

J. R. MORRISON.
 NAIL HOLDING ATTACHMENT.
 APPLICATION FILED MAY 25, 1909.

976,679.

Patented Nov. 22, 1910.

Fig. 1.

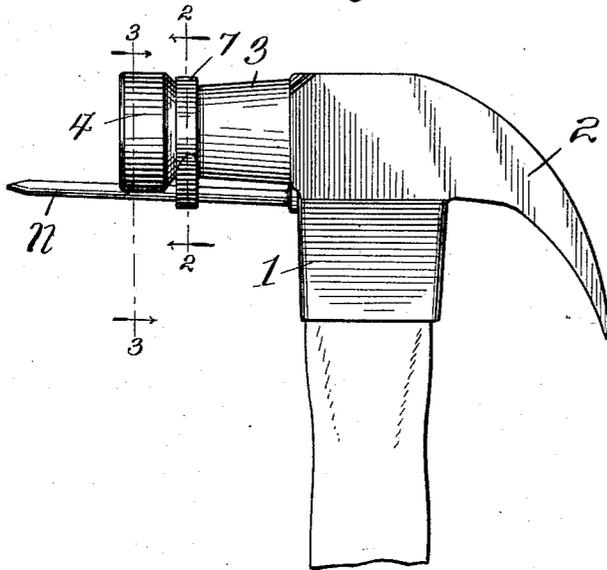


Fig. 2.

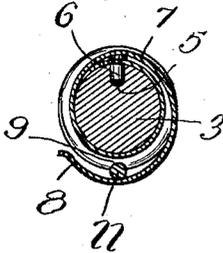


Fig. 3.

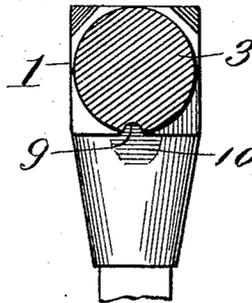
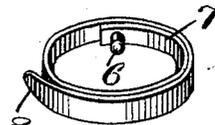


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

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NAIL-HOLDING ATTACHMENT.

976,679.

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To all whom it may concern:

Be it known that I, JOHN R. MORRISON, a citizen of the United States, residing at Hermosa Beach, in the county of Los Angeles and State of California, have invented new and useful Improvements in Nail-Holding Attachments, of which the following is a specification.

This invention relates to hammers.

The object of the invention is to provide a hammer having a novel form of attachment for holding a nail in position to start it in the wood, thereby obviating the necessity of holding it in the fingers, the hammer being especially useful in starting nails in inaccessible places, or at points at such height above the operator as to preclude reaching a desired spot without a ladder or the like.

A further object of the invention is to provide a nail holding attachment for hammers, which shall be so constructed and arranged, as to readily receive and positively hold the nail, and which will not interfere with the ordinary use of the hammer, and will not present any resistance to disconnection from the nail by a natural movement of the hand that holds the hammer, after the nail has been set.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts of a nail holding attachment for hammers, as will be hereinafter fully described and claimed.

In the accompanying drawings forming a part of this specification, and in which like characters of reference indicate corresponding parts:—Figure 1 is a view in side elevation of a hammer head equipped with the improvement of the present invention. Fig. 2 is a transverse sectional view taken on the line 2—2 of Fig. 1. Fig. 3 is a similar view on the line 3—3 of Fig. 1. Fig. 4 is a perspective detail view of the nail holding clip.

Referring to the drawings, there is shown in Fig. 1 an ordinary form of carpenters' hammer embodying an eye 1 and claw 2 and a poll 3. As herein shown the poll is provided with an enlarged striking face 4, but this is not essential as the poll may be of the ordinary taper type. Arranged in the upper face of the poll, adjacent to its striking face, is a socket 5 that is engaged by a pin

6 carried by a flat open coiled spring 7 that is adapted to encircle the poll of the hammer head and constitutes the nail holding clip. The pin 6, is detachably seated in the socket in order to permit the removal of the clip when desired, and providing means whereby the tool can be readily transformed by reversing the clip so as to be effectively used by either a right or left hand operator.

As shown in Fig. 4, the clip is composed of about one and three-quarter turns, the object of this arrangement being to cause the outer coil to hold the pin in position while the inner coil holds the clip in position on the poll of the hammer head. The outer terminal 8 of the spring is slightly spaced from the adjacent coil and is outwardly turned to facilitate insertion of the nail to position, and also to permit of the clip being readily disconnected from the nail when the same is seated. In order to hold the nail properly assembled with the poll, the latter is provided on its under side with a longitudinal groove 9 in which the shank of the nail rests, and its eye is provided at its point of juncture with the poll with a flat nail head rest 10 which will operate to facilitate in the proper seating of a nail.

In the use of the hammer, the nail is slipped in between the outer terminal of the clip and rests in the groove 9 with its head against the rest 10 whereon it may be seated for driving. As soon as the nail has been seated in the wood, a lateral movement of the handle will cause disconnection between the nail and the clip whereupon the former may be driven to its seat.

From the foregoing description, it will be seen that in order to adapt the clip for use in connection with an ordinary hammer it will only be necessary to provide the former with a socket 5, groove 9 and nail seat 10, and this may be done by any person of ordinary mechanical ability. To change the tool from right to left hand form, or vice versa, the clip will simply be removed, turned over and replaced.

I claim:—

1. A nail holding attachment for hammers consisting of an open spiral spring coil exceeding one complete turn and adapted to be sprung over the poll of a hammer head and to receive a nail intermediate two adjacent turns of the coil.

2. A nail holding clip consisting of an

- open spiral spring coil adapted to encircle the poll of a hammer head, and exceeding one complete turn and having the terminal of its outer coil bent outward from the adjacent inner coil.
- 5 3. A hammer having a poll provided with a recess in combination with a nail holding clip consisting of an open spiral spring coil exceeding one complete turn and adapted to encircle the poll of the hammer head, said coil being provided adjacent to the terminal of its inner coil with a pin engaging the recess.
- 10 4. A hammer having a poll provided with a nail seating groove and a recess, in combination with a nail holding clip consisting of a spring coil exceeding one complete turn encircling the poll and having adjacent to the terminal of its inner coil a pin engaging the recess; the terminal of the outer coil being bent outward from the adjacent inner coil.
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In testimony whereof I affix my signature in presence of two witnesses.

JOHN R. MORRISON.

Witnesses:

I. D. MOON,
H. O. RAABE.