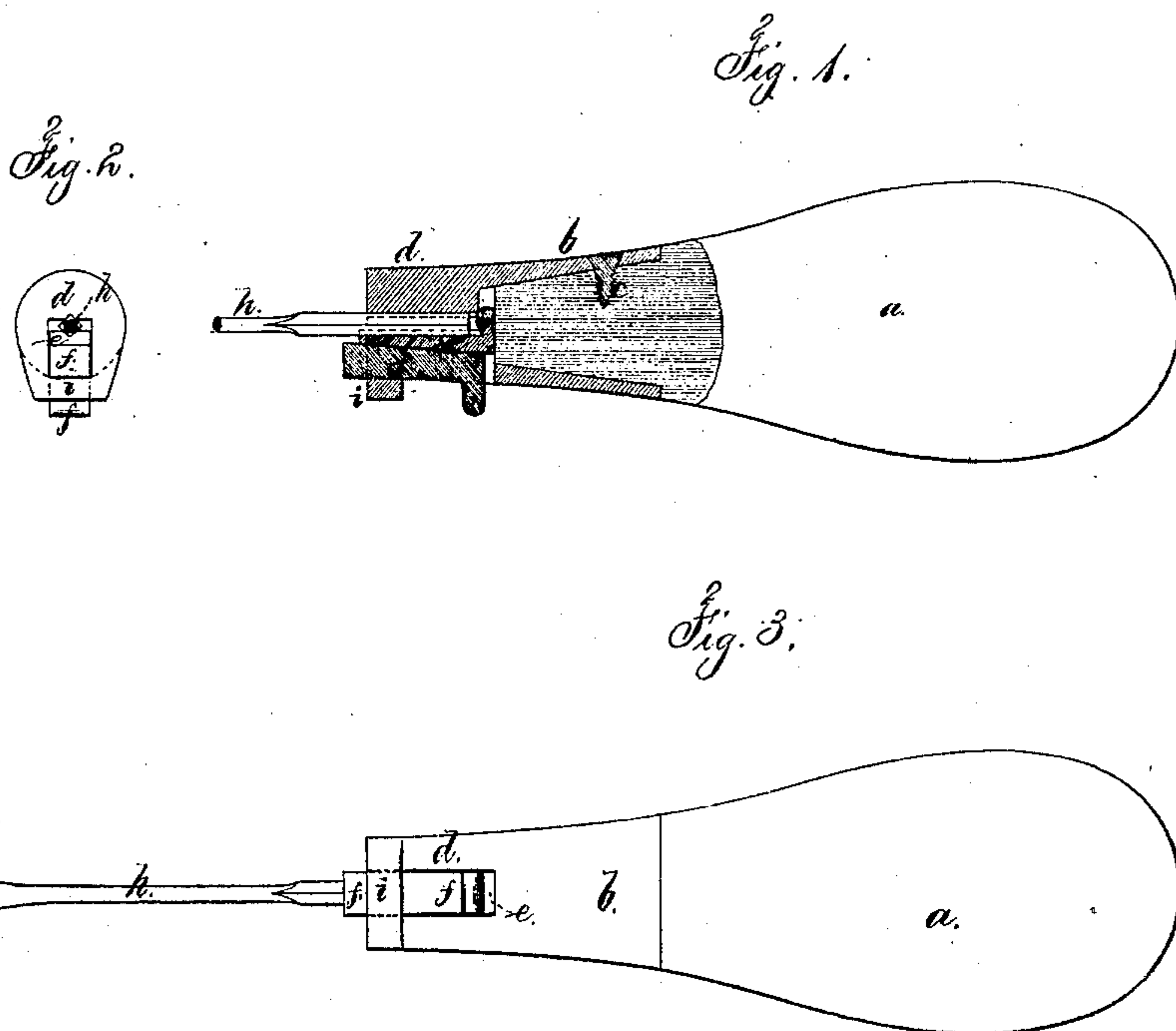


*E. Murray,*

*Tool Handle.*

*No. 109038.*

*Patented Nov. 2. 1870.*



*Witnesses,*

*Chas. H. Smith*

*Geo. W. Warren*

*Edgar Murray*

*for Lemuel W. Serrell*  
*att.*

# United States Patent Office.

EDGAR MURRAY, OF NEW YORK CITY, ASSIGNOR TO CHARLES W. DUNLAP, OF BROOKLYN, NEW YORK.

Letters Patent No. 109,038, dated November 8, 1870.

## IMPROVEMENT IN TOOL-HANDLES.

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

*To all whom it may concern:*

Be it known that I, EDGAR MURRAY, of the city and State of New York, have invented a certain new and useful Improvement in Handles for Tools; and the following is hereby declared to be a full and correct description of the same.

My invention relates to means for firmly holding in place in handles such tools as brad-awls, small chisels, files, &c., and consists in forming the ferrule for the end of the handle with a socket adapted to receive the tool, in combination with a block and wedge that act to clamp the end of the tool firmly to place, but upon withdrawing said wedge the tool can be removed for inserting another in its place.

In the drawing—

Figure 1 is a longitudinal section of said handle;

Figure 2 is an end view of the socket for the handle; and

Figure 3 is an elevation of the said handle and socket.

The handle *a* is to be of the desired size and shape, and at one end it receives the ferrule *b*, which may be connected to the handle by the screw *c*.

The end of said ferrule *b* is formed as a socket, *d*, adapted to receive the block *e* and wedge *f*; and said

block *e* and wedge *f* are each formed with a lip or projection that prevents their falling out of the socket when no tool is in the holder.

To center the tool properly and to aid in keeping it in place, I form a longitudinal groove in the socket *d* and also in the block *e*, and in these grooves the tool *h* is laid when about to be clamped to place, and the wedge *f* acts between the side of said block *e* and the part *i* of socket *d*, to firmly hold and clamp the tool to place.

The tool can be easily and quickly removed from the socket by loosening the wedge *f*.

The handle *a* may be formed as a tool-holder, if desired.

I claim as my invention—

The wedge *f* and clamping-block *e*, made with lips or projections, to prevent their falling out of the socket *d*, into which socket they are introduced, and act to hold the tool in the manner specified.

Signed by me this 22d day of December, 1869.

EDGAR MURRAY.

Witnesses:

CHAS. H. SMITH,

GEO. T. PINCKNEY.