

(No Model.)

A. F. STREET.
NAIL PULLER.

No. 483,587.

Patented Oct. 4, 1892.

Fig. 1.

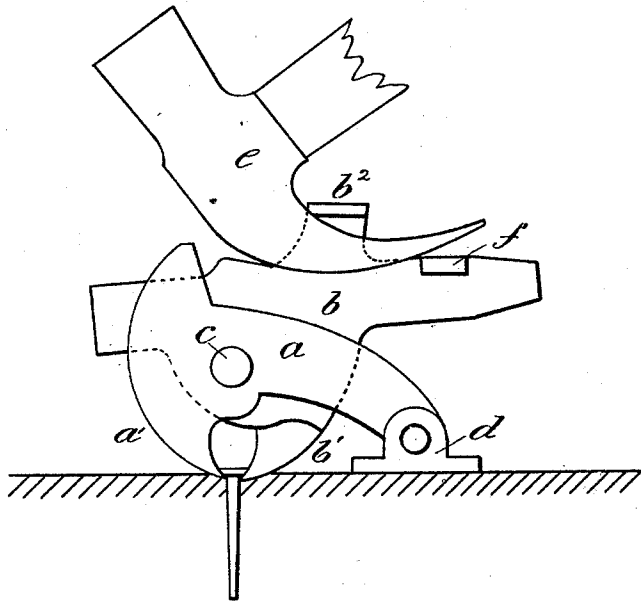
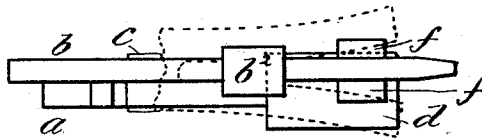


Fig. 2.



Witnesses
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att'y.

UNITED STATES PATENT OFFICE.

ALBERT F. STREET, OF ROCKVILLE, CONNECTICUT.

NAIL-PULLER.

SPECIFICATION forming part of Letters Patent No. 483,587, dated October 4, 1892.

Application filed September 7, 1891. Serial No. 404,926. (No model.)

To all whom it may concern:

Be it known that I, ALBERT F. STREET, of Rockville, in the county of Tolland and State of Connecticut, have invented certain new
5 and useful Improvements in Nail-Pullers, of which the following is a full, clear, and exact description, whereby any one skilled in the art can make and use the same.

The object of my invention is to provide a
10 nail-puller that is adapted to be used with an ordinary carpenter's hammer or any other tool having claws similar to those ordinarily formed on such a hammer, the nail-puller being of a convenient size and shape to be carried
15 in the pocket.

To this end my invention consists in details of the construction of the several parts making up the nail-puller and in their combination, as more particularly hereinafter described, and pointed out in the claim.
20

The within-described nail-puller used comprises certain improvements on the nail-puller described in United States patent granted to me July 28, 1891, No. 456,603.

25 Referring to the drawings, Figure 1 is a detail view in side elevation of the nail-puller, illustrating the method of using. Fig. 2 is a detail view of the top edge of the nail-puller.

In the accompanying drawings, the letter *a*
30 denotes one of the jaw-levers, and *b* the other, these two levers being pivoted together near one end by a pin or pivot *c*. Each of the levers has a jaw *a'* *b'*, formed on the under side and offset in such manner that the pointed ends of
35 the two levers co-operate, so as to enable them to grasp between them the head of a nail. These nail-grasping jaws are curved or otherwise suitably shaped on the outer surfaces and are tapered on the sides, so as to enable
40 them to be readily driven a limited distance into the surface of the wood in which a nail is embedded, the points being located on opposite sides of the nail-head or outer end of the nail. The jaw-lever *a* is on the opposite
45 side of the pivot from the jaw, and the fulcrum-foot *d*, that is preferably formed of a separate piece, is pivoted to the jaw-lever, the fulcrum-foot being of a sufficient size to afford a broad enough rest for the nail-puller
50 in the operation of drawing a nail to prevent the surface of the wood from being too greatly

indented by the use of the nail-puller. The other jaw-lever *b* is provided on the upper surface of the longer arm, that practically overlies the other lever-arm, with a lug *b'*, that
55 has a broadened part at the upper extremity, the neck or that part below the head of the lug being of a width to enable it to be readily grasped by the claw of a hammer *e*. When the hammer is used with the claws turned to-
60 ward the jaws, a rest is afforded for the hammer-head by the upper edge of the jaw-lever; but in case it is desired to turn the hammer in the opposite direction the jaw-lever offers no means of supporting the outer ends of the
65 claws, as the levers are usually made of thin material, so as to make it as thin and compact as possible. In order to enable the hammer to be used in the latter-described position, the upper surface of the jaw-lever *a* is
70 provided with the claw-rests *f*, which may consist of projecting lugs, as shown in the drawings, or be made by thickening the substance of the lever at that part. The ends of the levers opposite the grasping-jaws are
75 made, preferably, in such manner as to provide a surface upon which a hammer may be struck in order to drive the points of the jaws into the wood, so as to enable them to properly grasp the head or upper end of a nail.
80 A hammer or other tool having like claws may be used to withdraw the nail by engaging the lug on the upper end of the levers with the claw and then rocking the whole device on the fulcrum-foot, and thus withdrawing the
85 nail.

I claim as my invention—

The improved nail-puller composed of a pair of nail-grasping jaws pivoted together, the longer arms of the levers projecting on the
90 same side of the pivot-pin, one lever having a nail-grasping jaw and a downturned lever-arm pivoted to a fulcrum-foot, the fulcrum-foot and the other lever having a nail-grasping jaw with a claw-engaging lug *b'*, and claw-
95 rests *f* on the longer arm of said lever overlying the arm of the other lever bearing the fulcrum-foot, all substantially as described.

ALBERT F. STREET.

Witnesses:

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