Jan. 26, 1937. A. L. KUHLMAN 2,069,108

TOOL ATTACHMENT

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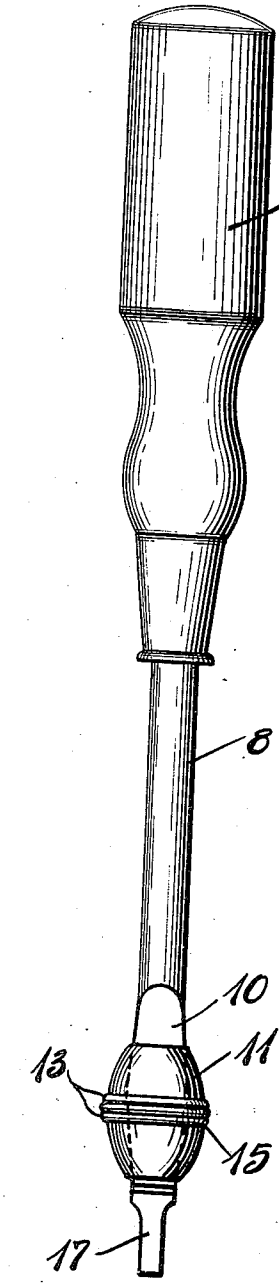

Fig. 1

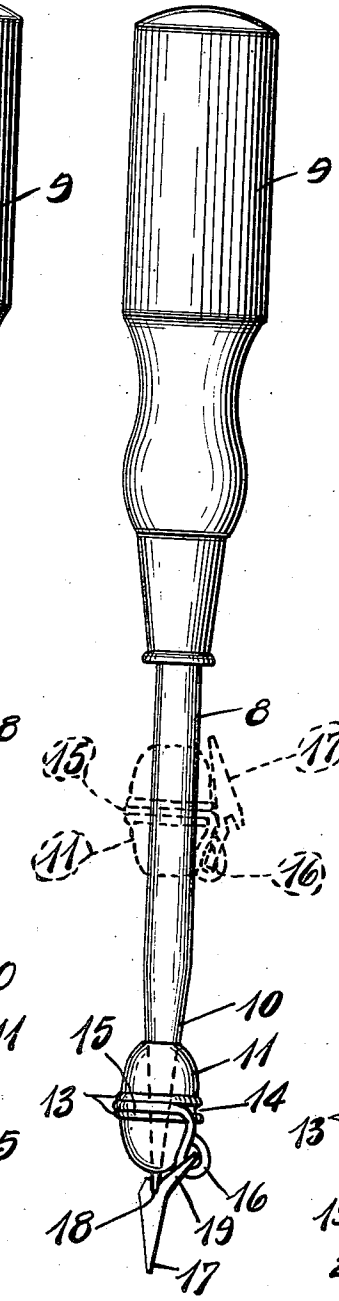

Fig. 2

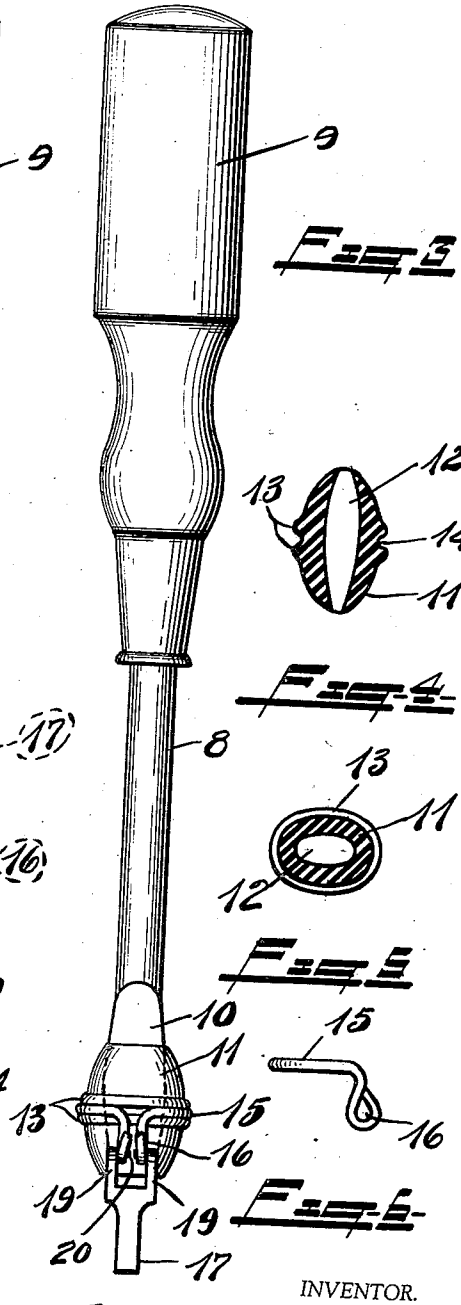

Fig. 3

Fig. 4

Fig. 5

Fig. 6

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TOOL ATTACHMENT

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4 Claims. (Cl. 7—16)

This invention relates to tool attachments and more particularly to an attachment carried on the shank of the tool and shiftable into and/or out of working position.

One of the prime objects of the invention is to provide a tool attachment, such attachments being in the form of punches, chisels, screw driver blades, and similar attachments which can be quickly and easily shifted into or out of working position, obviating the necessity of having complete and individual tools of all kinds, the blade of the tool on which the attachment is mounted serving as a support on which the various attachments are mounted.

Another object is to design an attachment which is readily attachable or detachable, and in which the attachment blade snaps into or out of working position.

A further object is to provide an attachment which can be mounted on a screw driver or similar tool, and which can be racked into or out of position, obviating the necessity of two separate individual tools, so that the workman, when working on a ladder, scaffold, or other support, requires but one hand to manipulate two tools, thus making for safety, quicker work, and easy operation.

A further object still is to design an attachment which can be readily manufactured and assembled, which has a wide range of adjustability to suit screw driver or tools of various sizes, and which is readily removable as a unit when desired.

With the above and other objects in view, the present invention consists in the combination and arrangement of parts, hereinafter more fully described, illustrated in the accompanying drawing, and particularly pointed out in the appended claims, it being understood that changes may be made in the form, size, proportion, and minor details of construction, without departing from the spirit, or sacrificing any of the advantages of the invention.

In the drawing—

Fig. 1 is a view of a conventional screw driver, showing one of my attachments mounted thereon.

Fig. 2 is an edge view, the broken lines showing the attachment in adjusted position on the shank, the tool proper being folded on the holder.

Fig. 3 is a rear view.

Fig. 4 is a detail vertical sectional view of the holder.

Fig. 5 is a transverse sectional view through the holder.

Fig. 6 is an edge view of the tool mounting.

Referring now more specifically to the drawing, the numeral 8 indicates the shank of a conventional screw driver which is provided with a handle 9 as usual, the end of the blade 10 of the screw driver being wedge shaped in the conventional manner.

A holder 11 is adjustably mounted on the blade 10 and is preferably formed of rubber, so that it frictionally engages the shank of the screw driver and remains in adjusted position, this holder being substantially egg-shaped, and a centrally disposed opening 12 is provided therethrough, the end sections only of said opening engaging the screw driver shank or blade so that the holder may be moved and adjusted without excessive friction.

Spaced apart, horizontally disposed ribs 13 are provided on the outer surface of the holder and form a groove 14 in which a tempered tool mounting or clip 15 is mounted, this clip being preferably formed of wire, the ends being turned downwardly and terminating in eyes 16 to which the tool is attached.

In the present instance I have shown this attachment in the form of a small blade 17, although it will be obvious that it can be a punch, awl, chisel, or other tool; this blade is formed as clearly shown in Figs. 1, 2, and 3 of the drawing, having a groove 18 adapted to receive and accommodate the blade of the screw driver, the upper end terminating in spaced apart legs 19, having inwardly projecting lugs 20 adapted for engagement by the eyes of the clip 15.

The clip member 15 is formed of resilient material, and the eyes are sprung towards each other so that the tool cannot become disengaged, and when the attachment is not in use, the blade 17 is swung upwardly and against the body of the holder, the shape and resiliency of the clip 15 holding it in this position; and when it is desired to use the attachment, the holder 11 is forced downwardly to position as shown in solid lines in Fig. 2. The attachment 17 is then swung downwardly by racking it over a piece of wood or any suitable projection, the blade 10 is then seated in the groove 18 which is located intermediate the length of the holder 11, and the attachment can then be manipulated in exactly the same manner as if it had the usual body and handle. It is out of the way

when not in use, and requires but an instant to adjust.

The attachment idea is particularly advantageous from the standpoint of cost, the workman need not carry a number of the conventional bulky tools, the adjustments are readily made and with one hand, leaving the other hand free for holding on, placing screws, or any other purpose.

From the foregoing description it will be obvious that I have perfected a very simple, practical, and inexpensive attachment for screw drivers and the like.

What I claim is:

1. An attachment of the class described, and comprising a holder formed of resilient material having a centrally disposed passage therein, a resilient clip mounted on said holder and formed with eyes in the ends thereof, and an attachment hingedly connected to said eyes and adjustable to foldable or extendable position.

2. In an attachment of the character described, the combination of a tool, a resilient holder adjustably mounted on said tool, an attachment hingedly mounted on the holder, and means formed on said attachment intermediate the length thereof for engagement with the blade of the tool to form an extension thereof.

3. In an attachment of the character described, the combination of a tool, a resilient holder adjustably mounted on the tool, a clip mounted on said holder, an attachment hingedly connected to the clip and adjustable to folded or extended position, and a groove in said attachment for engagement by the blade of the tool.

4. In an attachment of the character described, the combination of a tool, a holder vertically adjustable on the tool, an attachment hingedly mounted on the holder and adjustable to folded or extended position, and a blade groove provided in said attachment for engagement with the end of the blade of the tool when said attachment is in its extended position.

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