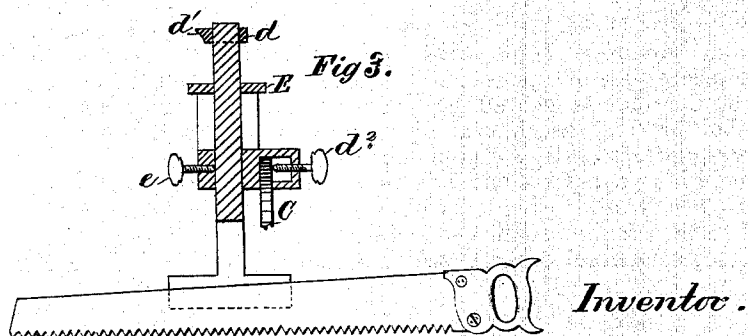
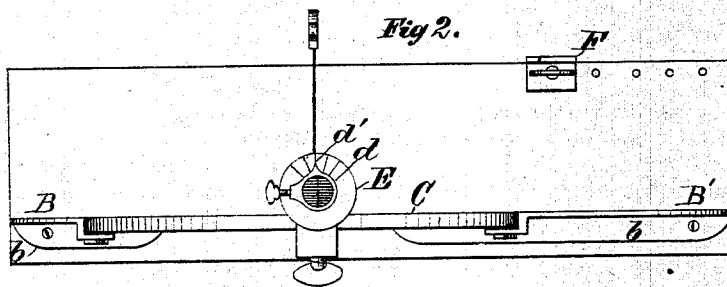
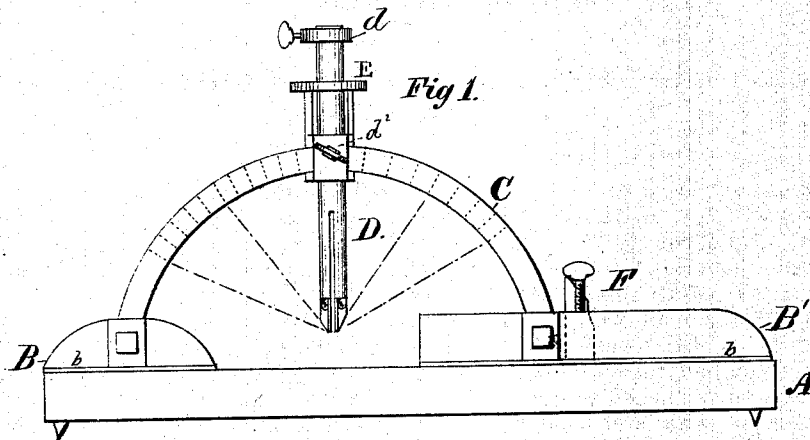


C. CATON.
Miter-Boxes.

No. 139,867.

Patented June 17, 1873.



Witnesses:

Harrie C. Clark.

R. St. Dyer.

Inventor.

Charles Caton

by Dyer, Beadle & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

CHARLES CATON, OF COSHOCTON, OHIO.

IMPROVEMENT IN MITER-BOXES.

Specification forming part of Letters Patent No. **139,867**, dated June 17, 1873; application filed April 7, 1873.

To all whom it may concern:

Be it known that I, CHARLES CATON, of Coshocton, in the county of Coshocton and State of Ohio, have invented new and useful Improvements in Miter-Boxes; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings and to the letters of reference marked thereon.

This invention is an improvement upon my patent for improvement in miter-boxes, granted May 21, 1872, No. 126,873; and consists in certain details of construction, by means of which the device is simplified and improved.

In the drawings, Figure 1 represents a side elevation of my improved machine, Fig. 2, a plan view, and Fig. 3 a partial sectional elevation.

To enable others skilled in the art to make and use my invention, I will now proceed to fully describe its construction.

A represents the base-board, supported upon pins *a a*, as shown. B B' represent the gage-irons, against which the wood is held when being operated upon. These are provided with flanges *b b*, which are strongly secured to the base-board by means of screws, as shown. These irons are also each provided, at the proper point, with a recess adapted to receive one of the feet of the semicircular iron C, which is secured in place by means of a bolt or rivet, as shown. D represents the saw-guide, consisting of a rod—for convenience made in two parts—which is recessed at its lower end, and provided with arms to hold the saw. E represents a socket-iron attached to the semicircular iron C, which socket holds

the upper end of the saw-guide, the latter being free, however, to revolve in either direction, or to move vertically, it being rigidly secured in any desired position by means of the set-screw *e*. *d* represents a removable and adjustable ring attached to the upper end of the saw-guide, which serves, by means of an index, *d'*, to indicate upon the marked face of the socket-iron E the exact position of the slot in which the saw moves.

The socket-iron E is capable of sliding freely in either direction upon the semicircular iron C, and may be fixed in any desired position by means of the set-screw *d'*.

F represents a gage attached to the edge of the base-board, and made adjustable by means of a set-screw, as shown.

The operation of my invention will be readily understood, and will not, therefore, be described.

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

1. The combination of the saw-guide and a removable clamping index-ring, substantially as described.

2. The combination of the saw-guides having the clamping-ring with index-finger, and the socket-iron having the marked surfaces, and the arc C, as described.

This specification signed and witnessed this 24th day of March, 1873.

CHARLES CATON.

Witnesses:

JAMES S. ELLIOTT,
J. A. MAYHUGH.