

(No Model.)

T. BOLTON.
TOOL HANDLE.

No. 254,861.

Patented Mar. 14, 1882.

FIG. 1.

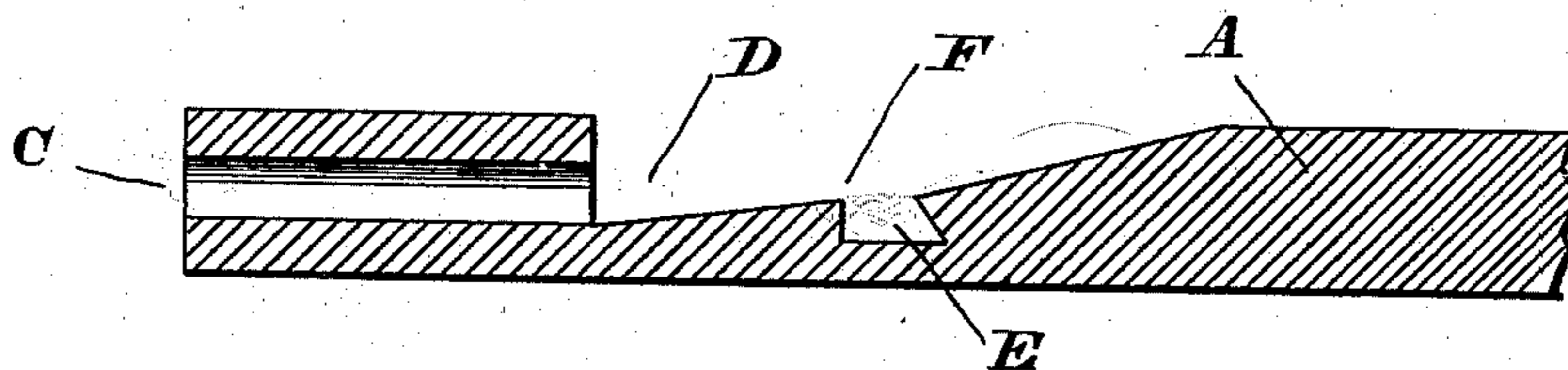


FIG. 2.

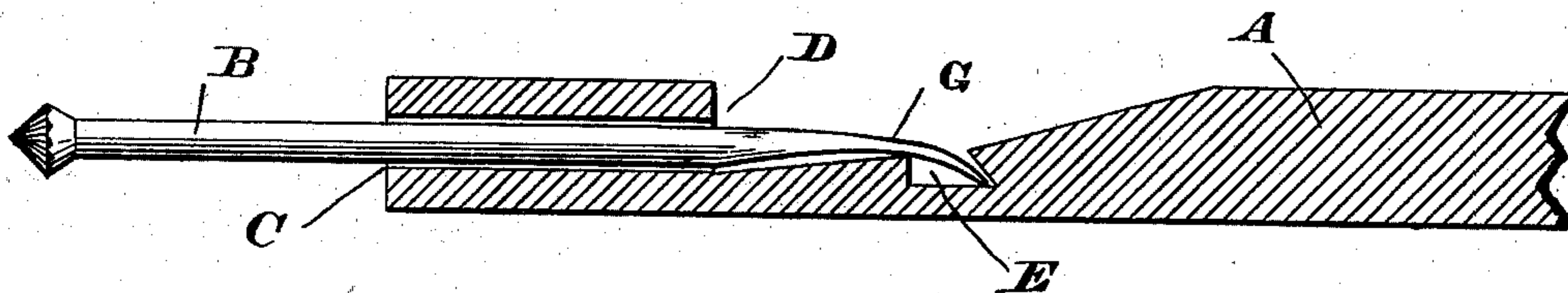
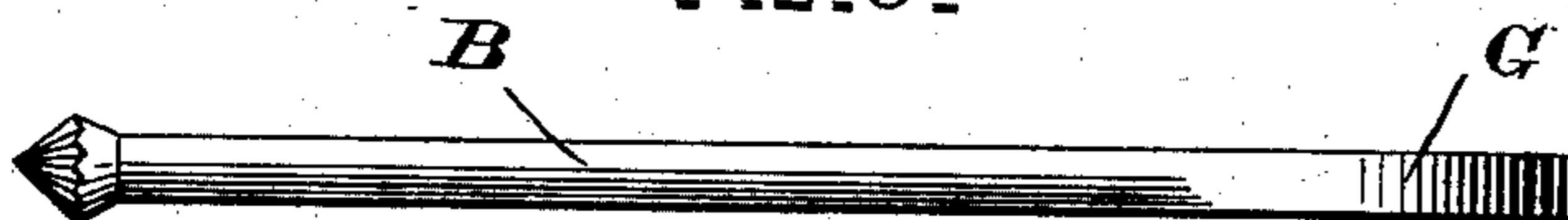


FIG. 3.



WITNESSES

Wilmer Bradford
John Calvert

Thomas Bolton

INVENTOR

UNITED STATES PATENT OFFICE.

THOMAS BOLTON, OF SAN FRANCISCO, CALIFORNIA.

TOOL-HANDLE.

SPECIFICATION forming part of Letters Patent No. 254,861, dated March 14, 1882.

Application filed June 27, 1881. (No model.)

To all whom it may concern:

Be it hereby known that I, THOMAS BOLTON, a citizen of the United States, residing at San Francisco, in the county of San Francisco, State of California, have invented a new and useful Tool Attachment, of which the following is a full and exact description.

My invention relates to the attachment of small metallic tools and instruments to a holder shank or stock; and it consists of the following particulars, as explained by the accompanying drawings, of which—

Figure 1 represents the tool attached to the holder; Fig. 2, the holder without the tool; Fig. 3, the tool without the holder.

The holder or stock A, which may be of any length and form, is made tubular at its lower end, which is to receive the tool. At the upper extremity of and tangentially to the bore one side of the stock is cut away so much that the bore is entirely exposed, and D, a portion of this side, having the same or a greater length than the tubular part, is transformed into a plane inclining toward the bore C. From a point, F, upward, which point is in a line with the center of the bore C, a slot or groove, E, is cut across the inclined plane.

The tool B, whose diameter must be but a trifle less than that of the bore C, is slightly curved at that end which is to be inserted into the stock, and the concave side of this end is flattened, as shown at G. Furthermore, this

portion of the tool is given a spring-temper. On inserting the tool into the stock the application of a little force will cause the curved and elastic tongue to glide over the ridge lying between E and C and spring into the slot E, where, by the tension of the spring and the contact of the flat under surface, G, with the edge F and the sides of the slot E, it will be held in position and prevented from slipping out and twisting in the socket.

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

1. The tool-holder A, having the cylindrical socket C, extending longitudinally into one end, and the inclined surface D, with the slot or notch E, formed across it at such a point that the angle or shoulder F stands in a line with the center of the socket C, substantially as and for the purpose herein described.

2. The tool B, having the curved elastic and flattened tang G, as shown, in combination with the holder A, with the socket C, the inclined flattened surface D, transverse groove or notch E, and shoulder F, whereby the tang of the tool is engaged and held, substantially as herein described.

THOMAS BOLTON.

Witnesses:

JOHN CALVERT,
FRED. BOND.