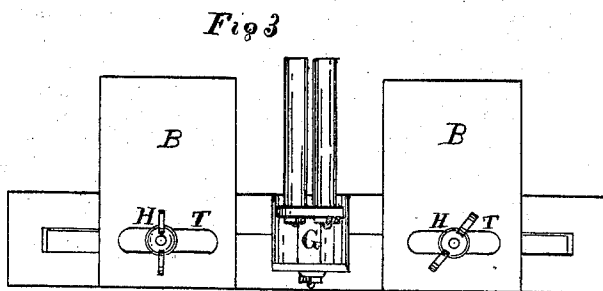
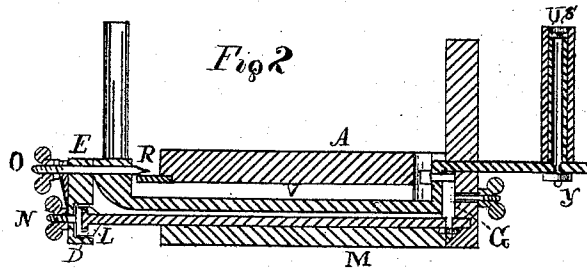
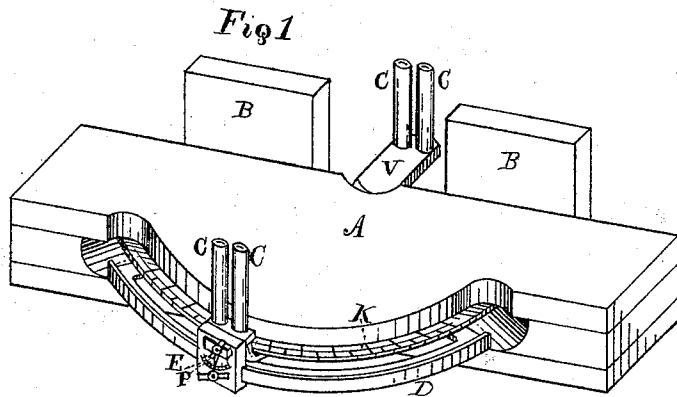


J. L. GAUSE.
Miter-Boxes.

No. 147,764.

Patented Feb. 24, 1874.



Witnesses
 Nelson A. Hunt
 Caleb Elliott

Inventor
 John L. Gause
 By J. B. Hunt
 Atty.

UNITED STATES PATENT OFFICE.

JOHN L. GAUSE, OF CLEVELAND, OHIO.

IMPROVEMENT IN MITER-BOXES.

Specification forming part of Letters Patent No. **147,764**, dated February 24, 1874; application filed June 30, 1873.

To all whom it may concern:

Be it known that I, JOHN L. GAUSE, of Cleveland, county of Cuyahoga, and State of Ohio, have invented certain Improvements in Miter-Boxes, of which the following is a specification:

My invention relates to an improvement in miter-boxes, in such manner as to be adjustable for the purpose of cutting both miters and bevels at any required angle, as hereinafter described.

Figure 1 is a perspective view, showing the dial-plates K and E, saw-guides C, and adjustable back B. Fig. 2 is a vertical cross-section. Fig. 3 is a back view, showing the manner of adjusting the same.

A is the board upon which the lumber to be cut is placed. B is the adjustable back, (shown in Fig. 3;) C C C C, saw-guides; M, the base-board, upon which the whole is mounted. V is a rocking beam, which carries the saw-guides C. The rear end of this beam is pivoted at G. The front end carries the pointer R, to indicate the degree on the dial-plate K. The outer end of the pin or pointer carries the vertical pointer P, to indicate the degree of bevel it is desired to cut on the dial-plate E, the rocking beam being held in any required position by tightening the thumb-nut O.

When it is desired to move the rocking beam V to the right or left to cut any required miter, the thumb-nut N is loosened, which re-

leases the clamp L, and allows the dial-plate E to slide around on the projection D on the outer edge of the arc to which it is attached.

The back boards B are adjustable, by means of the slots T and thumb-nuts H, to allow either board to slide out of the way of the saw-guides, as it may be necessary to turn the rocking beam to the right or left in cutting bevels.

One of the features of my miter-box is the construction of the saw-guides C, the same being of rubber tubing, with brass or other metal tubes U inserted, through which the pins S pass. The holes in the ends of the rocking beam through which these pins pass are slightly elongated, to allow of adjustment of the saw-guides through means of the nuts Y.

I do not wish to confine myself to rubber tubing, as any soft or yielding material may be used; or the saw-guides may be made of wood, either with or without the tubes U inserted.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

The rocking lever V, carrying the saw-guides C, in combination with the dial-plates K and E, all combined and operating as set forth, for the purpose specified.

JOHN L. GAUSE.

Witnesses:

WILLIAM R. JONES,
CALEB ELLIOTT.