

(No Model.)

D. BLOCK.

GRATER.

No. 314,645.

Patented Mar. 31, 1885.

Fig. 4

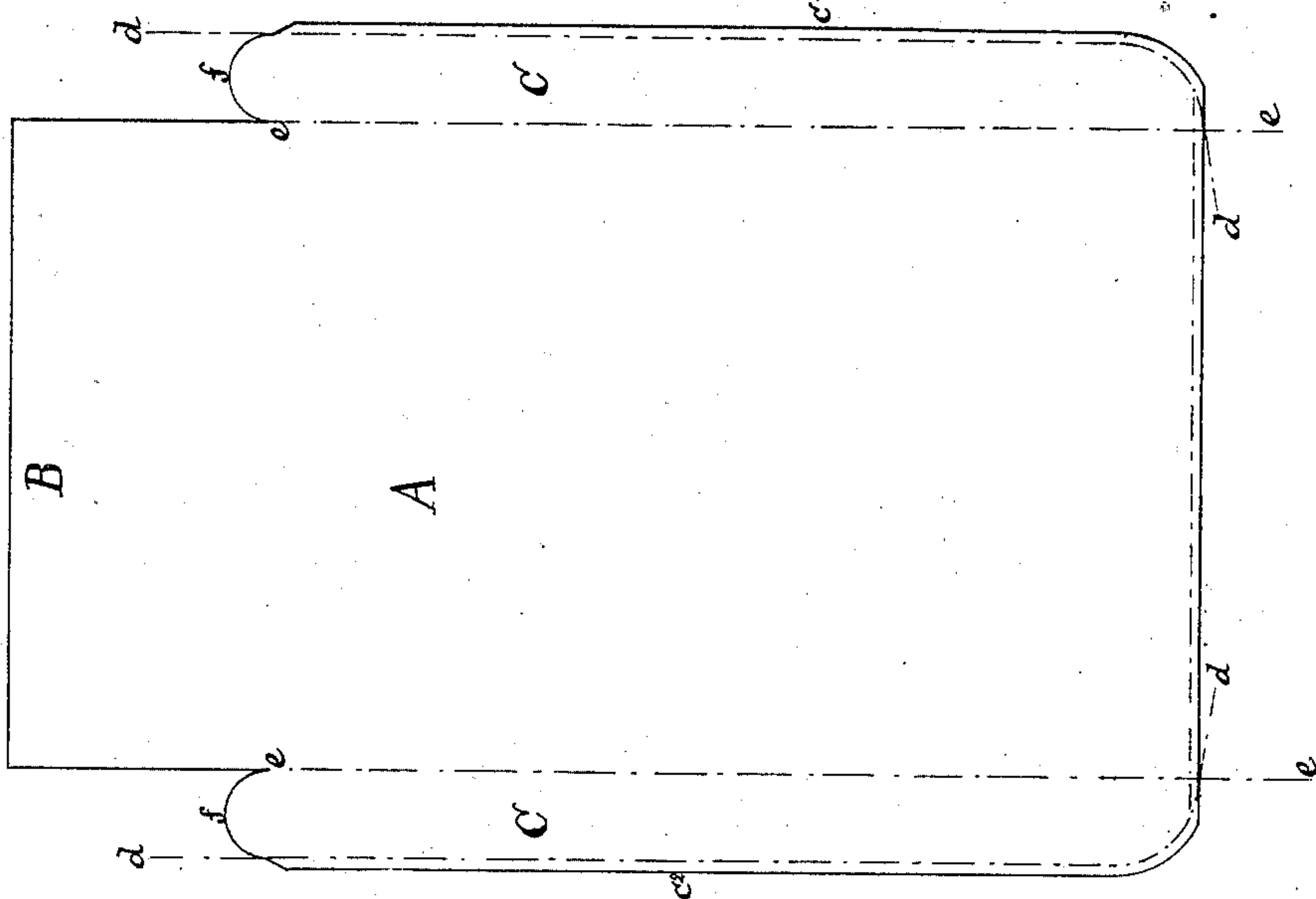


Fig. 3

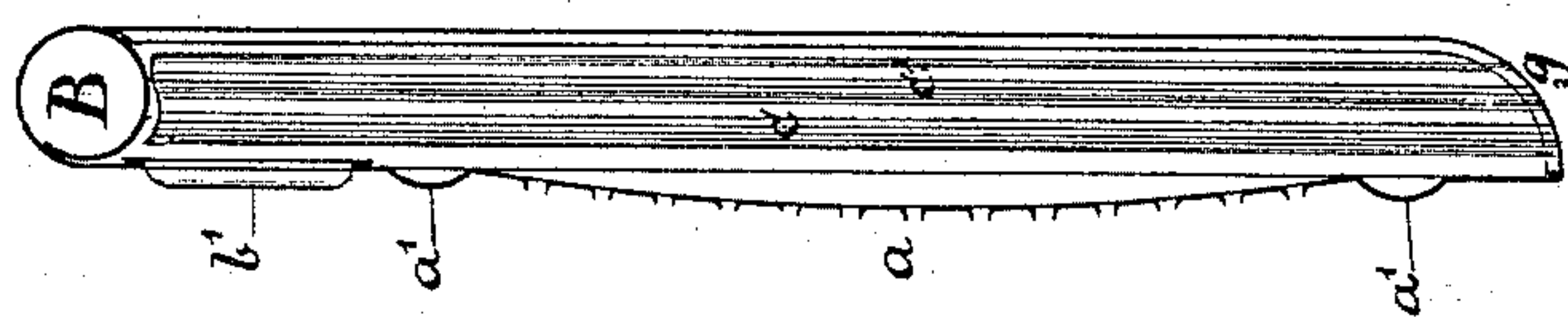


Fig. 1

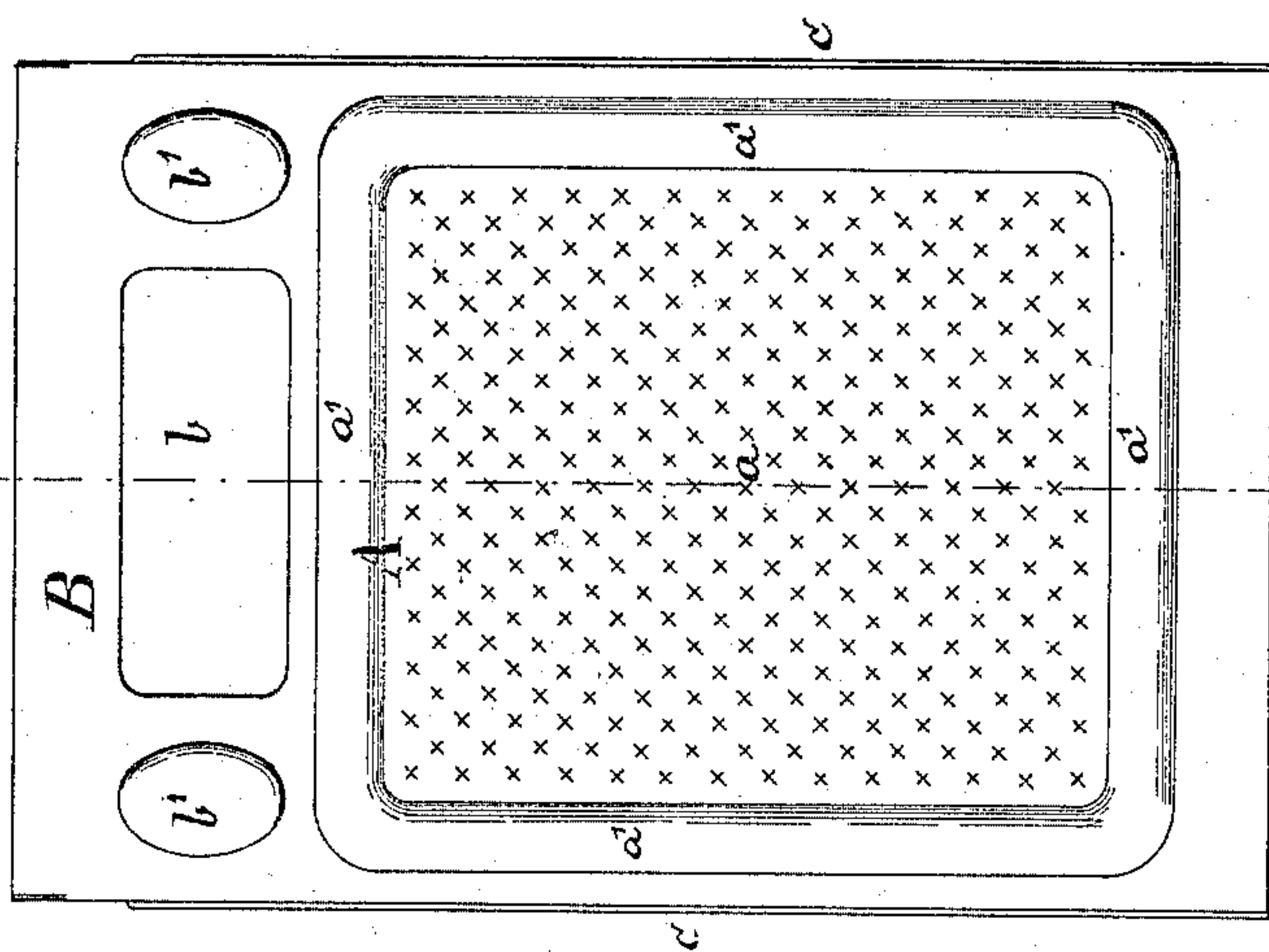
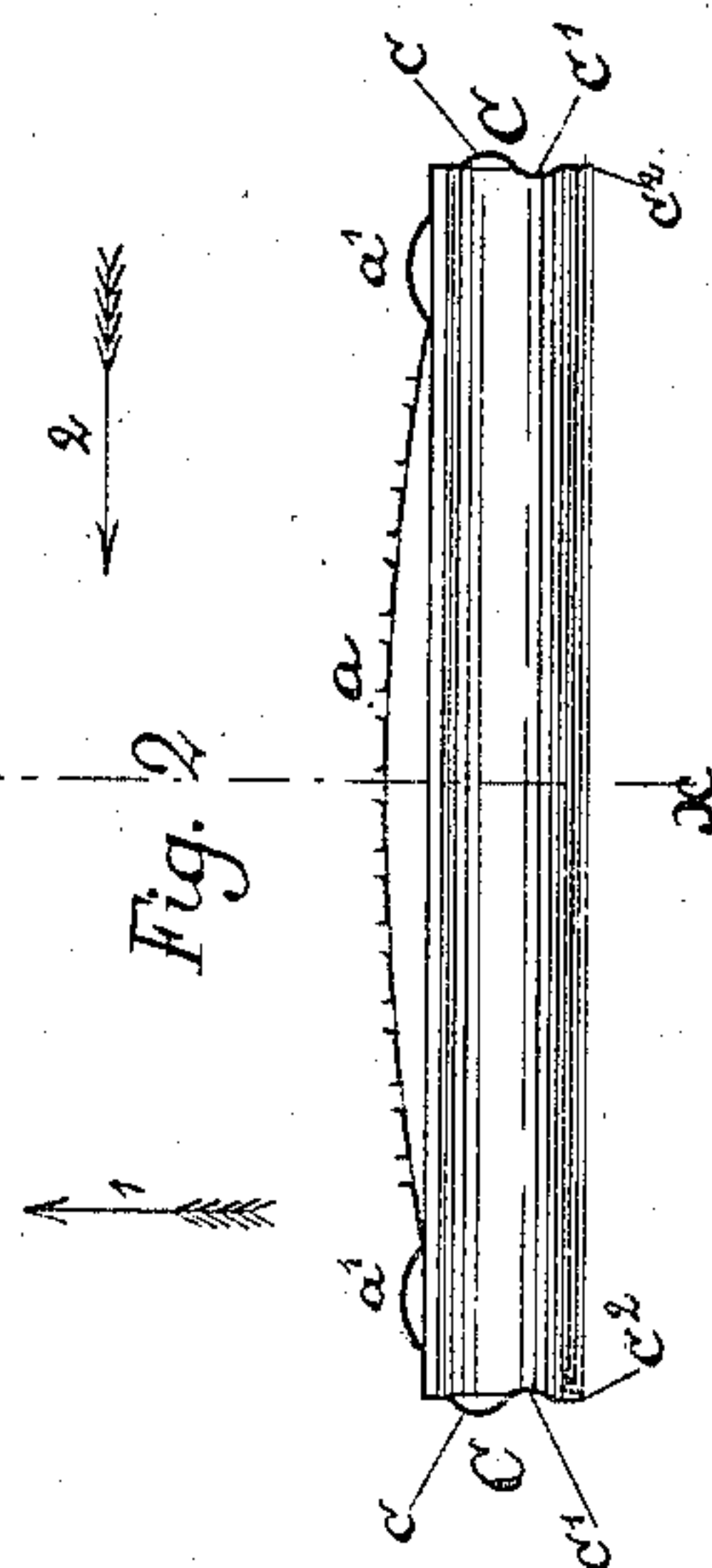


Fig. 2



Witnesses:

C. V. Heljethand
A. C. Croseman.

Inventor:

David Block
by A. M. Almqvist
Attorney

UNITED STATES PATENT OFFICE.

DAVID BLOCK, OF NEW YORK, N. Y.

GRATER.

SPECIFICATION forming part of Letters Patent No. 314,645, dated March 31, 1885.

Application filed October 23, 1884. (No model.)

To all whom it may concern:

Be it known that I, DAVID BLOCK, a citizen of the United States, and a resident of New York, in the county and State of New York, have invented certain new and useful Improvements in Graters, of which the following is a specification.

My invention has for its object to provide an improved grater of neat, strong, and durable construction, comfortable to handle, and more especially adapted for medium or large sizes. It is an improvement on a previous invention patented to me June 11, 1878, by Letters Patent No. 204,791.

The invention will be hereinafter described, and specifically pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 represents a face view of my improved grater. Fig. 2 is an end view seen in the direction of arrow 1. Fig. 3 is a longitudinal section taken on the line xx of Figs. 1 and 2, and seen in the direction of arrow 2. Fig. 4 shows the shape of one of the tinned-iron blanks from which the grater is made.

A is the main part or body provided with convex grating-surface a , surrounded by a bead, a' . Above is a handle, B, and an opening, b , between the said handle and the bead a' , to facilitate the holding of the grater by putting the fingers through the said opening b while grasping the handle B. An oval bead, b' , intended, like the bead a' , as well for ornament as strength, is raised upon the body-plate A at the ends of the opening b .

With the exception of the beads and the convex grating-surface before mentioned, the body A is flat, instead of being curved or partly cylindrical, as in graters heretofore made, and, to strengthen it against the pressure brought upon its surface in grating, it is provided along both sides with a flange, C, which, again, for the sake of strength and ornamentation, is corrugated longitudinally, or provided with beads $c c'$, raised on opposite sides upon the said flange.

The flanges C C and the handle B may of course be made separately and soldered to the body A; but I prefer making the entire grater out of one piece of metal, for which purpose a sheet-metal blank is cut of about the shape shown in Fig. 4.

In order to make the edges c^2 of the flanges C C strong and smooth, the edges c^2 of the blank are turned over along the lines $d d$ and folded upon the blank after stamping the raised portions. The flanges C are then formed by turning the edges of the blank along the lines $e e$ at right angles to the body A. The upper extension from the body A, above the semi-circular upper ends, f , of the flanges C, is then rolled into tubular shape, such as shown in Fig. 3, in order to form a round handle, and its circular ends are then soldered to the side flanges, C, at and in continuity with the circular edges f .

In order to present no sharp corners against the surface upon which the grater is rested when used, the lower ends of the flanges C are rounded off at g .

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

1. A grater consisting of the body A, having an abrasive surface, a , the opposite side flanges, C, at about right angles to the said body, and the coiled handle B, secured with its ends to the said flanges.

2. A grater in a single piece, consisting of the body A, having an abrasive surface, a , side flanges, C, bent at an angle to the said body, and turned in and forming the handle B.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 18th day of September, 1884.

DAVID BLOCK.

Witnesses:

A. W. ALMQVIST,
A. C. CROSSMAN.