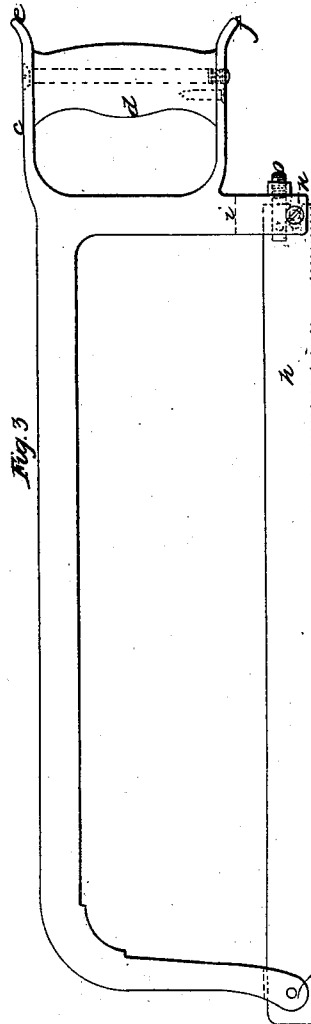
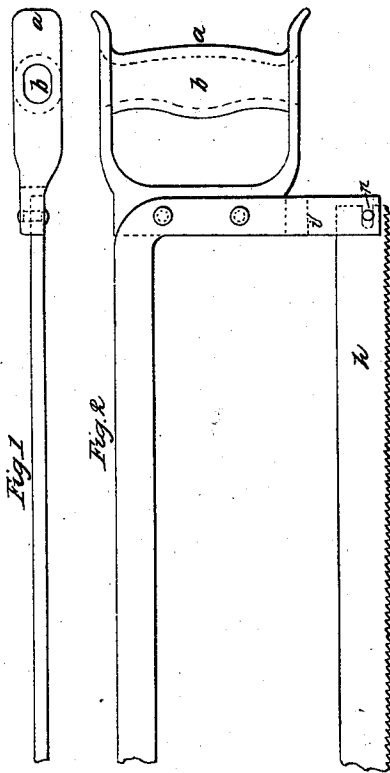
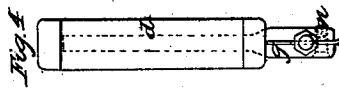


C. Richardson,

Hand-Saw Frame,

No 65,947,

Patented June 18, 1867.



Witnesses:

*Wm. C. Richardson
John Edmondson*

Inventor:

Christopher Richardson

United States Patent Office.

CHRISTOPHER RICHARDSON, OF NEWARK, NEW JERSEY.

Letters Patent No. 65,947, dated June 18, 1867.

IMPROVEMENT IN HAND-SAW FRAMES.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, CHRISTOPHER RICHARDSON, of Newark, New Jersey, have invented a new and improved mode of making metallic Saw-Frames; and I do hereby declare that the following is a full, clear, and exact description of the construction of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 3 is a side view of the frame.

Figures 2 and 1, a side view and plan of a handle; and

Figure 4 an end view of the clamp for holding the blade.

The object of my invention is to provide a better means of holding the saw-blade in the frame than can be furnished by any pin, rivet, or stretching screw. To hold the blade, an opening is made in the end of the frame of about the thickness of the saw-blade, and a screw passed through the frame and opening from side to side, affording the means to clamp the blade tightly after it has been properly stretched by the stretching-screw, which passes through the frame at the side of the clamping-screw, in the same direction as the saw.

The same letters refer to the same parts in all the figures.

a is a handle of metal, attached to a metallic saw-frame, shown in part in figs. 1 and 2. This handle is made entirely of metal, and is hollow at *b*, to make it lighter. The part embraced by the hand is covered with leather, woollen, &c., to make it feel warm in cold weather. *c* is a handle, shown in fig. 3, made entirely of metal, except the part *d*, embraced by the hand, which is of wood, secured between the horns *e* and *f* of the handle. *g* is the opening in saw-frame, extending to *i*, in which the saw-blade *h* can be inserted and firmly clamped by the screw *n*, after being properly stretched by the stretching-screw *o*.

I do not claim the invention of these screws, or the use of them separately; as they may have been used before, but I believe they have never been used together.

What I claim, therefore, and desire to secure by Letters Patent, is—

The improved method of holding saws in metallic saw-frames, substantially as shown and described.

CHRISTOPHER RICHARDSON.

Witnesses:

WM. C. RICHARDSON,
JOHN EDMONDSON.