

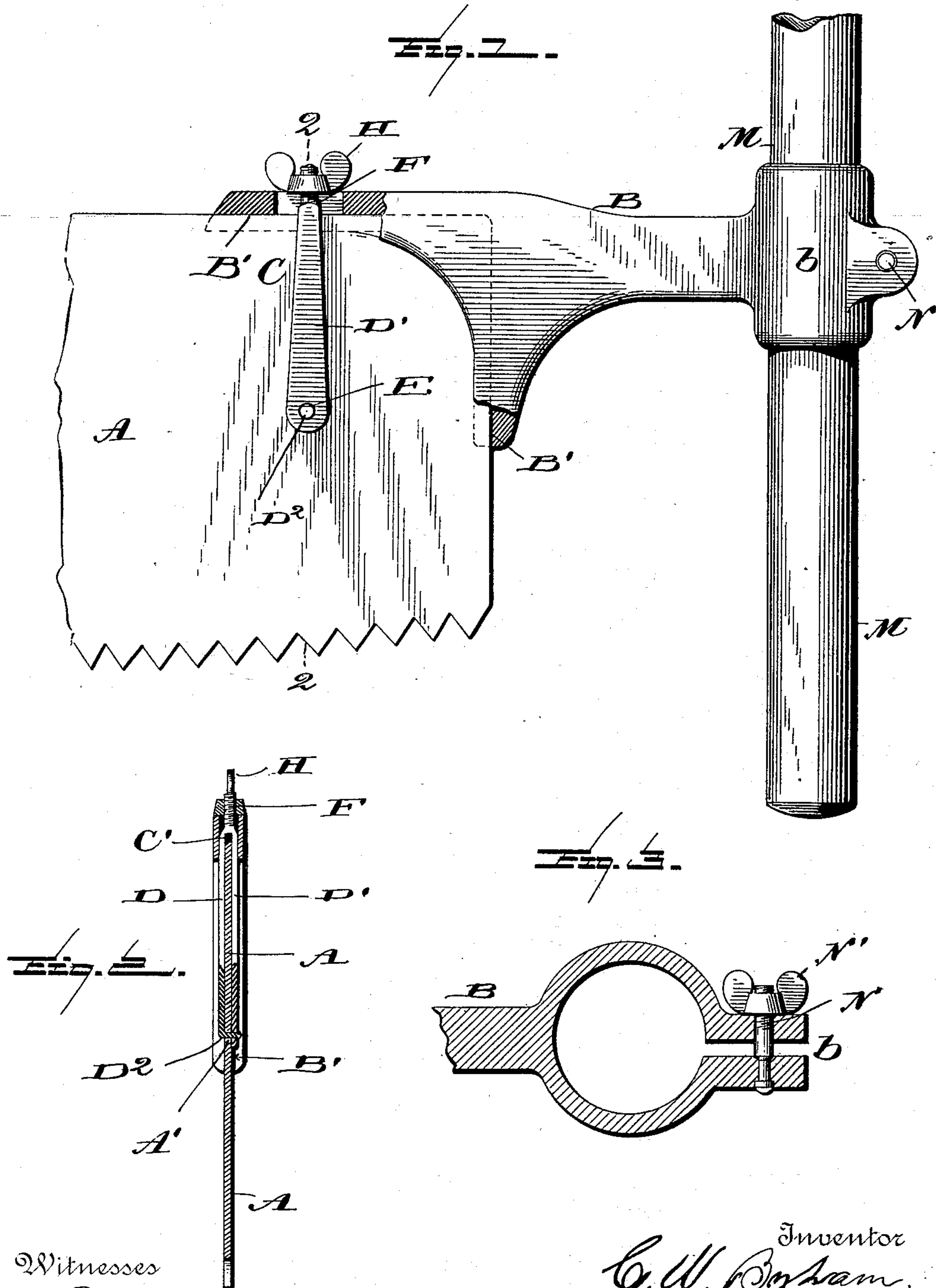
No. 624,292.

Patented May 2, 1899.

C. W. BYHAM.
SAW HANDLE.

(Application filed Jan. 14, 1899.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES W. BYHAM, OF KUSHEQUA, PENNSYLVANIA.

SAW-HANDLE.

SPECIFICATION forming part of Letters Patent No. 624,292, dated May 2, 1899.

Application filed January 14, 1899. Serial No. 702,158. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. BYHAM, a citizen of the United States, residing at Kushequa, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Saw-Handles; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in saw-handles, and especially to a handle which may be detachably connected to a crosscut or other saws and quickly detached when it is desired to apply the handle to various saws.

More specifically, the invention consists in the provision of a handle which has a right-angled grooved portion adapted to receive one corner and a portion of the longitudinal and end edges and held in place by means of a split rod or bar which is provided with a tightening thumb-screw at one end and its other saw-engaging end being provided with a right-angled projection designed to be sprung over the saw and through the aperture therein.

To these ends and to such others as the invention may pertain, the same consists in the novel construction, the combination, and adaptation of parts, as will be hereinafter more fully described and then specifically defined in the appended claim.

My invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which—

Figure 1 is a side elevation of my improved handle shown as attached to one end of a saw. Fig. 2 is a sectional view on line 2 2 of Fig. 1. Fig. 3 is a detail view of the collar and tightening-screw for holding the wooden part of the handle to the metallic saw-engaging part.

Reference now being had to the details of the drawings by letter, A designates the saw, and B the metallic portion of the handle, which is provided with a right-angled groove B', the outline of which is shown in Fig. 1 of

the drawings. In this socket thus formed by the groove one corner of the saw is adapted to be held, as shown. In order to hold the saw in the groove or socket provided therefor, a bar C is employed, which is split, as shown at C', forming two arms D and D', the former of which has a right-angled extension D², adapted to fit through an aperture E in the end of the arm D', as shown. The opposite end of said bar C is threaded, as at F, and about said threaded portion a tightening-screw H is carried. The said bar C is made, preferably, of a spring metal, so that the arms thereof may be sprung laterally so as to allow said bar to be placed over the saw-blade for the purpose of allowing the right-angled extension D² to engage in one of the apertures A' in the saw. The arm D will then be held normally with its extension through the saw, the free end of the arm D engaging in the aperture E in the end of the arm D', and no nut will be necessary to hold the said bar in such locked position, retaining the saw securely in the position shown in Fig. 1 of the drawings. After the said bar has been attached to the saw the tightening-screw H may be screwed down to further securely hold the parts together.

In a projecting portion of the metallic saw-engaging member is a collar b, which is provided to embrace the wooden handle M, said collar being formed of two resilient portions held together by means of a tightening-screw N. This screw carries on its threaded end a tightening-nut N' and has its opposite end contracted, so as to retain the screw in one end of an arm of the collar.

From the foregoing it will be noted that in the provision of a handle as shown and described the said handle may be readily applied to various forms of saws and may be readily detached when desired.

Having thus described my invention, what I claim to be new, and desire to secure by Letters Patent, is—

A handle and fastening device for saws, comprising the shank portion B having a right-angled recess in which one corner of the saw-blade is adapted to engage, combined with the retaining-bar C which is forked and provided with arms D and D', the latter of

which is apertured near its end, the arm D having a right-angled end, said bar designed to straddle the saw and the angled end of arm D to engage in registering apertures in the
5 saw and arm D', the shoulders of the bar C extending into the recess, the threaded end F passing through an elongated aperture, in the shank of the handle, leading into its re-

cessed portion, and a wing-nut on said threaded end, all as shown and described. 10

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES W. BYHAM.

Witnesses:

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