

P. A. PETERSON.
COMBINATION TOOL.
APPLICATION FILED FEB. 19, 1909.

960,193.

Patented May 31, 1910.

Fig. 1.

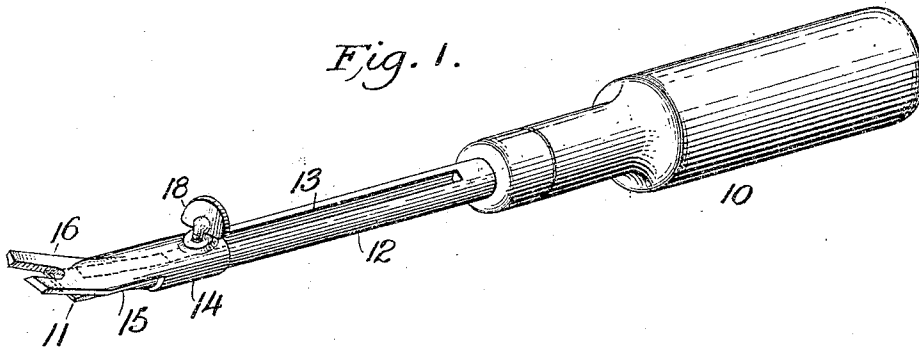


Fig. 2.

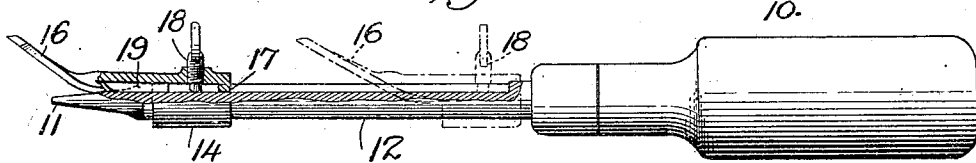


Fig. 3.

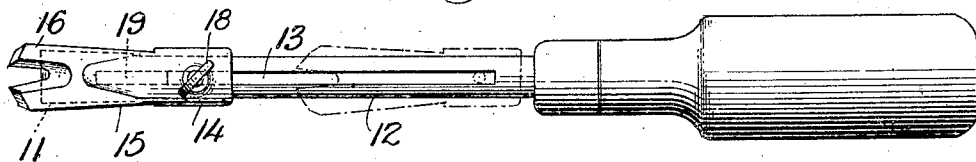


Fig. 4.

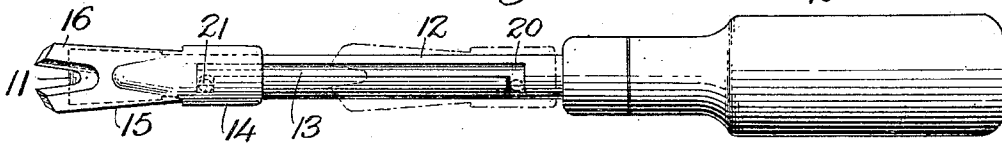
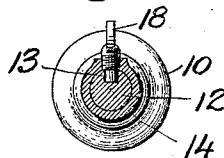


Fig. 5.



WITNESSES

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COMBINATION-TOOL.

960,193.

Specification of Letters Patent.

Patented May 31, 1910.

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To all whom it may concern:

Be it known that I, PER ADOLF PETERSON, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Combination-Tools, of which the following is a specification.

This invention relates to combination tools and its object is to provide a screw driver with a tack puller and with means whereby the tack puller may be secured to the shank of the device when it is not in use. When the tack puller is to be used it is slid to the end of the shank and secured there where the blade of the screw driver may act as a fulcrum when the tacks or nails are to be drawn. These and other details and objects of the invention are more fully described in the following specification, set forth in the claims and illustrated in the drawings where:

Figure 1 is a perspective view of the tool with the tack drawer in position for operation. Fig. 2 is a side view partly in section. Fig. 3 is a view at right angles to the above. Fig. 4 is a modified form. Fig. 5 is a cross section through the sleeve of the tack puller and its thumb screw.

The tool consists of an ordinary screw driver having a handle 10 and the usual blade 11 at the lower end of the shank 12. In one side of the shank corresponding with one of the flat sides of the blade, is cut a groove 13 and encircling the shank is a sleeve 14 with an extension 15 having at its end the usual forked tack puller 16. The upper or inner end of the sleeve has a lug 17 that fits into the groove 13 and travels in the same when the sleeve is slid along the shank, while a set screw 18 whose point plays in the groove is used to secure the sleeve at any desired point along the shank.

To strengthen the puller and render it more rigid while it is performing its work, the under side of the extension is provided with a tongue 19.

The puller when not in use is carried at the upper end of the shank 12 as shown in

dotted lines in Figs. 2 and 3 but when needed for use is carried down to the lower end of the shank where its fork overlaps the blade of the screw driver and in the act of drawing a tack the blade is used as a fulcrum.

In order to cheapen the construction of the device the set screw may be dispensed with as shown in Fig. 4 and the groove provided with lateral portions 20 and 21. In place of the screw a pin 22 plays in the groove and its lateral portions and is thrown into the latter to secure the sleeve against longitudinal movement along the shank, and the pin is located in the upper lateral groove when the puller is out of use and in the lower lateral groove when in use, the pin being of sufficient size to create enough friction to prevent its dislocation.

It is obvious that other means than the thumb screw may be used to secure a sliding sleeve to the shank of the screw driver and to locate it at any desired point along the shank, but when constructed as above described, the tack puller may be relied upon to always retain its proper position when the blade of the screw driver is used as a fulcrum.

What I claim as new and desire to secure by Letters Patent is:

1. In a tool of the class described, a shank 80 having a flattened outer end portion adapted to form a fulcrum, and a slidable sleeve mounted on the shank and provided with a bifurcated outer portion which extends outwardly at an angle from the said flattened fulcrum-forming portion of the shank. 85

2. As a new article of manufacture, a tool of the class specified embodying a shank having a flattened fulcrum-forming portion at one end, a sleeve slidable upon the shank and provided with a bifurcated extension which is disposed at an angle to the said fulcrum forming portion of the shank, and means carried by the sleeve for engaging the shank to hold the sleeve against sliding movement thereon. 90

3. A tool of the class described comprising a shank having a flattened fulcrum-forming

portion at one end, said shank having a slot
formed therein, a slidable sleeve mounted
upon the shank and provided with a lug
which is disposed between the walls of the
5 slot to prevent rotation of the said sleeve,
said sleeve having an extension extending
out of the plane of the shank and provided
with a bifurcated portion, and means car-

ried by the sleeve for engaging the shank to
hold the sleeve against movement. 10

In testimony whereof I affix my signature
in presence of two witnesses.

PER ADOLF PETERSON.

Witnesses:

JAMES F. DUHAMEL,
MAE A. CLINTON.