Mar. 13, 1923. 1,448,488

D. E. LILLEY ET AL

PICK OR TOOL HANDLE

Filed May 19, 1922

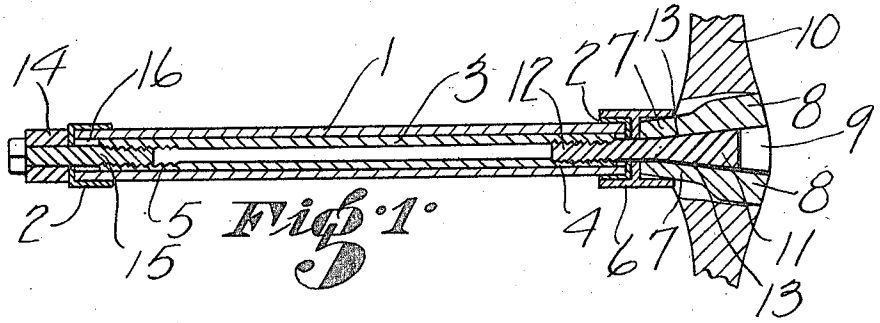


Fig. 1.

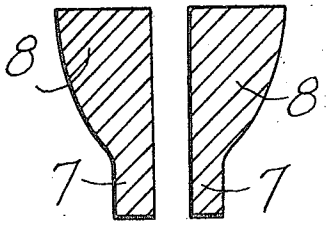


Fig. 2.

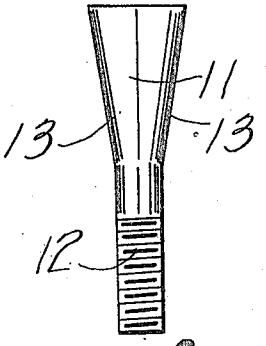


Fig. 3.

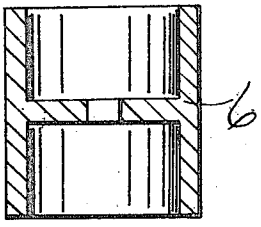


Fig. 5.

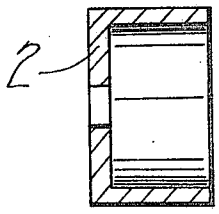


Fig. 7.

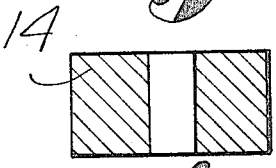


Fig. 8.

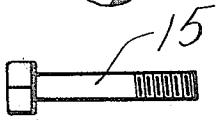


Fig. 9.

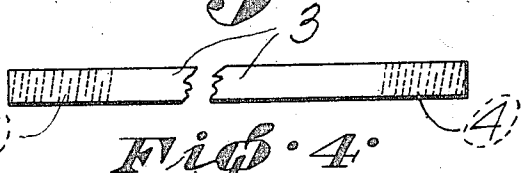


Fig. 4.

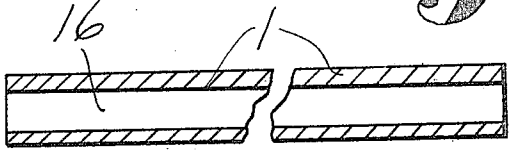


Fig. 6.

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UNITED STATES PATENT OFFICE.

DENNIS E. LILLEY AND GEORGE W. CAUFFIELD, OF BOLIVAR, PENNSYLVANIA.

PICK OR TOOL HANDLE.

Application filed May 19, 1922. Serial No. 562,153.

To all whom it may concern:

Be it known that we, DENNIS E. LILLEY and GEORGE W. CAUFFIELD, both citizens of the United States, and residing in the city of Bolivar, State of Pennsylvania, have invented new and useful Improvements in Pick or Tool Handles, of which the following is a specification, reference being had to the accompanying drawings.

This invention is a pick or tool handle, and the chief object is to provide a simple and efficient form of handle, which may be readily adjusted to the pick head, or removed therefrom, as desired. Another object is to provide a handle which will stand up under the stress of use, and at the same time will have a certain resiliency in the hands of the workman, rendering it less fatiguing in use.

In the drawings:

Figure 1 is a longitudinal section through a pick equipped with this improved handle.

Figure 2 is a detail of the two-piece head socket.

Figure 3 is a detail of the head wedge.

Figure 4 is a detail of the threaded handle pipe.

Figure 5 is a detail of the collar fitting over the tapered ends of the head socket.

Figure 6 is a detail of the hollow wooden handle fitting over the handle pipe shown in Figure 4.

Figure 7 is a detail of one of the ferrules encircling each end of the hollow handle to prevent splitting.

Figure 8 is a detail of the end collar for the free end of the handle.

Figure 9 is a detail of the threaded bolt for screwing down into the threaded end of the handle pipe at the free end of the handle.

The invention includes a wooden handle 1, having a longitudinal bore 16, and ferrules 2 at its ends, and adapted to freely receive the handle pipe 3, which is interiorly threaded at each of its ends 4 and 5. The pipe 3 is somewhat shorter than the handle 1. A collar 6 fits snugly over the end of the pipe 3 and engages the tapered ends 7 of a two-piece head socket 8, the latter being shaped and adapted to be inserted into and engage the eye 9 of the pick 10, or other similar tool. A head wedge 11, threaded at 12 is adapted to extend through the head socket 8 and engage the threaded end 4 of the pipe 3. As the wedge is turned down the tapered shoulders 13 expand the two-piece socket 8, thereby locking the handle to the tool. The end collar 14 is then placed over the free end of the handle, and the bolt 15 is passed down therethrough, into the threaded end 5 of the pipe 3. By turning this bolt down tightly, the handle elements are all locked snugly to the tool head.

While we have herein described a certain specific method of constructing and assembling the elements of our invention, it is understood same may be varied in minor details, not departing from the spirit of our invention as defined in the appended claim.

We claim:

In combination with a tool head having an eye, a removable handle therefor; comprising a wooden handle having a longitudinal bore therethrough; a handle pipe threaded interiorly in each end and adapted to pass within the bore of the wooden handle; a two-piece, tapered head socket adapted to engage the eye of the tool; a collar to fit over an end of the handle pipe and receive the tapered ends of the head socket; a threaded wedge to pass through the head socket and threadedly engage that end of the pipe; a collar for the free end of the handle; and a threaded bolt to pass through the last mentioned collar and threadedly engage that end of the pipe.

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GEORGE W. CAUFFIELD.

Witnesses:
RUSSELL ST. CLAIR,
ALBERT MURPHY.