

(No Model.)

C. SEYMOUR.

FENCE FOR SAWS.

No. 378,939.

Patented Mar. 6, 1888.

Fig. 1

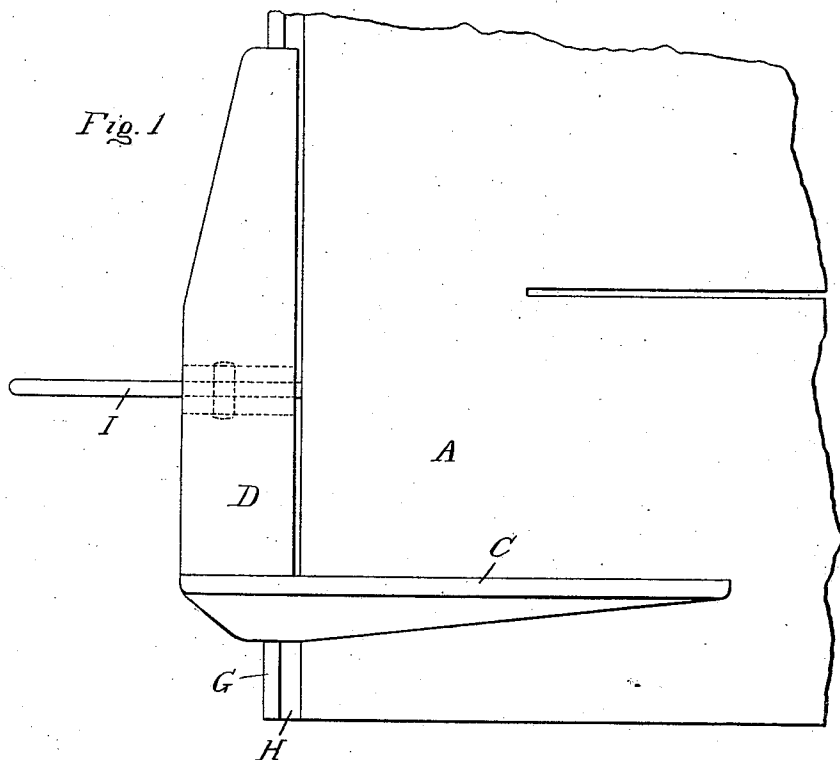
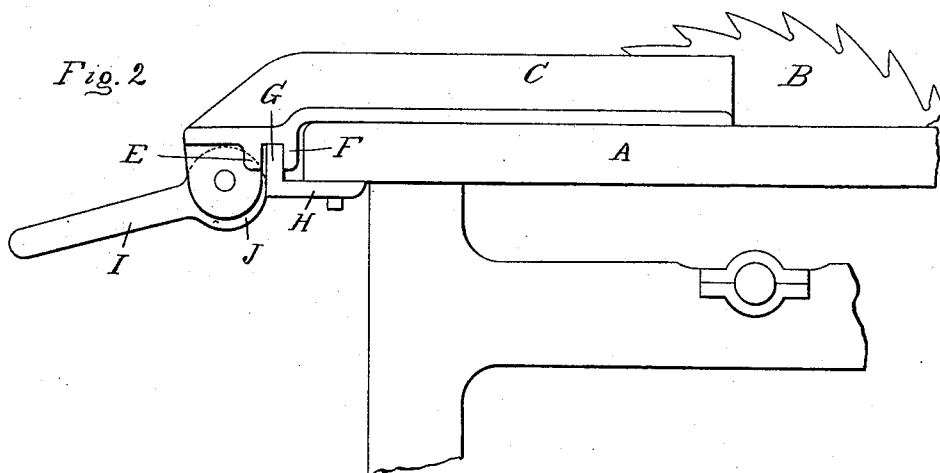


Fig. 2



Witnesses:

P. M. Hulbert,
[Signature]

Inventor:

Charles Seymour.

By *Thos. L. Sprague*
Atty.

UNITED STATES PATENT OFFICE.

CHARLES SEYMOUR, OF DEFIANCE, OHIO, ASSIGNOR TO THE DEFIANCE
MACHINE WORKS, OF SAME PLACE.

FENCE FOR SAWS.

SPECIFICATION forming part of Letters Patent No. 378,939, dated March 6, 1888.

Application filed November 12, 1887. Serial No. 254,968. (No model.)

To all whom it may concern:

Be it known that I, CHARLES SEYMOUR, a citizen of the United States, residing at Defiance, in the county of Defiance and State of Ohio, have invented certain new and useful Improvements in Fences for Saws, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to new and useful improvements in fences for saws; and the invention consists in the peculiar construction and arrangement of the parts, whereby a quick adjustability of the parts with one hand is obtained. In the present state of the art it is a common practice to make such fences adjustable; but to effect the adjustment more or less time is consumed, owing to the slow operation of the devices provided therefor. In some machines, especially in the wood-working class, it is very desirable to have means for adjusting such fence instantaneously by the operator with one hand, leaving his other hand free to adjust his work; and to this end I have devised the construction hereinafter described, and shown in the drawings, wherein—

Figure 1 is a plan view, and Fig. 2 is an end elevation, of a circular-saw bench to which my improvement is applied.

A is the bed or table on which the work is placed.

B is the saw, and C is the fence, which is provided with the arm D, projecting at right angles therefrom, as shown, forming an extension-platform in front of the saw-table, and is provided upon its under side with the downwardly-projecting parallel guide-flanges E and F, which form between them a guide-groove into which engages the upwardly-projecting flange G of the guide-rail H, which is fastened to the front edge of the saw-table. To the under side of the arm D, I pivotally secure the binder I, which terminates upon its inner end in the eccentric J.

In practice the fence slides freely upon the

rail when the grip of the binder is released by being raised with the hand, and this binder serves as a handle by which the fence may be moved to and from the saw upon the guide-rail in any desired position, in which it is instantly fastened by depressing the binder. The arm D, instead of being in the way of the operator, forms a convenient extension to the table to support the work.

The binder C, instead of carrying an eccentric upon its inner end, as shown, may be connected to operate any other suitable holdfast-clamp—such as a screw, toggle-levers, &c.

My device is inexpensive, and is in the form of an attachment which may be readily fastened to either iron or wood tables, to the carriage of a lumber-edger, or to any other machine in which a fence is desired—as, for instance, to hand-planers, rabbeting-machines, and the like.

What I claim as my invention is—

1. The fence C, provided with the arm D, projecting at right angles therefrom, the flanges E F, depending from the under side of said arm, and the binder I, pivoted to the arm D and terminating at its inner end in the eccentric J, substantially as and for the purpose specified.

2. The combination, with the table A and the guide-rail H, secured to the front edge of said table and provided with upwardly-projecting flange G, of the fence C, provided with arm D at right angles thereto, the guide-flanges E F on the under side of said arm, and the binder I, pivoted to the under side of said arm and terminating at its inner end in the eccentric J, substantially as and for the purpose specified.

In testimony whereof I affix my signature, in presence of two witnesses, this 4th day of November, 1887.

CHARLES SEYMOUR.

Witnesses:

JNO. P. CAMERON,
F. G. BROWN.