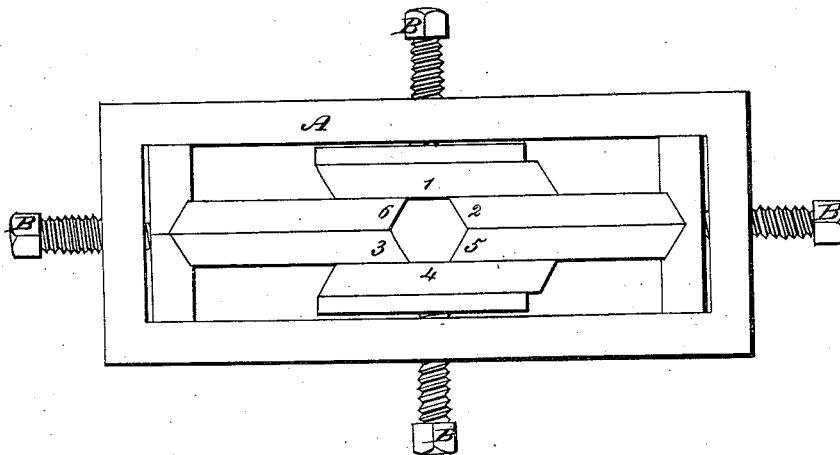


*O. C. Burdick.*

*Nut Machine Die.*

*N<sup>o</sup> 53,780.*

*Patented Apr. 10, 1866.*



*Witnesses.*

*John H. Shumway*  
*Wilbur H. Clark.*

*Inventor.*

*Orin C. Burdick*  
*By his atty*  
*John E. Earl*

# UNITED STATES PATENT OFFICE.

ORRIN C. BURDICT, OF NEW HAVEN, CONNECTICUT.

## IMPROVEMENT IN DIES FOR NUT-MACHINES.

Specification forming part of Letters Patent No. **53,780**, dated April 10, 1866.

*To all whom it may concern:*

Be it known that I, ORRIN C. BURDICT, of New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Dies for Nut-Machines; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents, in Figure 1, a face view.

My invention relates to an improvement in the construction of hexagonal dies for machines for making hot-pressed nuts; and it consists in constructing the die from six pieces, arranged so that each of the six pieces forms one of the six sides of the die and so that the position of either of the parts may be changed for that of another.

To enable others skilled in the art to construct and use my improvement, I will proceed to fully describe the same as illustrated in the accompanying drawing.

I construct the several parts of a thickness so that when the end is cut at the angle of sixty degrees the length of the angular side will be equal to one of the sides of the nut required to be made, and the several pieces of the width required for the depth of the dies. I form the same angle upon each end of the several pieces and place the six pieces 1 2 3 4 5 6

in a die-holder, A, the pieces 1 and 4 forming two opposite sides, the pieces 2 and 3 two other opposite sides, and the pieces 5 and 6 the other two opposite sides. Thus placed in the die-holder they are secured therein by means of set-screws B.

When, by use or otherwise, either one of the six parts has become worn or broken, it may be changed for one in another position, as 5 for 6 or for either of the others, or it may be turned over, changing the inside edge for the outside, which will carry 5 to the position of 3, and 3 to the position of 5, or it may be turned end for end. Thus each separate piece would permit of four changes, and the die thus constructed is much more simple and less costly than the ordinary solid die, and the cost of removing the die when all the changes admissible shall have been made is much less, as it is only necessary to re-form the ends of each piece to produce another die having the same changes.

Having therefore thus fully described my improvement, what I claim as new and useful, and desire to secure by Letters Patent, is—

A hexagonal die constructed in the manner substantially as herein set forth.

ORRIN C. BURDICT.

Witnesses:

JOHN E. EARLE,

JOHN H. SHUMWAY.