No. 894,155. PATENTED JULY 21, 1908.

C. W. LAYTON.

TOOL HANDLE.

APPLICATION FILED MAY 4, 1907.

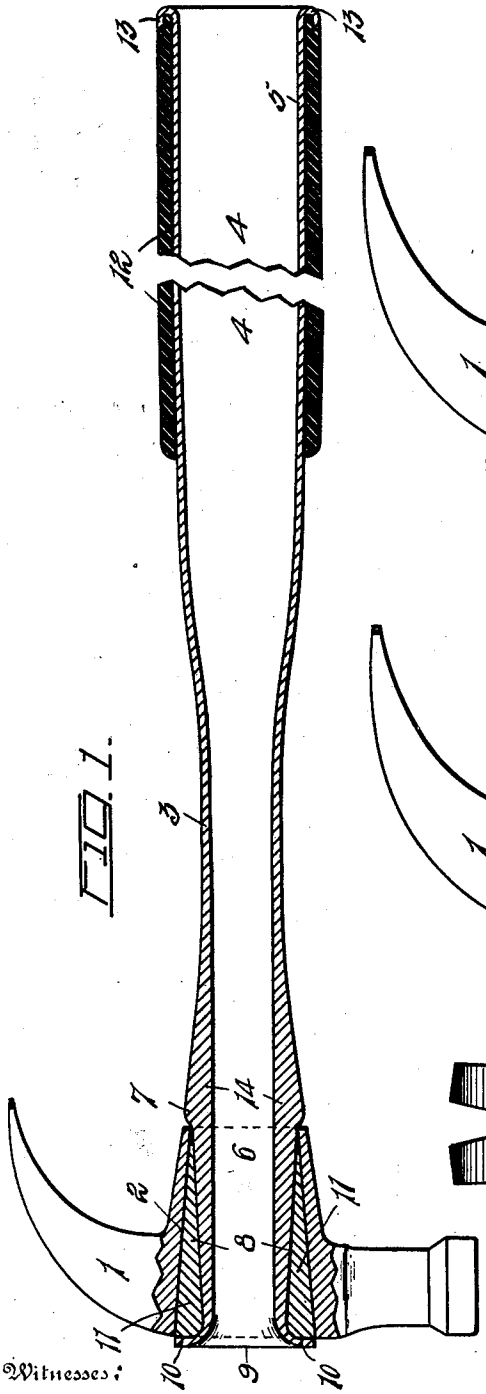


FIG. 1.

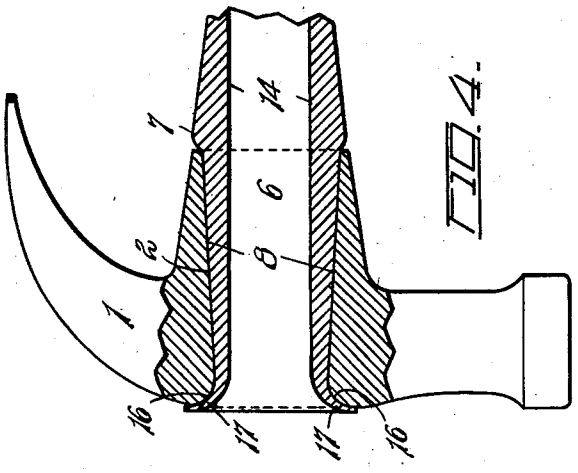


FIG. 4.

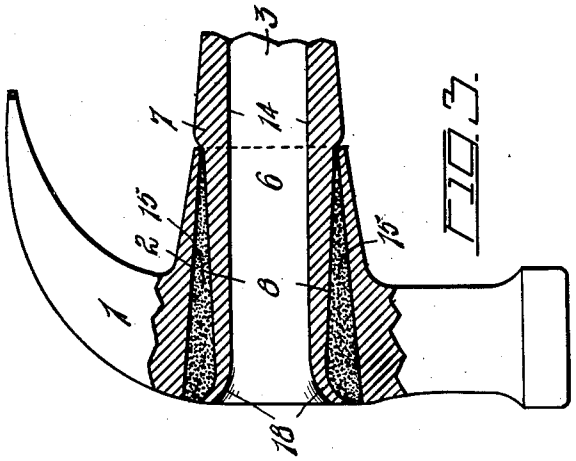


FIG. 3.

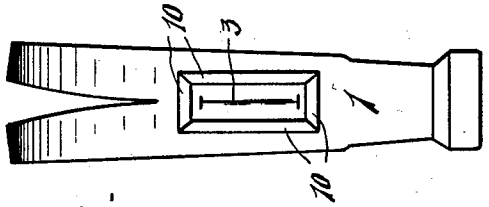


FIG. 2.

Witnesses:

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UNITED STATES PATENT OFFICE.

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TOOL-HANDLE.

No. 894,155. Specification of Letters Patent. Patented July 21, 1908.

Application filed May 4, 1907. Serial No. 371,889.

To all whom it may concern:

Be it known that I, CARY W. LAYTON, a citizen of the United States, residing at Merna, in the county of Custer and State of Nebraska, have invented a certain new and useful Improvement in Tool-Handles, of which the following is a specification.

This invention relates to improvements in handles for tools and more particularly to hammers and similar tools and the manner of securing same thereto.

Referring to the accompanying drawings wherein like characters of reference denote similar parts throughout the several views: Figure 1, is a longitudinal sectional view of my improved handle applied to an ordinary hammer head. Fig. 2, represents an end view thereof. Fig. 3, is a longitudinal sectional view with a portion of the handle and head broken away showing same secured to a hammer head by means of an integral wedge. Fig. 4, is a longitudinal sectional view with a portion of the handle and head broken away the opening in the head showing larger at its inner end than at its outer end.

Referring to the drawings 1, designates an ordinary hammer head having the opening or eye 2, which is larger at its outer end than at its inner end.

3, designates a tubular metallic handle which is of a tapering or the usual form it being larger at its gripping end 4, and the metal being thinner and lighter as at 5, than at its opposite or smaller end 6. The smaller end 6, of the handle 3, it will be observed is provided with a bead 7, a short distance from its end to prevent the inner head from gradually working its way on up the handle 3. The handle 1, tapers as at 8, from the bead 7, to its end extremity 9, which is bent or turned as at 10, to engage the ends of the wedges 11, thus securely and firmly holding the inner head 1, in position upon the end of the handle. The largest and lightest end 4, of the handle is encircled or provided with the resilient sleeve 12, which is held from slipping or working off the handle by means of the curved or turned end 13, of the handle 3, which engages the resilient sleeve 12, at its outer end as clearly shown in Fig. 1, of the drawing.

As previously described the smallest end 6, of the handle 3, is somewhat heavier than the gripping end 4, owing to the fact that the tubular handle is thicker as at 14, thus strengthening this end of the handle which is necessary to insure the same from bending or breaking at its junction with the tool when in actual use.

In Fig. 3, of the drawings I illustrate the manner of securing the head to the handle 3, by means of the integral wedge 15, which is formed of solder or the like and formed into the wedge shaped space which exists between the outer surface of the handle and the inner surface of the opening or eye 2, when hot, which when cold forms an integral wedge which is unable to work out thus insuring the head from coming off, as the end extremity of the handle is curved as at 18, to firmly hold wedge in position.

In Fig. 4, of the drawings I illustrate the manner in which the handle 3, is secured to the head 1, when same is provided with an opening or eye 2, which is larger at its inner end than at its outer end. Heads formed with this form of openings or eyes are rounded as at 16, so as to allow the end extremity of the smaller end of the handle 3, to be curved as at 17, to securely hold the hammer head in place upon the end of the handle.

Having fully described my invention, what I claim is:

1. In a handle for tools comprising a tapering tubular metallic body having an overlapping end, a gripping fabric covering a portion of said metallic body and held from slipping off the end thereof by means of the aforesaid overlapping ends.

2. In a handle for tools comprising a tubular metallic body, the smaller end thereof having its faces inclined outwardly and terminating in a bead, the larger or gripping end of said metallic body provided with a fabric covering the outer end of which is engaged by means of the overlapping edge of the metallic body to prevent same from slipping off the end thereof.

3. The combination with a hammer head

of a tapering tubular metallic handle having the gripping end thereof provided with a fabric covering, the outer edge thereof being engaged by means of the overlapping end of the handle for firmly holding the fabric covering from slipping off the end thereof.

In testimony whereof I have signed my name to the specification in the presence of two subscribing witnesses.

CARY W. LAYTON.

Witnesses:
ROBERT R. DUNCAN,
ANDREW SOMMER.