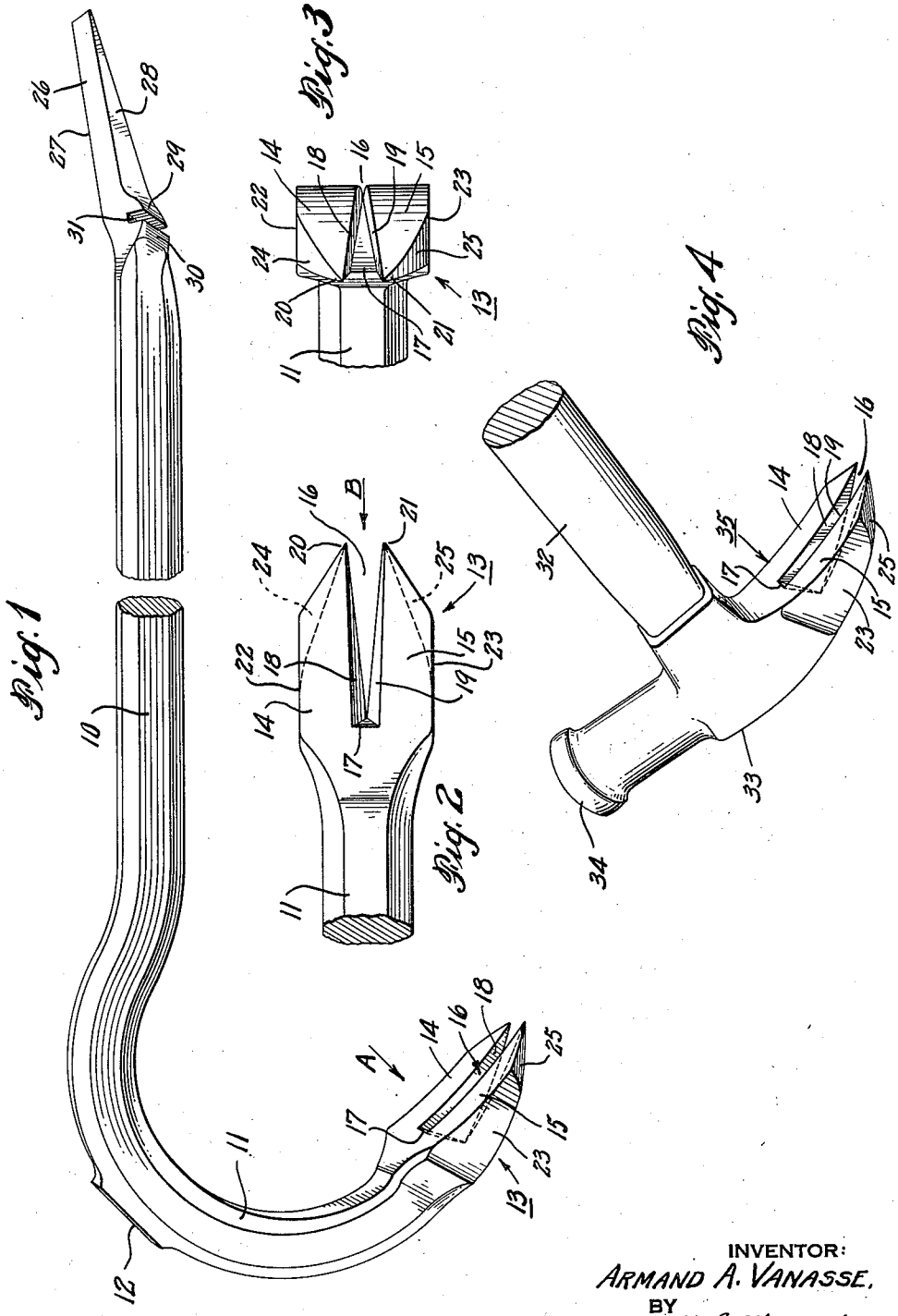
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COMBINATION TOOL

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COMBINATION TOOL

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1 Claim. (Cl. 254—25)

This invention relates to tools and more particularly to a combination nail puller and wire breaker.

One object of the invention is to produce a combination tool of the above nature in which the nail puller will be located at one end of the tool and the wire breaker at the other end thereof.

Another object is to provide a tool of the above nature in which the nail puller is located upon the end of a hooked section of the tool so as to obtain increased leverage.

A further object is to provide a nail puller of the above nature which may be employed for extracting nails, etc., from wallboards, "Celotex," boxes, crates, etc., without mutilating the material from which the nails are withdrawn, and thus permitting said material to be used over again, if desired.

A still further object is to provide a device of the above nature which will be simple in construction, inexpensive to manufacture, easy to install and manipulate, compact, ornamental in appearance, and very efficient and durable in use.

With these and other objects in view there have been illustrated on the accompanying drawing several forms in which the invention may be conveniently embodied in practice.

In the drawing:

Figure 1 represents a perspective view of the combination nail puller and wire breaker tool.

Figure 2 is a fragmentary plan view of the nail puller portion of the tool, as viewed in the direction of the arrow A of Figure 1.

Figure 3 is an end view of the nail puller portion of the tool, looking in the direction of the arrow B of Figure 2.

Figure 4 is a fragmentary perspective view of a modified form of the invention consisting of a hammer head including the improved nail puller as a part thereof.

The invention consists essentially of an elongated solid metal bar having a hook-shaped forked nail puller at one end, an intermediate handle section, and a chisel or screw driver and wire breaker on the other end. The combination tool herein described is especially designed for wrecking building constructions, opening boxes, loosening siding, and twisting or breaking fence wires.

Referring now to the drawing in which like reference numerals denote corresponding parts throughout the several views, the numeral 10 indicates the intermediate handle section of a solid metal bar preferably made polygonal in shape to prevent twisting in the hand during use.

One end of the handle section 10 is provided with a hooked portion 11 formed in the shape of a "gooseneck," and having a flat hammer anvil 12 on its convex outer surface, as clearly shown in Figure 1.

The free extremity of the hooked section 11 is provided with an enlarged forked section 13 having two nail pulling members 14 and 15, between which is located a tapered slot 16 which is adapted to embrace the nail, staple, tack, or other securing member to be removed from the wallboard or other building construction. The slot 16 is provided with a transverse beveled inner end 17 and a pair of beveled side sections 18 and 19 which taper down to the points 20 and 21 of said members 14 and 15.

The nail-pulling members 14 and 15 are provided with parallel outer edges 22 and 23, and have a pair of converging beveled surfaces 24 and 25 on their outer ends which converge to the points 20 and 21, respectively.

The upper and lower surfaces of the nail pulling members 14 and 15 are inclined with respect to each other, and also converge toward the points 20 and 21 as clearly shown in Figure 1. By means of this construction it will be seen that the points of the forked section 13 of the tool may be easily driven beneath the heads of the nails, staples, or tacks to be removed.

In the use of the nail puller portion of the tool, the pointed beveled forked section will be placed adjacent the head of a nail in a board and by means of a hammer several successive blows will be struck upon the inclined anvil 12, so as to cause the tapered beveled points of the nail-pulling members 14 and 15 to penetrate into the wood below the head of the nail. The operator will then pry up the nail out of the board by grasping the intermediate handle 10 at a point adjacent the chisel and wire breaking end of the combination tool.

Wire breaking implement

At the opposite end of the handle 10 from the nail puller, provision is made of a tapered chisel or screw driver member 26 having parallel opposite faces 27 and 28. The inner section of said chisel terminates in an upwardly extending lug 29 which is spaced from a raised lug 30 formed on the intermediate handle section 10—the lugs being so spaced as to provide an inclined wire breaking slot 31 between said lugs, which slot 31

is rectangular in cross section at all points along its length as shown in Figure 1.

In the use of the wire breaker, the wire will be inserted in the inclined slot between the upstanding lugs 29 and 30, and the tool will then be twisted around several times by means of the handle 10 until the wire is tightened the desired amount, or broken.

Modified form

Figure 4 illustrates another embodiment of the invention comprising a hammer, having a wooden handle 32 and a hammer head 33. The head 33 is provided at one end with the usual flat nail striking section 34, and at its opposite end with a forked nail-pulling section 35 which is identical in all respects with the nail-pulling section on the hooked end of the tool shown in the first form of the invention.

While there have been disclosed in this specification two forms in which the invention may be embodied, it is to be understood that these forms are shown for the purpose of illustration only, and that the invention is not to be limited to the specific disclosures but may be modified and embodied in various other forms without departing from its spirit. In short, the invention includes all the modifications and embodiments coming within the scope of the following claim.

Having thus fully described the invention, what is claimed as new and for which it is desired to secure Letters Patent is:

In a wrecking tool, an elongated handle having a hook-shaped nail puller on the end thereof, said nail puller having an enlarged head with a substantially flat upper surface and a cylindrical under surface, said head being provided with a V-shaped slot, the sides of which have flat bevels to engage under the head of a nail, the side forks of said head having inclined flat bevels on the forward outer portion thereof whereby said nail puller may be easily inserted beneath the head of a nail for removing it without danger of injuring the board in which the nail is driven.

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