

F. W. EVANS.
JEWEL OR TOILET SET BOX.

No. 371,182.

Patented Oct. 11, 1887.

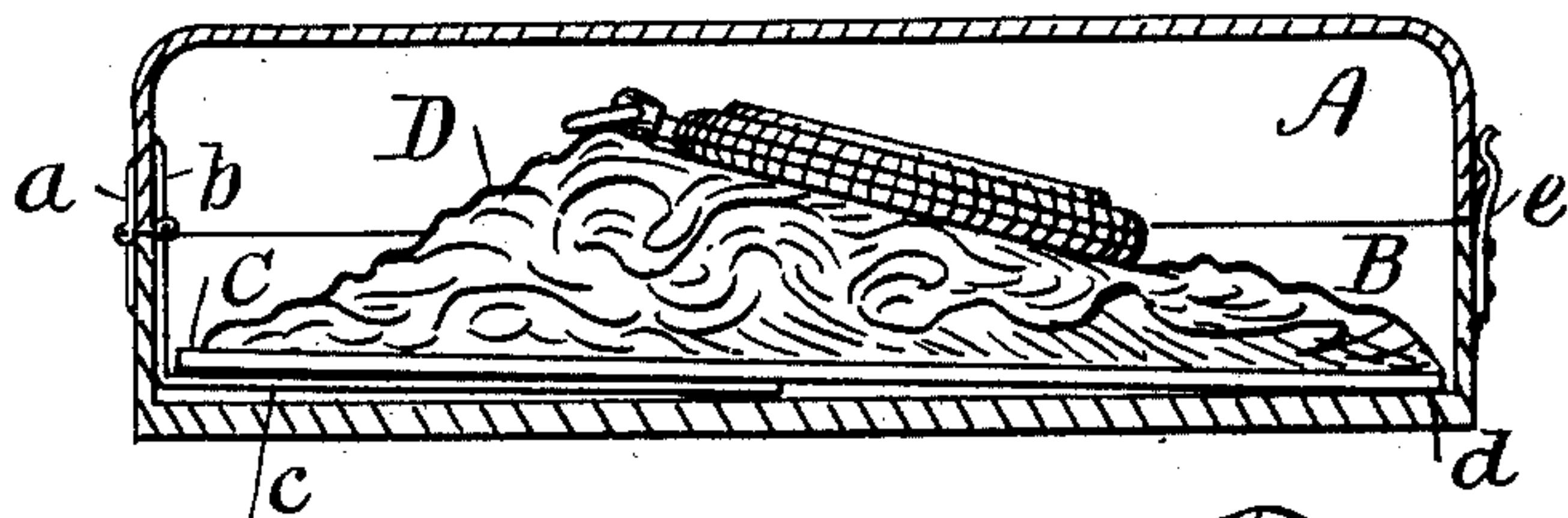


Fig. 1.

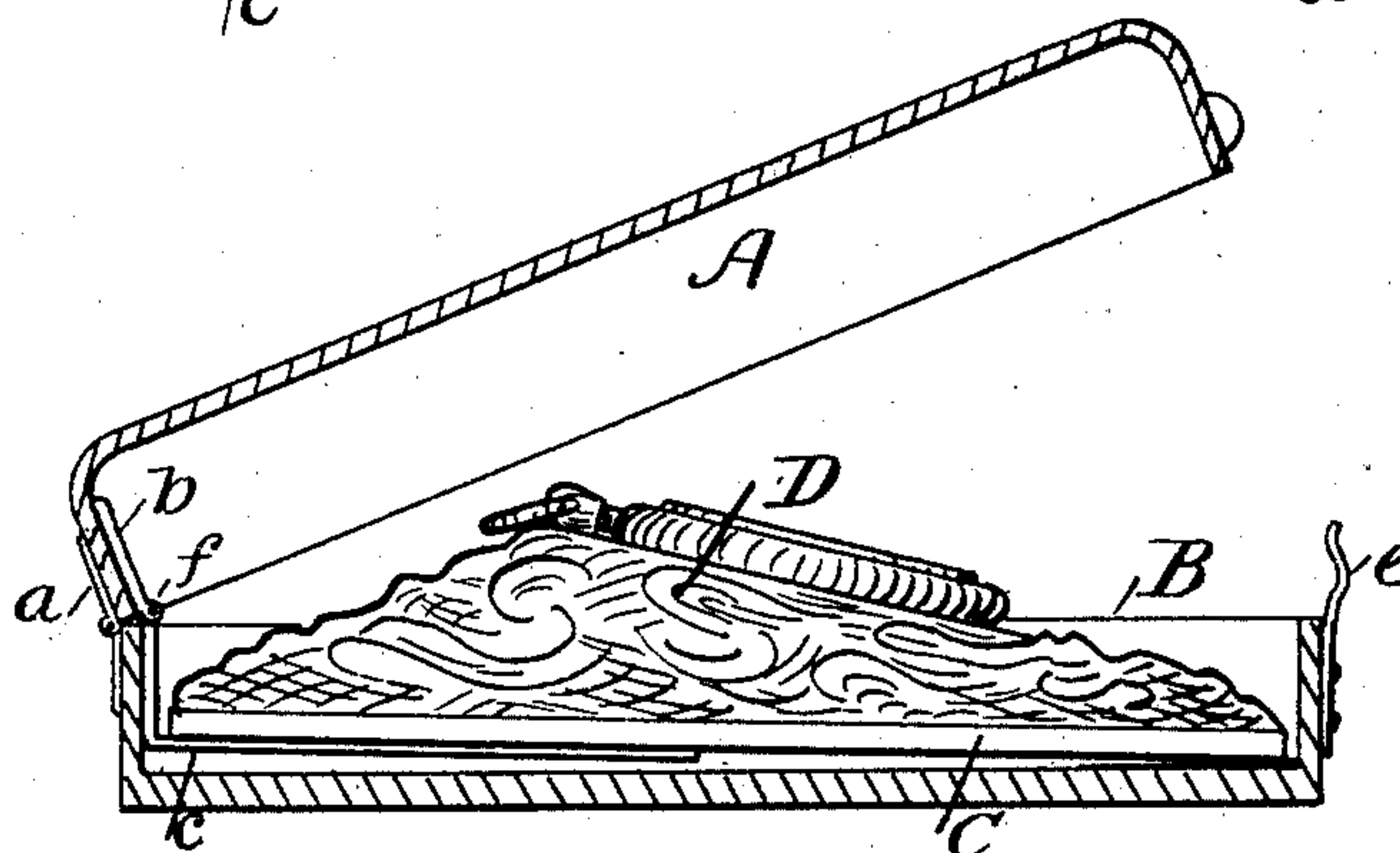


Fig. 2.

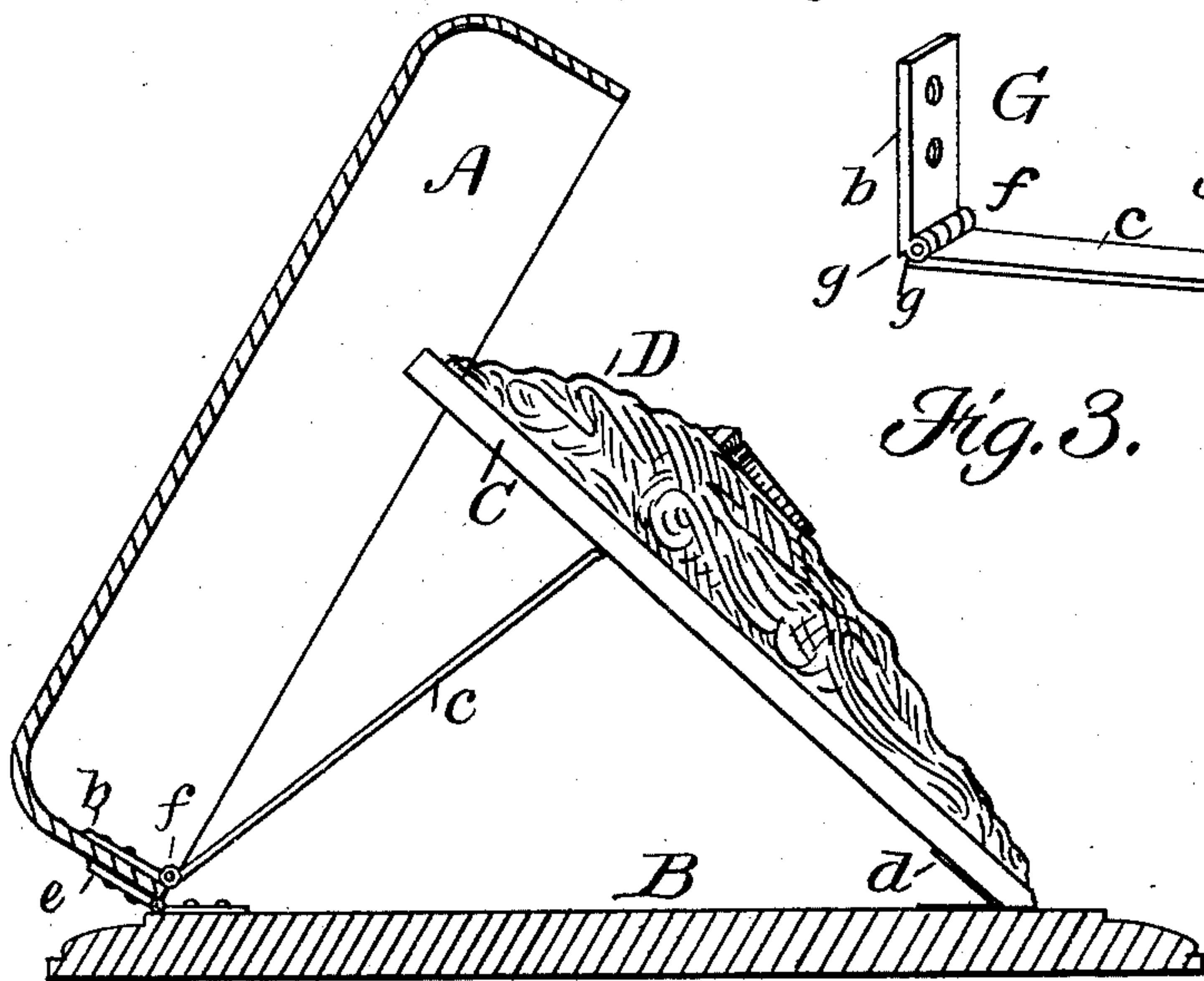


Fig. 3.

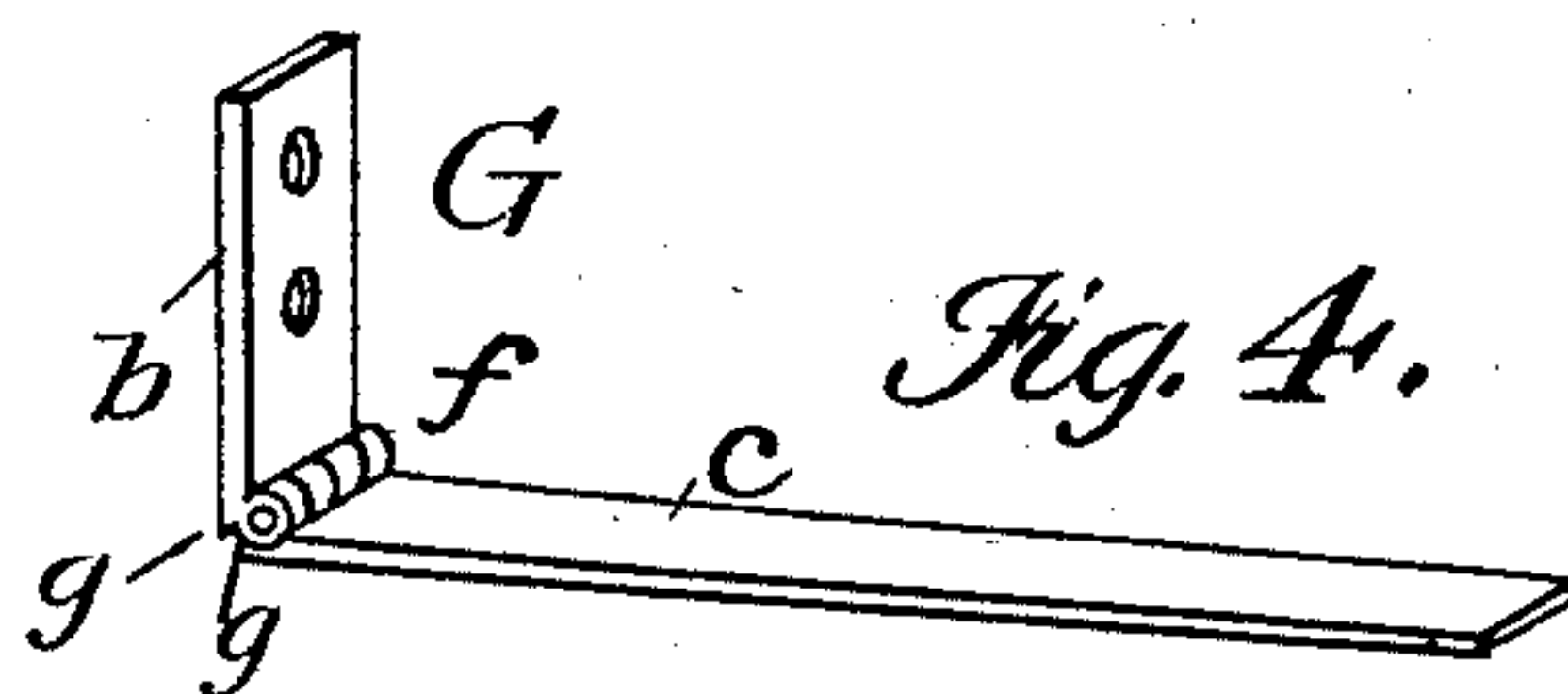


Fig. 4.

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Inventor,
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by his Attorney
Geo. Willis Pierce,

(No Model.)

2 Sheets—Sheet 2.

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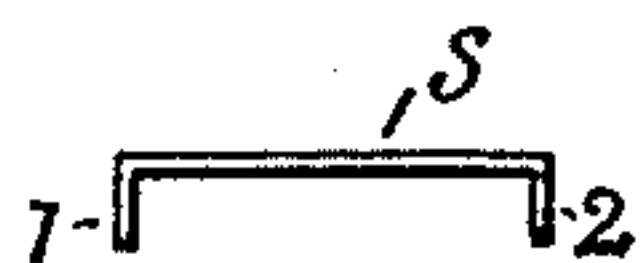
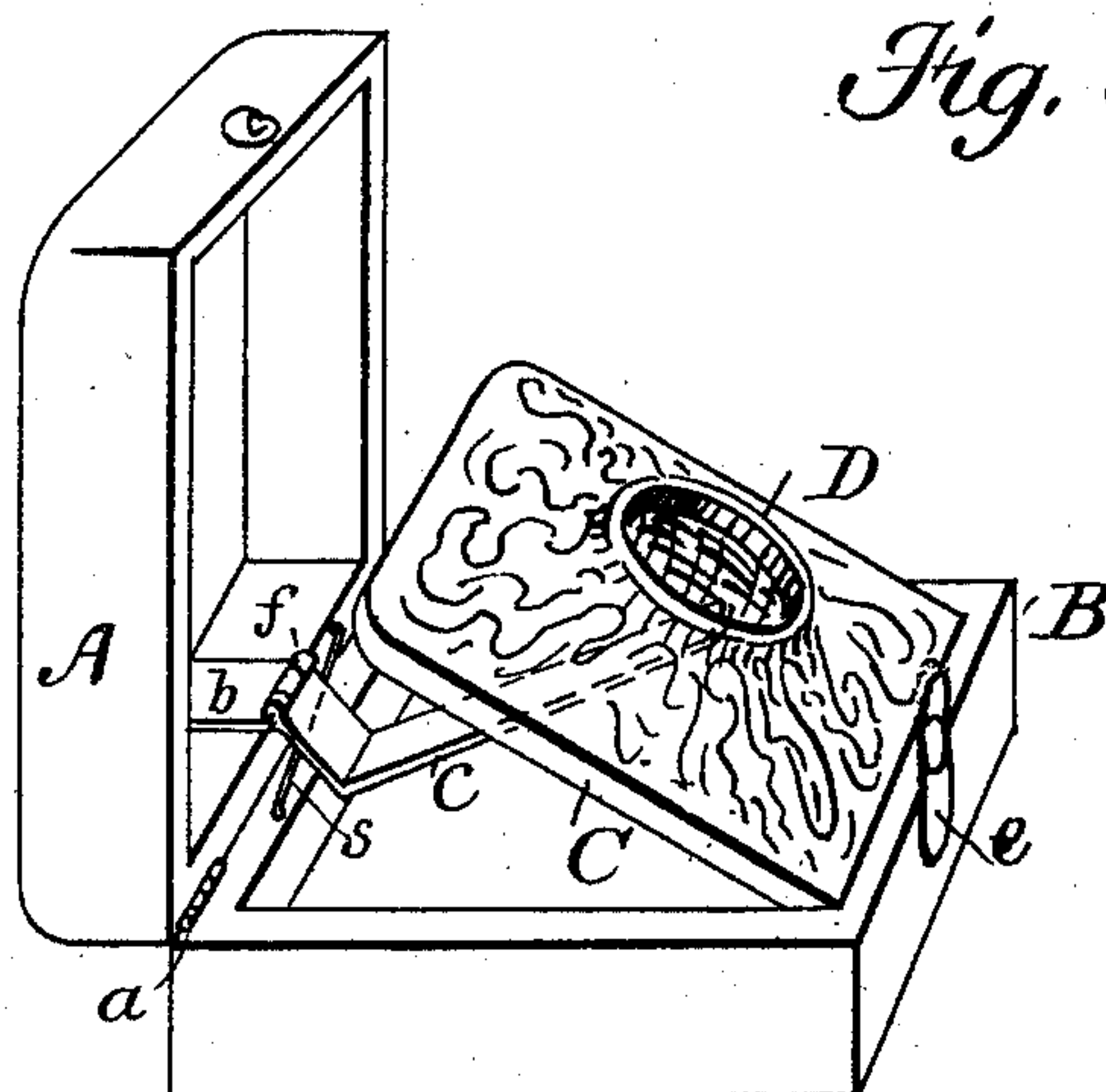


Fig. 6.

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Wm. Berthold,
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Inventor
Frank W. Evans
by his attorney
Geo. Willis Pierce

UNITED STATES PATENT OFFICE.

FRANK W. EVANS, OF NEWBURYPORT, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO JOHN M. CARTER, OF SAME PLACE.

JEWEL OR TOILET-SET BOX.

SPECIFICATION forming part of Letters Patent No. 371,182, dated October 11, 1887.

Application filed January 17, 1887. Serial No. 224,545. (No model.)

To all whom it may concern:

Be it known that I, FRANK W. EVANS, of Newburyport, in the county of Essex and State of Massachusetts, have invented certain Improvements in Jewel or Toilet-Set Boxes, of which the following is a specification.

This invention relates to jewel and toilet-set boxes, and has for its object to provide new and improved means whereby a box shall be capable of closing into the smallest space or capacity with its contents, and at the same time produce the appearance, when open, of a larger box and display the contents to good advantage, both for an attractive appearance and for convenience of access to the same, all of which I will now proceed to describe and claim.

Of the drawings forming a part of this specification, Figure 1 is a section of a jewel-box in a closed position. Fig. 2 represents the same partially open, and Fig. 3 shows a box wholly open. Fig. 4 is a perspective view of the raising-lever. Fig. 5 is a perspective view of a jewel-box embodying my invention, and showing a spring near or between its hinges for the purpose of automatically raising the lid of the box when the fastening of the same is released, the raising-lever also being shown; and Fig. 6 is a view of the spring detached from the box.

In an ordinary jewel-box the puffed field upon which reposes the watch, ring, or other jewelry is built up at an angle to the base, making it necessary to form the lid or cover quite high.

In my invention the wrinkled or puffed field D is built up at a slight angle with the base A of the box, and is flexibly attached thereto at its front by means of a hinge, *d*, made of cloth and glued to the under side of the base C of the field D and to the base B. (Shown fully in Fig. 3.) The cover A is secured to the base B by one or more hinges, *a*, at the rear of the box, in the usual manner. On the inner rear side of the box-lid is secured the upper leaf of a hinged raising-lever, G, the center line of its hinge being about on the line of separation of the lid and base. The lower leaf, *c*, of the lever G extends (in the form of box shown in Figs. 1 and 2) downwardly to nearly the bottom of the base B, when it bends at about a

right angle and extends under the puffed field, as shown.

In the platform style of box shown in Fig. 3 there is no bend in the lower leaf of the lever G. It extends immediately under the field D. The joint *f* of the lever G is constructed to open a certain distance, when the abutments *g g* on the rear of the joint will strike each other and prevent any further opening, the object being to allow a certain time in the opening of the box before the lever-leaf *c* of the lever G will commence to raise the field D; otherwise the top of the field would strike against the under side of the lid A and prevent the box being opened.

The lever G is so timed at its hinge *f* that the lid is partially raised, as shown in Fig. 2, before the abutments *g g* strike against each other. When the lid has been raised, as described, the abutments *g g* strike against each other, and both lid-lever G and field rise together and in opposite directions, away from each other, until the box is fully open, as shown in Fig. 3.

Fig. 4 shows a perspective view of the form of lever used with the platform style of box. I employ, ordinarily, but one lever G in a box, in which case it is placed centrally of its width. In large boxes I employ two or more.

In Fig. 5 I show the lever G combined with a spring for automatically raising the lid of the box, and thus automatically raising the field D. The spring shown, preferably, is of a well-known form, consisting of a piece of spring-metal wire, *s*, having its ends bent at right angles, as 1 and 2, Fig. 6. One of the bent ends is forced into the top of the base B. The other is turned at right angles and forced into the under side of the cover A, as shown in Fig. 5. When closed, the spring is under torsion and relieves itself when the catch *e* is sprung off. Any other form of spring may be used that will effect the desired result. An ordinary snap-fastening, *e*, is shown to hold the lid down, composed of a spring secured to the base B and a button on the lid A, over which the curved end of the spring snaps. When the spring is released, the spring *s* forces the lid up automatically at the same time the lever G carries up the field D, so that both the lid A

and the puffed field D are automatically raised. When the lid A is raised by hand, the movements are the same. The lid is raised to a position to allow the field to be raised without striking the lid, the joint *f* of the lever G being timed to allow this to take place when the lever becomes rigid and raises the field D.

I claim as my invention—

1. In a jewel or toilet-set box, the combination, with the base and lid thereof, of the field hinged to the base, as described, and the timed hinged raising-lever attached to and moving with the lid, substantially as described.

2. In a jewel-box, the combination, with the base and an automatically-opening lid therefor, of the field hinged to the base and the timed hinged raising-lever attached to and moving with the lid, substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 14th day of January, 1887.

FRANK W. EVANS.

Witnesses:

PERRY L. DAME,
W. T. HUMPHREYS.