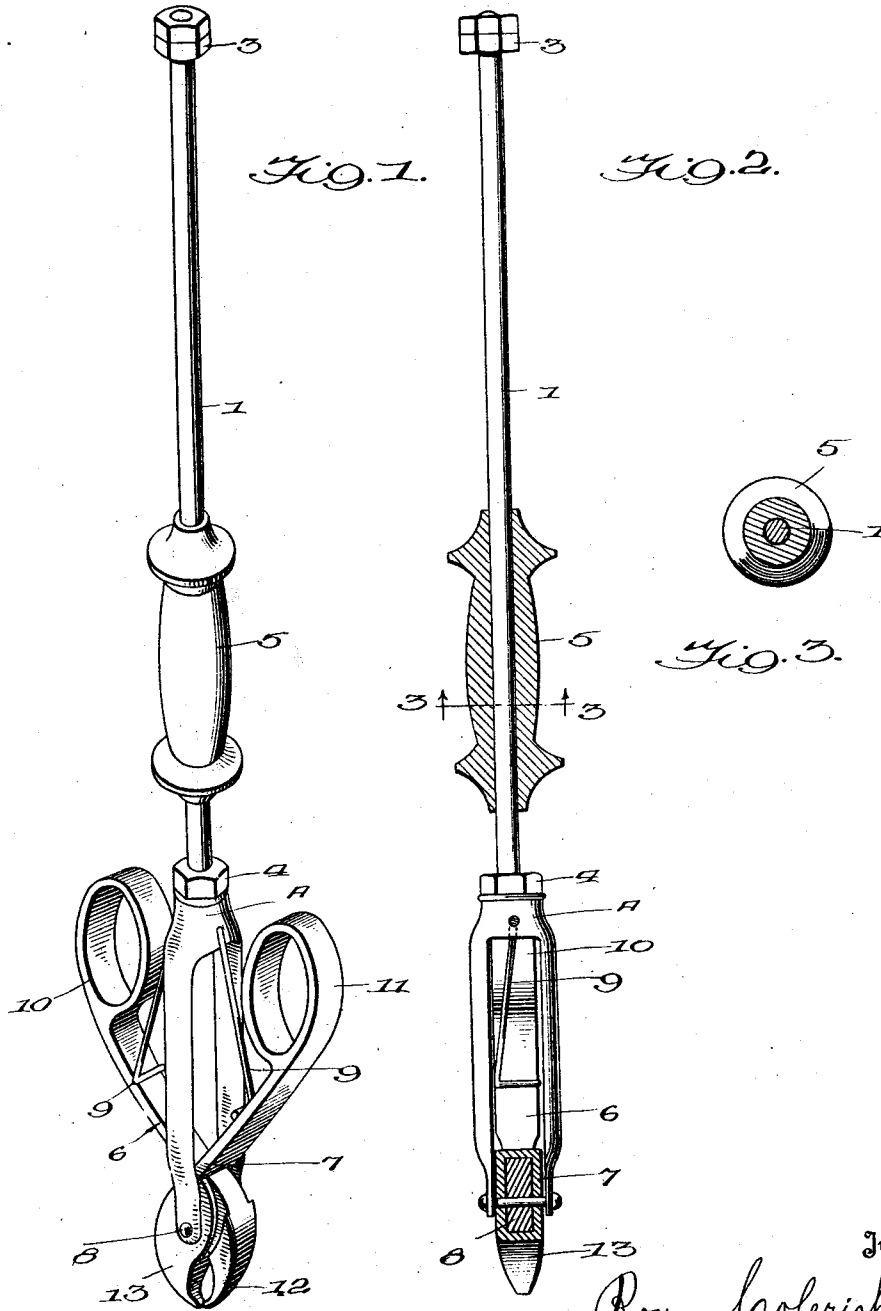


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NAIL AND STAPLE PULLER  
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# UNITED STATES PATENT OFFICE

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NAIL AND STAPLE PULLER

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My invention relates to an improvement in nail and staple pullers.

The object is to provide a simple means of reaching beneath the head of a nail, gripping it tight, and removing it in approximately the direction of the length of the nail or the spike.

The invention consists in a pair of nippers and means for driving the jaws of the nippers beneath the head of the nail or spike, and for applying hammer blows in the opposite direction as well, for the removal of the nail or spike.

In the accompanying drawings:

Fig. 1 is a view in perspective;

Figs. 2 and 3 are cross-sections, the latter being taken on line 3—3 of Fig. 2.

A, represents a fork, and 1 is a rod of suitable length connected therewith, with heads or nuts 3 and 4 thereon, against which the sliding hammer 5 operates for forcing the tool either downwardly or upwardly. Between the extreme ends of the fork, the pliers 6 and 7 are pivoted, the same bolt or rivet 8 being employed to pivot the jaws of the pliers together and also to the fork. A spring 9 holds the handles 10 and 11 normally outwardly, and the jaws 12 and 13 are closed by grasping the handles and forcing them toward each other, or together. The ends of the jaws are preferably bent inwardly to form, claws adapted to grip beneath the head of the nail or spike.

In the operation of the device, the tool is placed with the claws on either side of the head, the operator grasps the handles and forces them toward each other or together around the head, then the hammer is slid with a smart impulse downwardly against the head or nut 4 until the claws are under the head, then while the jaws and handles are still held tightly together by one hand of the operator, he slides the hammer smartly upward or outward against the head or nut 3 until the nail or spike is removed.

This saves swinging the tool laterally, and a tool of this character not only can be used in a single position while the handle or spike is removed, namely in a direction corresponding to the length of the nail or spike, but it

can be used in places and situations where other tools that rely on the use of a fulcrum would not be employed.

I claim:

1. A device of the character described including a rod, a fork connected therewith, jaws pivoted between the free ends of the fork and having handles at one end and claws at the other adapted to take under the head of a nail, and a sliding hammer of the rod for forcing the tool endwise either toward the nail or spike to be pulled or in the opposite direction.

2. A device of the character described including a rod having a fork connected with an end thereof, jaws pivoted within the fork and terminating in handles at the outer ends thereof, resilient means interposed between the fork and handles and normally tending to force the handles outwardly, and a sliding hammer slidably mounted on the rod for forcing the tool endwise.

3. A device of the character described including a handle member having a fork connected therewith, jaws pivoted within the fork and terminating in handles at the ends thereof, and resilient means interposed between the fork and handles and normally tending to force the handles outwardly.

4. A device of the character described including a handle member, jaws pivoted to said handle member and terminating in handles, and resilient means interposed between the handle member and the handles.

5. A puller of the character described including a handle member, pivoted jaws associated with said handle member, handles connected with the jaws and disposed in position to be grasped by a person using the puller, and a sliding hammer slidably mounted on the tool for forcing the tool endwise.

6. A device of the character described comprising a handle member, pivoted jaws associated with said handle member, means for causing the jaws to be held together when actuated, during the pulling operation, and a hammer slidably mounted on the handle member to be forced outwardly thereon for causing a pulling action by such outward movement.

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7. A puller of the character described comprising a handle member, jaws pivoted to said handle member, and terminating in handles disposed in position to be grasped by a person using the tool, and a hammer slidably mounted on the tool for outward movement causing a pulling action.

In testimony whereof I affix my signature:  
ROY COLERICK.

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