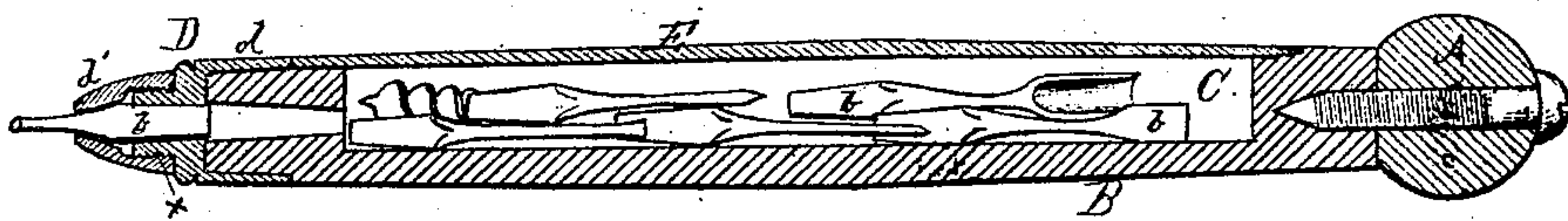


*G. W. Gregory,*  
*Combination Tool.*

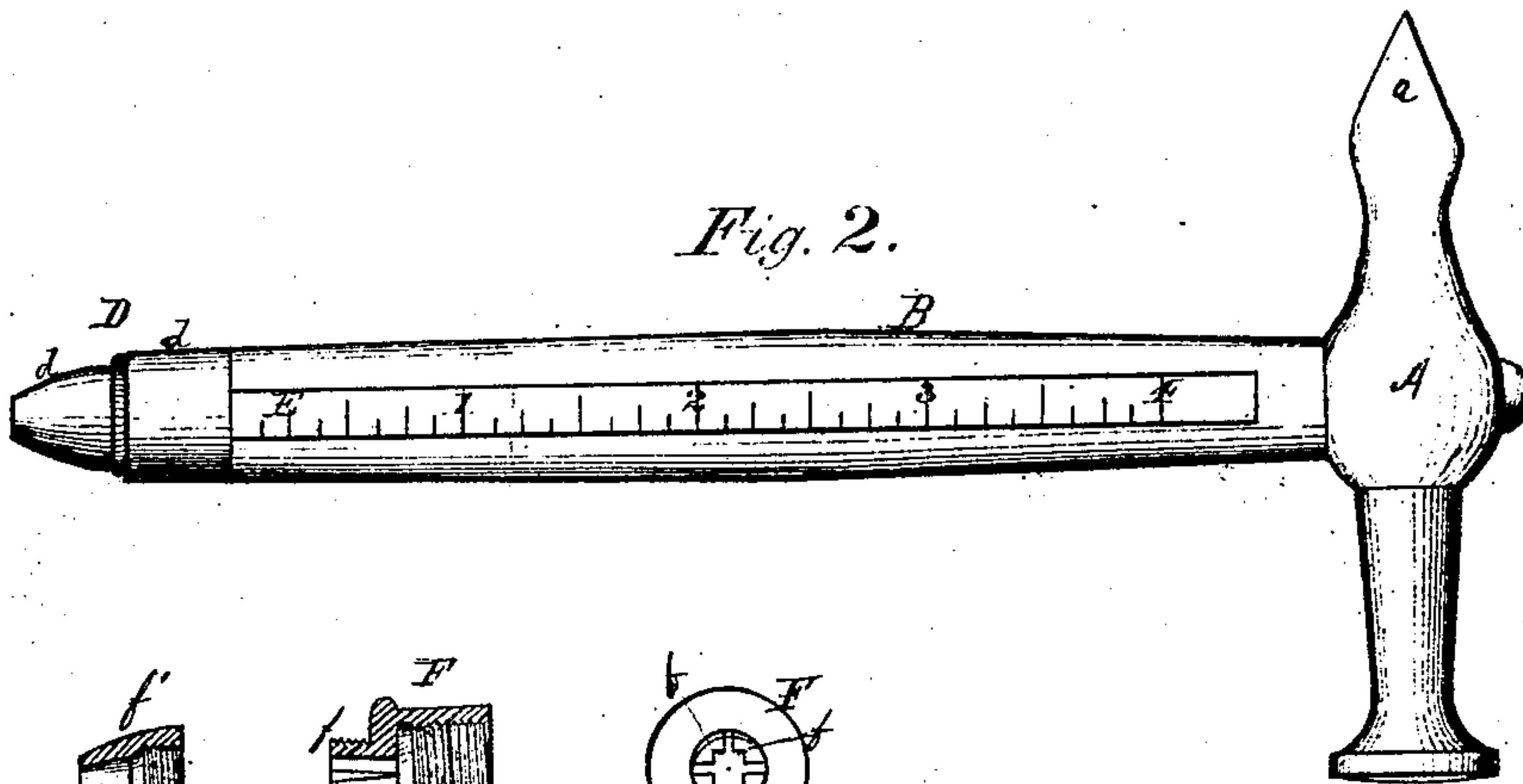
*No. 102677.*

*Patented May 3. 1870.*

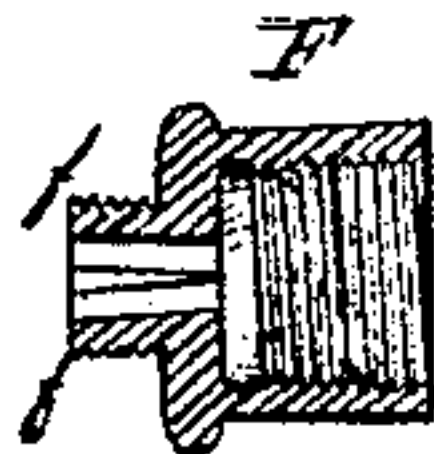
*Fig. 1.*



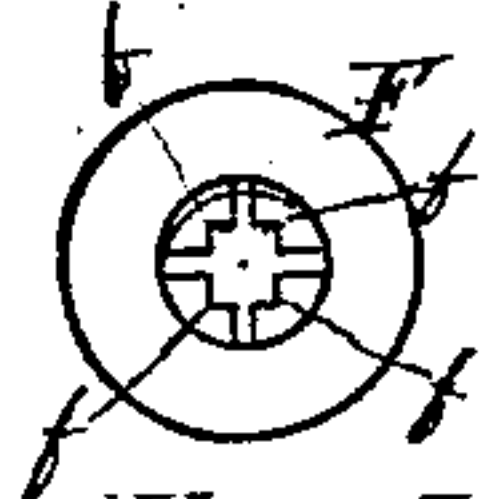
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



*Fig. 5.*

*Witnesses:*

*E. H. Capron*  
*Jas. W. Holman*

*Inventor:*

*G. W. Gregory*

# United States Patent Office.

GEORGE W. GREGORY, OF NEW YORK, N. Y.

*Letters Patent No. 102,677, dated May 3, 1870.*

## IMPROVEMENT IN COMBINATION-TOOL.

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

I, GEORGE W. GREGORY, of New York City, New York, have invented a new and useful Improvement in a Combination-Tool, of which the following is a specification, taken in connection with the accompanying drawings.

My invention relates to the combination with the chambered handle of a hammer, of a tool-holder or gripper, as will be more fully described hereafter.

Figure 1 is a longitudinal section, taken through the hammer and handle.

Figure 2 is a side view.

Figures 3, 4, 5, are views of a modified form of tool-holder.

A is a hammer-head, in this instance shaped as an ordinary riveting-hammer, but it may be constructed as an ordinary tack-hammer.

B is the hammer-handle hollowed out, forming a chamber, C, for the reception of tools *b b*, which may consist of small gouges, chisels, saws, gimlets, brad-awls, screw-drivers, and tack-claws.

The opening into the chambers is, in this instance, from the side, and such opening is covered with a steel or wood strip, scaled as a rule, and one end of the strip is flattened for a screw-driver. This strip may be secured in place in any suitable way.

On the end of the handle I place a tool-holder, D, composed of two pieces, *d d'*, one portion, *d*, serving the purpose of a ferrule for the end of the handle, and it is also provided with a tubular-threaded projection, *x*, which is slotted transversely, and throughout its length, so as to form such tubular projection into two or four projections. I intend making such projection conical toward its end, so that, when a tool, *b*, is placed between such projection, and the nut *d'*, screwed thereon, they will be compressed, and gripe and hold such tool firmly.

The piece *d'* may be provided with a milled nut, to assist in turning it up tightly.

In fig. 1, a tool is shown as secured in the holder, but broken off at its end.

In fig. 2, the tool is removed from the end of the handle.

Figs. 4 and 5 show a modified form of holder, the part F being adapted to screw on the handle, and *f'* is the nipple, to screw over the projections *f f*.

When a tack-hammer is used, it may be magnetized.

The wood of the handle may be stamped in figures for a rule, or the handle may be made of metal, or part metal and part wood.

By using the parts represented in figs. 3 4 5, I may make the handle in one piece, and bore it from the end farthest from the hammer, for a distance sufficient to form a suitable space to receive the tools, and then screw the part F off and on the handle, to gain access to the tools.

The handle might be made of a tube of metal.

By combining the tool-holder with the chambered hammer-handle, I am enabled to produce a very useful improvement, and adapted to meet many wants.

I am aware that sets of small tools have been held in handles similar to awl-handles, but such I do not claim; and I am also aware that a screw-driver has been permanently attached to a hammer handle.

Having described my invention, I claim—

The implement herein described, composed of the hammer, chambered-handle, and tool-holder, when constructed and arranged substantially in the manner specified.

GEO. W. GREGORY.

Witnesses:

JAS. W. HOLMON,  
E. P. H. CAPRON.