M. J. HASKINS.

TOOL HANDLE.

APPLICATION FILED FEB. 18, 1911.

1,037,759.

Patented Sept. 3, 1912.

Fig. 1

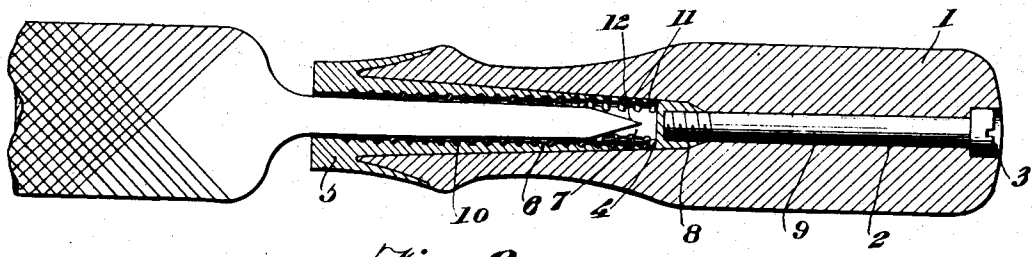


Fig 2

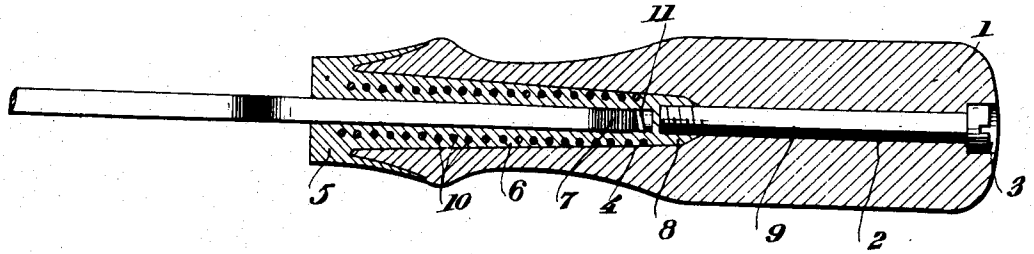


Fig 3

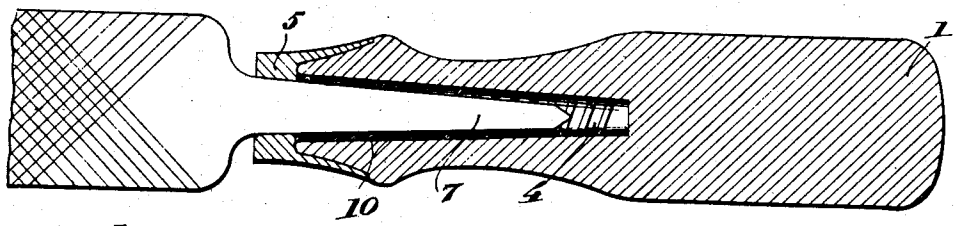


Fig 4

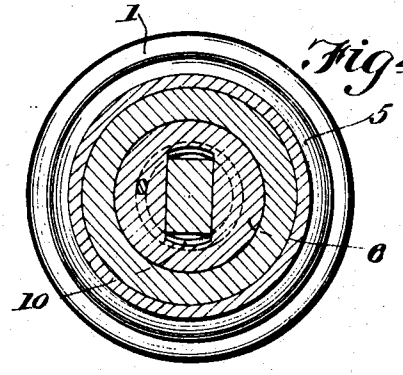
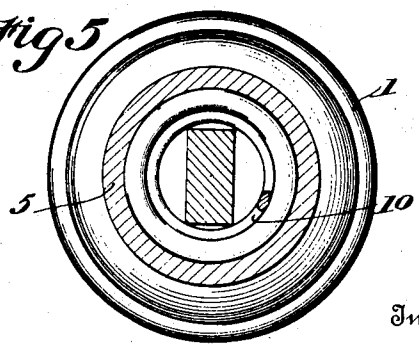


Fig 5



Witnesses

A.W. Gardes

E. E. Evans Jr.

Inventor

Milo J. Haskins

By Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

MILO J. HASKINS, OF SPRINGFIELD, MASSACHUSETTS.

TOOL-HANDLE.

1,037,759. Specification of Letters Patent. Patented Sept. 3, 1912.

Application filed February 18, 1911. Serial No. 609,323.

To all whom it may concern:

Be it known that I, MILO J. HASKINS, a citizen of the United States, residing at Springfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Tool-Handles, of which the following is a specification.

This invention relates to tool handles and more particularly to devices of this character which are adapted to receive and hold files and other tapered shank tools.

One of the objects of the invention is to provide the tool handle with a ferrule having a tool socket secured thereto and extending into the handle and having a reinforcing and gripping coil tapering to conform to the shank of the tool to be held.

A further object of the invention is the provision of a tool handle having a ferrule secured thereon and an inwardly projecting coil tapering to fit the shank of the tool to be secured in the handle and having a screw receiving cap by which the coil and ferrule are held on the handle when engaged by an attaching screw passing through the handle.

Further objects of the invention will appear as the following specific description is read in connection with the accompanying drawing, which forms a part of this application, and in which:—

Figure 1 is a longitudinal section through a handle. Fig. 2 is a similar view taken at right angles thereto. Fig. 3 is a longitudinal section through a handle showing a modified form of socket. Fig. 4 is a transverse section on the line 4—4 of Fig. 1. Fig. 5 is an end view of the structure shown in Fig. 3 with the end of the ferrule removed.

Referring more particularly to the drawing, 1 represents a handle preferably of wood turned in the form shown and having a central longitudinal aperture 2 which registers with a countersink 3 at one end and gradually increases in size toward the opposite end to form a socket receiving recess 4. The outer end of the handle is reduced, and secured upon the reduced portion is a ferrule 5 which is integrally formed with a socket 6 which extends into the recess 4 and is provided with a central tapered tool receiving channel 7. The inner end of the socket 6 is provided with a threaded aperture 8 adapted to receive a headed screw 9 which extends through the bore 2 and has its head seated in the countersink 3. The casting has embedded therein, throughout its length, a spiral coil 10 of wire which is exposed on one side and adapted to be engaged by the edge of the tool shank, as shown at 11, and is covered or completely embedded by the metal, as shown at 12, so as to form a wall for the engagement of the flat side of the shank.

In the modification shown in Figs. 4 and 5, the ferrule is secured to the end of the handle by compression or in any other suitable manner and the socket is formed by a tapering spiral spring secured to the ferrule and projecting into the tapered channel formed in the handle member. In this structure the ferrule is brazed, sweated or otherwise secured to the coil socket and may or may not carry a screw cap on the end for receiving the through screw, as in Fig. 1.

From the foregoing, it will be clearly understood how the device is constructed and operated without additional description, but it may here be stated that other modifications of the invention are contemplated and are considered to fall within the scope of the appended claim.

Having thus described the invention, what I claim as new is:—

A tool handle comprising a body centrally channeled, a ferrule secured upon one end of said body, a socket integrally formed with said ferrule and extending into the body channel, said socket member provided with a tapered tool receiving socket, a spiral member positioned within said socket member and extending longitudinally therewith,

opposite side portions of said spiral member being embedded in the side walls of the tool socket and the remaining portions being free within the socket so as to resiliently engage the shank of a tool inserted within the socket and securely retain the same therein, and means carried by the channel of said body for removably securing the ferrule and the integrally formed socket member in position.

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

MILO J. HASKINS.

Witnesses:
HORACE A. PHELPS,
BERNARD W. RAMEY.