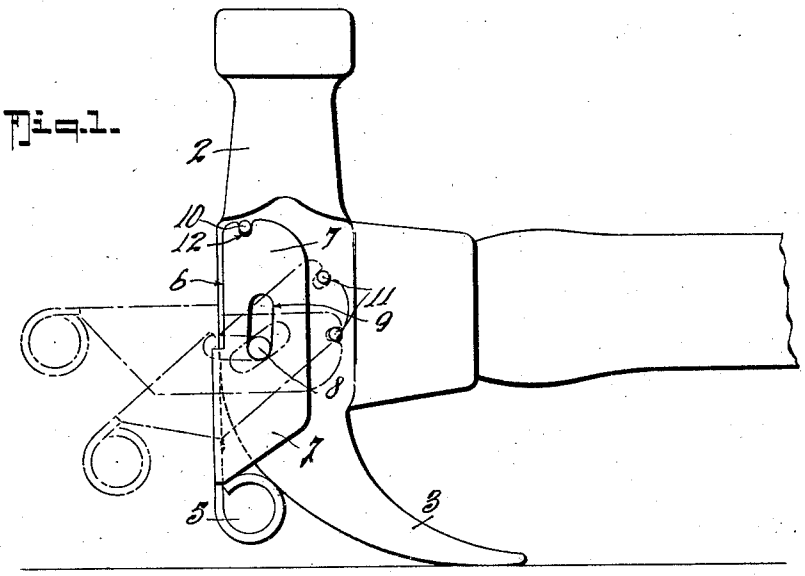
March 24, 1925. 1,531,014

F. S. MACLURE

CLAW HAMMER

Filed Jan. 5, 1924

Fig. 1.



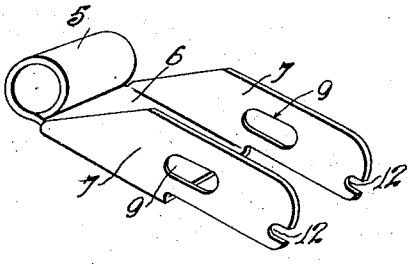


Fig. 2.

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UNITED STATES PATENT OFFICE.

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CLAW HAMMER.

Application filed January 5, 1924. Serial No. 684,559.

To all whom it may concern:

Be it known that I, FREDERICK S. MACLURE, a citizen of the Dominion of Canada, residing at Murrayville, in the Province of British Columbia, Canada, have invented certain new and useful Improvements in Claw Hammers, of which the following is a specification.

This invention relates to a supplementary attachment to an ordinary claw hammer, which attachment is designed to confer a greater range of extracting movement to the claw.

With the ordinary claw the extracting effort is due to the curved portion of the claw rolling on the surface of the wood in which is the nail to be withdrawn. Although the effort exerted to extract a nail is considerable in the earlier part of the movement, the range of that movement is not sufficient to withdraw the nail, so that a piece of wood is commonly packed under the curved portion of the claw in order to effect further withdrawal of the nail.

To meet this requirement, I provide the hammer head with a supplementary heel, which, though removable, is designed to form a relatively permanent attachment as when not in use, it can be retained against the hammer head, with which it conforms, so as not to interfere with its ordinary use as a hammer.

The device is fully described in the following specification, reference being made to the drawings by which it is accompanied, in which:

Fig. 1 shows a hammer head with the device applied, and

Fig. 2 shows the supplementary device detached, and in perspective.

In these drawings 2 represents the hammer and 3 the claw end of the hammer head. The supplementary extracting device consists of a cylindrical heel 5 upwardly bent from the end of a plate 6, preferably of sheet steel, which plate normally extends tangentially over the curved portion of the claw 3 from approximately the midlength of the hammer head, as shown in Fig. 1. The side edges of the plate 6 are turned up as at 7 to engage the width of the hammer head and afford support to the end of the plate 6 on which is the heel 5.

The sides 7 extend from adjacent the heel 5 to adjacent the beginning of the hammer 2, when the heel or fulcrum 5 is in contact with the bend of the claw 3, as shown by the full lines in Fig. 1.

This member 5, 6, 7 is retained on the hammer head by a pin 8 projecting from each side of the head into an elongated aperture 9 in each side 7.

The length of the aperture is such as will allow the plate 6 to turn to the positions indicated by the dot and dash lines. In the position indicated by the double dot and dash lines the end of the plate 6 is in contact with the end of the hammer head with the pin 8 at the end of the aperture 9.

The heel member 5 is held in the normal position represented by the full lines in Fig. 1 by a pin 10 projecting from one or both sides of the head into a notch 12 in the end of the upturned edges 7, from which engagement it may be withdrawn and moved into engagement with another pin or pins 11 supporting it at an intermediate position.

The device is thus retained in its connection to the hammer head 2, 3 by the pin 8 on which it is free to turn to the successive positions affording greater ranges of movement though with correspondingly less extracting effort.

A simple and convenient adjustable heel or fulcrum is thus provided for a claw hammer head that will afford a greater range of extracting movement than is obtainable with the claw alone; that when not required does not interfere with the ordinary use of the hammer and yet is readily available when required; that affords a considerable range of movement for nail extracting and that does not injure the surface of the wood.

Having now particularly described my invention I hereby declare that what I claim as new and desire to be protected in by Letter Patent, is:

1. A fulcrum for a claw hammer, comprising a thin plate of metal the side edges of which are turned at right angles to fit the width of the hammer head and the end of which is bent toward the same side to form a heel, and means for connecting the same to the hammer head and for adjusting the position of the heel in relation to the claw of the head.

2. A fulcrum for a claw hammer, comprising a plate of thin sheet metal the sides of

which are upturned to fit the width of the hammer head and the end of which is turned to form the heel, each upwardly turned side having a corresponding elongated aperture in it adapted to receive a pin, the ends of which project from the sides of the hammer head, on which pin the plate may be turned to vary the position of the heel in relation to the claw, the end of each upwardly turned side of the plate having a notch to engage one of a series of pins in the hammer head to retain the heel in the position to which it may be set.

In testimony whereof I affix my signature.

FREDERICK S. MACLURE.