

(No Model.)

D. S. BUCK.
CHERRY STONER.

No. 275,353.

Patented Apr. 10, 1883.

Fig. 1.

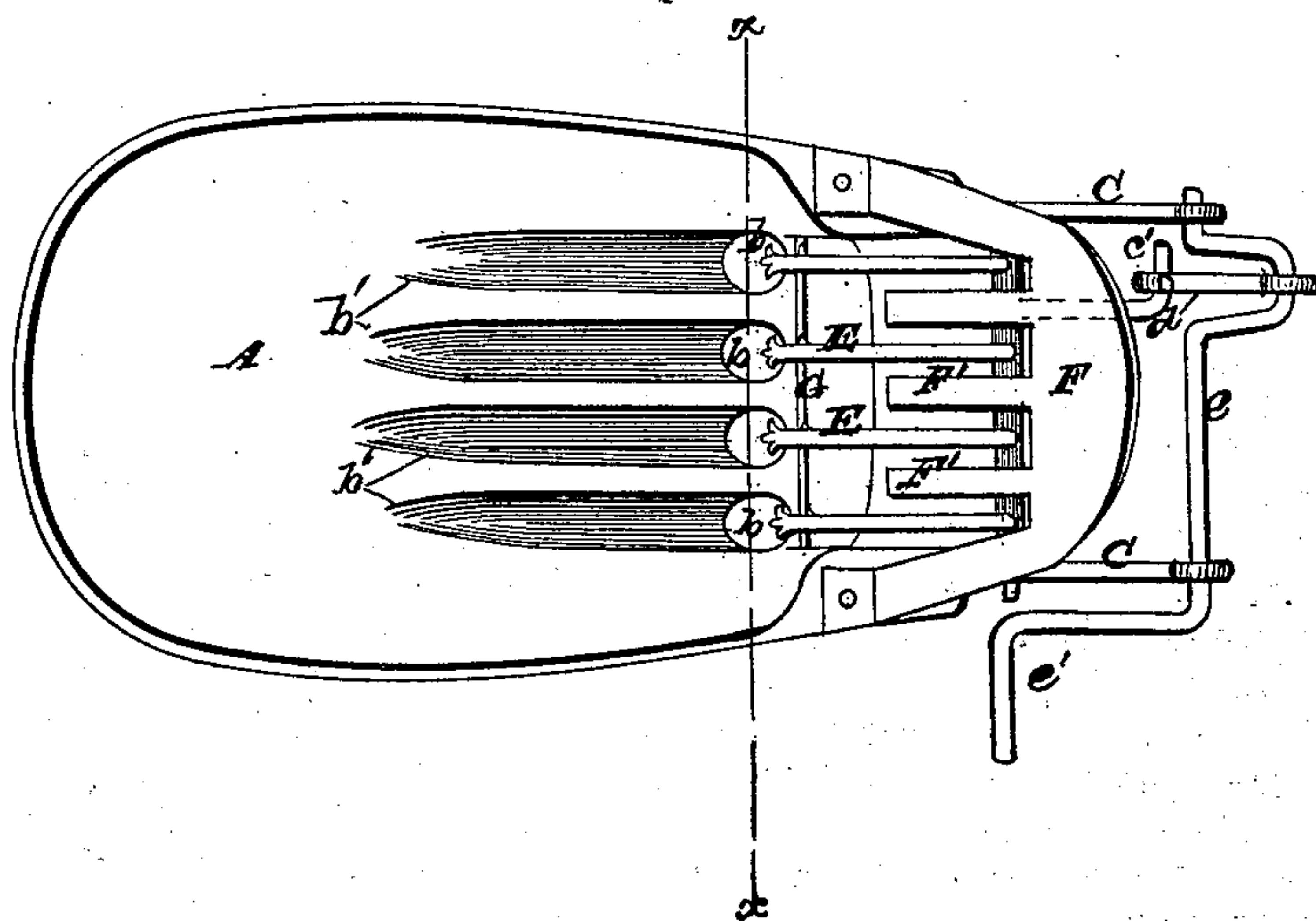


Fig. 2.

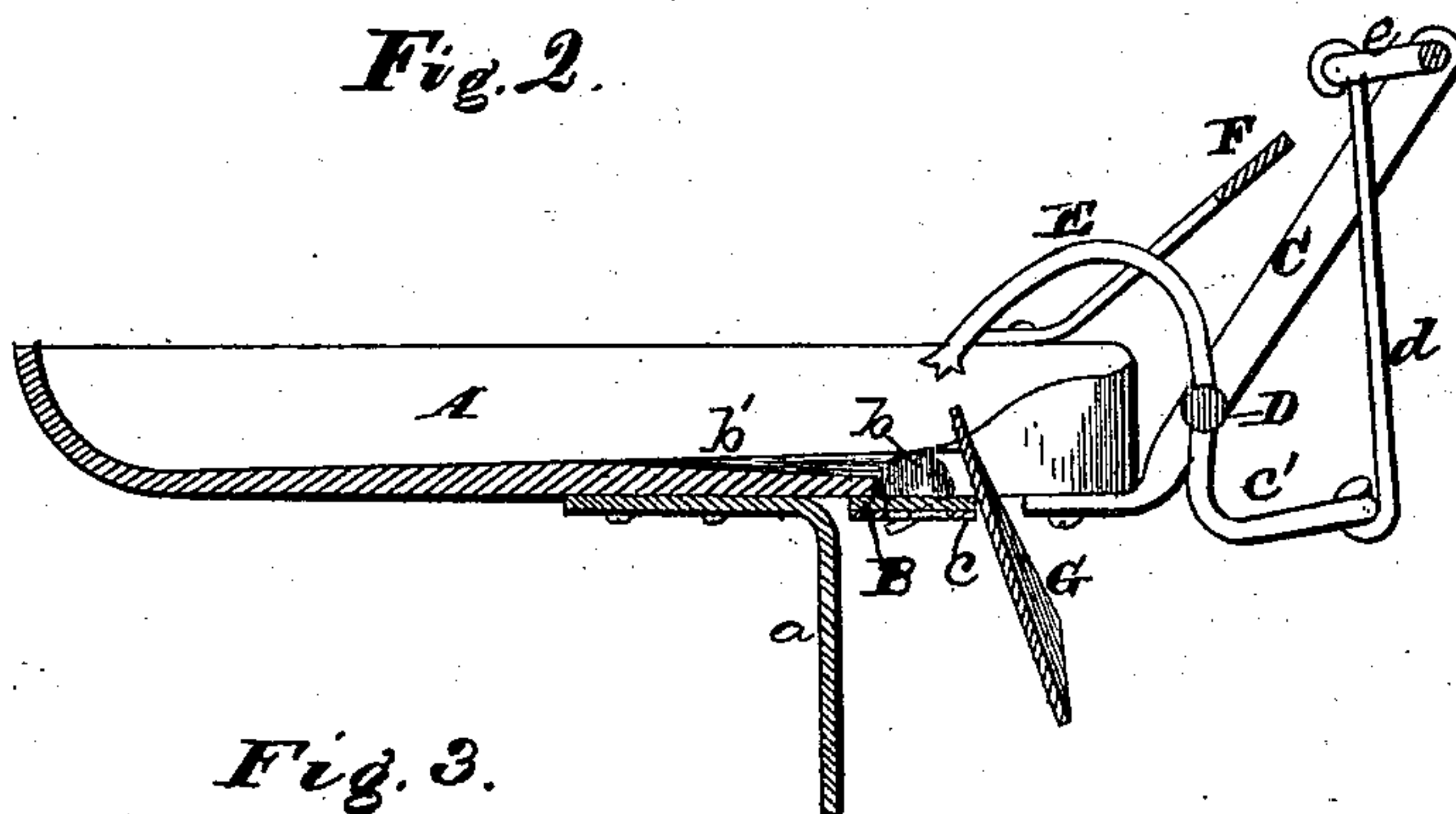
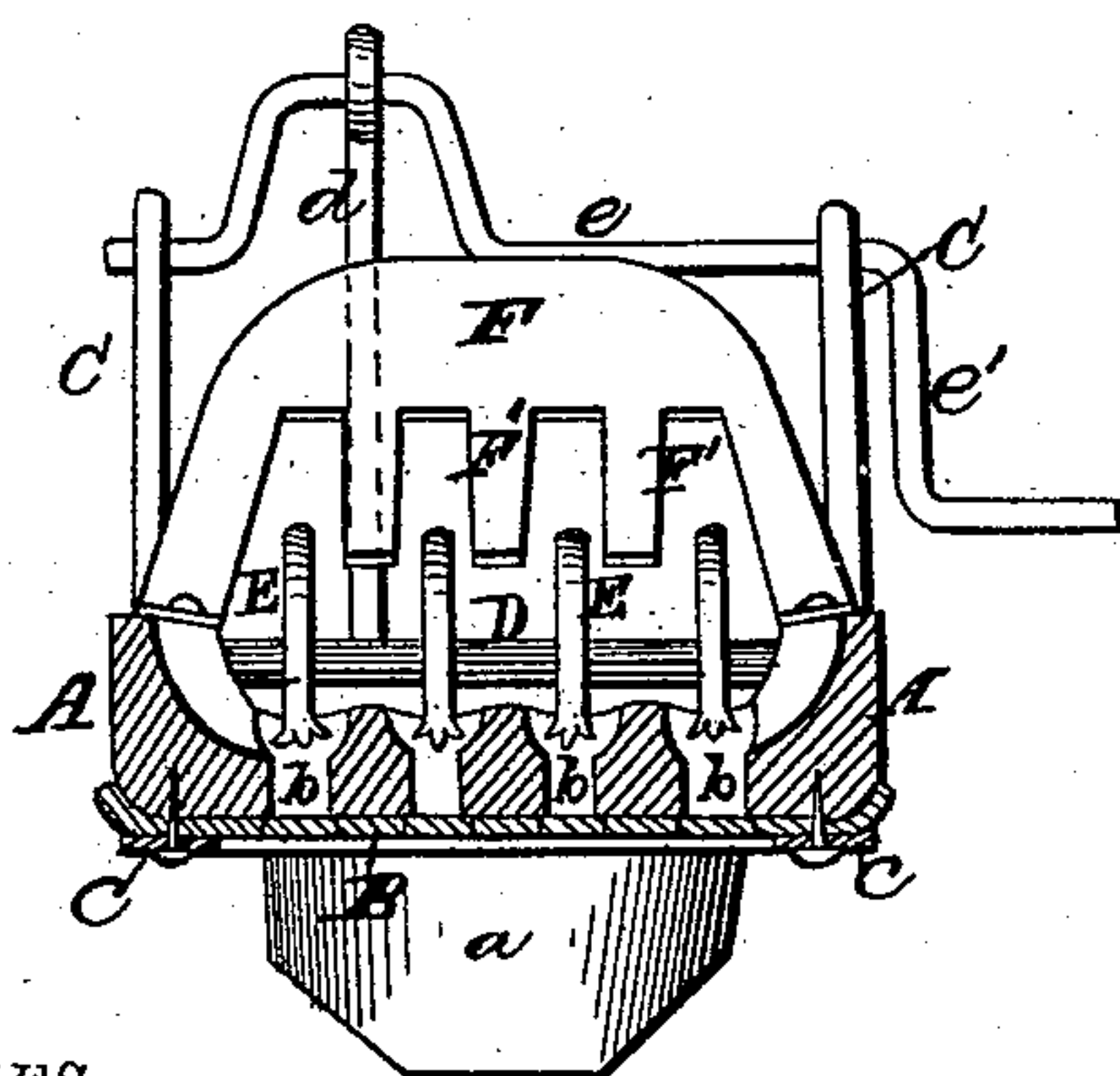


Fig. 3.



WITNESSES

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DAVID S. BUCK, OF MIDDLEVILLE, MICHIGAN.

CHERRY-STONER.

SPECIFICATION forming part of Letters Patent No. 275,353, dated April 10, 1883.

Application filed September 9, 1882. (No model.)

To all whom it may concern:

Be it known that I, DAVID S. BUCK, a citizen of the United States, residing at Middleville, county of Barry, State of Michigan, have
5 invented certain new and useful Improvements in Cherry-Pitters, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to an improvement in
10 cherry-pitters, and has for its object to effect the ready and efficient pitting of the fruit; and it consists in the combination and construction of parts, substantially as hereinafter more fully set forth, and particularly pointed
15 out in the claim.

In the accompanying drawings, Figure 1 is a plan view of my improved cherry-pitter. Fig. 2 is a longitudinal section thereof, and Fig. 3 is a cross-section on the line *xx* of Fig. 1.

20 In carrying out my invention I employ preferably a tray-shaped receptacle, A, through which, in front of its securing-bracket *a*, is made a row of apertures, *b*, into which the cherries or fruit are fed, they moving in grooves
25 or channels *b'*, made in the bottom of the tray or receptacle and leading to the said apertures.

B is a piece of leather or flexible material arranged over the lower ends of the apertures *b*, and held against the bottom of the receptacle A by means of a metallic frame, *c*, and nails
30 driven through the frame and leather and into the receptacle-bottom. The leather B is slitted at coincident points with the apertures *b*, to permit the passage through it of the seed
35 while the pitting operation is being performed. The foregoing lettered parts are well known to the art.

C C are the obliquely-arranged uprights secured to the forward end of the tray, one at
40 each side thereof.

D is a shaft having its bearings in the uprights C. This shaft carries a series of arms, E, having bearded inner ends, said arms being curved and arranged to operate coincidently with the position of the apertures *b*.
45 One of said arms has a downward-curved and

horizontal extension, *c'*, whereby a connection between the shaft D and the crank-shaft *e*, having handle *e'* and supported in the upper ends of the uprights C, is effected by means of the
50 connecting-rod or pitman *d*, looped around a right-angled extension of the arm-extension *c'* and around a crank or bail of the shaft *e*.

F is a frame, with its side bars fastened to the upper edge of the tray A at a point a little
55 forward of a vertical plane passing through the apertures *b* of the tray A, said frame having a series of spaced-apart fingers or cleaners, F', up between which the pitters or arms E rise, with the adhering fruit, after the re-
60 moval of the seed, to cause the pushing of the fruit off said arms, whence it falls upon the board or incline G, and from thence passes into a suitably-placed vessel. Said board or incline is fastened to the bottom of the recepta-
65 cle or tray A about in the same vertical plane with the fingers or cleaners F'.

I am aware that it is old to employ a tray or receptacle having a grooved bottom provided with flexibly-covered openings or aper-
70 tures, said flexible cover being slitted coincidently with the apertures, combined with a cleaner, pitter-arms, and operating mechanism.

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

In a cherry-pitter, the combination, with the tray or receptacle A, having seed-apertures in its bottom, and a fingered cleaner, F F', of the bearded pitter-arms E, fixed to the shaft D,
80 bearing in the inclined uprights C C, one of said arms having an extension, *c'*, the rod *d*, and the handled crank-shaft *e e'*, substantially as and for the purpose specified.

In testimony whereof I affix my signature, in
85 presence of two witnesses, this 28th day of August, 1882.

DAVID S. BUCK.

Witnesses:

GEO. L. SANDFORD,
C. D. BARRELL.