

(No Model.)

T. R. ELLIN.

POCKET KNIFE.

No. 360,866.

Patented Apr. 12, 1887.

Fig. 1.

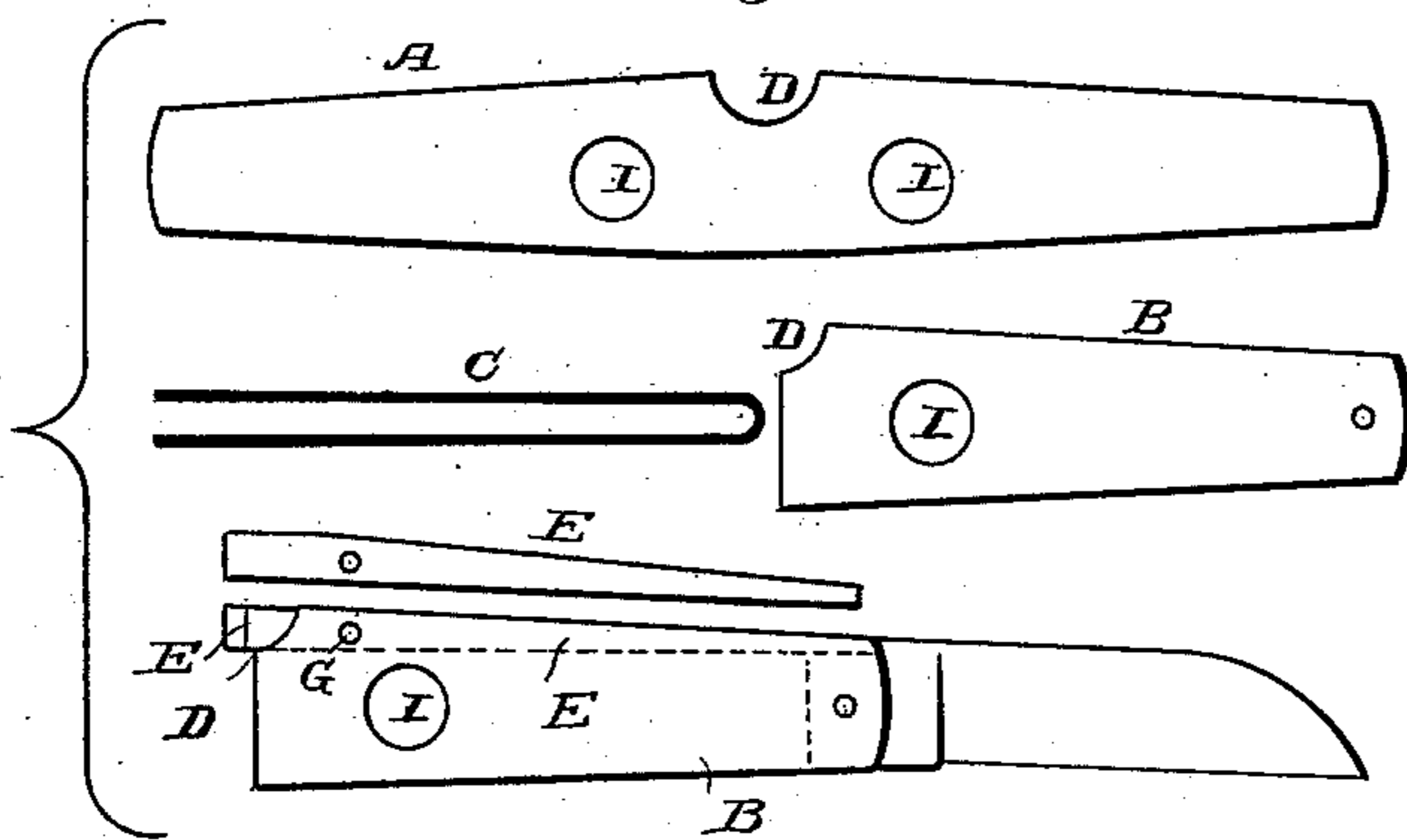


Fig. 2.

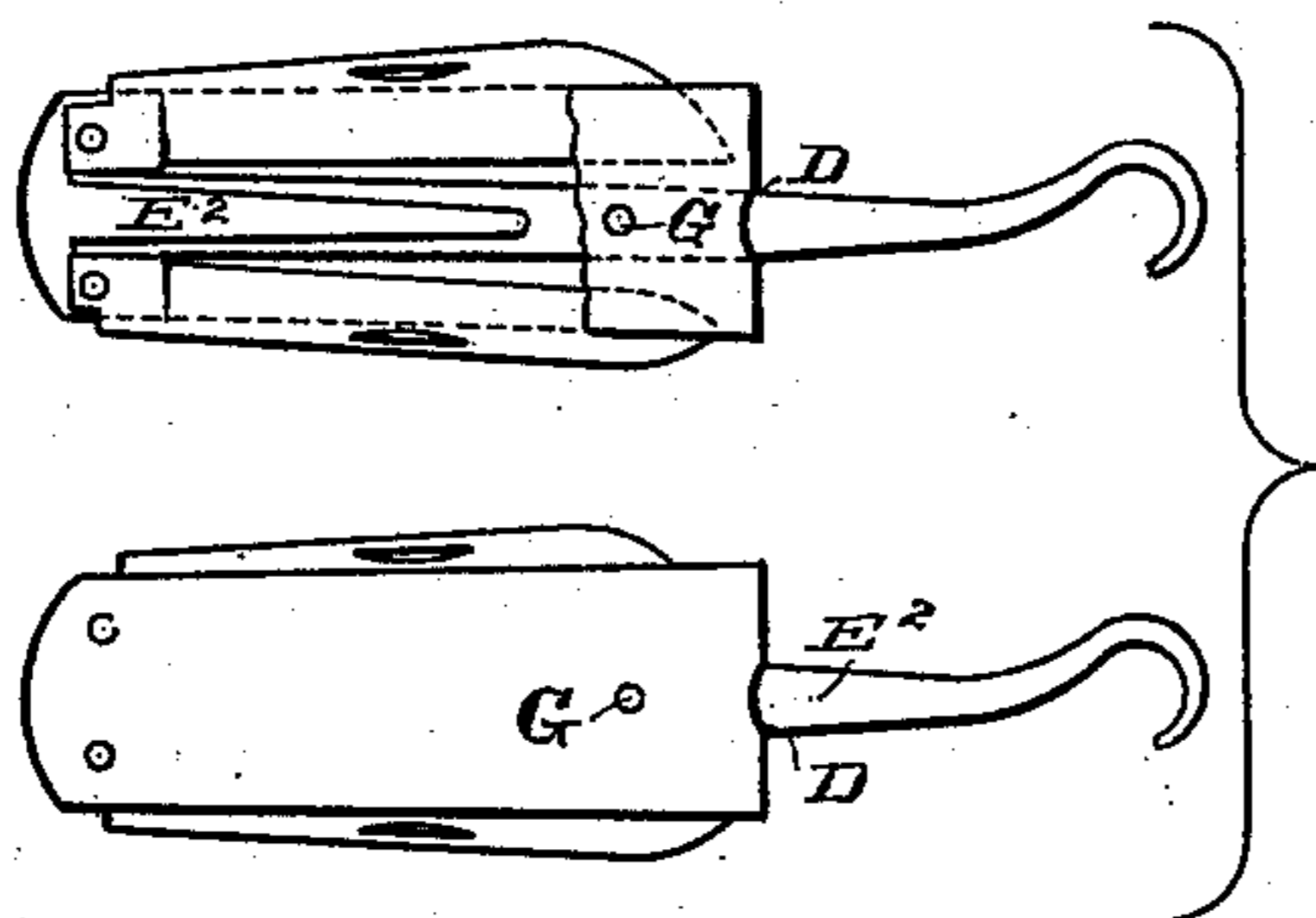


Fig. 3.

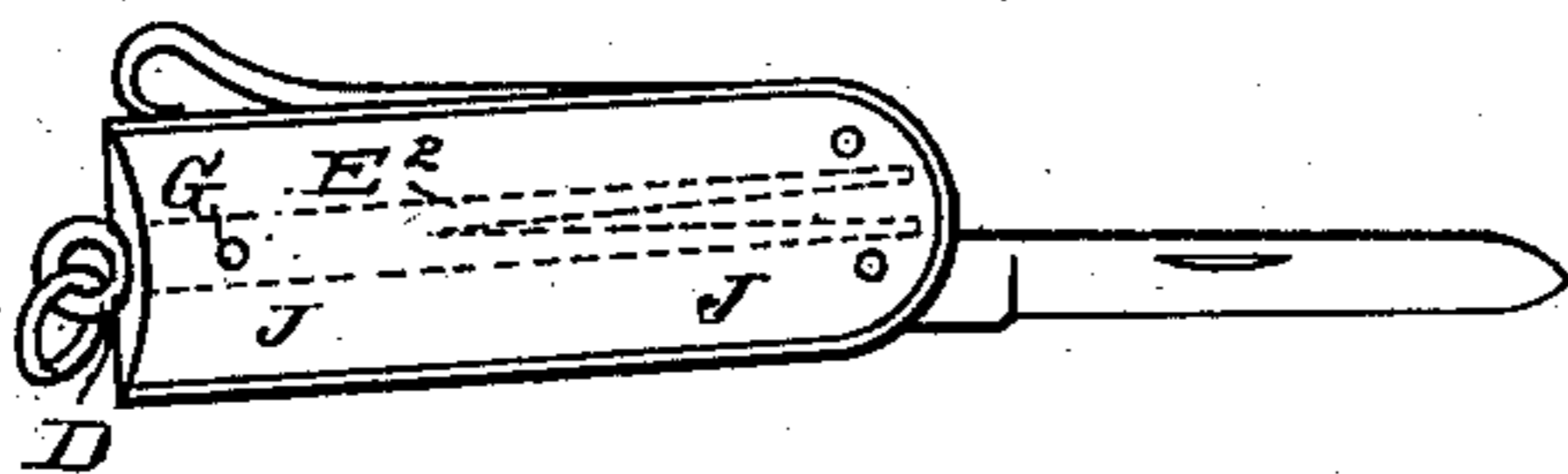
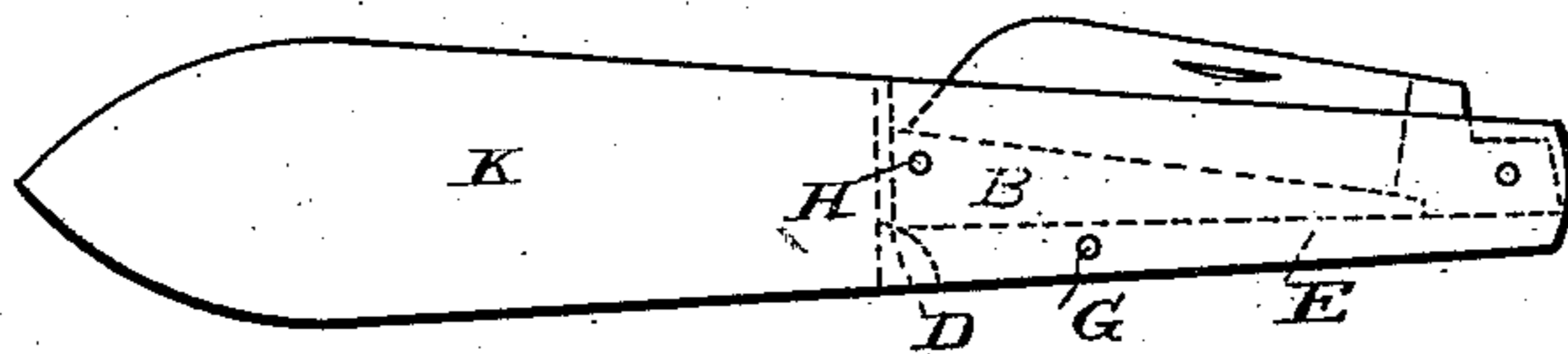


Fig. 4.



Witnesses:

H. A. Lamb.

Joseph Barker

Inventor.

THOMAS RICHARDSON ELLIN,

By his Attorney

T. R. Ellin.

UNITED STATES PATENT OFFICE.

THOMAS R. ELLIN, OF SHEFFIELD, COUNTY OF YORK, ENGLAND.

POCKET-KNIFE.

SPECIFICATION forming part of Letters Patent No. 360,866, dated April 12, 1887.

Application filed July 30, 1886. Serial No. 209,598. (No model.) Patented in England April 8, 1886, No. 4,909.

To all whom it may concern:

Be it known that I, THOMAS RICHARDSON ELLIN, a citizen of Great Britain, residing at Sheffield, in the county of York, England, have invented certain new and useful Improvements in Spring Cutlery and other Similar Closing Articles, patented to me in Great Britain by Letters Patent No. 4,909, dated April 8, 1886; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

This invention refers more particularly to one-ended pocket-knives—that is, to knives in which the blades are pivoted at one end only of the handle, the chief object being to reduce the cost of manufacture, while increasing the strength of the article.

The method of carrying my invention into effect is shown in the accompanying drawings, in which—

Figure 1 represents a complete single-blade knife and separate parts of same. Fig. 2 represents a double-bladed knife and button-hook in section and complete; Fig. 3, a knife with closing button-hook and blade; Fig. 4, gardeners budding-knife according to my invention.

In making a single-blade knife, as shown in Fig. 1, for example, I take a strip of any suitable metal and shape it to the form shown at A. I then bend or double it back in the middle to form the two scales, as shown at B and the edge view, C, the opening D being to allow the end of the spring E to project sufficiently to take a bearing against the edge of the metal, as seen in the complete knife.

The end of the spring may be finished off flush with the end of the knife, or it may project and be utilized as a turn-screw, F, or other convenient instrument, as shown. Thus when the blade is opened and shut the pressure of the spring is taken by the pin G and bearing H.

The holes I are only used in smoker's knives to cut off the ends of cigars, and form no part of my invention.

The blade, as will be seen, is placed between the scales B in connection with the spring E, and secured by a pin in the usual manner. The metal scales may constitute the outside of the knife, or outside scales of ivory, horn, or other substance J, Fig. 3, may be attached thereto.

When a divided or "lobster" spring, E², is used—as, for instance, in a two-bladed knife, as shown in Fig. 2—instead of making a notch or opening, D, at the side, it is made through the center, and the projecting end of the spring may be utilized as a button-hook, and is pinned through at G. If preferred, it may be cut off flush with the end of the knife.

In the case of a "budding-knife" (shown in Fig. 4,) having an ivory handle, K, slit through the solid to receive the blade and spring, they are very liable to fracture when made in the usual way. My invention obviates this, as the double scale with the blade is inserted bodily into the slit, and can be secured by pins passed through the thickest parts. The strain of the spring is also taken from the ivory and is borne by the scales.

Fig. 3 shows an arrangement of button-hook and blade, the end of the spring E² being used as an attachment for a split ring to fasten a cord to.

In each of said improved articles the metallic scales of the handle are in a single piece, adapted to be readily formed, and having a single short transverse bend. The "head" end of the spring is solidly supported, the separation or displacement of the spring is prevented, and the blades may be as long as the scales.

I am aware that a pocket-knife has before been made with its metallic scales united by a longitudinal bend. This I disclaim as forming no part of my invention.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

In a pocket-knife or similar article, the combination, substantially as herein specified, of a spring having a single pin-hole, a pair of metallic scales united at the head end of the handle by a transverse bend, and having an opening in said bend occupied by the head end of said spring, a folding blade or the like pivoted between the scales at the opposite end of the handle, and a pin which securely unites the scales and spring, for the purpose set forth.

In testimony that I claim the foregoing as my own I have affixed hereto my signature in presence of two witnesses.

THOS. R. ELLIN.

Witnesses:

ROBT. F. DRURY,
ENSOR D. DRURY.