

L. Hart,

Screw Driver.

No. 100,757.

Patented Mar. 15, 1870.

Fig. 1.

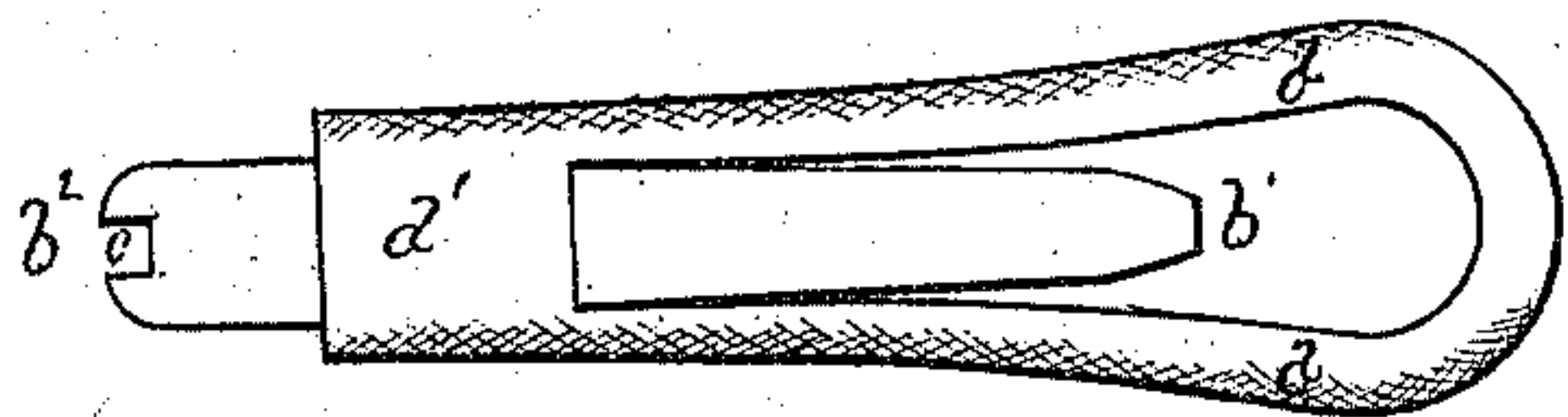


Fig. 2.

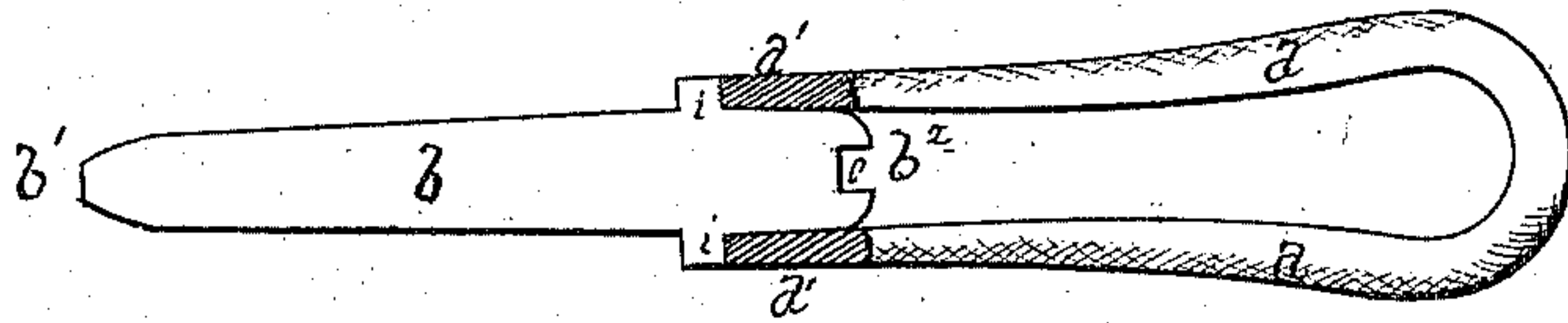


Fig. 3.

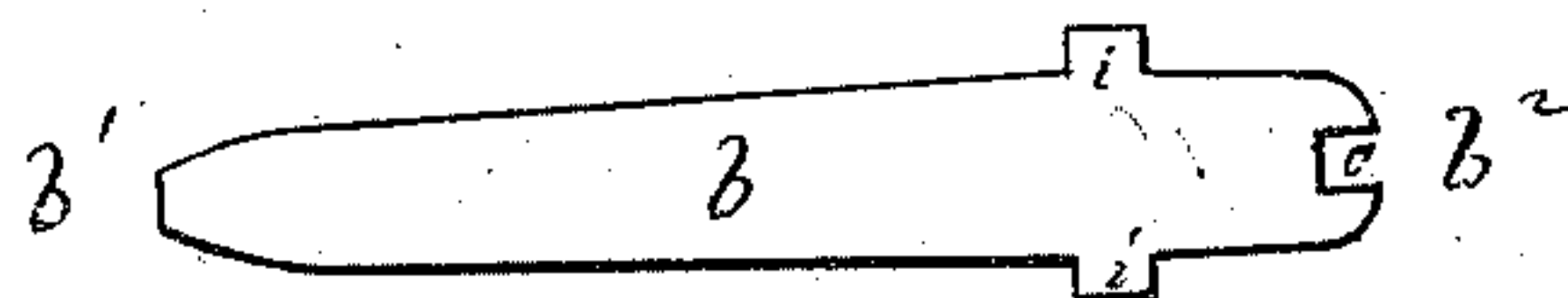


Fig. 5.

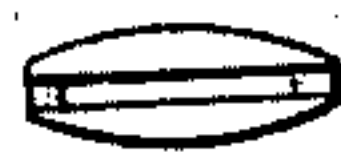
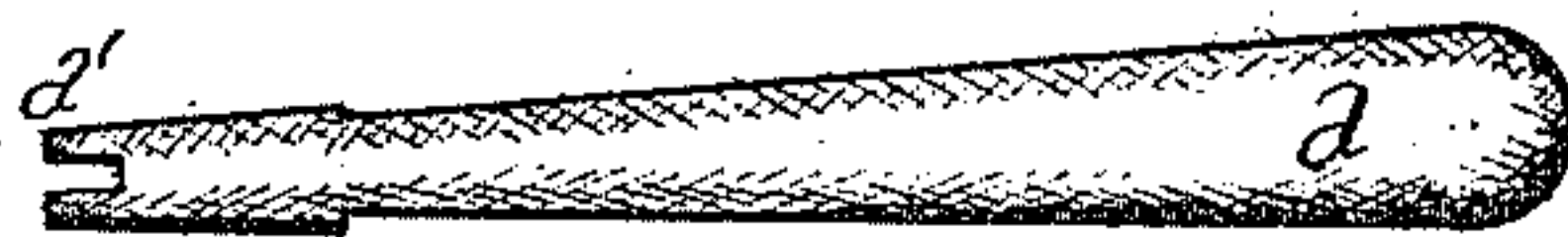


Fig. 4.



Witnesses.

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United States Patent Office.

LEWIS HART, OF UNIONVILLE, CONNECTICUT.

Letters Patent No. 100,757, dated March 15, 1870.

IMPROVEMENT IN SCREW-DRIVER.

The Schedule referred to in these Letters Patent and making part of the same.

I, LEWIS HART, of Unionville, in the county of Hartford, and State of Connecticut have invented certain Improvements in a Pocket Screw-Driver and Wrench, of which the following is a specification—

Nature and Objects of the Invention.

My invention consists in a screw-driver so made that the blade can be taken out of the handle when adjusted for use, its position reversed, and pushed up into the handle, so that the whole contrivance can be carried readily in the pocket. Also the end of the blade, opposite from the point, contains a small recess to fit upon a nut or bolt-head, so that the contrivance can, when adjusted for the pocket, be used as a wrench for small nuts.

Description of Accompanying Drawings.

Figure 1 is a view of the flat side of my invention adjusted for the pocket.

Figure 2 is a view of the flat side of my invention with the blade adjusted for use, and with a small portion of the handle in section, showing the socket of the blade.

Figure 3 is a view of the flat side of the blade.

Figure 4 is an edgewise view of the handle.

Figure 5 is a view of the socket end of the handle.

General Description.

The letter *a* indicates the metal handle, open in the center.

b is the blade.

b', the screw-driver point of the blade, and *b''*, the wrench end of the blade.

c is the wrench recess.

i i are lugs upon the side of the blade, which fit into proper recesses in the socket end of the handle.

The letter *a'* indicates the socket end of the handle, and the sectioning in fig. 2 shows just how the blade fits into its socket.

It is readily obvious that when the instrument is adjusted, as shown in fig. 1, it can be readily used as a wrench for small nuts, and that when adjusted, as shown in fig. 2, it can be used as a screw-driver.

The figures are of just the size of the instrument as heretofore made by me; of course other sizes can be made as well. This instrument is designed mainly for use with sewing-machines, and is an exceedingly handy implement.

Claims.

I claim as my invention—

The combination of the handle *a* and blade *b*, constructed substantially as described for the purpose set forth.

Dated November 6, 1869.

LEWIS HART.

Witnesses:

W. ED. SIMONDS,
SAML. F. JONES.