(No Model.)

A. B. SCHOFIELD.

TACK OR NAIL PULLER.

No. 490,402. Patented Jan. 24, 1893.

Fig. 1.

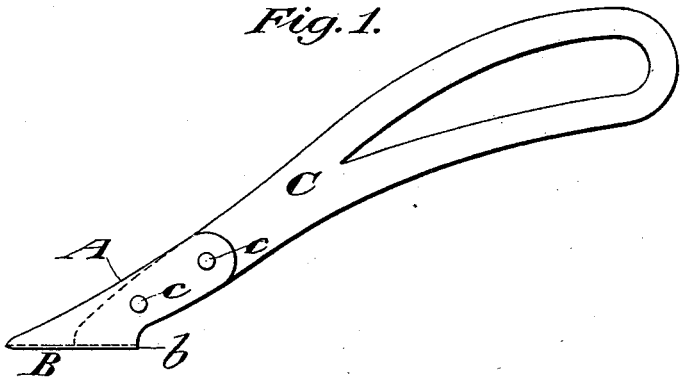


Fig. 2.

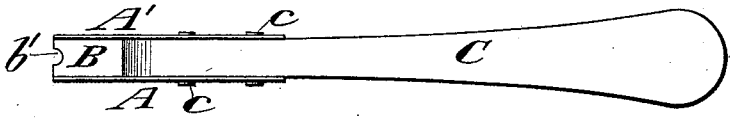
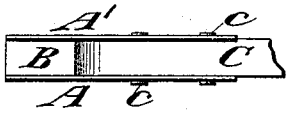


Fig. 3.



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UNITED STATES PATENT OFFICE.

ALBERT B. SCHOFIELD, OF BROOKLYN, NEW YORK.

TACK OR NAIL PULLER.

SPECIFICATION forming part of Letters Patent No. 490,402, dated January 24, 1893.

Application filed July 6, 1892. Serial No. 439,129. (No model.)

To all whom it may concern:

Be it known that I, ALBERT B. SCHOFIELD, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Tack or Nail Pullers, of which the following is a specification.

My invention relates to an improvement in tack or nail pullers with the object in view of providing a light, durable, effective and inexpensive tool for general use in connection with the removal of tacks or nails.

A practical embodiment of my invention is represented in the accompanying drawings in which,

Figure 1 represents the tool in side elevation, Fig. 2 is a top plan view, and Fig. 3 is a partial top plan view of a slightly modified form.

The blade or claw consists of a single piece of sheet metal, preferably tempered steel, having its sides A and A′ bent up into planes substantially at right angles with the base or bottom B. The sides extend obliquely away from the point or front end of the bottom B, as clearly indicated in Fig. 1, and are preferably so shaped at their rear edges as to form a pronounced angular heel *b* at the rear end of the base B. The handle is represented by C and at its lower end is received between the sides A, A′, its extreme lower end preferably extending down into contact with the base B in order to afford strength and rigidity of parts. The handle may be conveniently secured to the blade or claw by rivets *c* extending laterally through the sides A and A′ and through the handle located between the sides. The front end or edge of the base B is preferably provided with a shallow notch *b′* for the reception of the shank of the tack or nail to be pulled, but it might do its work effectively if left straight, as shown in Fig. 3.

The tool as thus constructed, may have its lifting blade made very thin and of a quality of steel which shall be sufficiently hard and tough to withstand the strain required of it while the greater mass of metal which composes the handle may be of cheap cast iron, or of any suitable inexpensive material which it may be found desirable to employ. By turning the sides of the blade up upon opposite sides of the front or working edge at right angles to its base, I secure a very great degree of stiffness which will enable me to employ metal that is very thin and at the same time the sides which stiffen the base serve as a convenient and effective means for securing the handle firmly to the blade. Furthermore, by making the blade very thin, I am enabled to employ a high quality of metal at a low cost, thus giving the tool an effectiveness and endurance which could not be obtained from a cheaper metal and at the same time keeping its cost down to a low figure.

The tool is narrow and readily finds its way down in the depression in a carpet commonly caused by a tack driven therein and, its base being very thin, may be readily inserted underneath the head of the tack to secure a good hold upon it. As soon as the lift takes place, the bearing is upon the well defined heel *b* which prevents any tendency of the tool to slip back away from the tack, an objection common to many of the pullers in common use.

The tool has the further advantage of simplicity, the most unskilled in the art readily understanding its use.

What I claim is:

1. The tack and nail puller comprising a blade of sheet metal having its sides turned upwardly upon opposite sides of its working edge into planes substantially at right angles with the base and a handle secured to the turned up sides, substantially as set forth.

2. The tack and nail puller comprising a blade of sheet metal having its sides turned up upon opposite sides of its working edge into planes substantially at right angles to the base and extending obliquely away from the point or front edge of the base, a handle secured between said sides and a pronounced angular heel at the rear of the base upon which the tool bears when in use, substantially as set forth.

3. The tack and nail puller comprising a sheet metal plate having its sides bent up upon opposite sides of its working edge in planes substantially at right angles to the base and extending obliquely back from the front edge of the base, a handle secured between the sides and bearing at its lower end upon the base and the notch in the front or working edge of the base, substantially as set forth.

ALBERT B. SCHOFIELD.

Witnesses:
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