

W. F. HOBBS.
 COMBINED NAIL PULLER AND HATCHET.
 APPLICATION FILED OCT. 10, 1911.

1,031,001.

Patented July 2, 1912.

Fig. 1

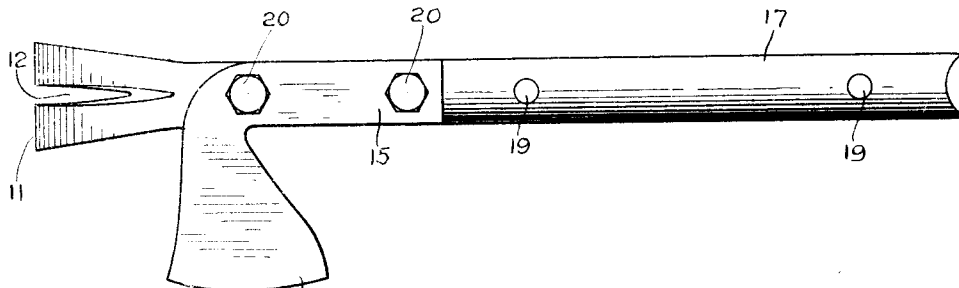


Fig. 2

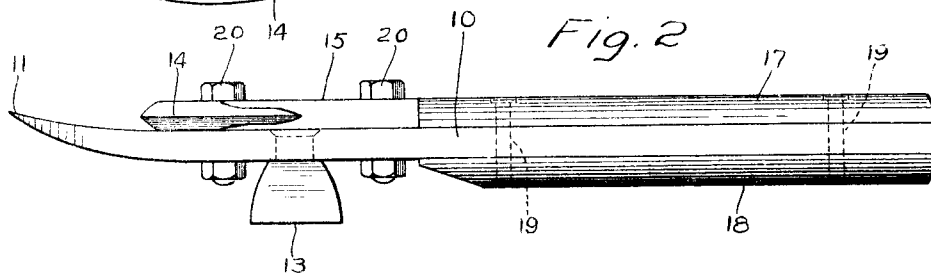
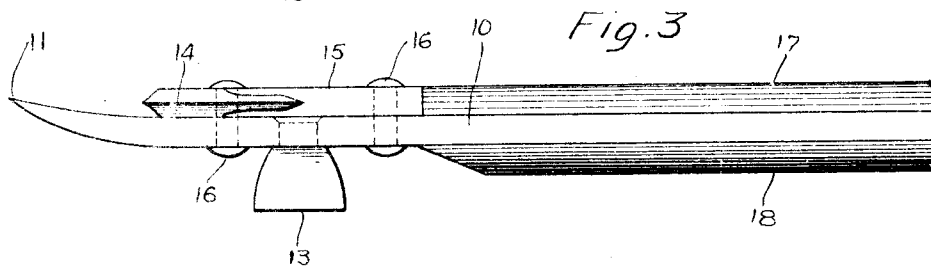


Fig. 3



WITNESSES:

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COMBINED NAIL-PULLER AND HATCHET.

1,031,001.

Specification of Letters Patent.

Patented July 2, 1912.

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To all whom it may concern:

Be it known that I, WILLIS F. HOBBS, a citizen of the United States, residing at Bridgeport, county of Fairfield, State of Connecticut, have invented an Improvement in Combined Nail-Pullers and Hatchets, of which the following is a specification.

This invention relates to the class of nail pullers in which a sliding head or hammer is dispensed with and all parts are rigidly secured in place, and is an improvement upon the nail puller described and claimed in my former Letters Patent Number 900,016, dated September 29, 1908.

I have noted a requirement of the trade for a tool adapted for general use in opening boxes, barrels, etc., and for closing them as well, that shall comprise an effective nail puller for starting lids and for drawing nails, a hammer for driving nails and a hatchet for cutting hoops and splitting and breaking boards, work of such character being frequently required that cannot be performed with a hammer, a further requirement being that the tool shall be rigid and strong and able to stand the hardest kind of usage and that it shall be so simple in construction and economical in cost as to enable it to be retailed at a very low price thereby placing it within the reach of all, especially small retail dealers and small shippers.

With these and other objects in view I have devised the novel combined nail puller, hammer and hatchet of which the following description in connection with the accompanying drawing is a specification, reference characters being used to indicate the several parts:

Figure 1 is an elevation of my novel implement in position for use of the hatchet; Fig. 2 a similar view, the implement having been given a quarter turn and the hatchet being shown as detachable from the bar; and Fig. 3 is a similar view, the hatchet being shown as rigidly secured to the bar.

10 denotes a bar of metal at one end of which is a claw 11 formed by flattening the bar, tapering the opposite sides to a dull edge, tapering the edges thereof outward and providing the usual V-shaped opening indicated by 12. For convenience in use,

the claw is preferably curved slightly, as shown in Fig. 2. Back of the claw and on the under side of the bar when in position for use as a nail puller is a hammer 13 which also serves as a fulcrum when drawing nails. This hammer is a forged block which is provided with a shank, preferably elongated in the direction of the length of the bar, engaging a correspondingly shaped opening in the bar, the shank serving as a rivet for the hammer and being headed down upon the upper side of the bar and the elongation of the shank preventing the hammer from turning or from becoming loose.

14 denotes a hatchet parallel with the bar and at right angles to the hammer which is forged from one end of a piece of steel and the blade bent at right angles to the axis of the piece, the remainder of which comprises a shank 15 which is permanently secured to the bar longitudinally thereof by rivets 16, as in Fig. 3, or is detachably secured thereto by bolts 20, as in Fig. 2. Either mode of construction enables me to use a high grade of steel for the hatchet and the latter mode to conveniently remove a hatchet and replace it with a new one should it become broken, it being understood of course that there is little danger of breaking or seriously injuring either the claw or the hammer, but that the hatchet is liable to be broken or injured like all edged tools. In practice I find it a matter of considerable importance to be able to remove a broken hatchet and replace it with a new one at trifling expense and with only the removal and replacing of two bolts.

In manufacturing, the working parts are first tempered in the usual manner and afterward the temper is drawn by heating to the proper degree. The handle is preferably formed by strips of wood, indicated by 17 and 18, lying on opposite sides of the bar, said strips being rigidly secured to the bar by rivets 19. The forward end of wooden strip 17 is shown as abutting against the rear end of the shank of the hatchet and the forward end of strip 18 is shown as tapered down to the plane of the bar. The edges of strips 17 and 18 are preferably rounded for convenience in handling. Any style of handle may be used

although I preferably use a handle formed from two strips of wood riveted to the bar.

The ordinary operation in opening a box is as follows: The cover is started by forcing the claw between the cover and the top of the box and prying the cover upward. The cover is then struck a blow with the hammer which drives the cover downward, leaving the heads of the nails above the cover. The claw is then inserted under the heads of the nails, the shanks of the nails lying in the V-shaped opening, and the nails are drawn by pressing downward upon the handle, the hammer being so located as to serve as a positive fulcrum. The strips of wood which cover the sides of the handle add stiffness and rigidity to the tool and make it possible to provide a strong and serviceable tool of very much lighter weight

than could be produced if made of solid steel.

Having thus described my invention I claim:

A hatchet attachment for a claw bar comprising an approximately triangular hatchet blade provided with an integral flat shank disposed at right angles with relation to said blade, in combination with a claw bar having a flat shank to which the hatchet shank is attached immediately to the rear of the claw notch of said claw bar.

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

WILLIS F. HOBBS.

Witnesses:

A. M. WOOSTER,
S. W. ATHERTON.