

E. M. Boynton,

Saw Frame.

No. 105032.

Patented July 5. 1870.

Fig. 1.

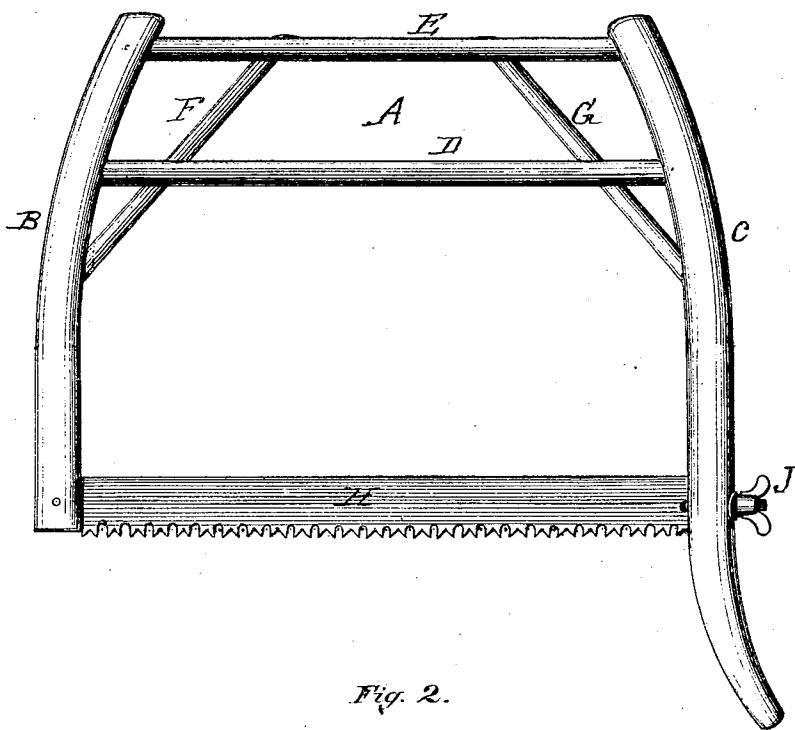
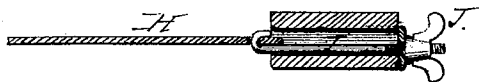


Fig. 2.



Witnesses,

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Inventor,

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United States Patent Office.

EBEN MOODY BOYNTON, OF WEST NEWBURY, MASSACHUSETTS.

Letters Patent No. 105,032, dated July 5, 1870.

IMPROVEMENT IN SAW-FRAMES.

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, EBEN MOODY BOYNTON, of West Newbury, in the county of Essex and State of Massachusetts, have invented certain Improvements in Saw-Frames, of which the following is a specification, reference being had to the accompanying drawing.

My invention relates to what are known as buck-saws, and consists in a novel construction of the frame, by the use of braces for rendering it rigid, in connection with a short bolt with a hook on one end for attachment to the saw-blade, and a thumb-nut on the opposite end for tightening or stiffening the whole, as hereinafter explained.

In the drawing—

Figure 1 is a plan view of a buck-saw, with the braces for rendering the frame rigid.

Figure 2 is a cross-section, showing the method of tightening or stiffening the whole.

As is well-known, the frames of buck-saws are ordinarily so constructed that they stiffen the saw-blade by having the upper ends of the sides drawn together.

My object is to accomplish the same result in a more expeditious and convenient manner, by a novel construction of the frame, in connection with a peculiar method of attaching and adjusting the saw-blade.

This I do by making a saw-frame, A, of the side-

pieces B C and the cross-pieces D E, arranged as clearly shown in fig. 1, and then rendering the whole rigid by means of corner braces F and G, firmly secured in place, as shown in the same figure.

The saw-blade H, I pivot at its front end in the lower end of the front side B of the frame, and to its opposite or rear end hook a short bolt or tang, I, which is passed through a slot in the side piece C of the frame, and secured then by means of a thumb or set-nut, J, all as clearly shown in figs. 1 and 2.

As will be readily seen, the saw can at once, by simply turning the thumb-nut, be stiffened, by being drawn as tight as desired, the frame being so rigid as not to give any.

Having thus described my invention,

What I claim, is—

1. A rigid frame for buck or similar saws, consisting of the side pieces B C, cross-pieces D E, and braces F G, when constructed and arranged substantially as herein described.

2. The combination of the rigid saw-frame A with saw-blade H, tang I, and thumb-nut J, when constructed and arranged substantially as herein described.

EBEN MOODY BOYNTON.

Witnesses:

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