. The other pieces or sections required to complete the force punch or follower I make and attach in the manner as last described, and when all attached are as shown in the accompanying drawing, marked E.

The operation is as follows: The first piece or section being attached to the drop or hammer of the stamp, the sheet or plate of metal is placed on the face of the die and the section forced into the die up to the flange or shoulder. The next section is then attached and the two sections connected or forced into the die, and so on until all of the pieces or sections composing the force punch or follower are attached.

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

The construction of a force punch or follower of a die for stamping up or raising up hollow ware from sheets or plates in separate pieces or transverse sections which can be attached together at pleasure and used as a whole or in part, as the work may require, and attaching them together and to the drop or hammer by means of a bolt or any other mode that may be found suitable and convenient.

THOMAS HOLLISTER.

Witnesses:

AMOS BEECHER, JR.,

ROGER H. MILES.