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COMBINATION TACK HAMMER AND PULLER.

APPLICATION FILED FEB. 1, 1908.

919,370. Patented Apr. 27, 1909.

Fig. 1.

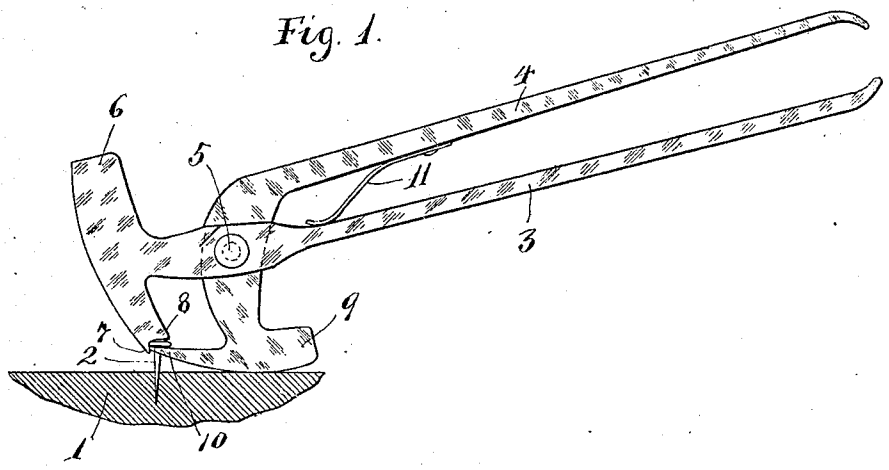


Fig. 2.

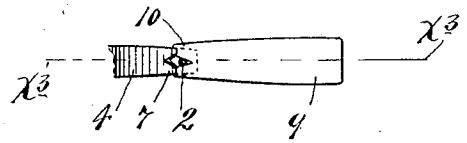
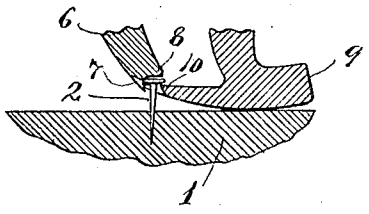


Fig. 3.



Witnesses.
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COMBINATION TACK HAMMER AND PULLER.

No. 919,370. Specification of Letters Patent. Patented April 27, 1909.

Application filed February 1, 1908. Serial No. 413,830.

To all whom it may concern:

Be it known that I, NELS LUND, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Combination Tack Hammers and Pullers; and I do hereby 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.

My invention has for its especial object to provide an improved combination tack hammer and puller, and to this end it consists of the novel devices and combinations of devices hereinafter described and defined in the claim.

The improved device is illustrated in the accompanying drawings, wherein like characters indicate like parts throughout the several views.

Referring to the drawings, Figure 1 is a view in side elevation, showing the improved hammer and puller and illustrating the action thereof in pulling a tack. Fig. 2 is a bottom plan view of the tool, with some parts broken away; and Fig. 3 is a vertical section taken on the line x^3 x^3 of Fig. 2, and showing also in section a portion of a board or like body from which a tack is being drawn.

The numeral 1 indicates a board or like body, and the numeral 2 an ordinary tack.

The improved tool is made up of two members 3 and 4 that act as levers and are intermediately connected by a pivot joint 5 of the usual or any suitable construction. The lever 3 is provided at one end with a hammer head 6, the inner and smaller end of which is terminated in a small V-shaped claw 7 and with a driving abutment 8. The lever 4 is provided with a transversely extended head 9, the small inner end of which is tapered to a quite sharp edge and is formed with a V-shaped claw 10. By reference to Fig. 1 it will be seen that the slightly curved face of the head 9 extends nearly parallel to the handle members 3 and 4, so that it may be used as a pounding surface to drive tacks or nails. A leaf spring 11 which, as shown, is secured to the lever 4, bears against the lever 3 and exerts a force tending to separate the handle ends of the levers 3 and 4 apart and to force apart the coöperating V-shaped tack-engaging claws 7 and 10.

The claws 7 and 10 are adapted to engage and hold the tack when the head of the latter presses against the driving abutment 8 of the lever 3. In this way a tack may be firmly held so that it may be driven into a floor or other wooden or similar material. This manner of holding the tack also makes it an easy matter to partly drive the tack into a board or other similar article which is located overhead and above a point that may be reached by the hands of a person using the tool. After the tack has been partly driven a single blow, delivered while the tack is held as above described, the tool will be removed from the tack and the driving of the tack may be completed by striking the head thereof either with the flat rounded outer portion of the head 9 or with the blunt end of the head 6. By means of the coöperating claws 7 and 10 a tack, when driven flush with the surface of a board, may be easily engaged and withdrawn.

The tool above described is capable of a great many different uses, but was especially designed and is particularly adapted for use by car inspectors and yard clerks for the purpose of applying cards and tags to box cars and removing the same therefrom. The tool is of small cost, is strong and durable and, in actual practice, has been found efficient for the purposes had in view.

What I claim is:

A combined tack hammer and puller, comprising a pair of pivotally connected levers, the said levers having driving heads extending transversely of each other, one of said heads having a V-shaped claw, and the other having an angular notch, between which claw and notch the head of a tack may be clamped, the said V-shaped claw being adapted to straddle the stem of said tack and the said angular notch being adapted to overlap the end of the V-shaped claw to hold said tack against endwise removal, substantially as described.

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

NELS LUND.

Witnesses:

H. D. KILGORE,

MALIE HOEL.