

J. T. BOWEN.
MORTISING-CHISEL.

No. 191,643.

Patented June 5, 1877.

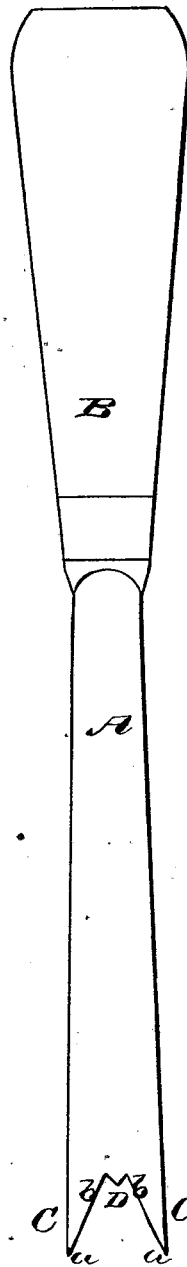


Fig. 1.

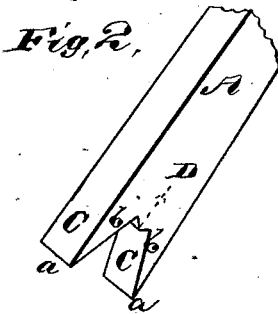


Fig. 2.

WITNESSES
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UNITED STATES PATENT OFFICE.

JOHN THEODORE BOWEN, OF LOCKPORT, NEW YORK, ASSIGNOR OF A PART OF HIS RIGHT TO DAVID HOFFMEISTER AND ABRAM BECCUE, OF SAME PLACE.

IMPROVEMENT IN MORTISING-CHISELS.

Specification forming part of Letters Patent No. **191,643**, dated June 5, 1877; application filed April 21, 1877.

To all whom it may concern:

Be it known that I, JOHN T. BOWEN, of Lockport, in the county of Niagara and State of New York, have invented a new and valuable Improvement in Mortising-Chisels; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of my mortising-chisel. Fig. 2 is a detail of the same.

My invention relates to mortising-chisels; and it consists in a solid chisel made with two reversed and opposite bits, with edges on the four bevels and a center-cutter in the angle, all as hereinafter more fully set forth.

In the annexed drawing, which fully illustrates my invention, A represents a solid piece of cast-steel fastened in a handle, B, in any suitable manner. This steel bar is formed at the end with two bits, *c c*, directly opposite each other and reversed, said bits having the cutting-edges *a a* for cutting across the grain of the timber.

The four bevels *b* of the two bits form trimming-edges for cleaning or trimming the sides of the mortise, said trimming-edges being sharp right angles formed by a center cutter, D, projecting between the bits *c c* in the crotch, as shown.

The chisel thus constructed makes the four sides of the mortise perfect as far as driven, each chisel making mortises of one exact size. The mortise can readily be extended to any desired length with the same chisel.

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

A solid chisel made with two reversed and opposite bits, *c c*, with edges on the four bevels *b*, and a center cutter, D, in the angle, substantially as and for the purpose herein set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN THEODORE BOWEN.

Witnesses:

VOLNEY SIMSON,
FRANK H. PAREY.