

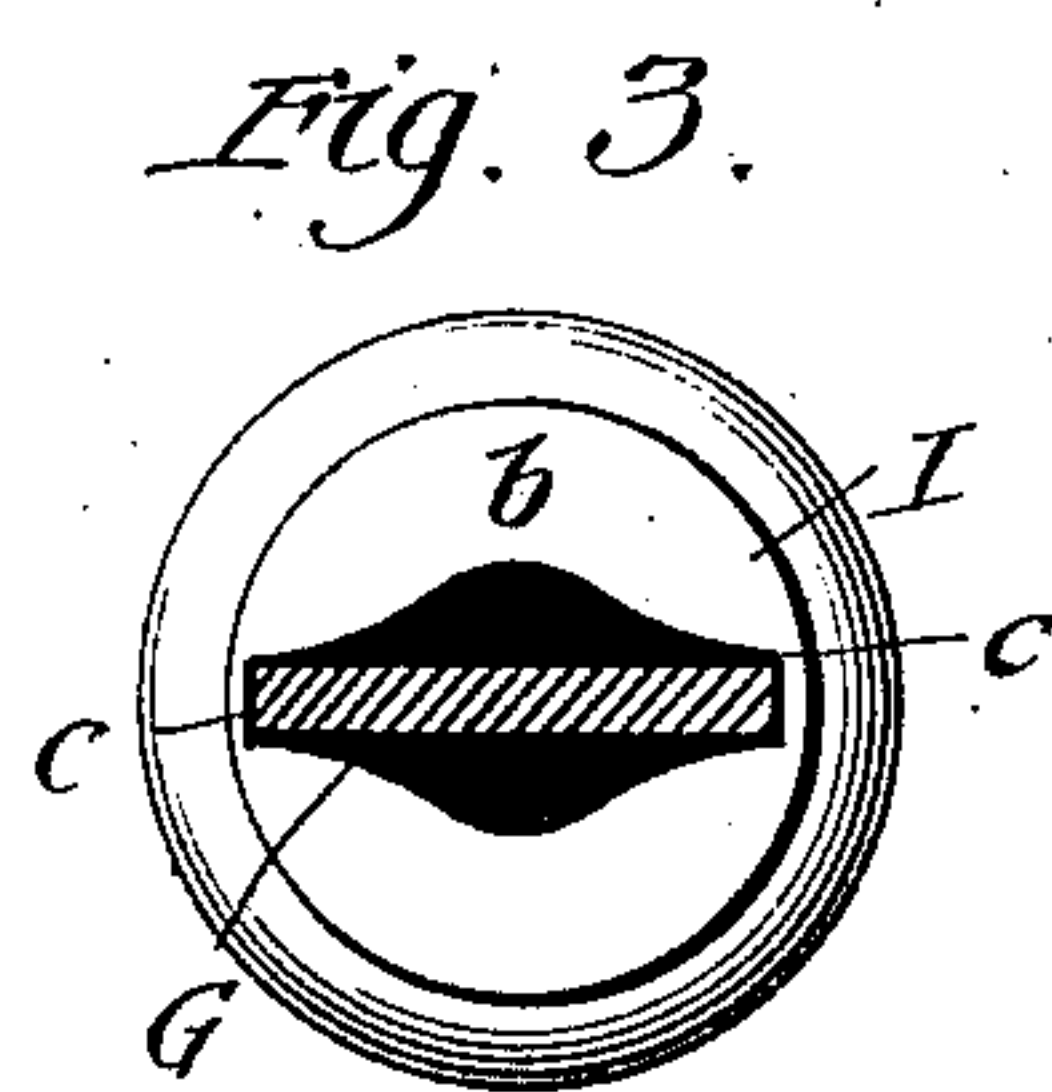
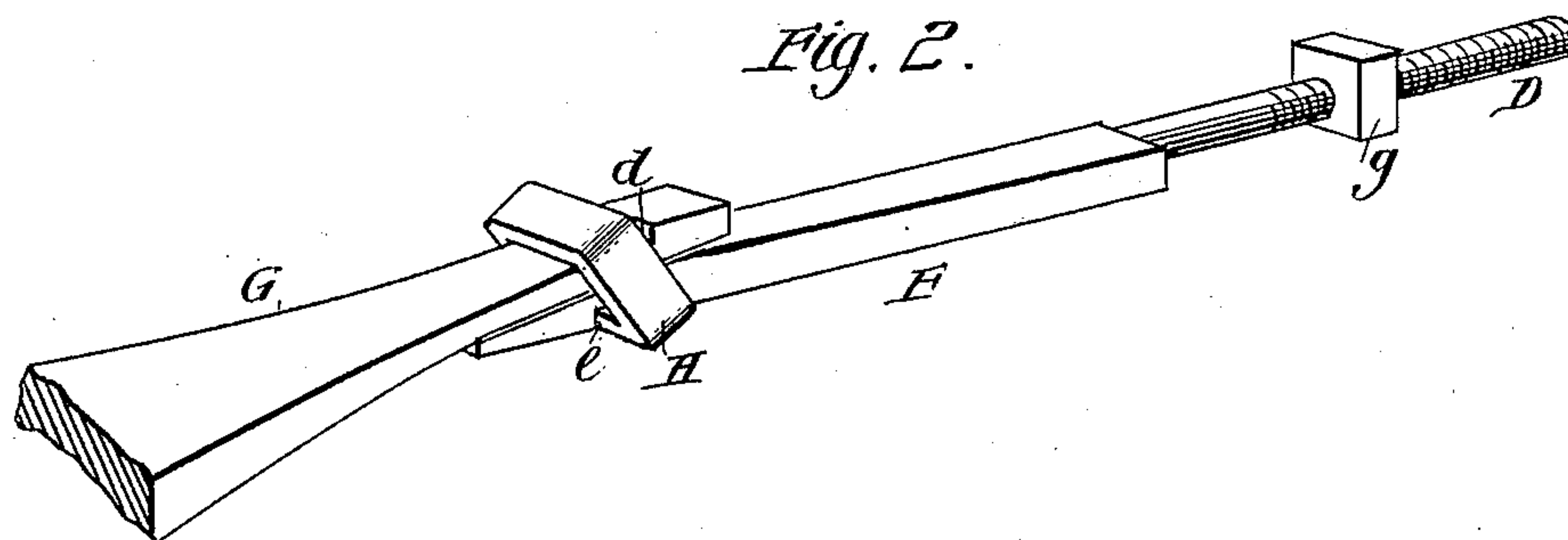
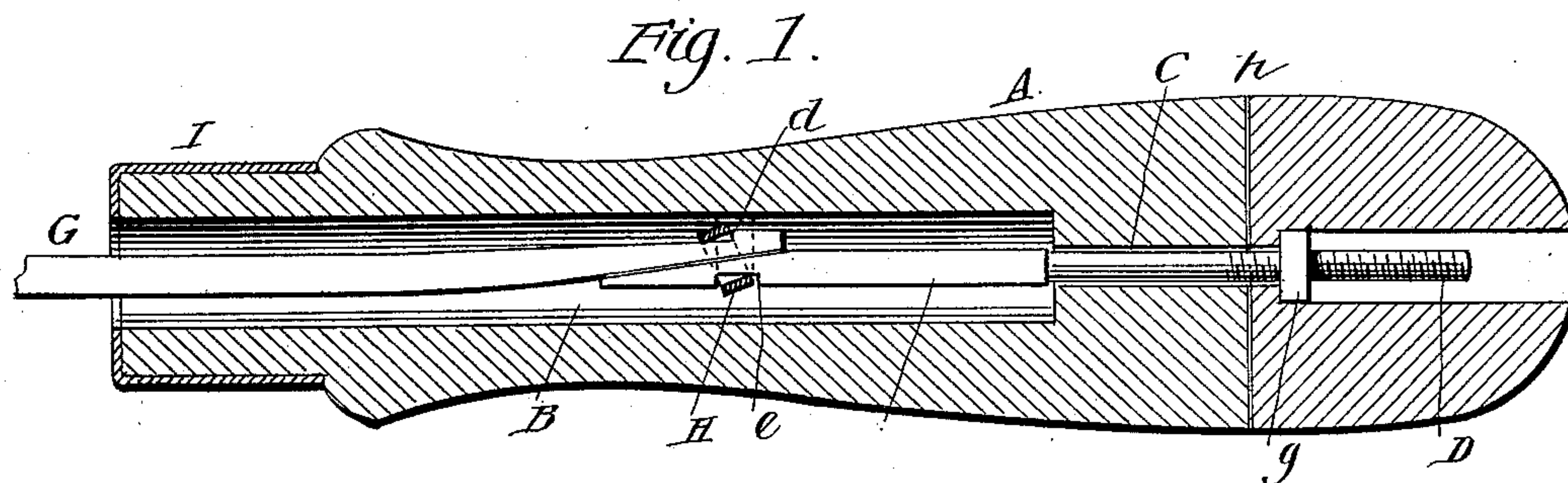
(No Model.)

2 Sheets—Sheet 1.

E. S. ROBINSON.
TOOL HANDLE.

No. 420,699.

Patented Feb. 4, 1890.



WITNESSES:

J. H. Clark.
C. Sedgwick

INVENTOR:

E. S. Robinson

BY

Munn & Co.

ATTORNEYS.

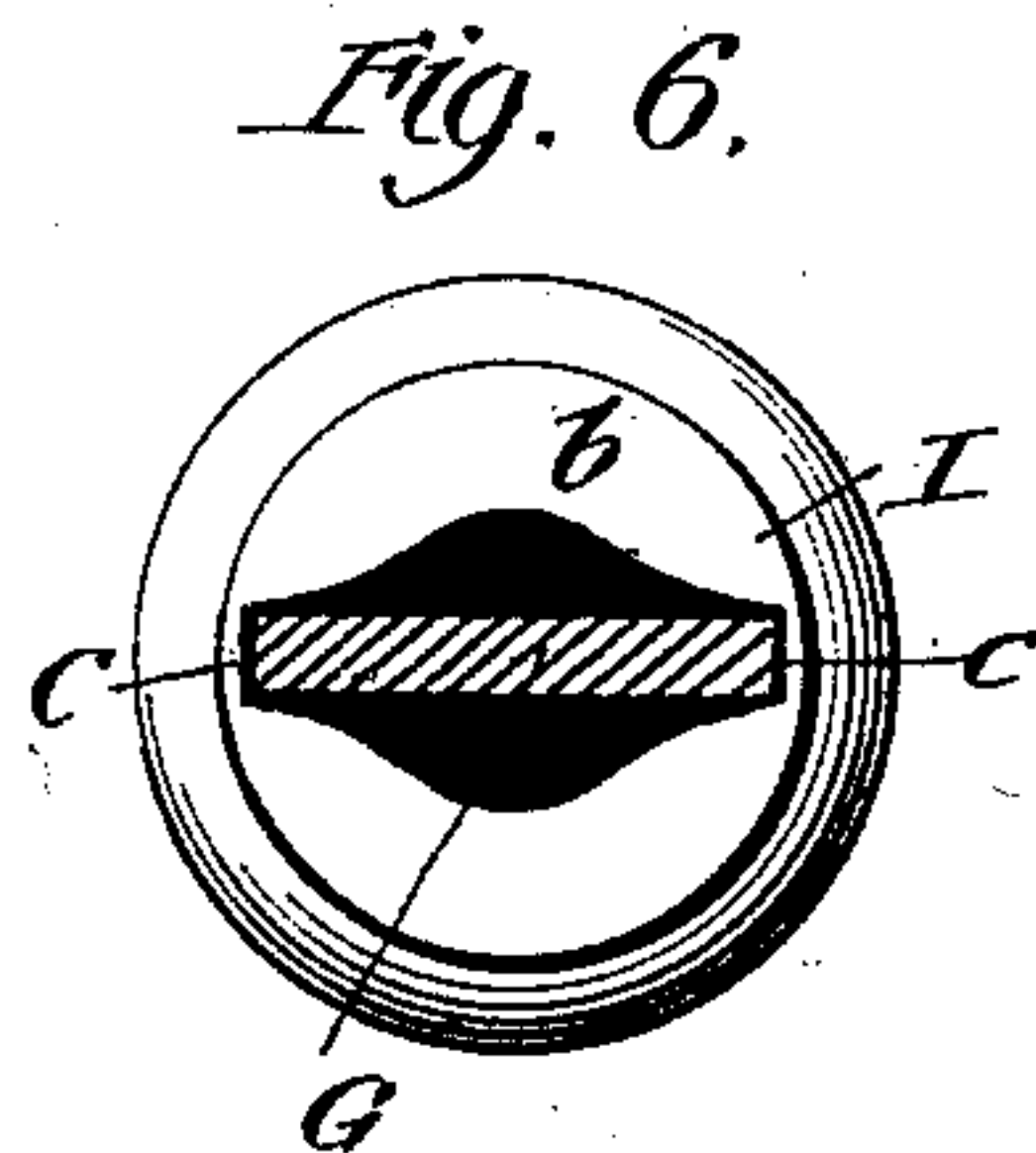
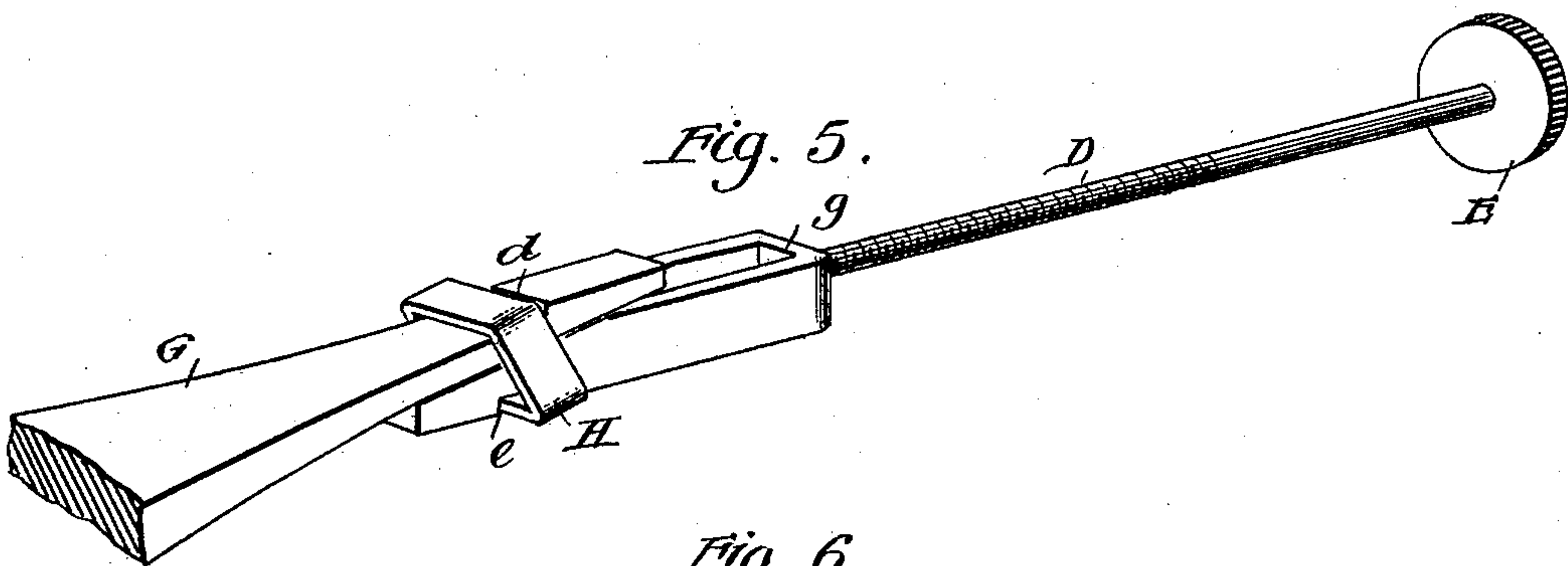
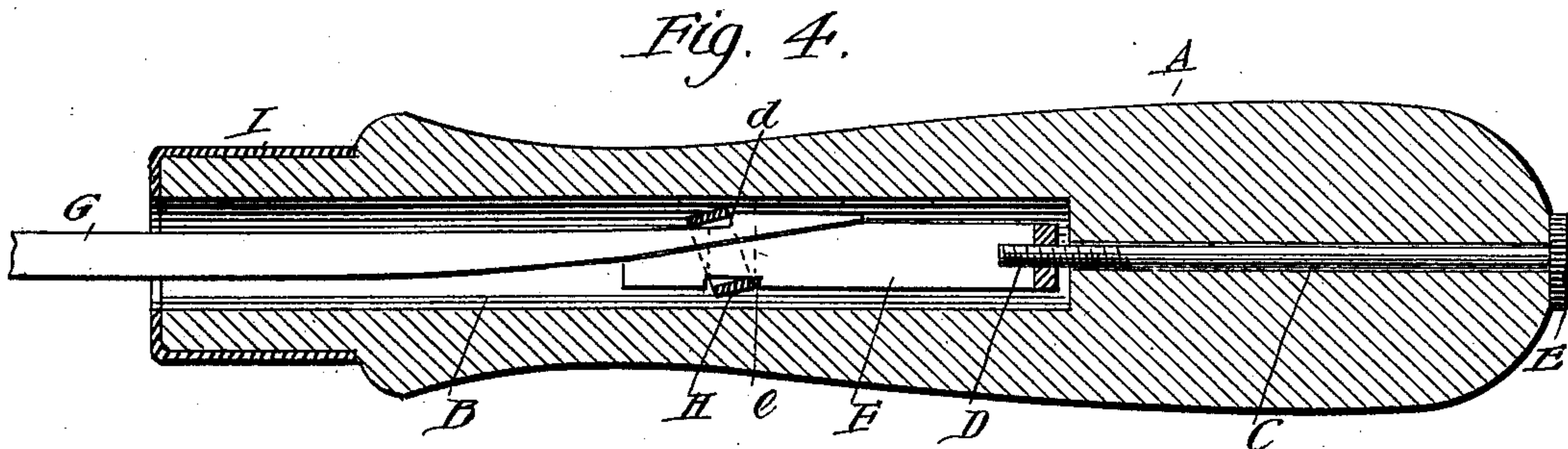
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UNITED STATES PATENT OFFICE.

EVERETT S. ROBINSON, OF PATCHOGUE, NEW YORK.

TOOL-HANDLE.

SPECIFICATION forming part of Letters Patent No. 420,699, dated February 4, 1890.

Application filed December 11, 1888. Serial No. 293,296. (No model.)

To all whom it may concern:

Be it known that I, EVERETT S. ROBINSON, of Patchogue, in the county of Suffolk and State of New York, have invented a new and
5 useful Improvement in Tool-Handles, of which the following is a full, clear, and exact description.

This invention, while applicable to other tools, is more especially designed to be applied to files; and it consists in novel means,
10 substantially as hereinafter described, and pointed out in the claims, for securing the file or tool in its handle with facility of attachment and detachment, and the use of the
15 same handle and tool-securing means for any number of substitute files or tools in succession.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a longitudinal view of a file in part with attached means, partly in section, for securing it within its handle,
25 which is shown wholly in section. Fig. 2 is a view in perspective of the file in part with its attached clamping and securing means, omitting the handle; and Fig. 3 is an inner end view of the handle with the shank of the
30 file fitting therein in section. Figs. 4, 5, and 6 are similar views to Figs. 1, 2, and 3, but showing a modified construction of the handle and means for tightening up the file therein.

Referring in the first instance to Figs. 1, 2, and 3 of the drawings, A is the handle, which may be made of wood or any suitable material, and which has its rear end portion divided transversely, as at *h*, and is constructed
40 with a longitudinal central recess B, extending far back into it from its inner end, and a hole C, which may be of lesser size or sizes, extending from the rear end of said recess out to and through the back end of the handle. Upon the inner end of the handle is a
45 ferrule I, which is constructed to present on its face a suitably-shaped oblong aperture *b*, having opposite lateral extensions *c c*, with which the tapering shank of the file G engages when drawn up to its place in the handle and which keep the file from turning in

the handle. The shank of the file has applied to its inner end a tool clamp or carrier F, which may either be in the form of a bar or of any other suitable construction, and
55 which is provided at its rear end with a screw or screw-shank D, that passes back into the aperture C in the rear end portion of the handle and engages by its screw-thread with a screw box or nut *g*, tightly driven or otherwise held from turning and moving within
60 the portion of the aperture C in the back divided end part of the handle. The shank of the file is notched, as at *d*, and the carrier F also preferably provided with a notch *e*, in
65 order than when said shank has the carrier F, that may be beveled, as shown in Fig. 1, applied to it the two may be united by a ring-clip H, that admits of the projection of the small end of the file-shank within or through
70 it, but which clip, when the back divided end part of the handle is engaged with the carrier, as by the screw D and nut *g*, and said end part of the handle is rotated to screw up
75 the file, will be slightly tilted or caused to firmly bind and form a secure lock of the notched portions *d* and *e* of the file and its carrier together within the longitudinal recess B of the handle, and the file will be tightly
80 drawn up to its place therein. To make this clear and to provide for entry of the shank of the file within the ring-clip H when fitting the file to the carrier G and for its detachment therefrom when required, the notched
85 end of the shank of the file is first passed through said ring-clip when it occupies a rectangular position in the notch *e* of the carrier; but upon drawing up the file within the handle and temporarily holding on to the forward end of the file while turning the back
90 divided end part of the handle to draw up the file the ring-clip H will be tilted or canted so as to make the ring-clip catch in the notched portion of the file-shank, and so provide for drawing up the file in concert with
95 the longitudinal movement of the carrier up within the handle. In this manner or by these means the file is securely held in position to the handle, and by turning the rear divided end part of the handle, together with
100 its inserted nut *g*, so as to unscrew or disengage the latter from the screw end portion D

of the carrier F, the file, carrier, and ring-clip may all be drawn out from the handle and be detached from one another to replace the file by another, which may be similarly
5 secured in position and by the same means within the handle.

In Figs. 4, 5, and 6 of the drawings substantially the same construction is shown, excepting that the file-carrier F, which is represented as of a strap-like construction, has
10 the screw-box, or what may be termed the "nut," g in the rear end of the carrier, and the screw D, which works through said nut, is independent of the carrier F, and, extend-
15 ing through the hole C in the handle, is operated by a milled or other head E on the outer end of it at the back end of said handle, which under such arrangement of course does not require to be transversely divided,
20 as in Fig. 1 of the drawings.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The herein-described tool-holder, comprising the longitudinally-bored handle, the
25 longitudinally-adjustable tool-carrier F, having a beveled forward end and a notch in its side opposite the bevel, and the ring-clip embracing the beveled end of the carrier, substantially as set forth. 30

2. The combination, with the longitudinally-bored handle having the adjustable tool-carrier F, having a beveled forward end
notched on its side opposite the bevel, and the ring-clip H, embracing the beveled end
35 of the carrier, of the tool having its shank inclined or beveled to correspond with the bevel of the carrier and notched on its opposite side to receive the clip, substantially as set forth.

EVERETT S. ROBINSON.

Witnesses:

C. B. ROBINSON,
M. D. ROBINSON.