J. L. SOMMER.

PERCUSSION TOOL.

APPLICATION FILED JUNE 18, 1913.

1,182,593.

Patented May 9, 1916.

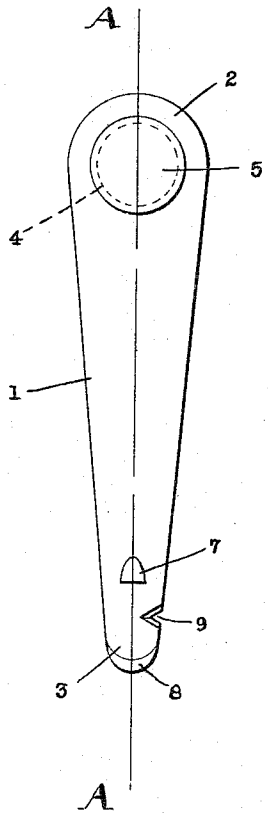


Fig. 1.

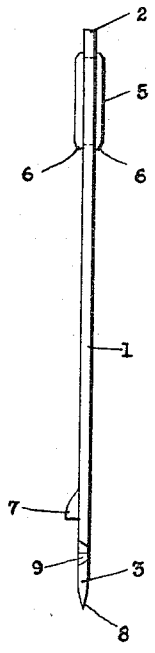


Fig. 2

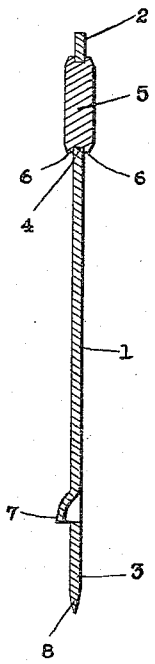


Fig. 3.

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PERCUSSION-TOOL.

1,182,593. Specification of Letters Patent. Patented May 9, 1916.

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To all whom it may concern:

Be it known that I, JOHN L. SOMMER, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain Improvements in Percussion-Tools, of which the following is a specification.

This invention relates more particularly to a percussion tool for light work such as opening and closing cigar boxes in a cigar store, although it will be obvious that the tool may be used for other purposes and the reference throughout the following description to its use upon cigar boxes is for the purposes of illustration and is not intended to restrict the spirit of the invention or the scope of the appended claim.

The objects of the invention are to secure a light effective percussion tool which will occupy but little space and can be readily and conveniently carried in the pocket; to secure a smooth exterior, without corners or projections such as wear and tear a pocket; to provide such a tool which can be inexpensively made and will lend itself readily to related uses, and to obtain other advantages and results as may be brought out in the following description.

Referring to the accompanying drawings, in which like numerals of reference indicate the same parts throughout the several figures, Figure 1 is a side view of a tool embodying my invention; Fig. 2 is a view looking at the right-hand edge of Fig. 1, and Fig. 3 is a longitudinal section taken on line A—A of Fig. 1.

In the specific embodiment of the invention illustrated in said drawings, the reference numeral 1 indicates the body portion, preferably composed of sheet metal and comparatively narrow with its longitudinal edges preferably converging whereby one end 2 is wider than the other end 3. Furthermore, these ends are preferably rounded or curved as shown, avoiding sharp corners and making the periphery of the body portion smoothly continuous for one's hand or pocket. At the larger end 3 of the body portion the same is apertured, as at 4, and in this aperture is inserted a head or peen 5 filling the aperture and having its ends upset or riveted over upon the adjacent margin of the body portion, as at 6, 6. A solid head is thus provided of sufficient weight for many purposes, such as hammering cigar box nails, and yet said head does not project so as to be in the way of putting the tool in one's pocket or so as to wear the pocket unduly. By grasping the tool by the small tapered end 3 of its body portion, it can be wielded very effectually.

It will be understood that the sheet metal body portion is preferably quite light and flexible with respect to the head 5 and that this flexibility is increased by the taper of said body portion toward the grasping end 3. By this construction, when the said end 3 is grasped between the thumb and finger, a very sharp blow can be struck with the head or peen 5. The tool thus becomes very effective for light work, such as on cigar boxes and the like, and at the same time can be conveniently carried in the pocket, requiring but little space.

A better hold upon the handle 3 is afforded if it is roughened or provided with a projection, and so I have shown one formed thereon as at 7. Preferably, the small end 3 of the body portion of the tool is sharpened or tapered at its end edge 8 to facilitate its insertion in prying off cigar-box covers, and so I have shown the projection 7 as a stop for limiting such insertion of the end 3, and formed by completely severing the sheet metal on a transverse line and displacing it at the middle of said line clear out of the plane of the body portion, the displaced portion tapering in all other directions to the plane of the body portion. The shoulder thus formed faces the handle end 3 of the tool and is far enough away therefrom to come under the thumb of a person using the tool.

Preferably, a nick or V-shaped notch is cut in the side edge of the body portion, at the handle end of the tool, as shown, to form a tack or nail puller.

The head 5 obviously provides a better hand hold when the tool is grasped by its wider end to be used for prying or pulling nails or tacks, and thus a very convenient device is provided which can be used for a plurality of purposes and is conveniently flat to carry in the pocket.

Having thus described the invention, what I claim is,

The hereindescribed percussion tool comprising a substantially flat resilient sheet metal handle portion tapered in width from one end to the other with reference to a

medium axis of symmetry and having its larger end rounded and perforated concentric with such rounding, and a solid metal head of a thickness less than its diameter but materially greater than the thickness of the handle portion fitting for its middle portion the said aperture and upset or expanded for its opposite end portions to overlie the opposite sides of the handle portion around said aperture, whereby the handle coöperates to secure greater weight and momentum of blow to the head and increasing resiliency toward the grasping end of the handle.

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Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."