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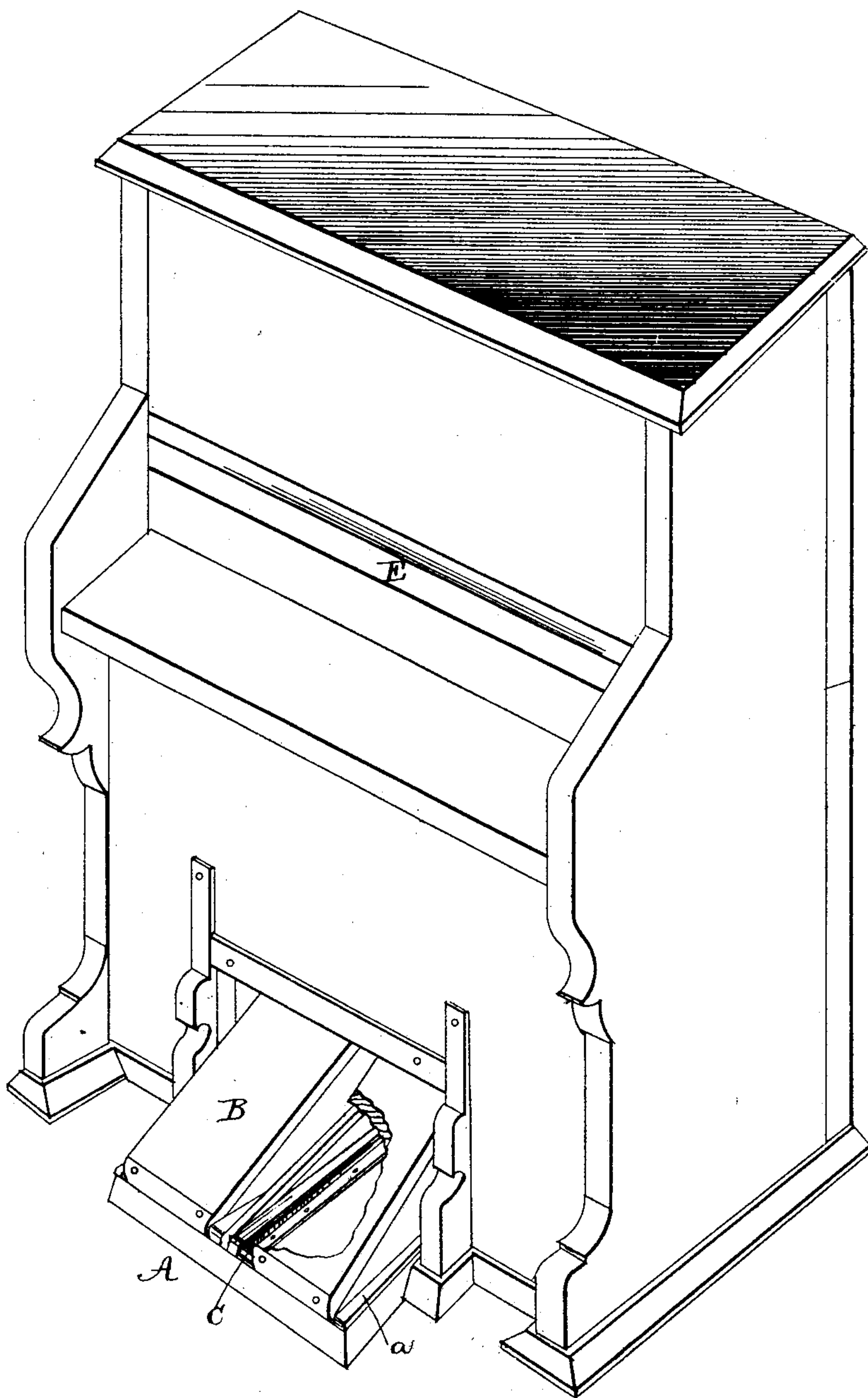
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S. B. J. BRYANT.
ORGAN CASE AND PEDAL.

No. 255,410.

Patented Mar. 28, 1882.

Fig. 1.



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(No Model.)

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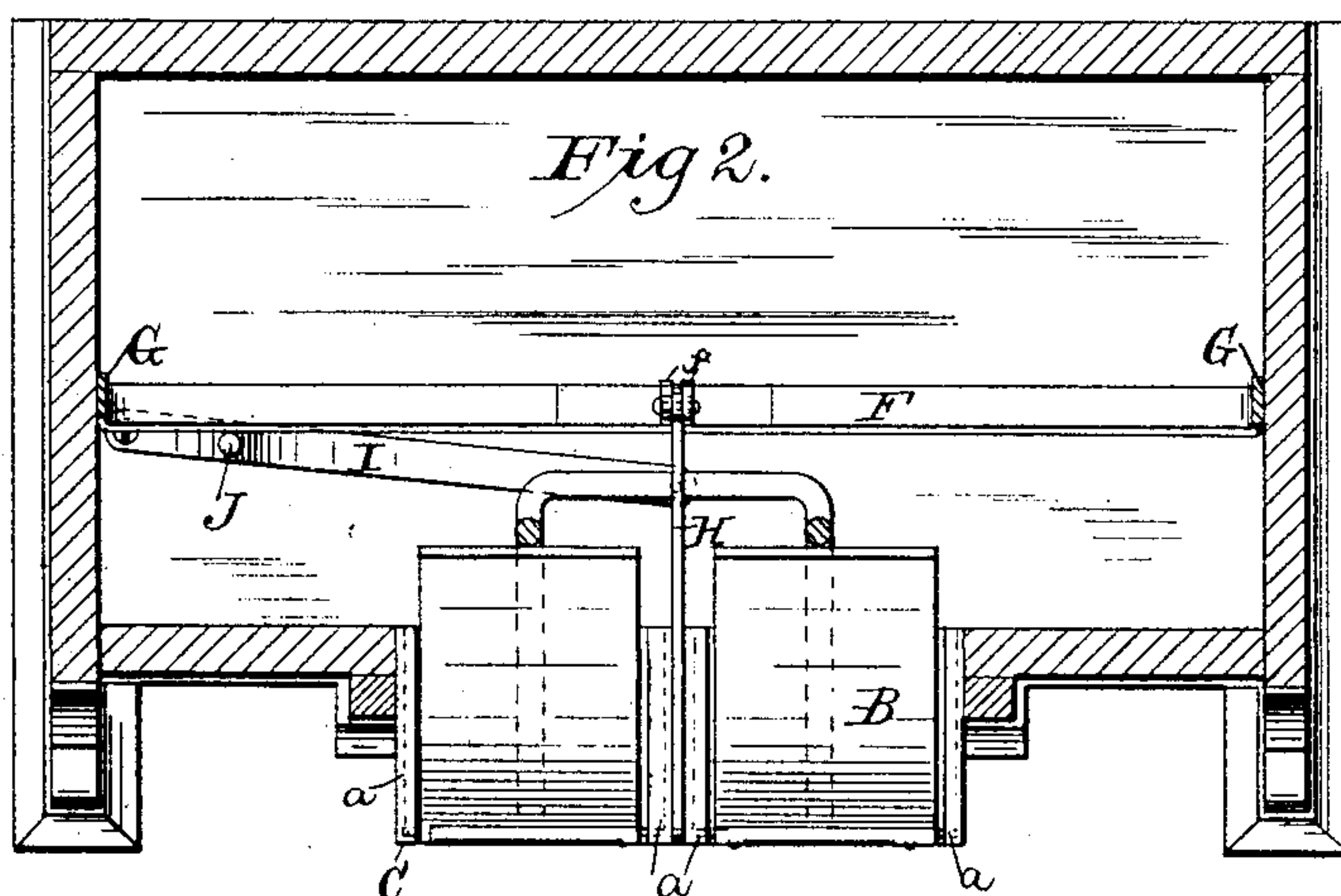
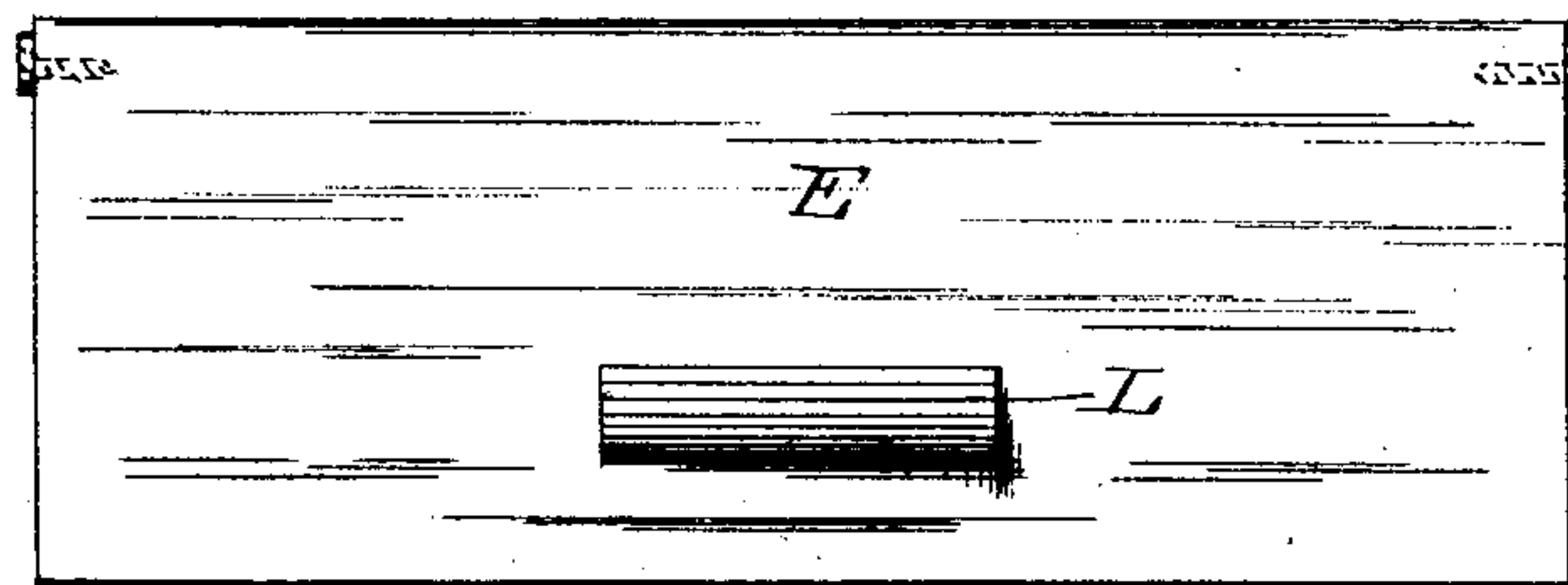


Fig. 3.



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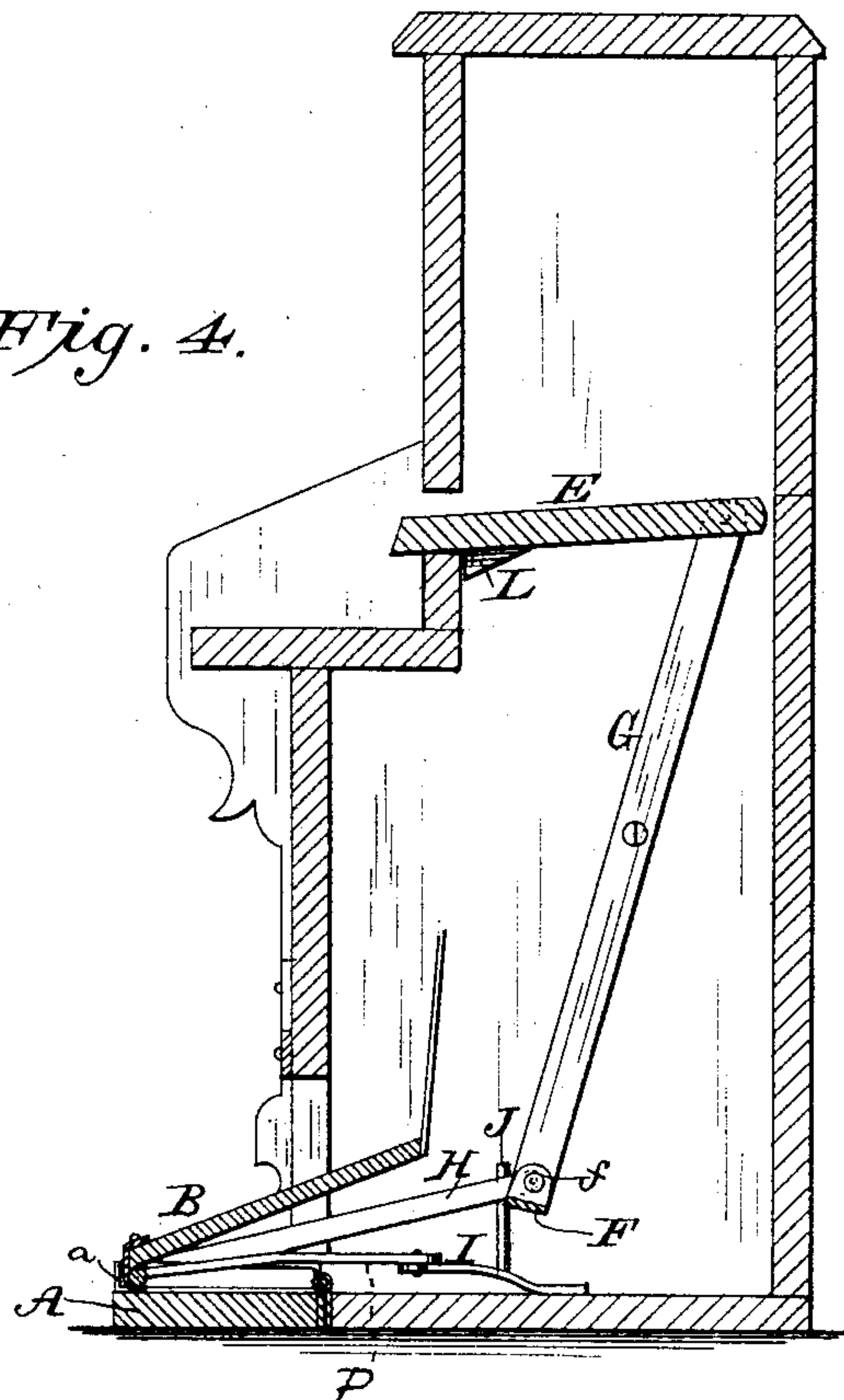
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Fig. 4.



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UNITED STATES PATENT OFFICE.

SILAS B. J. BRYANT, OF ATLANTIC, IOWA.

ORGAN CASE AND PEDAL.

SPECIFICATION forming part of Letters Patent No. 255,410, dated March 28, 1882.

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

To all whom it may concern:

Be it known that I, SILAS B. J. BRYANT, a citizen of the United States, residing at Atlantic, in the county of Cass and State of Iowa, have invented certain new and useful Improvements in Organ-Cases and Organ-Pedals; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to certain improvements in cases and pedals for organs and melodeons, to be hereinafter more fully described; and it consists in certain improvements upon the present means of operating or actuating a door to prevent the ingress of mice and other vermin to the instrument, which frequently cause much damage to the interior parts of the same.

In the ordinary arrangement of organ-pedals there is space around and above the pedals through which vermin can enter, and it is my purpose to so guard these parts that while the action will not be obstructed an effectual barrier against the entrance of mice, &c., shall be afforded.

My invention further consists in providing the back of the door to the pedal-opening with grooves or slots and placing pins or projections on each side of the end of each pedal, arranged to work in the grooves or slots in the door, whereby the pedals are rendered adjustable through the agency of a compound lever or series of levers extending from the pedals and the door to the lid or cover of the organ, so that when the cover of the organ is drawn forward to close it the pedals are drawn inside the case and the opening for the pedals closed by the door, and when the cover is raised or opened the door for the pedals is opened and the pedals advanced ready for use.

It consists, further, in providing a stop on the under side of the organ-lid to prevent the pedals from yielding or retracting while pumping the organ.

In the drawings, wherein the same parts are indicated by similar letters of reference in the

several figures, Figure 1 is a perspective view of the front of an opened organ having my improvements. Fig. 2 is a sectional view, showing the attachment and operation of the series of levers. Fig. 3 shows the stop on the inner side of the cover. Fig. 4 is a transverse sectional view of the case.

A is the door of the pedal-opening, attached by hinges to the bottom of the instrument, and designed to open downward. It is provided with the slots or grooves *a a* on its inner side, and B B are the pedals, having the projections C working in the slots *a a*, by which the connection is made and the action of the compound lever or series of levers is accomplished. This lever extends to and is connected with the cover E of the organ, which opens by sliding in, and as the cover is opened or closed the door to the pedals is in like manner actuated, so that when the organ is opened the pedals are brought forward into use, and when the cover is closed the pedals are retracted, and the door thereto closes and bars the entrance of vermin or dust.

The compound lever consists of a cross-bar, F, and two upright arms, G, extending up along the inner sides of the instrument, and they are attached at their ends by pivots to the inside of the organ-lid. The upright arms are also pivoted to the sides of the organ-case about midway of their length, so that as the organ-lid slides in or out in opening and closing the cross-bar F will move forward or backward a short distance above the bottom of the case. On the top and in the center of the cross-bar are two projections, *f*, between which is attached the end of a lever, H, which extends to the door of the pedal-opening, and is attached thereto. The pedals are advanced and retracted in the following manner: A bar, I, is attached at one end to the bottom of the case of the organ by a screw, so as to allow it to move backward and forward upon this screw as a pivot. This bar carries at its other extremity a rod of metal, P, bent nearly in the form of a horseshoe, and having its ends attached to the pedals. It is obvious that as the bar is moved forward the pedals will be pushed out into place for use. The bar I has a pin, J, just high enough to reach the cross bar F, and as the case is opened and

the cross-bar moved forward by the action of opening it will strike against the pin J and advance the pedals into place for use.

On the under side of the cover or lid E is the stop L. This is a small piece of wood or metal securely attached to the lid at such a point as to drop behind the board through which the stops pass, so as to hold it and prevent it from closing when the pedals are used in pumping.

In closing the organ the lever H lifts the door A and causes it to press against the ends of the pedals, and forces them back; but in opening the organ-lid the cross-bar F, in its forward movement, strikes against the pin J on the bar I, and that pushes the pedals forward into place.

I am aware that providing a door to close the pedal-opening in an organ or a melodeon for the purpose of excluding dust or vermin is old. Therefore I do not broadly claim such arrangement or device; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

1. The combination, in an organ or melodeon case, of the compound lever consisting of the cross-bar F and upright arms G, attached to the sides of the case, with the bar I, provided

with the pin J, the rod P, and the lever H, as shown and described.

2. In an organ or melodeon, the combination of the lid or cover E and the lever consisting of the cross-bar F and the upright arms G, with the bar I, pedals B, and door A, as shown and described.

3. The adjustable pedals B, having the projections C, in combination with the hinged door A of an organ or melodeon having slots or guides, as set forth.

4. The combination of the cover or lid E, having the stop L, with the stop-board to prevent the lid closing when the pedals are used in pumping.

5. The combination of the pedals B, provided with the projections C, working in the grooves or guides *a* in the door A, with the levers H and P, bar I, and lever F G, all as described, and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

SILAS B. J. BRYANT.

Witnesses:

D. D. WILSON,
W. L. GOOKINS.