

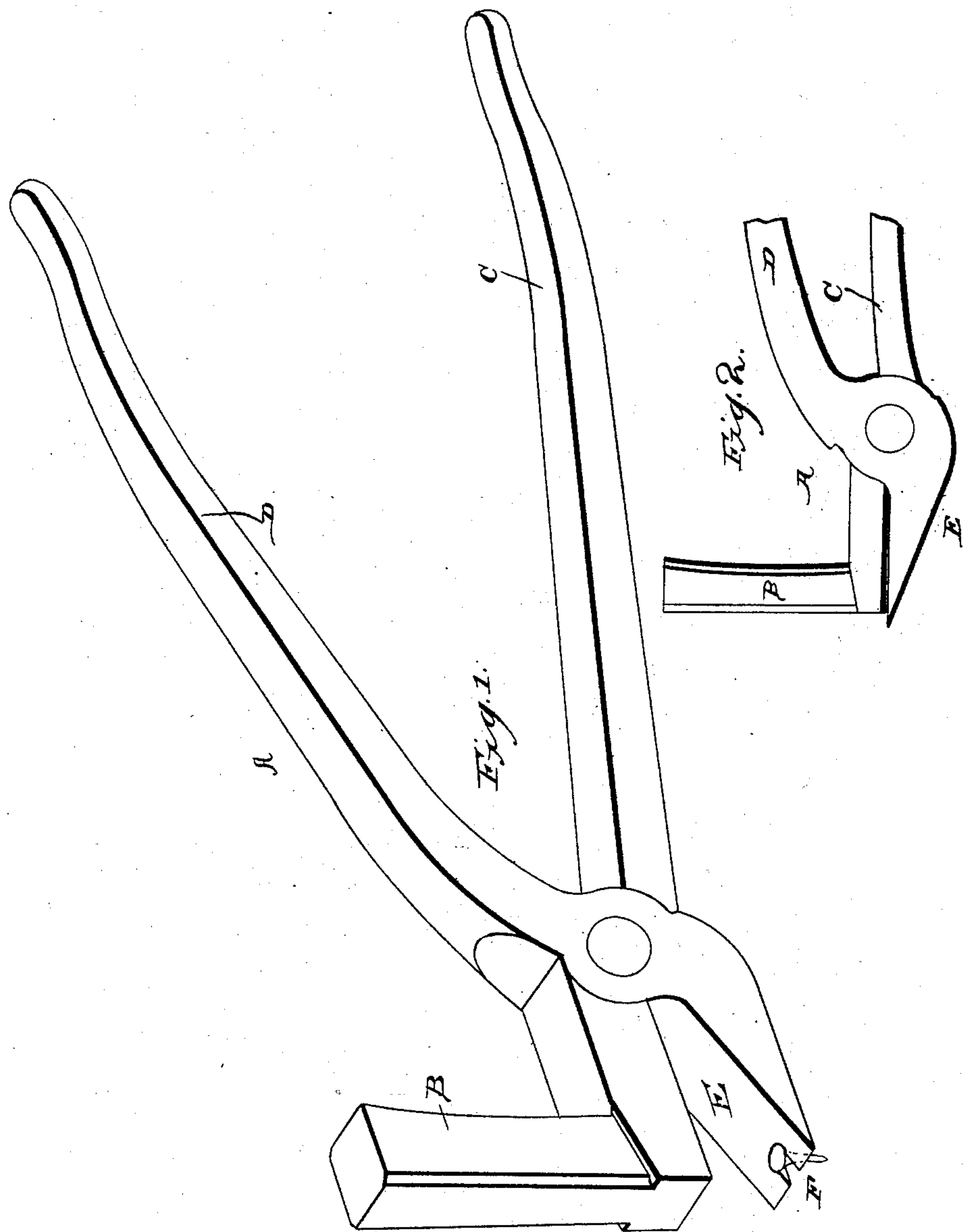
(No Model.)

J. SOUDERS.

COMBINED TACK HAMMER AND PULLER.

No. 371,105.

Patented Oct. 4, 1887.



Witnesses

Henry G. Dieterich

C. E. Doyle

Inventor

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By *his* Attorneys,

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UNITED STATES PATENT OFFICE.

JACOB SOUDERS, OF GREENTOWN, OHIO, ASSIGNOR OF ONE-HALF TO
THEODORE J. REAM, OF SAME PLACE.

COMBINED TACK HAMMER AND PULLER.

SPECIFICATION forming part of Letters Patent No. 371,105, dated October 4, 1887.

Application filed May 2, 1887. Serial No. 236,853. (No model.)

To all whom it may concern:

Be it known that I, JACOB SOUDERS, a citizen of the United States, residing at Greentown, in the county of Stark and State of Ohio, have invented a new and useful Improvement in Combined Tack Hammer, Setter, and Puller, of which the following is a specification.

My invention relates to improvements in hammers adapted especially for use in fastening down carpets; and it consists in a certain novel construction and arrangement of parts, fully set forth hereinafter, and specifically pointed out in the appended claim.

The accompanying drawings show, in Figure 1, a perspective view of the device as seen when about to receive a tack, and in Fig. 2 a side elevation showing the tack lifter and setter brought up to the head of the hammer.

Referring by letter to the drawings, A designates a hammer composed of a handle, C, having a jaw at its outer end and a hammer-head, B, at the end of the jaw, projecting therefrom at right angles thereto.

D designates a lever, pivoted near the front end to the said handle C, having the tapered tack-lifter E formed integrally therewith, and adapted, when the lever D and the handle C are drawn together, to close down on the upper side of the hammer. These handles C D are approximately straight, and extend from their pivotal connection in such directions that when the two jaws of the device are brought together the handles will lie close together and may be grasped as a single handle, so as to use the hammer-head for driving tacks. The said tapered tack-lifter is rounded at the rear end and reduced toward the front end, where it is provided with a notch, F, the said notch, when the tack-lifter is closed down on the hammer, being directly above and aligned with the hammer-head.

To set a tack, the shank thereof is placed in the notch F, with the head on the inner surface of the tack-lifter, and the said tack-lifter is closed down upon the upper side of the hammer. The device is now reversed, and with a pressure or a slight blow the tack may be firmly set. The weight of the hammer-head being above the said tack and directly aligned therewith, this is accomplished very easily. The handles are now opened, the hammer re-

versed, and the tack is driven in the ordinary manner.

To draw a tack, the front reduced end of the lifter is passed under the head thereof, the handle D of the lifter is pressed down upon, and, the rounded rear portion of the head of the lifter acting as a fulcrum, the tack is extracted. If before pressing down upon the said handle D the hammer-handle is drawn up, thus binding the front end of the hammer down upon the head of the tack, when the tack is extracted it will be held and may be carried to a containing-vessel or may be reset without altering its disposition in the tool.

Tacks may be picked out of a vessel or from the floor in the proper position to be set, thus entirely obviating the necessity of handling the same.

It will be seen that by the means herein provided tacks may be set in corners and in awkward places where it would be almost impossible to accomplish it with the ordinary means. It is sometimes desired to set tacks under furniture and out of reach of the arm of the operator, and by using my improved hammer the tack may be placed in any position within the reach of the arm with the length of the hammer added, all that is necessary being to fix the tack in the tool, reach under the said article of furniture, set the tack with a slight blow, and it is in position to be driven in the ordinary manner. The device is, further, simple in construction and easy to handle, will not be liable to get out of order, and will be found a great saving of time and trouble.

I am aware that tack-hammers having the form of pinchers, one of the jaws of which is notched to receive the tack, while the other jaw is adapted to close down upon and hold the said tack in place, is not new, and I therefore do not claim this. In my invention, however, to the handle of a hammer I pivot the handle of a tack-lifter in such a manner that the small notch in the outer end of the said tack-lifter will be directly aligned with the length of the hammer-head when the said handles are drawn together. This enables my device to be used to set tacks by a slight blow, or, if preferred, by a pressure upon the front end of the tool.

The hammer shown in United States Patent

No. 55,704 is made in the form of pinchers, to one of the handles of which are attached the hammer-head (on one side) and a jaw having a notch therein, (on the other side,) while 5 to the other handle is attached a jaw to be clamped down on the said notched jaw. It will be readily seen that the construction of this device is very different from that herein described, for in this case the tack cannot 10 readily be set by impact, as the notched jaw holding the tack is at right angles to the handle. For the same reason the said device cannot be readily used to draw tacks, as there is no chance to utilize the leverage of the handles. 15 Having thus described the construction, operation, and advantages of my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

A tack hammer and puller comprising the

handle C, having the jaw formed at its outer 20 end, from the outer end of which jaw rises the hammer-head B at right angles thereto, and the handle D, pivoted to the handle C and having the notched jaw E, the lower side of which is rounded at its inner end, for the purpose set 25 forth, and the said handles C and D being approximately straight and thereby adapted to lie closely together when the jaws are closed, to enable the hammer-head to be used for driving tacks, substantially as described. 30

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JACOB SOUDERS.

Witnesses:

LEONARD RABER,
S. H. WELCH.