F. S. GWYER.

DEVICE FOR STRENGTHENING THE LEGS OF HEAVY PIECES OF FURNITURE.

No. 183,558. Patented Oct. 24, 1876.

Fig. 1

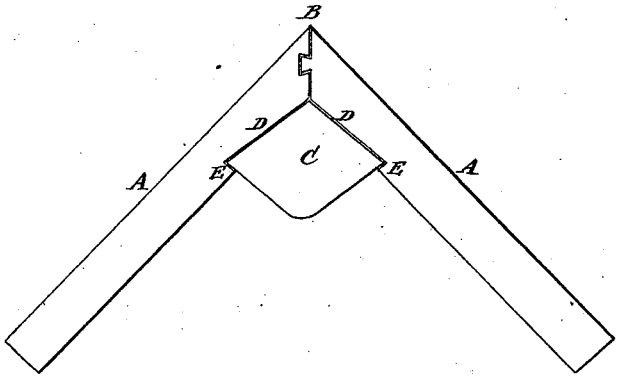
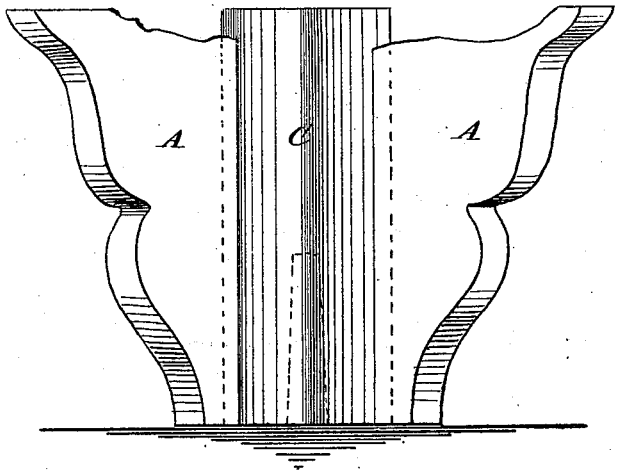


Fig. 2



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UNITED STATES PATENT OFFICE.

FREDERICK S. GWYER, OF NEW YORK, N. Y., ASSIGNOR TO L. H. MACE & CO., OF SAME PLACE.

IMPROVEMENT IN DEVICES FOR STRENGTHENING THE LEGS OF HEAVY PIECES OF FURNITURE.

Specification forming part of Letters Patent No. **183,558**, dated October 24, 1876; application filed August 30, 1873.

To all whom it may concern:

Be it known that I, FREDERICK S. GWYER, of the city, county, and State of New York, have invented a new and useful Improvement in Mode of Applying Angle-Blocks, of which the following is a specification:

The object of this invention is to improve the mode of applying blocks designed for strengthening the angles of the foot-boards of refrigerators, but which may be applied to other purposes; and it consists in the mode of applying the block, hereinafter more fully set forth and described.

In the accompanying drawing, Figure 1 represents a top view or horizontal section, showing the angle-block applied according to my invention. Fig. 2 is a view looking from the inside of the angle.

Similar letters of reference indicate corresponding parts.

The manufacture of refrigerators is a business in which I am extensively engaged, and I have found that in moving them from place to place they are more likely to fail at the angles of the foot-boards than at any other point. These boards or foot casings are usually miter dovetailed, as seen in the drawing, and I have been in the habit of applying the common angle-block and gluing and nailing it in the usual manner; but blocks thus applied will get loose, and the foot-boards will fail at the angle-joint, as before stated, as the weight of the refrigerator is very considerable, and the strain at the corners when the refrigerator is moved is very great.

To render this point invulnerable is the object of this invention, and for this purpose I cut the block in the form of a "rhomb," and insert it in bevel rabbets, as seen in Fig. 1.

A A represent the foot-board; B, the miter dovetail joint. C is the angle-block, and D D the beveled rabbets, having shoulders E E, which receive the acute angles of the block, and confine the block, as seen in the drawing.

When the angle-block is inserted in this manner no strain on the angles of the foot-boards can loosen it, and the object which I have in view is accomplished.

I do not confine myself to this particular kind of dovetail or miter joint, as the block may be applied to angles when the joint is otherwise formed.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The rhomb-shaped block C, combined with boards A A, having miter-joint B, beveled rabbets D D, and shoulders E E, as and for the purpose specified.

FREDERICK S. GWYER.

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