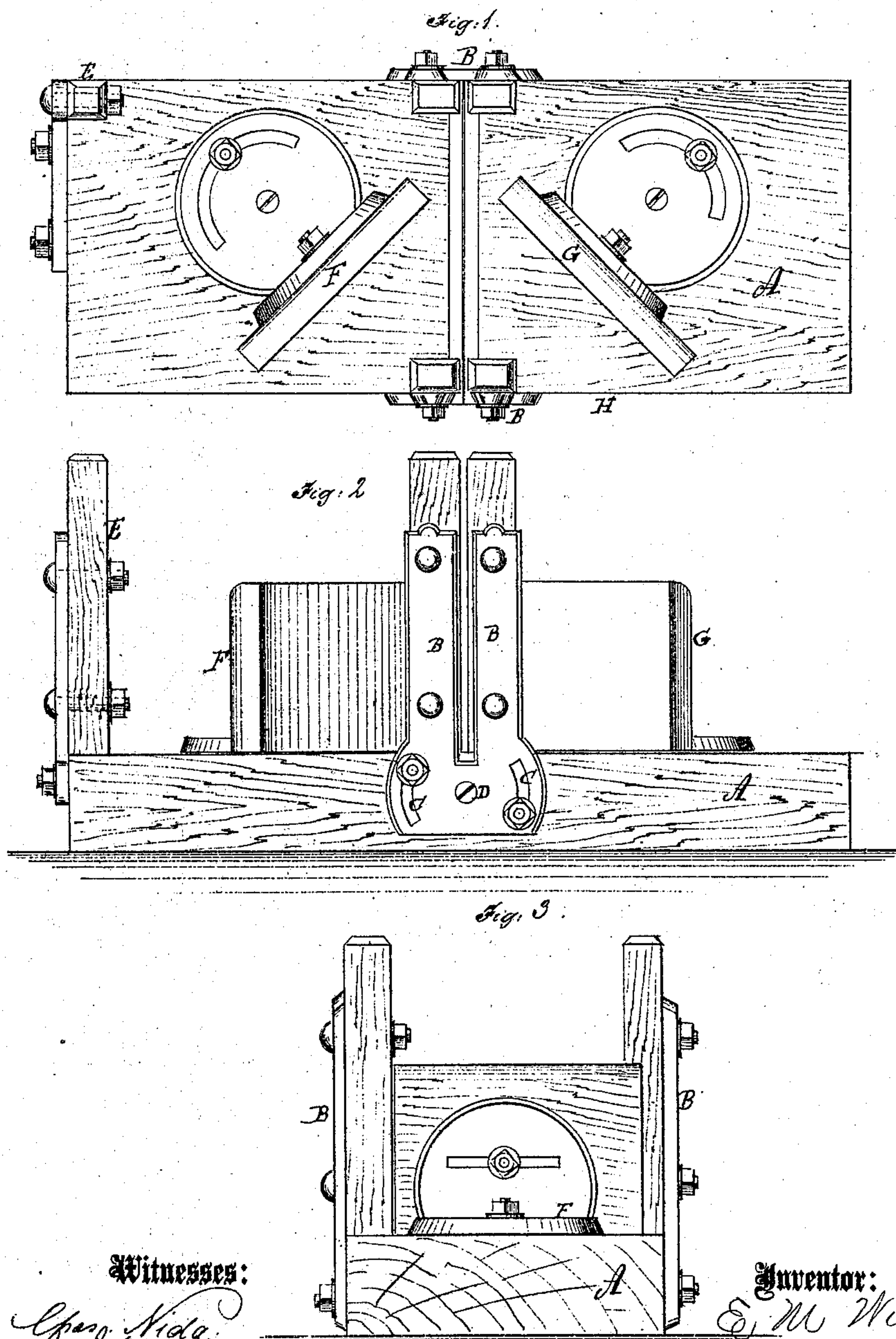


E. M. Wilcox,

Miter Box.

No. 105,752.

Patented July 26, 1870.



Witnesses:

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Inventor:

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EDWARD M. WILCOX, OF BLOOMER, WISCONSIN.

Letters Patent No. 105,752, dated July 26, 1870.

IMPROVEMENT IN MITER-BOX

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, EDWARD M. WILCOX, of Bloomer, in the county of Chippewa and State of Wisconsin, have invented a new and useful Improvement in Miter and Out-off Box; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new and useful improvement in an apparatus for sawing miters, and "cutting off" in the various processes incident to working in wood, whereby much labor is saved, and accuracy is secured; and

It consists in the arrangement of adjustable stands and guides on a stationary bed, as hereinafter more fully described.

In the accompanying drawing—

Figure 1 represents a top or plan view.

Figure 2 is a side elevation.

Figure 3 is an end elevation.

Similar letters of reference indicate corresponding parts.

A is the bed, which may be made of either wood or metal, and of any desired length and breadth.

To the opposite side edges of this bed are secured slotted cast-metallic standards B B, which are made adjustable by means of the slots C, and working on the pivots D. These standards have affixed to them strips of hard wood, between which are parallel slots, in which the saw works in sawing miters and in "cutting off." The slots are at right angles with the sides of

the bed, so that when a piece of wood is placed parallel with the bed the same will cut it off square. The stands may be adjusted to cut the ends inclined or on a bevel, when the nature of the work requires it.

E is an adjustable guide for the work or piece to be cut, which guide is set at exactly right angles with the saw line.

Upon the top of the bed-plank are placed two adjustable miter-guides, F and G. For doing picture-frame work, or for cutting miters for any purpose, these guides will be found very convenient.

It will be seen that, by inclining (in either direction) the stands B B, a compound miter or bevel may be cut of any desired form.

H is the working side of the box.

For cabinet making, and, in fact, for almost every description of shop wood work, this miter and "cut-off" box will be found of the greatest advantage.

Having thus described my invention,

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

1. The guides F G, constructed, arranged, and adjusted on a miter-box, as and for the purpose specified.

2. The arrangement of two opposite pairs of vertically adjustable saw-guides B B, with respect to a pair of horizontally adjustable miter-guides, as shown and described, and for the purpose specified.

EDWARD M. WILCOX.

Witnesses:

CHAS. H. SMITH,

JOHN G. WADSWORTH,

WILLIAM COBBAN.