

C. F. Linscott,

Miter Box.

No. 109915.

Patented Dec. 6, 1870.

Fig 1.

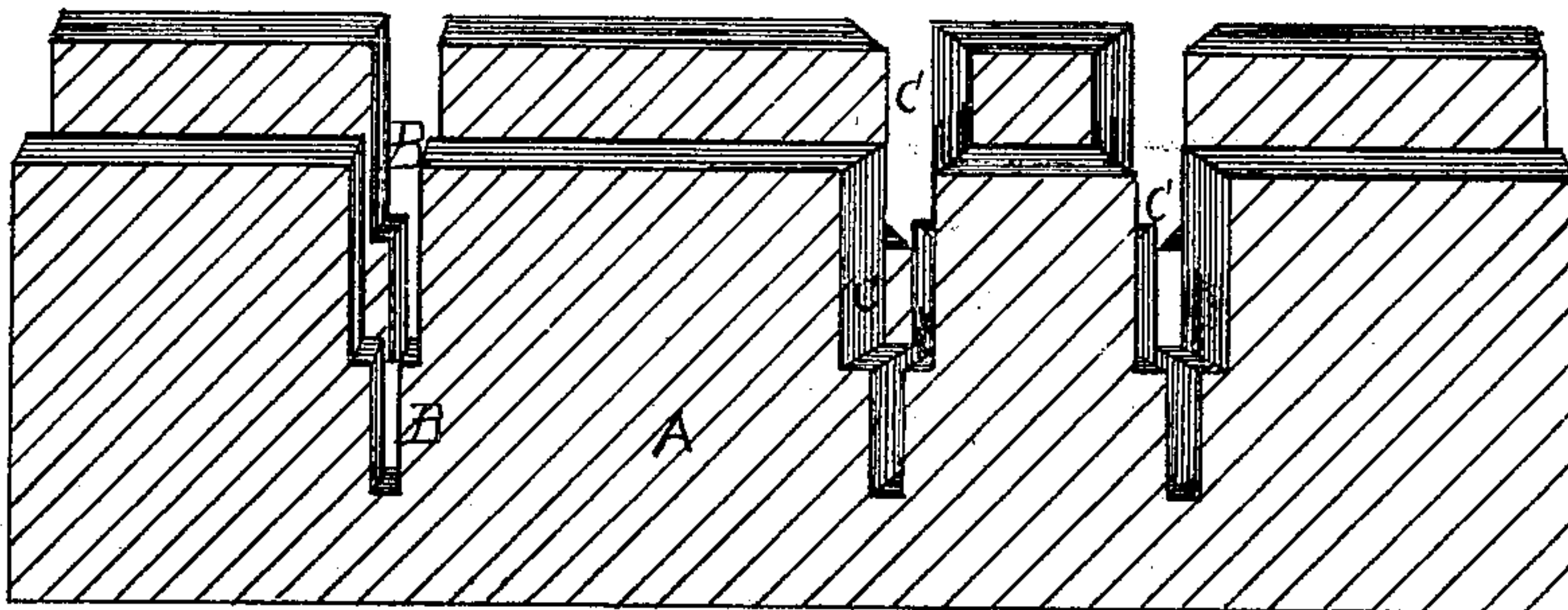
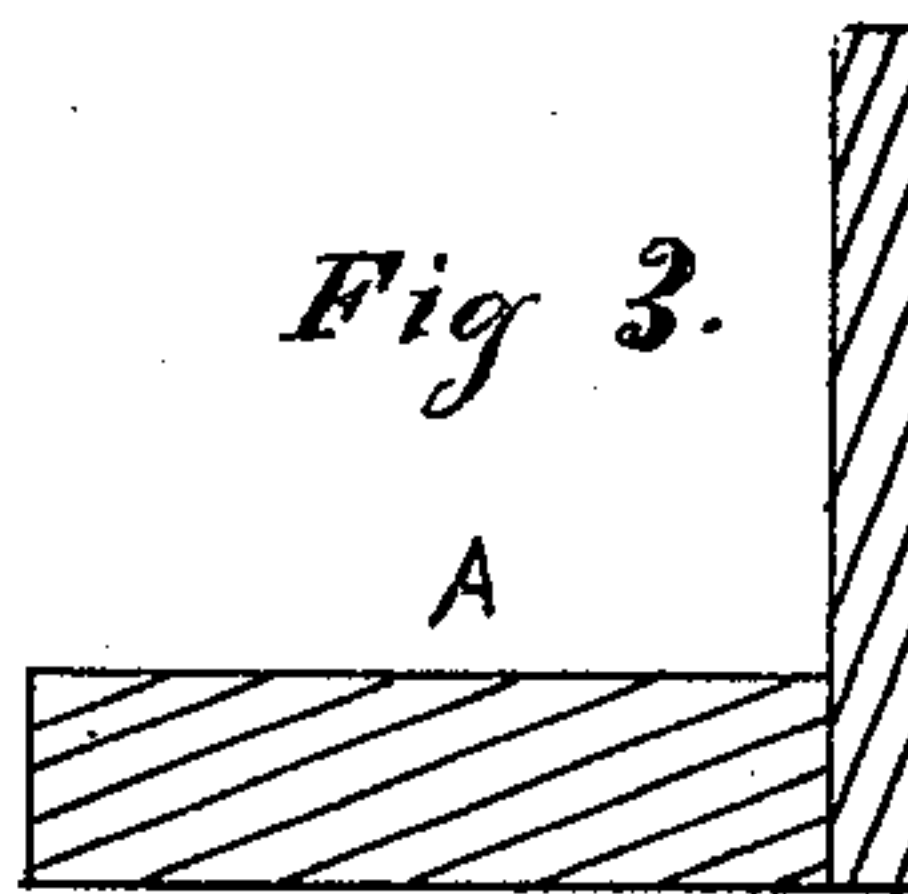
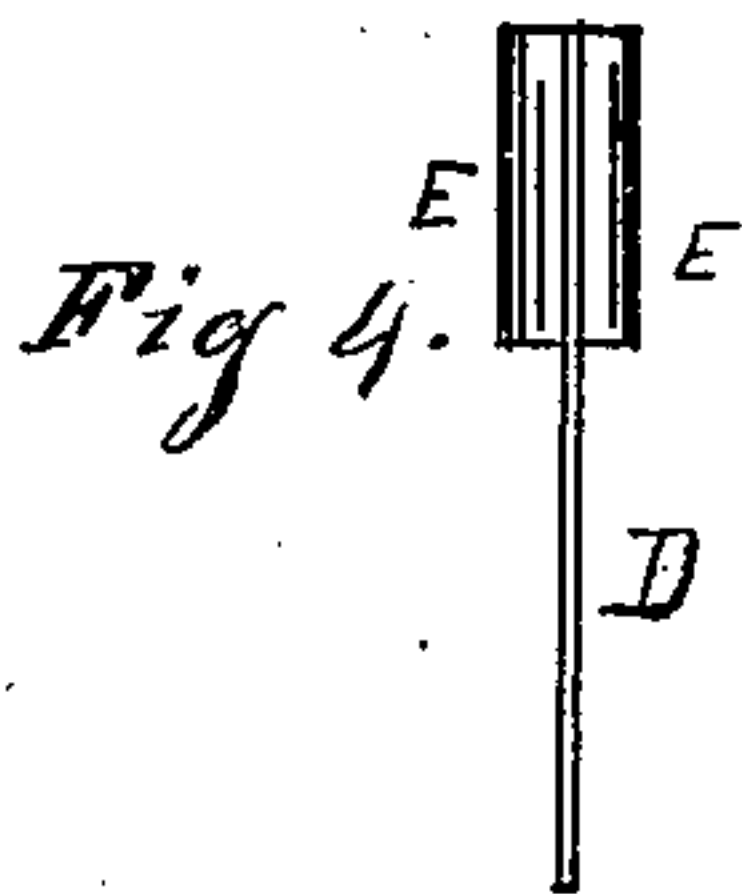
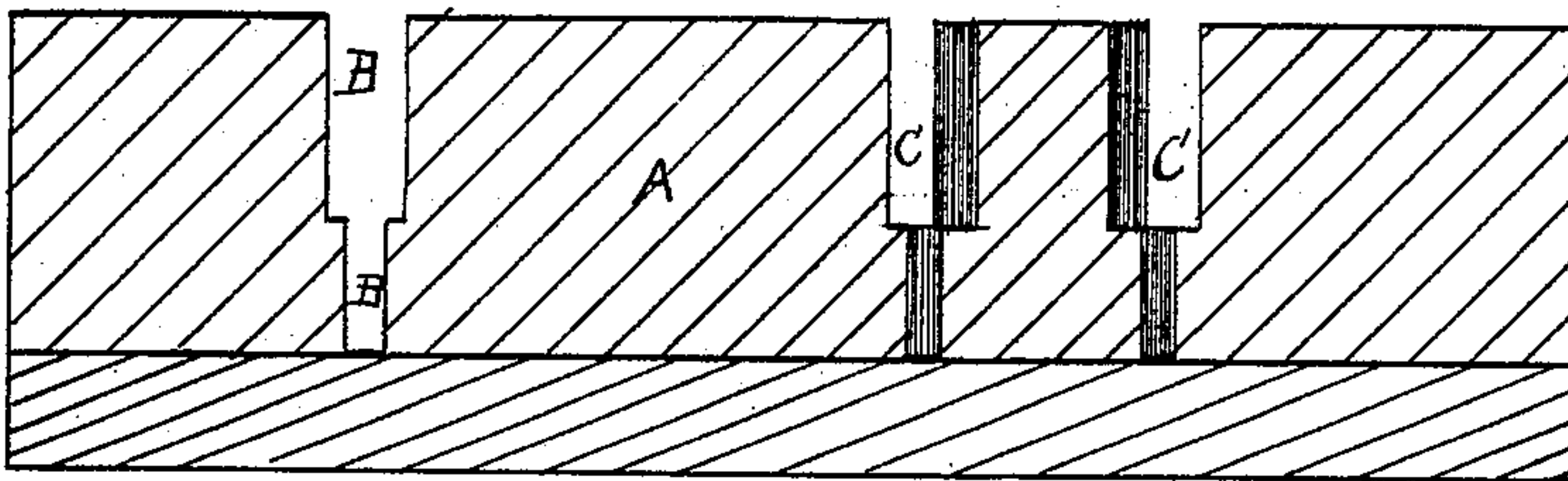


Fig 2.



Witnesses,

C. V. Frost.  
D. K. Ellsworth

Inventor

Charles F. Linscott

# United States Patent Office.

CHARLES F. LINSOTT, OF CHICAGO, ILLINOIS.

Letters Patent No. 109,915, dated December 6, 1870.

## IMPROVEMENT IN MITER-BOXES.

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, CHARLES F. LINSOTT, of the city of Chicago, in the county of Cook, in the State of Illinois, have made certain new and useful Improvements in Miter-Boxes; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a perspective view of my improved miter-box;

Figure 2 is a vertical longitudinal section of the same;

Figure 3 is an end view, with one side removed; and

Figure 4 is an end view of a miter-saw provided with guides.

Similar letters of reference in drawing indicate corresponding parts.

The object of this invention is to provide an improved metallic miter-box and a miter-saw, whereby true miters can always be sawed without possibility of injury to the miter-box or miter-saw by the latter coming in contact with the metal; and to this end the box to be made with the slots for the saw-blade to be run in is smaller at the bottom of the box than at the top, the saw-blade having guides attached to its sides to fit into these slots above the small slots where the saw-blade runs, thus producing a true miter.

In the drawing—

A is a rectangular metal box, having perpendicular slots B and C cast in the same, the slot B being a true right angle, while the slots C C are at different angles. These slots are made so that the bottom is

narrower than the top; in this narrow portion the blade of the saw is made to run.

D, the saw, has upon each side of the blade fastened, by riveting or otherwise, a lateral strip, E, as shown in fig. 4, made of metal or wood. This strip E is made to fit into the upper or wider portion of the slots for guiding the saw while cutting the miter. These guide-pieces are of sufficient width to prevent the saw-teeth from coming in contact with the bottom of the box, and by having the slots below brought up to a square shoulder at the point where they widen; and the saw-guides, coming down to these square shoulders when in the operation of sawing, are of course arrested in their downward movement, and the saw-teeth prevented from touching the metallic bottom of the box.

The advantage to be derived by my improvement is that a miter-box is produced by which a true miter is invariably cut, and the miter-saw, by being provided with the side guides, is prevented from any lateral movement, and by having the square shoulders in the slots the saw is prevented from being injured by coming in contact with the box at the bottom.

I am aware that a miter-saw has been provided with guide-plates, and I do not, therefore, claim them; but

What I do claim as my invention is—

The metallic miter-box constructed, as described, with the guide-cuts or slots B and C, as herein set forth and shown, for the purpose specified.

CHARLES F. LINSOTT.

Witnesses:

E. A. ELLSWORTH,  
N. K. ELLSWORTH.