

(No Model.)

G. KREMENTZ.
COLLAR BUTTON.

No. 298,303.

Patented May 6, 1884.

Fig. 1

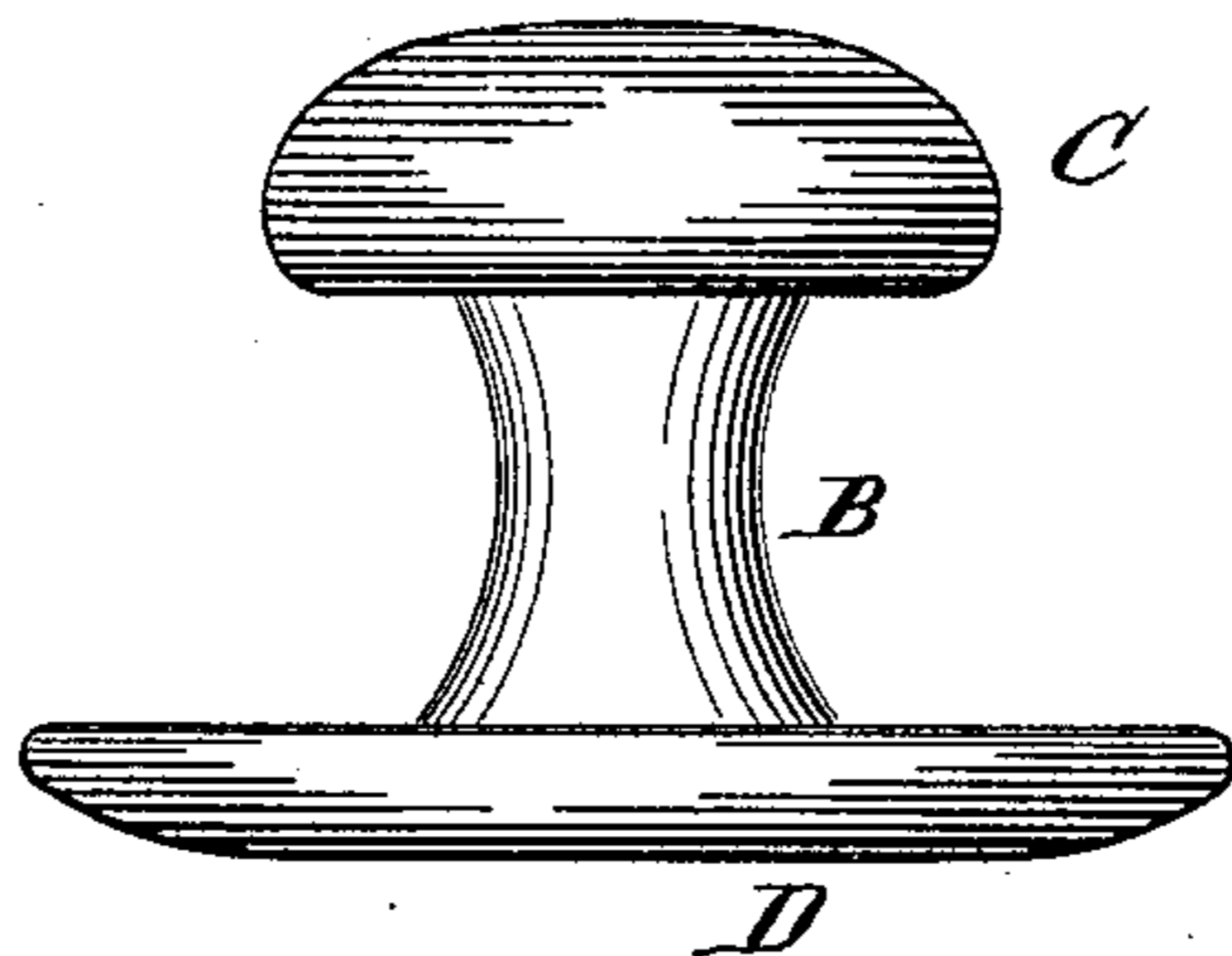


Fig. 2

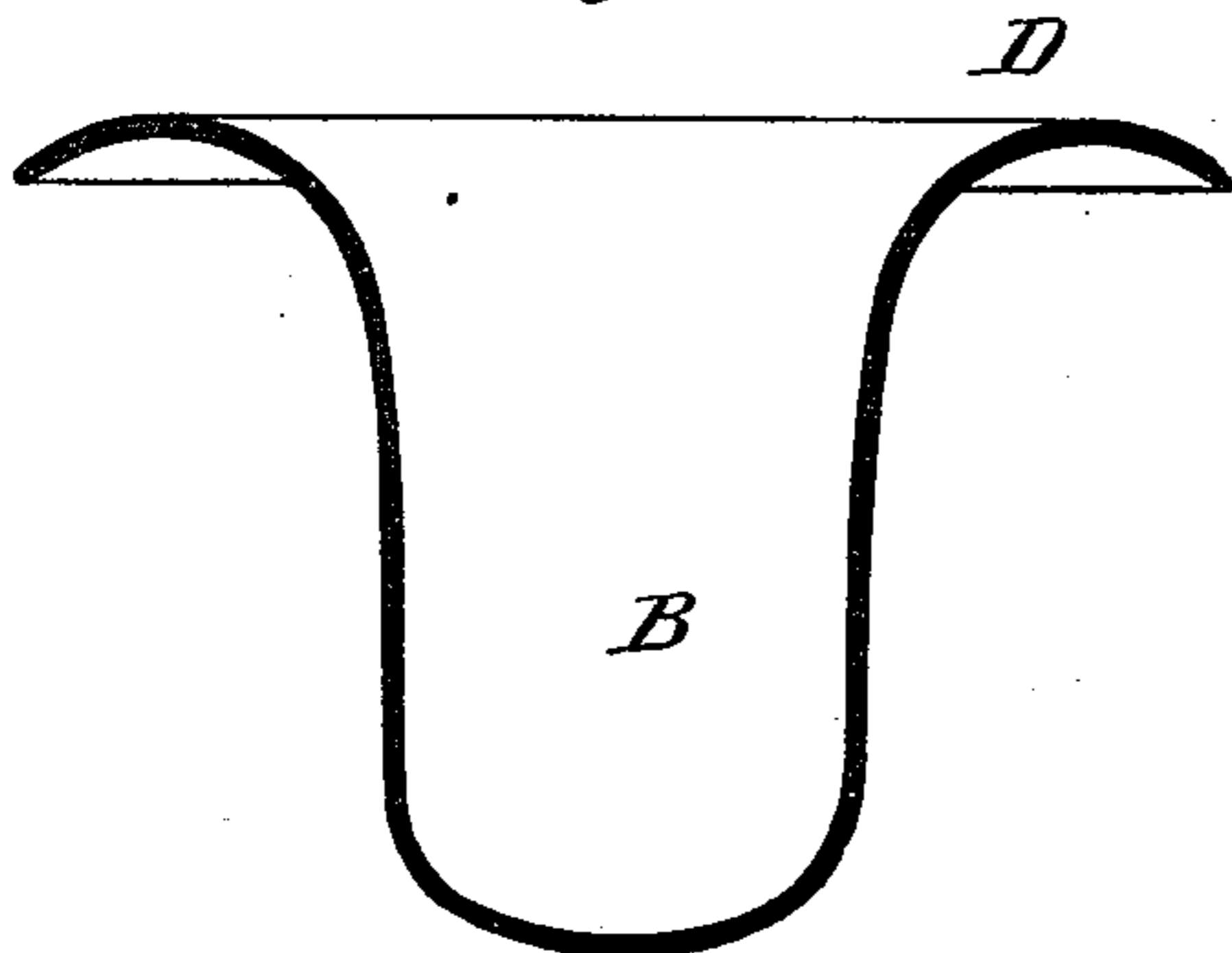


Fig. 3

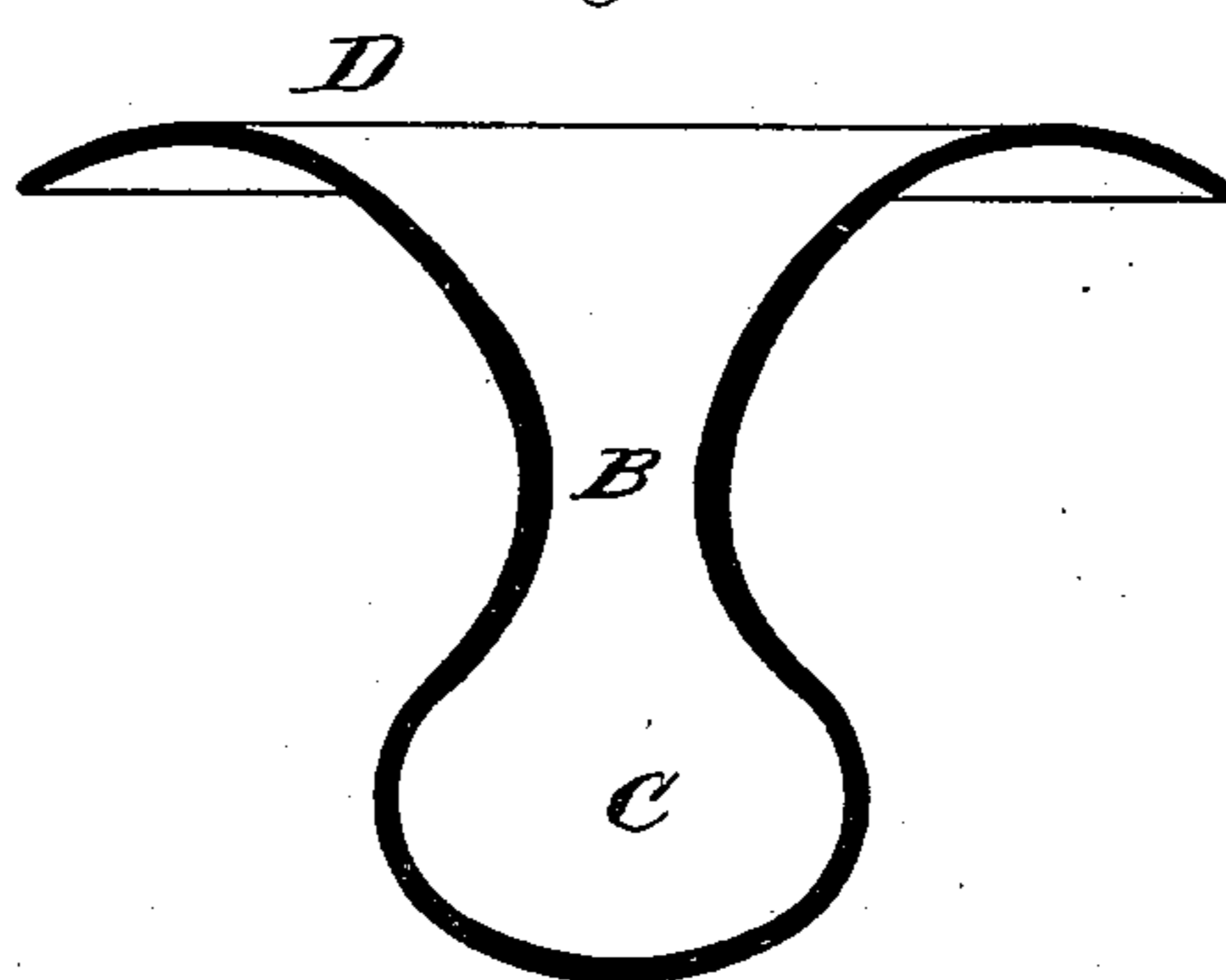


Fig. 4

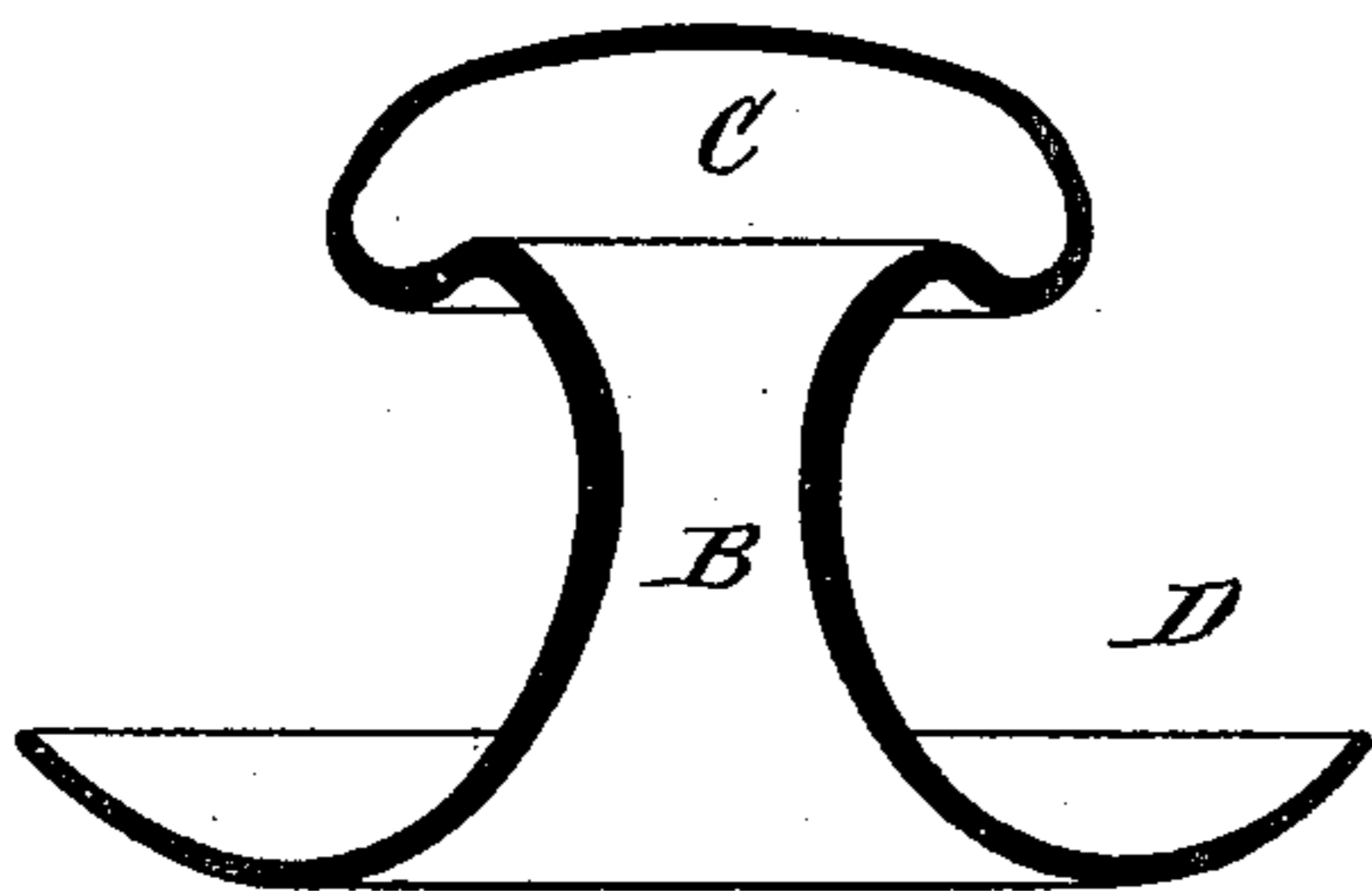
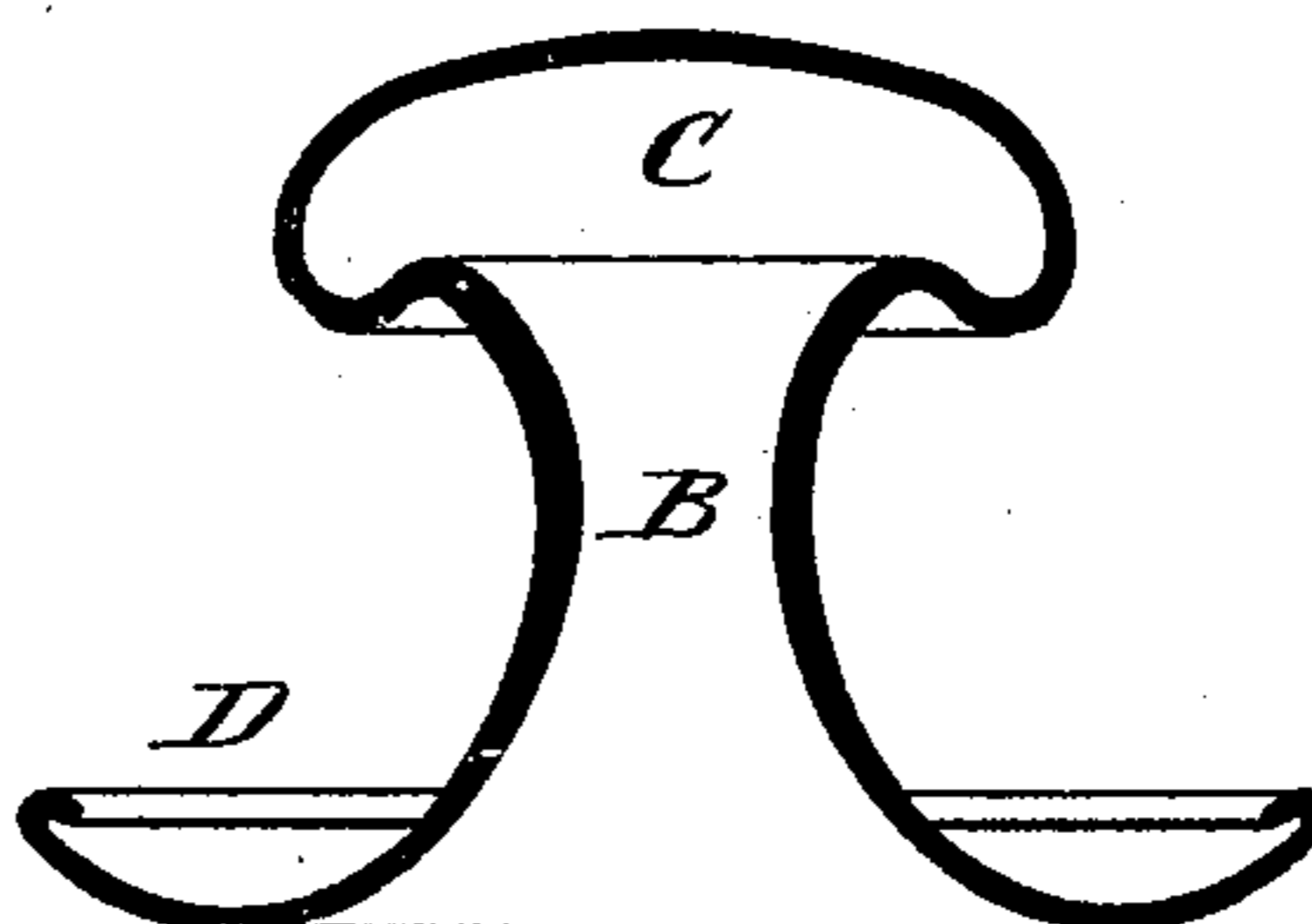


Fig. 5



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE KREMENTZ, OF NEWARK, NEW JERSEY.

COLLAR-BUTTON.

SPECIFICATION forming part of Letters Patent No. 298,303, dated May 6, 1884.

Application filed December 14, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE KREMENTZ, of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Collar-Button, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved collar-button which is simple in construction, strong, and durable.

The invention consists in a collar-button having a hollow head and stem, the said button being formed and shaped out of a single continuous plate of sheet metal.

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

Figure 1 is a side view of my improved collar-button. Figs. 2, 3, 4, and 5 are cross-sectional elevations of the same in the different stages during the operation of making it.

The collar-button is made of a single piece of metal, without soldering or joints, and the stem or shank as well as the head is hollow.

By means of suitable dies a metal plate is pressed into the shape shown in Fig. 2—that is, the plate is provided with a hollow stem, B, the sides of which are pressed together at about the middle, in some suitable manner, to form a head, C, at the end of the stem, as in Fig. 3; then the head is pressed toward the base plate or back, D, whereby the head will be upset, and will have the shape shown in Figs. 4 and 5. By this operation the head is hardened. The base plate or back D is then rounded out and finished, and its edge is turned over, as shown in Fig. 5. By finishing the back or plate it is hardened. All the parts of the button are thus hardened and will not wear off rapidly. As no parts are soldered together or connected otherwise, there

is no danger of parts breaking off or becoming detached otherwise. Collar-buttons, sleeve-buttons, and other like buttons can be made in the manner herein described.

I am aware that a busk-fastening having a base, tubular shank, and a solid head has been struck up from a single piece of sheet metal; also, that a collar-button has been formed with the base and closed tubular shank in a single piece, and having a head soldered to said shank after its closed end has been cut off; and I do not desire to claim such constructions as of my invention. My invention is designed to improve said constructions by forming a hollow head, a hollow stem, and a base from a single piece of struck-up sheet metal. The hollow head is much stronger than one formed solid and flat in the form of a flange, and the advantage of my construction over the button made of two parts is of course apparent at a glance. The objection to this latter class of buttons is that the heads bend on the tubular stems and expose their point of connection, and the heads will break off; and, furthermore, they are objectionable owing to the greater expense required in their manufacture, as skilled labor is required in soldering the parts together and in properly tempering them.

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

A collar or sleeve button having a hollow head and stem, the said head, stem, and the base plate or back of the said button being shaped and made of a single continuous piece of sheet metal, substantially as herein shown and described.

GEORGE KREMENTZ.

Witnesses:

OSCAR F. GUNZ,
C. SEDGWICK.