

M. W. Clark.

Cutter-Head for Tenoning Blind-Slat.

N^o 76052

Patented Mar. 31, 1868.

Fig. 1.

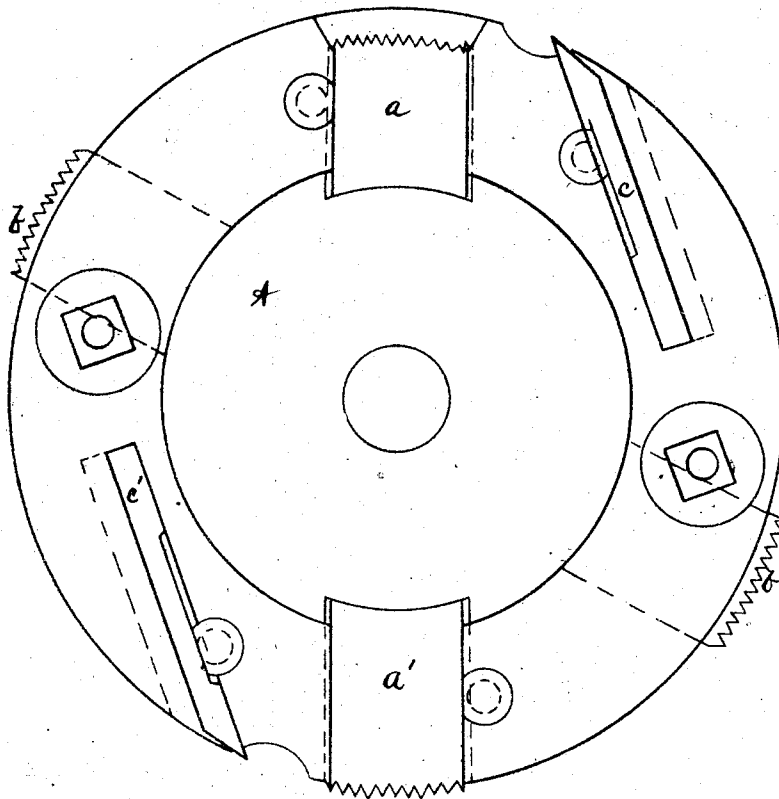


Fig. 2.

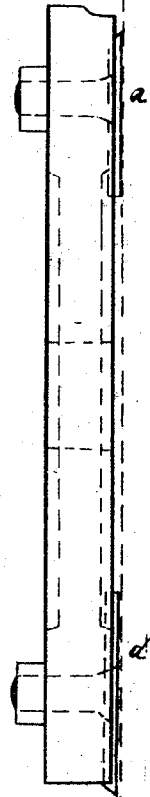


Fig. 3.

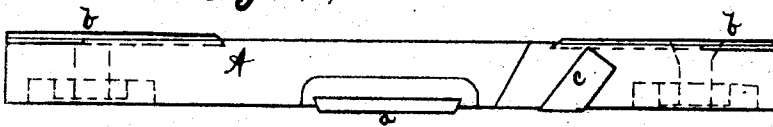
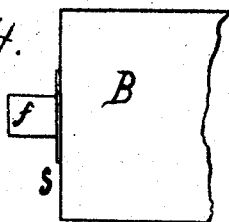


Fig. 4.



Witnesses.

H. Thompson.
Frank J. Plummer.

Inventor.

Milton W. Clark.

United States Patent Office.

MILTON W. CLARK, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO R. BALL AND COMPANY, OF SAME PLACE.

Letters Patent No. 76,052, dated March 31, 1868.

IMPROVEMENT IN CUTTER-HEADS FOR TENONING BLIND-SLATS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, MILTON W. CLARK, of the city and county of Worcester, and State of Massachusetts, have invented new and useful Improvements in Revolving Cutter-Heads for Making Round Tenons; and I do hereby declare that the following is a full and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure I is a vertical view of one side of the head, showing its form and the relative position of the several cutters.

Figure II is a vertical view of a section of the face of the head, showing the relative position of the toothed cutters *a a'*.

Figure III is a horizontal view of a section of the face, showing the ends of cutters *c* and *a*.

Figure IV is a section of a blind-slat, showing the work of the cutter-head.

The cutter-head is placed upon a revolving arbor. The piece to be tenoned is made to revolve as it passes by the revolving cutter-head. The toothed cutter *a'* cuts the shoulder to the tenon *f*, while the toothed cutter *a*, being set nearer the centre of the head *A*, and farther out on the side of the head adjacent to the piece to be tenoned, cuts the offset *S*, Fig. IV. The relative position of cutters *a a'* will be readily seen by comparing them with the red line in Fig. II. The toothed cutters *b b* cut the length of tenon *f*. The cutters *c c'* cut the tenon to its proper size.

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

The combination, with the head *A*, of the cutters *a a'*, *b b*, and *c c'*, arranged to operate as described, so that, at the same time a tenon is formed by said cutters, an offset may be cut in the shoulder of said tenon, substantially as shown and set forth.

MILTON W. CLARK.

Witnesses:

H. THOMPSON,

FRANK J. PLUMMER.