

H. S. SHEPARDSON.

Gimlet-Handles.

No. 141,671.

Patented August 12, 1873.

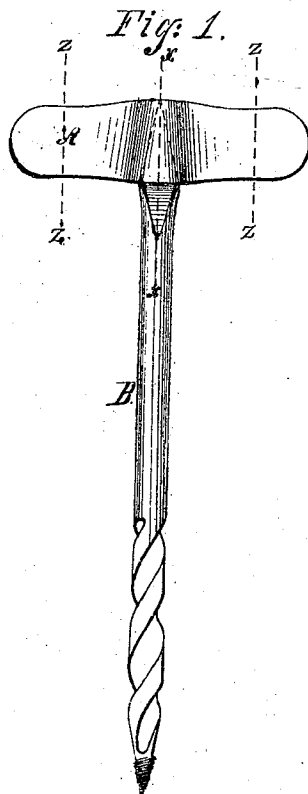


Fig: 3.



Fig: 4.



Fig: 2.



Witnesses

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UNITED STATES PATENT OFFICE

HENRY S. SHEPARDSON, OF SHELBURNE, MASSACHUSETTS.

IMPROVEMENT IN GIMLET-HANDLES.

Specification forming part of Letters Patent No. **141,671**, dated August 12, 1873; application filed May 22, 1873.

To all whom it may concern:

Be it known that I, HENRY S. SHEPARDSON, of Shelburne, in the county of Franklin and Commonwealth of Massachusetts, have invented certain Improvements in Gimlet-Handles, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a view of my gimlet-handle with a gimlet held thereby. Fig. 2 is an edge view of the same. Fig. 3 shows a section taken through the lines *z z* of Fig. 1. Fig. 4 shows a section with a portion of the gimlet held thereby taken through the line *x x* of Fig. 1.

In the different drawings, A is the handle, and B the gimlet. In my improved handle in place of the common round metallic handle I have adopted the flattened form shown in the drawings, wherein I claim the following advantages: First, my handle affords, in proportion to the amount of metal used therein, a much greater surface to the hand for turning, whereby the same effect is produced with a great saving of stock, and the tool is thereby lightened and also materially cheapened; second, on account of the flatness of my handle, whereby it takes up much less room in direction of thickness perpendicular to the axis of the gimlet, tools having the same may be much more readily and compactly packed in boxes for transportation and storage, and may be carried in the pocket for use with less inconvenience and annoyance; third, the form of my handle is so much more naturally adapted to the hand, and affords so much greater surface to the touch than is practicable to be obtained with the old form that the gimlet having the same may be used much longer without wearying or injuring the hand than the one having the common handle.

The methods of forming and attaching this handle to the gimlet which I prefer are as follows: A mold, composed of two parts, is provided with a depression in each of its parts of the exact form of one-half the handle. It also has an opening of the size and shape of the gimlet-shank, placed at right angles to the larger depression. The flattened end of a gimlet-shank having been placed in the mold, molten metal is poured through a suitable orifice until the mold is filled. After cooling, the mold is opened and the article removed, the handle being complete, with the gimlet firmly embedded therein. Or, instead of inserting the gimlet-shank in the mold, a core may be inserted in place thereof, having the shape thereof, and a casting made of the handle, as aforesaid, having a hole exactly fitting the shank of the gimlet reaching through the handle, when the gimlet-shank is placed in the hole, and the end projecting through or into the hole, as aforesaid, is upset or swaged, thereby firmly embedding and fastening the shank therein.

I have adopted the form shown in the drawings, though flattening from the round form into any shape will mainly accomplish the purpose, the object being the reduction of diameter or thickness in direction perpendicular to the axis of the gimlet.

What I claim as my invention, and for which I pray Letters Patent, is—

A flattened metallic gimlet-handle, A, constructed substantially as shown and described.

HENRY S. SHEPARDSON.

Executed in presence of—

HENRY WINN,
F. R. PRATT.