

(Model.)

H. L. PRATT.
SAW FASTENING AND FRAME.

No. 292,176.

Patented Jan. 22, 1884.

Fig. 1.

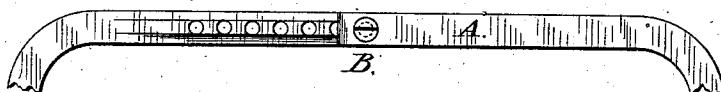


Fig. 2.

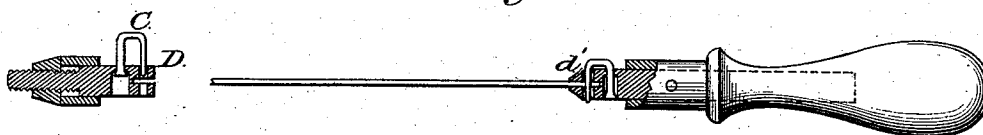
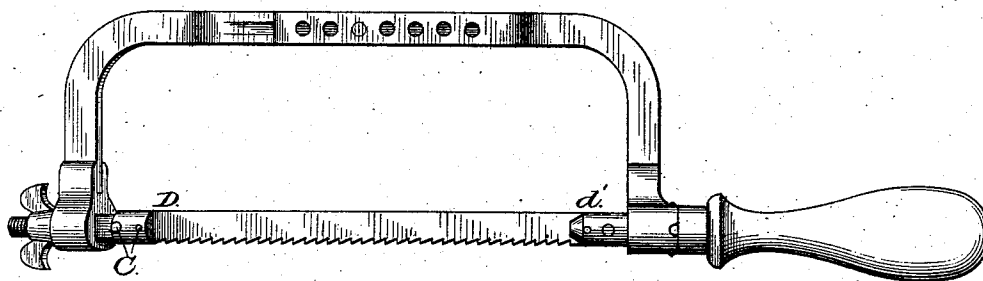


Fig. 3.



Witnesses:

John A. Ellis.
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N. L. Pratt

Inventor:

Atty.

UNITED STATES PATENT OFFICE.

HENRY L. PRATT, OF BROOKLYN, NEW YORK.

SAW FASTENING AND FRAME.

SPECIFICATION forming part of Letters Patent No. 292,176, dated January 22, 1884.

Application filed November 9, 1883. (Model.)

To all whom it may concern:

Be it known that I, HENRY L. PRATT, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Saw-Fastenings and Saw-Frames, of which the following is a specification.

Various methods have hitherto been in use for attaching saw-blades to their frames; but generally it has been accomplished by the use of a straight iron pin. This pin in common use is held firmly in its place when the saw is strained, but falls out easily when the strain is removed.

Now, my improvement consists in so constructing this pin that it cannot fall out and be lost.

I am aware of the invention of John Class, patented July 3, 1883, in which he uses a straight pin for holding a saw in its frame, so headed that it will not fall out. This device is suited to wide saws, which will admit of large holes being punched through them; but for narrow saw-blades something different must be provided, and for this need my invention provides.

Figure 1 represents a section of the saw-frame A, made in two parts overlapping each other, and held together with the screw B. This overlapping is for the purpose of lengthening and shortening the frame to fit various lengths of blades; but as this device is already in use, I make no claim for its invention.

Fig. 2 represents the two slotted bolts D and d' of the saw-frame, into which the ends of the saw-blade are inserted, and the bent pin

C, which holds them in place. This bent pin C is made of iron or steel, headed at one end and pointed at the other. Two holes are drilled through the inner ends of each bolt D and d', at right angles with the slots, of suitable size to receive the bent pin C. Then, to admit of the head of the pin C passing inside the bolt, the hole in which the headed prong of the pin C runs is reamed out nearly its whole length, but leaving a narrow neck on the outside, through which the head of the bent pin cannot pass, the pin being headed after it is inserted in the bolt; consequently, when the point of the pin C is drawn back past the slot in which the saw-blade rests, thus permitting the saw-blade to be removed, the head is still within the bolt, preventing the pin from falling out.

Fig. 3 represents the saw-frame entire, with metallic bow, wooden handle, thumb-nut for straining the saw, slotted bolt, and the saw-blade held in place by the two bent pins, and ready for use.

I claim—

The bent pin C, headed at one end and pointed at the other, for holding a saw in its frame, in combination with the bolt D and d', or their equivalents, substantially as and for the purposes specified.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 1st day of November, 1883.

HENRY L. PRATT.

Witnesses:

E. P. STOUGHTON,
L. SCHREYVOGEL.