

L. C. SOMMER, Sr.  
TOOL HANDLE.  
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1,205,280.

Patented Nov. 21, 1916.

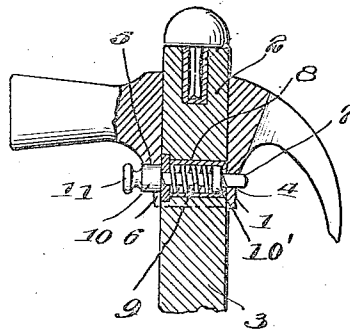
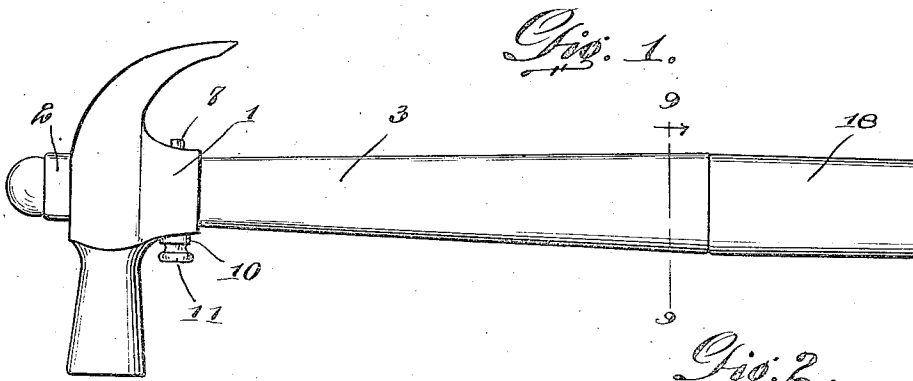
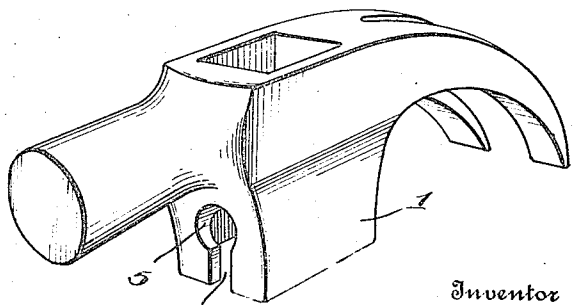


Fig. 3.



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Witnesses

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# UNITED STATES PATENT OFFICE.

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## TOOL-HANDLE.

1,205,280.

Specification of Letters Patent.

Patented Nov. 21, 1916.

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*To all whom it may concern:*

Be it known that I, LOUIS C. SOMMER, Sr., a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented new and useful Improvements in Tool-Handles, of which the following is a specification.

The present invention relates to improvements in tools, especially to handles therefor, an object of the invention being to provide a handle having means whereby one of any number of head members may be removably and securely connected thereto.

With the above and other objects in view, the improvement resides in the construction, combination and arrangement of parts, set forth in the following specification and falling within the scope of the appended claim.

In the drawings: Figure 1 is a view of a tool constructed in accordance with the present invention, Fig. 2 is a sectional view illustrating the manner in which the fulcrum member as well as a hammer head may be removably connected with the handle and, Fig. 3 is a perspective view of one of the removable heads.

In carrying out my invention I propose to provide a handle with means whereby any number of various sized and kinds of hammers, hatchet heads or the like, may be removably secured thereon, and while in the drawings the said removable members are in the nature of hammer heads, it is to be understood that other devices may be employed with equal efficiency if desired. Each of the devices, however, includes a depending or socket portion 1 which has its bore opening through the head of the tool, and the said bore is of a size sufficient to receive one end 2 of a handle 3 constructed in accordance with my invention. The socket 1 is provided upon one of its sides with a round opening 4 and upon its other side with a corresponding opening 5, the last mentioned opening being of a greater area than the opening 4, and the socket is provided with a slot 6 entering from its end and which communicates with the opening 5. The slot 6 and the opening 5 thus provide a substantially key hole slot.

The handle 3 is provided adjacent its end which enters the socket of the tool, with a transverse opening within which is received a sleeve 8 that has its closed ends provided with alining openings. Passing through the openings in this sleeve is a locking bolt 7

which has one of its ends enlarged and rounded, as at 10, and provided with a finger hold or head 11 extending from the said enlarged portion 10. The portion of the bolt within the sleeve and adjacent to the free end of the said bolt is provided with an offset stop member 10', and surrounding the locking bolt and exerting a pressure between the stop member 10' and one of the end walls of the sleeve is a helical spring 9. The bolt is of a size to be snugly received through the slot 6 of the key hole opening and through the opening 4 in the socket member 1 arranged diametrically opposite the enlarged rounded opening 5 of the key hole slot, so it will be noted that when the locking pin is retracted or drawn outwardly of the sleeve against the action of the spring 9, the bolt proper may pass through the slot 6 until the enlarged rounded portion 10 of the said bolt is brought to alinement with the rounded opening 5 of the key hole slot when the pin is released, permitting the rounded portion 10 thereof to engage with the wall of the opening 5 of the key hole slot and the end of the bolt proper to enter the opening 4, thus locking the tool 1 upon the handle.

Having thus described the invention, what I claim is:

The herein described means of connecting a handle to a tool, including in combination, a tool having a socket provided upon one end with an opening and upon its diametrically opposite end with a key hole slot, the rounded opening of the slot being of a greater diameter than the first referred to opening and being in alinement with the said opening, a handle having one of its ends disposed to enter the socket of the tool, said handle having a transverse opening, a sleeve having closed ends at the opening and the said closed ends provided with alining openings, a bolt member passing through the opening in the sleeve, a stop member upon the portion of the bolt within the sleeve, a spring surrounding the bolt and exerting a pressure between the stop member and one of the ends of the sleeve, said bolt having one of its ends provided with an enlarged rounded portion arranged exterior of the sleeve and being formed with a head projecting from the said rounded portion and the bolt proper being of a size to enter the opening and the longitudinal portion of the key hole slot in the tool when the

bolt is partly retracted from the sleeve and the enlarged portion of the bolt being of a size to engage with the wall of the rounded portion of the key hole slot when the bolt is retracted to permit of the end of the same passing through the referred to restricted opening in the socket of the tool.

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

LOUIS C. SOMMER, SR.

Witnesses:

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