

D. MAYDOLE.

DIES FOR FORGING-HAMMERS.

No. 186,590.

Patented Jan. 23, 1877.

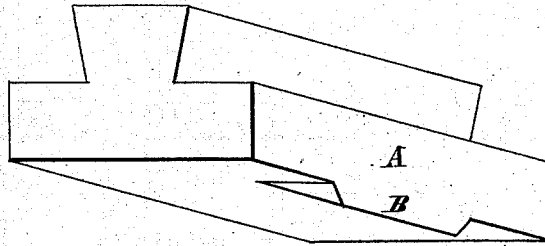


Fig. 1.

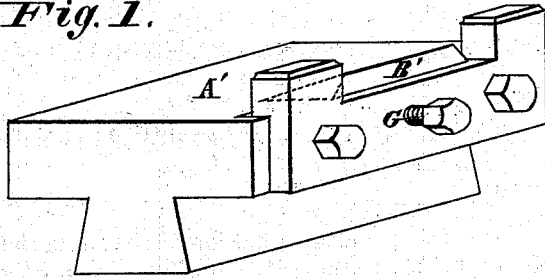


Fig. 2.

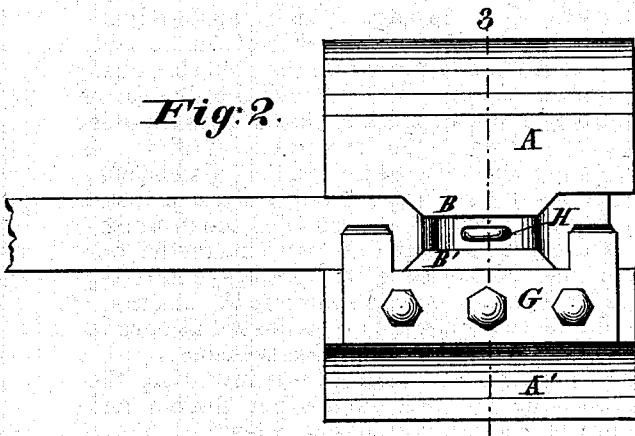


Fig. 3.

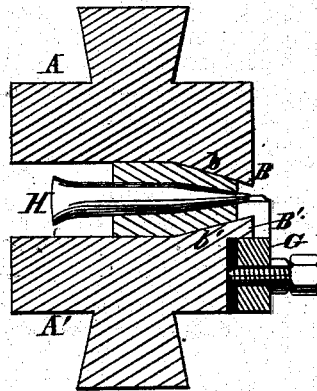


Fig. 4.

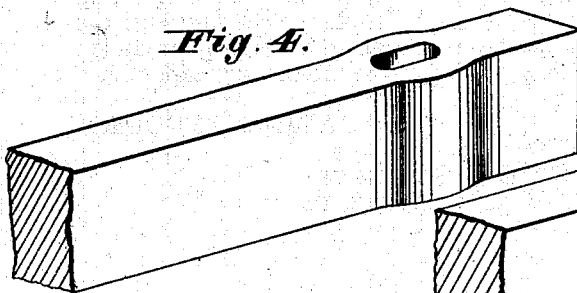


Fig. 5.

WITNESSES

Edmond Burdette
A. H. Galt

INVENTOR

David Maydole
By *Knight & Co.* Attorneys.

UNITED STATES PATENT OFFICE.

DAVID MAYDOLE, OF NORWICH, NEW YORK.

IMPROVEMENT IN DIES FOR FORGING HAMMERS.

Specification forming part of Letters Patent No. **186,590**, dated January 23, 1877; application filed January 5, 1877.

To all whom it may concern:

Be it known that I, DAVID MAYDOLE, of Norwich, in the county of Chenango and State of New York, have invented a certain new and useful Improvement in Dies for Forging Hammers, of which the following is a specification, reference being had to the accompanying drawing, making part of this specification, in which—

Figure 1 is a perspective view of the two dies separated. Fig. 2 is a front view of the same closed on the blank. Fig. 3 is a vertical section at 3 3, Fig. 2. Fig. 4 is a perspective view of the blank as it appears before the action of the dies. Fig. 5 is a perspective view of the blank as it appears after the action of the dies.

In forging the eye of an adz-eye hammer by the processes described in my application filed 23d of November, 1876, it becomes necessary or advisable to contract the blank somewhat at the point $b b^1$, where the adz-eye is to be formed, previous to the final drawing down of the same, as therein described; also, after the preliminary punching of the taper hole, as therein described, it becomes necessary to correct the bulging thereby created by exposing the bar flatwise to the action of flat dies. To effect both objects at one and

the same motion of the press the rises or projections B B' on the dies A A' have been devised. G is the gage, (usually made adjustable,) against which the side of bar is laid, the preliminary taper hole therein being filled with a mandrel, H, with a fleam-shaped or taper point. So much of the bar as is exposed to the action of the flat surfaces of dies A A is simply reduced to its original dimensions, the bulging being corrected, while so much of it as is exposed to the action of the protuberances B B' is slanted, so as to make the bar thinner at the edge where the eye is to be, and is drawn out, as shown at b^2 . As these different objects are accomplished at once, a saving in the cost of forging is effected.

Having thus described my invention, the following is what I claim as new therein, and desire to secure by Letters Patent:

The dies A A', constructed substantially as described, with projections B B for thinning the blank at $b b^1$, in the act of pressing the bar flatwise to correct the bulging produced in the punching of the preliminary taper hole.

DAVID MAYDOLE.

Witnesses:

W. B. GUERNSEY,
OCTAVIUS KNIGHT.