

(No Model.)

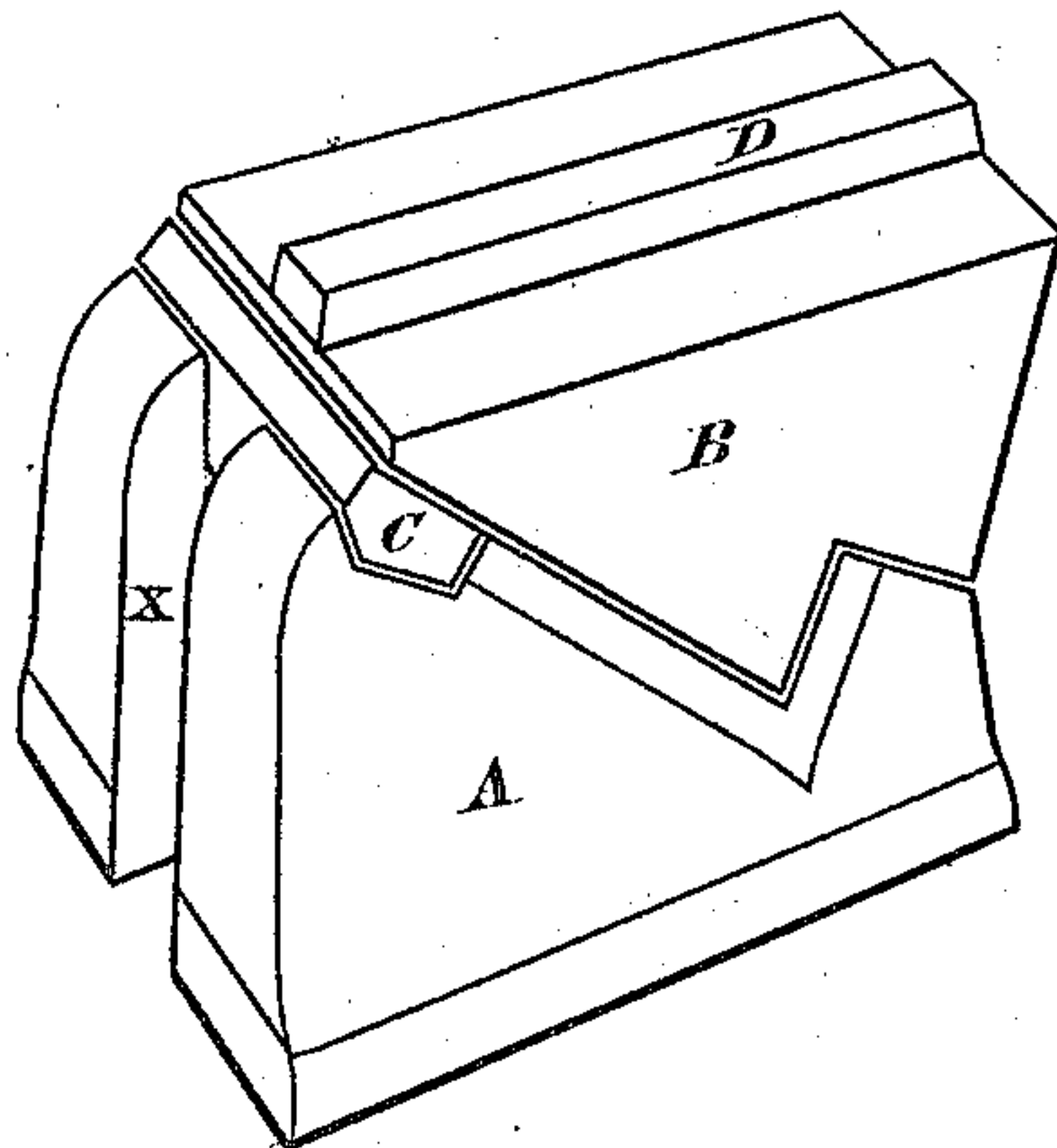
T. CARLSON.

DIE FOR SHAPING THE STANDARD HEADS OF PLOWS.

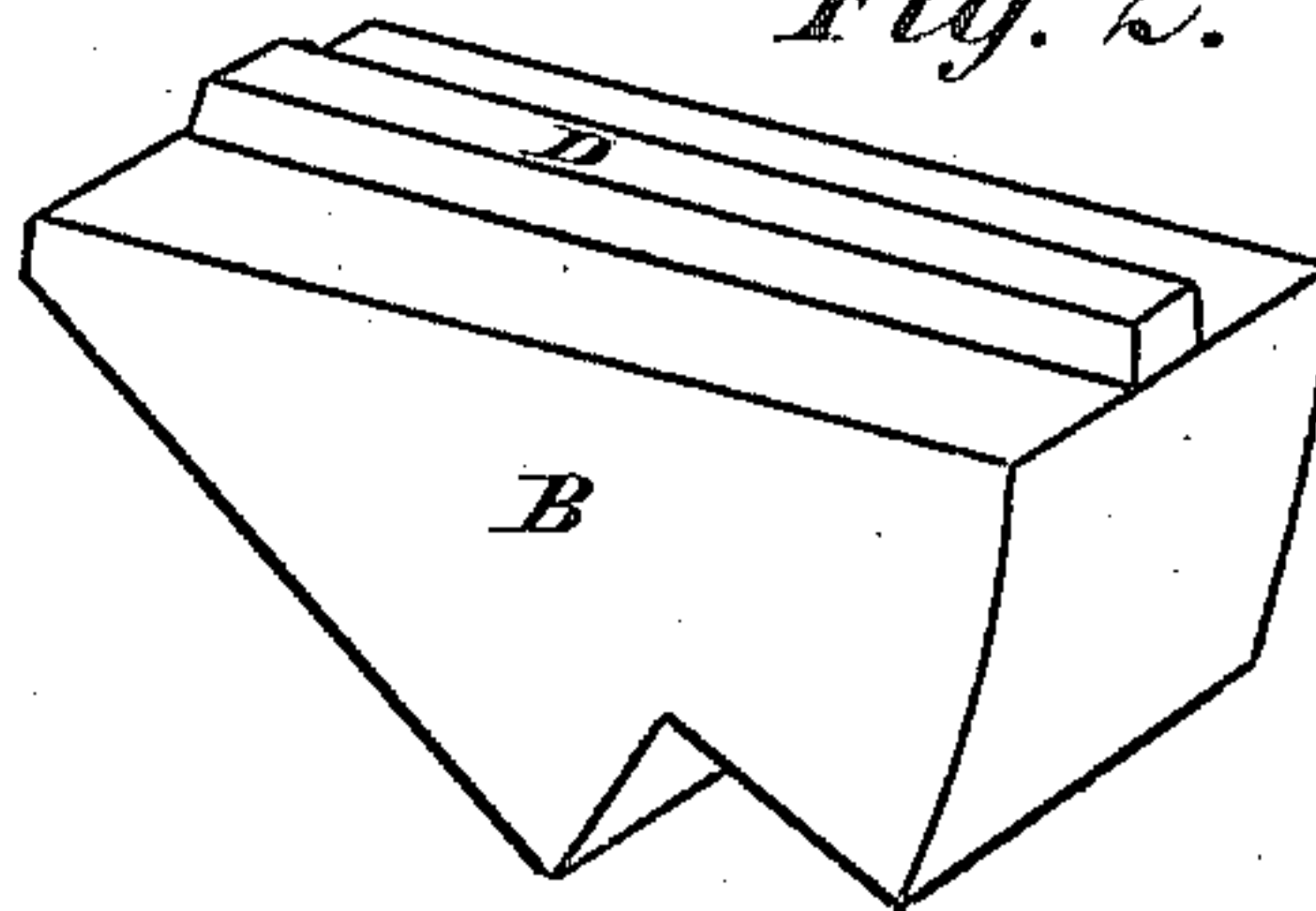
No. 301,212.

Patented July 1, 1884.

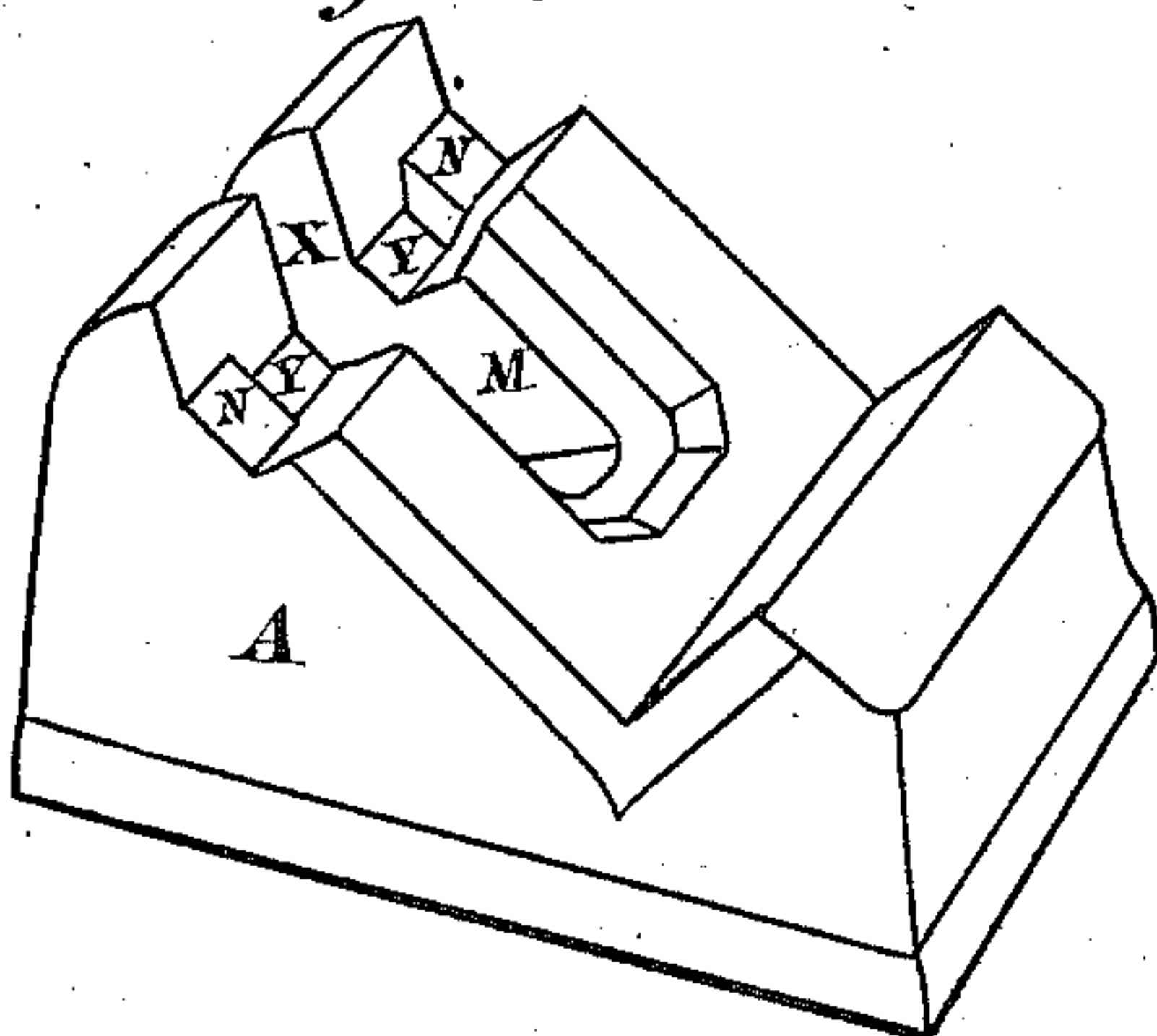
*Fig. 1.*



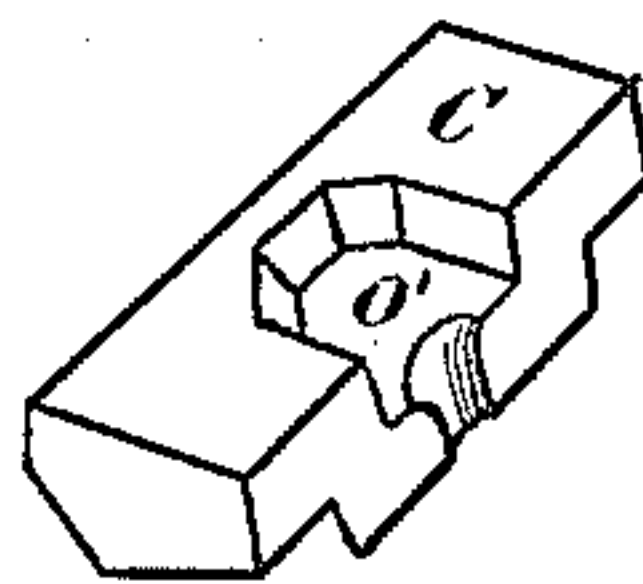
*Fig. 2.*



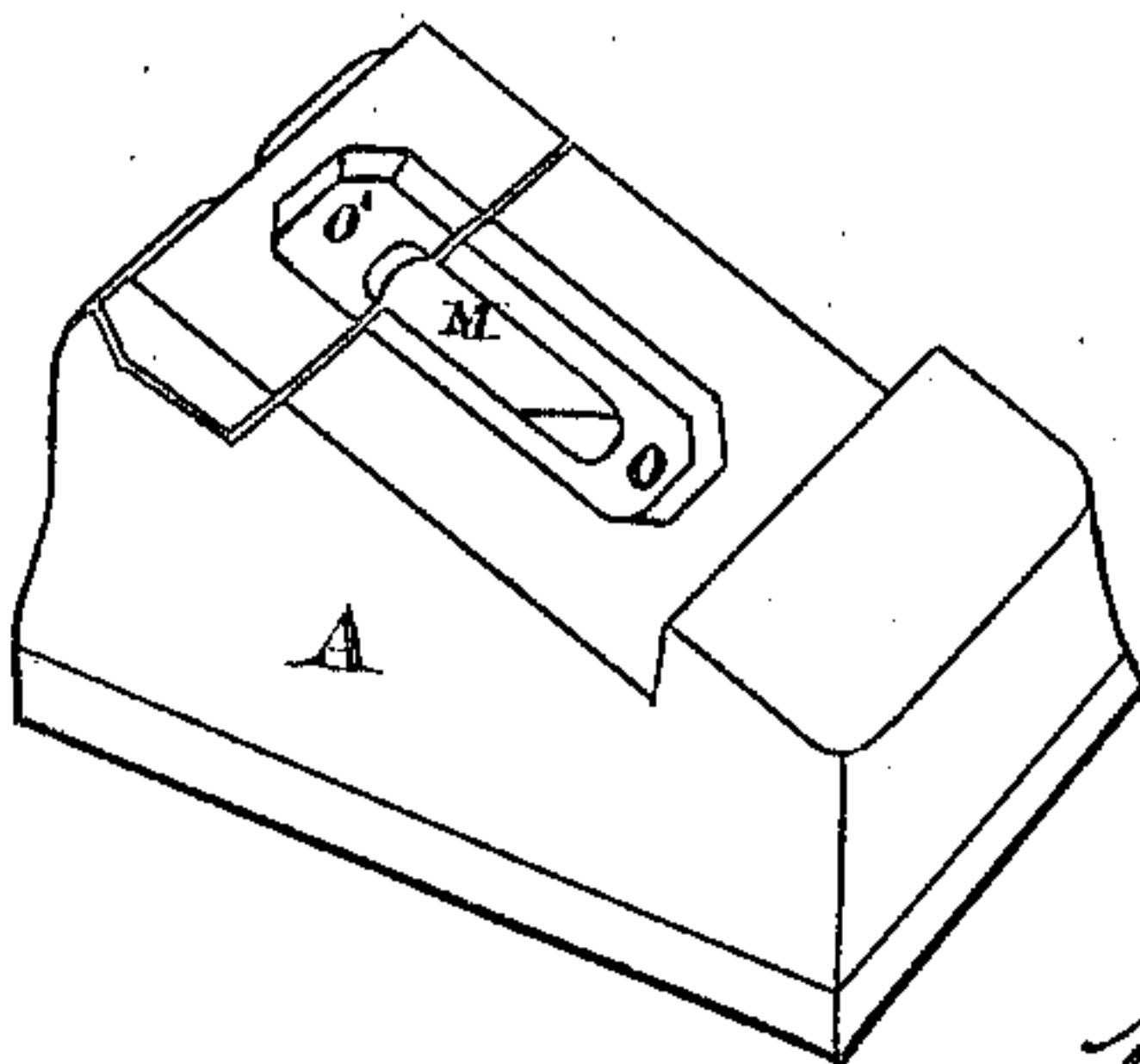
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



WITNESSES

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# UNITED STATES PATENT OFFICE.

THURE CARLSON, OF LOUISVILLE, KENTUCKY.

## DIE FOR SHAPING THE STANDARD-HEADS OF PLOWS.

SPECIFICATION forming part of Letters Patent No. 301,212, dated July 1, 1884.

Application filed October 10, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, THURE CARLSON, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented a certain new and useful Improvement in Dies for Shaping the Standard-Heads or Caps of Plows and Welding the Same to the Standard of the Plow at One Operation, all of which more fully appears in the following specification.

To accomplish the result above indicated I have a pair of dies with the faces sloping, say, at an angle of thirty degrees, instead of flat or horizontal, with an elbow near the bottom of the face, as shown in Figure 1, A C being the bottom and B the top die, ribbed at D. The bottom die has a sink, O O, in its face to receive the cap or head, as shown in Fig. 5. The upper one third of the face of the lower die is formed by the pentagonal-shaped block C, sunk into the body of the die. This block C is loose; but owing to its peculiar shape, in connection with the elevations N N and the depressions YY in the receptacle, in which it rests when in position, it is movable in only one direction—upward. In the front of lower die is an opening or slot, X, the width of the standard, which extends from the top to the bottom of the lower die, and from the bottom upward and backward

in a line perpendicular to the axis of the face of the die. When the block C is in position, the walls of the sink O O are rigid and the slot X is closed at its upper part, leaving an opening in the bottom and center of the sink O O the size of the standard.

Fig. 1 shows the dies resting one upon the other. Fig. 2 shows the top die; Fig. 3, the lower die, with the block C removed. X M is the slot in which the standard is placed. N N Y Y is the receptacle for the block C. Fig. 4 shows the block C, O' being the upper one third of the sink for shaping and welding the standard-head. Fig. 5 shows the lower die with the block C in position.

When in use the block C is removed and the standard is placed in the die-sink O O.

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

A shaping and welding device consisting of the top die, B, having the rib D, the pentagonal block C, having the depression O', and the bottom die, A, slotted at X M, said bottom die being elevated at N N, depressed at Y Y, and sunk at O, substantially as and for the purpose described.

THURE CARLSON.

Witnesses:

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