

(No Model.)

L. T. BLEGEN.
SAW HANDLE ATTACHMENT.

No. 384,741.

Patented June 19, 1888.

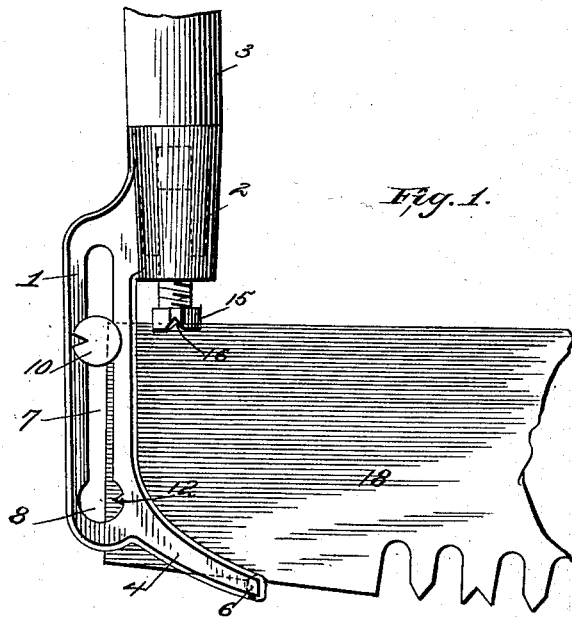


Fig. 1.

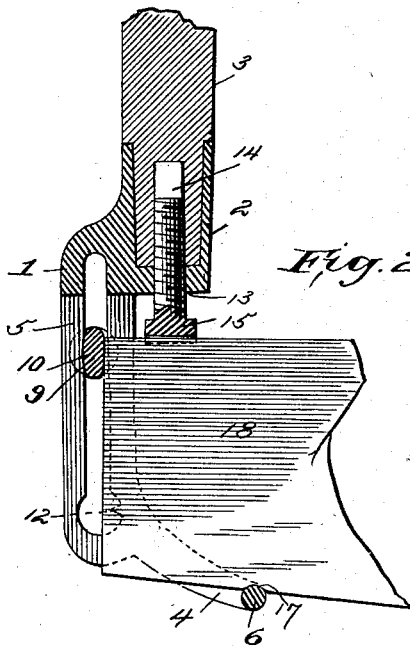


Fig. 2.

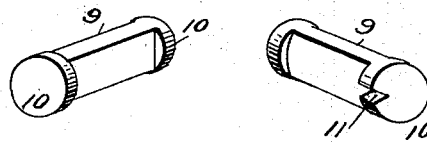


Fig. 3.

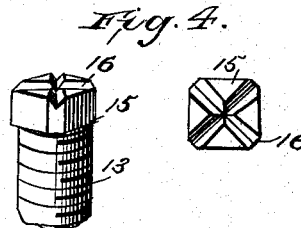


Fig. 4.

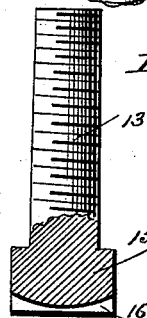


Fig. 5.

WITNESSES:

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UNITED STATES PATENT OFFICE.

LARS T. BLEGEN, OF MARTELL, WISCONSIN.

SAW-HANDLE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 384,741, dated June 19, 1888.

Application filed October 8, 1887. Serial No. 251,855. (No model.)

To all whom it may concern:

Be it known that I, LARS T. BLEGEN, of Martell, in the county of Pierce and State of Wisconsin, have invented a new and useful
5 Improvement in Saw-Handle Attachments, of which the following is a full, clear, and exact description.

This invention relates to an improvement in saw-handle attachments, and has special reference to handles used with crosscut-saws.

The object of this invention is to provide a removable handle attachment for crosscut-saws which is easily applied and will not bend nor break the saw.

15 The invention consists in a handle attachment constructed as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, 20 in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a side view of my device applied to a saw, the saw-blade being partly broken away. Fig. 2 is a similar view showing the 25 handle attachment in vertical section. Fig. 3 represents the wedging bolt or fastener in perspective from opposite sides, and Fig. 4 represents a stop-bolt in elevation and in plan view. Fig. 5 is a view of the bolt in Fig. 4, 30 partly in vertical section.

In carrying out my invention I employ a slotted handle attachment and saw-blade holder, 1, preferably made in one piece, of iron or other suitable material, and provided with the 35 tapering socket portion 2, adapted to receive the end of a wooden handle, 3, which may be secured therein in any suitable manner. The attachment or holder 1 is formed with the projection 4, which may be curved or inclined, 40 and is provided with a vertical slot, 5, extending from near its upper end down to a point, 6, at the end of the inclined or curved portion 4. It is also provided with a vertical slot, 7, at right angles or transverse to slot 5 and opening 45 into the latter, and having a circular opening, 8, at its lower end. A wedging-bolt, 9, is provided, adapted to slide in the slot 7, having circular heads 10, which can be inserted through the opening 8, and by which it is held 50 from falling out of the slot 7. The circular opening 8 is formed with a projection, 12, in

order to keep the bolt or pin 9 in place by means of said projection abutting against the flange of head 10, which latter has a slot, 11, therein, which allows it to slip past projection 55 12 and be turned, so as to have projection 12 hold it in place.

The bottom of the tapering socket 2 is provided with a screw-threaded opening, 13, which registers with an opening, 14, in the lower end 60 of the handle 3, and in which is inserted a screw-threaded stop, 15. The latter has its head provided with slots 16, which are somewhat convex to adapt them to the upper edge of the saw-blade when it is tipped into place 65 in the attachment 1. To secure a saw in place, the lower edge of the saw-blade should be provided with a notch, 17, to fit over the lower end, 6, of the projection 4.

My saw-handle attachment is secured to the 70 saw-blade in the following manner: The wedging piece or bolt 9 is pushed up to the upper end of the slot 7, and the end of a saw-blade, 18, is inserted in the vertical slot 5, with the notched portion 17 resting in the end 6, the 75 attachment being inclined at an angle. The handle is then brought over until the upper edge of the saw-blade 18 enters one of the slots 16 in the bolt 15 and the latter rests against the upper edge of the saw-blade. The bolt or 80 wedging-piece 9 is then pushed down in the slot 7 behind the end of the saw-blade, forcing the upper edge of the latter against stop 15 and by reason of the convexity of slot 16 rocking the saw-blade on the point 6 and wedging 85 the upper edge of saw-blade tightly against stop 15. In order to detach the handle from the saw-blade, the reverse operation is carried on by lifting the wedging-piece 9 and tipping 90 back the attachment 1, thereby removing the stop 15 from the upper edge of the blade and allowing the saw-blade to be lifted out of the slot 5. The stop 15 is adjustable in its socket, in order to adapt it to saw-blades of different 95 sizes.

It will thus be seen that the handle is easily and quickly attached and removed and will not become loose, but remain firmly secured to the blade. There is no danger of bending the blade nor of breaking it in attaching or de- 100 taching the handle.

Instead of forming the attachment with a

handle-socket, it may be made in one piece with the handle; but I preferably form it as shown and described.

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

1. A removable handle attachment for cross-cut-saws, consisting of a saw-blade holder formed with an inwardly-extending projection at its lower end and a vertical slot extending through the projection and the holder to receive the entire end of a saw-blade, a stop at its upper end adapted to bear against the upper edge of the saw-blade, a slot extending through the sides of the holder and opening into the first-named slot, and a vertically-movable transverse pin or bolt located in the slot, extending through the sides of the holder, and adapted to wedge against the end of the

saw-blade and secure it in position, substantially as described.

2. A handle attachment for saw-blades, consisting of a holder, 1, to hold the end of a saw-blade, having a socket, 2, to receive a handle, an adjustable stop, 15, with convex slots 16, to bear against the upper edge of a saw-blade, a vertical slot, 5, to receive the end of a saw-blade and extending to the end of curved portion 4, a vertical slot, 7, extending transversely through slot 5 and having a circular opening, 8, with projection 12, and a pin, 9, adapted to slide in slot 7 and having heads 10, one of which has a V-shaped slot, 11, adapted to pass over projection 12, substantially as described.

LARS T. BLEGEN.

Witnesses:

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HERMAN L. HANSOM.