

No. 751,255.

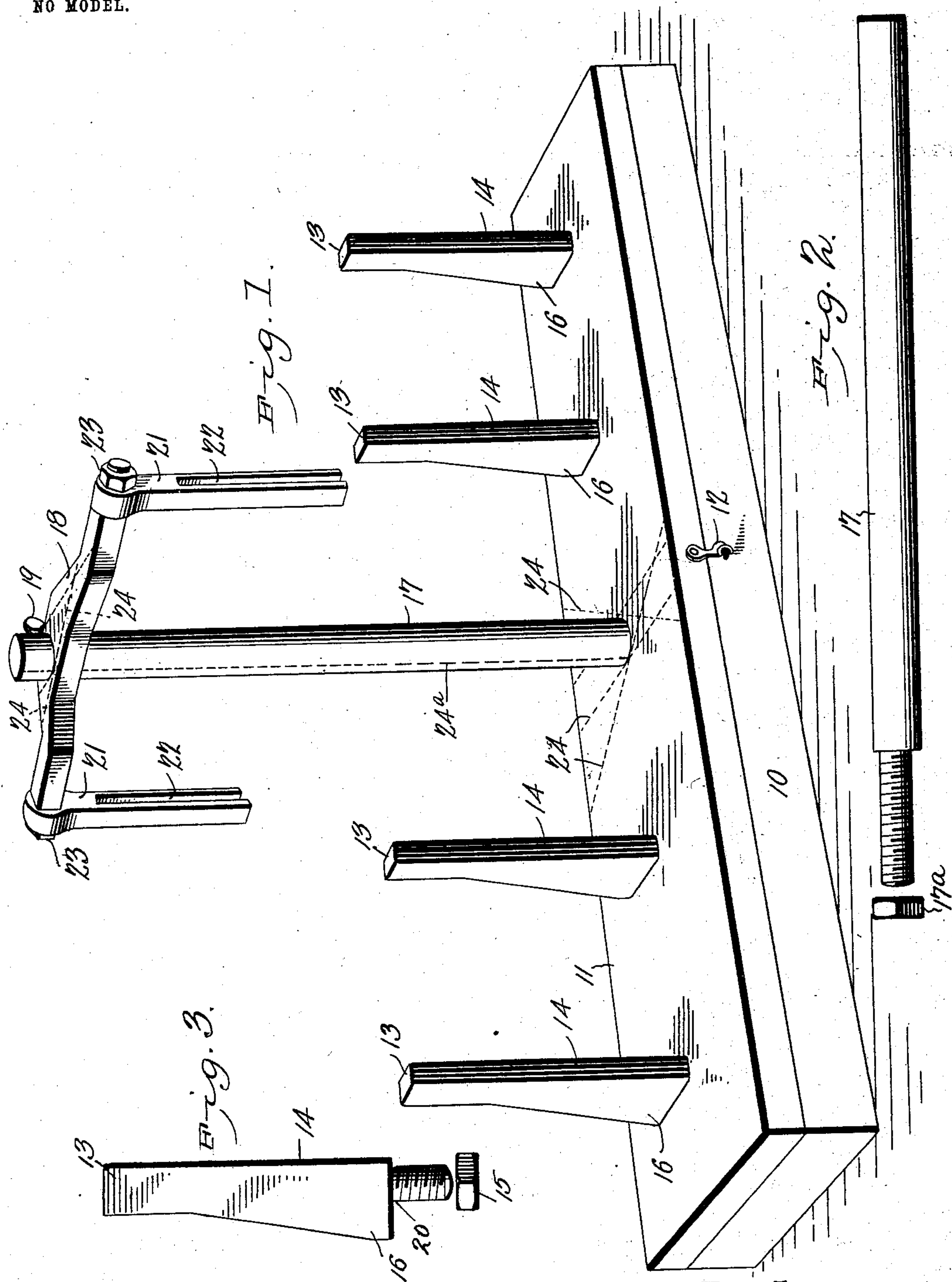
PATENTED FEB. 2, 1904.

**M. L. BUSBEE.**

MITER BOX.

APPLICATION FILED FEB. 7, 1903.

NO MODEL.



Witnesses  
E. F. Stewart  
J. V. Jochnum, Jr.

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# UNITED STATES PATENT OFFICE.

MILES L. BUSBEE, OF OKLAHOMA, OKLAHOMA TERRITORY.

## MITER-BOX.

SPECIFICATION forming part of Letters Patent No. 751,255, dated February 2, 1904.

Application filed February 7, 1903. Serial No. 142,386. (No model.)

*To all whom it may concern:*

Be it known that I, MILES L. BUSBEE, a citizen of the United States, residing at Oklahoma, in the county of Oklahoma and Territory of Oklahoma, have invented a new and useful Miter-Box, of which the following is a specification.

My invention relates to miter-boxes; and it consists in the construction by which the device is rendered portable and in other features hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of one embodiment of my invention, and Figs. 2 and 3 are respectively details in elevation of the standard and one of the pins furnishing the work-rest with the securing-nuts thereon.

Similar characters indicate like parts throughout the several figures of the drawings.

The numeral 10 designates a base, here shown as a box, to which is preferably hinged a lid 11, provided with a suitable fastener 12. This lid has formed in it openings to receive a series of work-supporting devices comprising pins 13, each provided with a plain front face 14 and with an enlarged portion or projection 16, furnishing a brace to resist pressure against the front face and keep the pin in proper position. A nut 15, threaded upon the lower end of each pin below the lid, serves to retain it removably in place.

Somewhat to the rear of the row of pins 13 is an opening through which may extend the threaded portion of a standard 17, having a nut 17<sup>a</sup> for coaction with the under side of the lid, or it is evident that either the pins or standards may, if desired, be screwed directly into the box-lid, which may be threaded to receive them.

A yoke 18 is provided with an opening of a suitable size to pass over the standard and allow movement along the same, and this yoke can be secured in any desired position by a set-screw 19, extending through the side of the yoke and contacting with the standard. The ends of the yoke are preferably threaded, and over these threaded portions fit perforations in guides 21 21, each provided with a slot 22 and secured at any desired angle by means of

nuts 23 engaging the screws at the ends of the yoke to clamp said guides against shoulders 20 thereon.

Lines 24 may be drawn upon the top of the box and the top of the yoke at various angles (indicated by the proper figures) and have a guide-line 24<sup>a</sup> the entire length of the standard to serve as an index for setting the saw-guides.

The form and size of the box are such that it may conveniently contain the elements which are supported upon its lid, thus rendering the device very convenient to put away and to transport from place to place. When it is desired to use the miter-box, the pins 13 are secured in the holes in the cover by the coacting nuts, with their faces 14 in alinement, forming, with the cover, a rest for the work. The standard is then similarly mounted and the yoke set thereon with the guides held in place by the nuts. The yoke is adjusted about the standards to give the desired horizontal angle and placed at such a height that the saw-teeth may be at all times slightly below the ends of the guide, so that they may not be dulled. The vertical angle of the saw is adjusted by swinging the guides about their pivots, the perpendicular position being readily determined by the fact that when this is attained one side of the saw will be in close proximity and parallel to the standard.

Having thus described my invention, what I claim is—

1. In a miter-box, the combination with a base, of a cylindrical standard, a yoke slidably and rotatably mounted upon said standard, saw-guides carried by said yoke, work-supports on said base, and a single means for securing said yoke against sliding and rotary movement on said standard.

2. In a miter-box, the combination with a base, of a cylindrical standard, a yoke slidably and rotatably mounted on said standard, dependent saw-guides adjustably secured to the ends of said yoke, and a single means for securing said yoke against sliding and rotary movement on said standard.

3. In a miter-box, the combination with a base, of a cylindrical standard, a yoke slidably and rotatably mounted on said standard, saw-



guides carried by said yoke and a set-screw mounted in said yoke and engaging said standard to lock said yoke against sliding and rotary movement on said standard.

5 4. In a miter-box, the combination with a base, of a cylindrical standard, a yoke slidably and rotatably mounted on said standard, a vertical index-line extending longitudinally of  
10 said standard, index-lines provided on the upper surface of said yoke for use in connection with the index-line on said standard, saw-guides carried by said yoke, and means for securing said yoke against sliding and rotary movement upon said standard.

15 5. In a miter-box, the combination with a box having a lid adapted to form a base, of a plurality of buttressed pins removably secured

on said lid and adapted to form a work-support, a cylindrical standard removably secured on said lid in suitable relation to said pins, a 20 removable yoke rotatably and slidably mounted on said standard, saw-guides adjustably mounted on said yoke, and means for securing said yoke in adjusted position on said standard, said box being adapted to contain all of the 25 other elements of the miter-box structure.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

MILES L. BUSBEE.

Witnesses:

GEO. E. GARDNER,  
WEALTHA ELWICK.