

(No Model.)

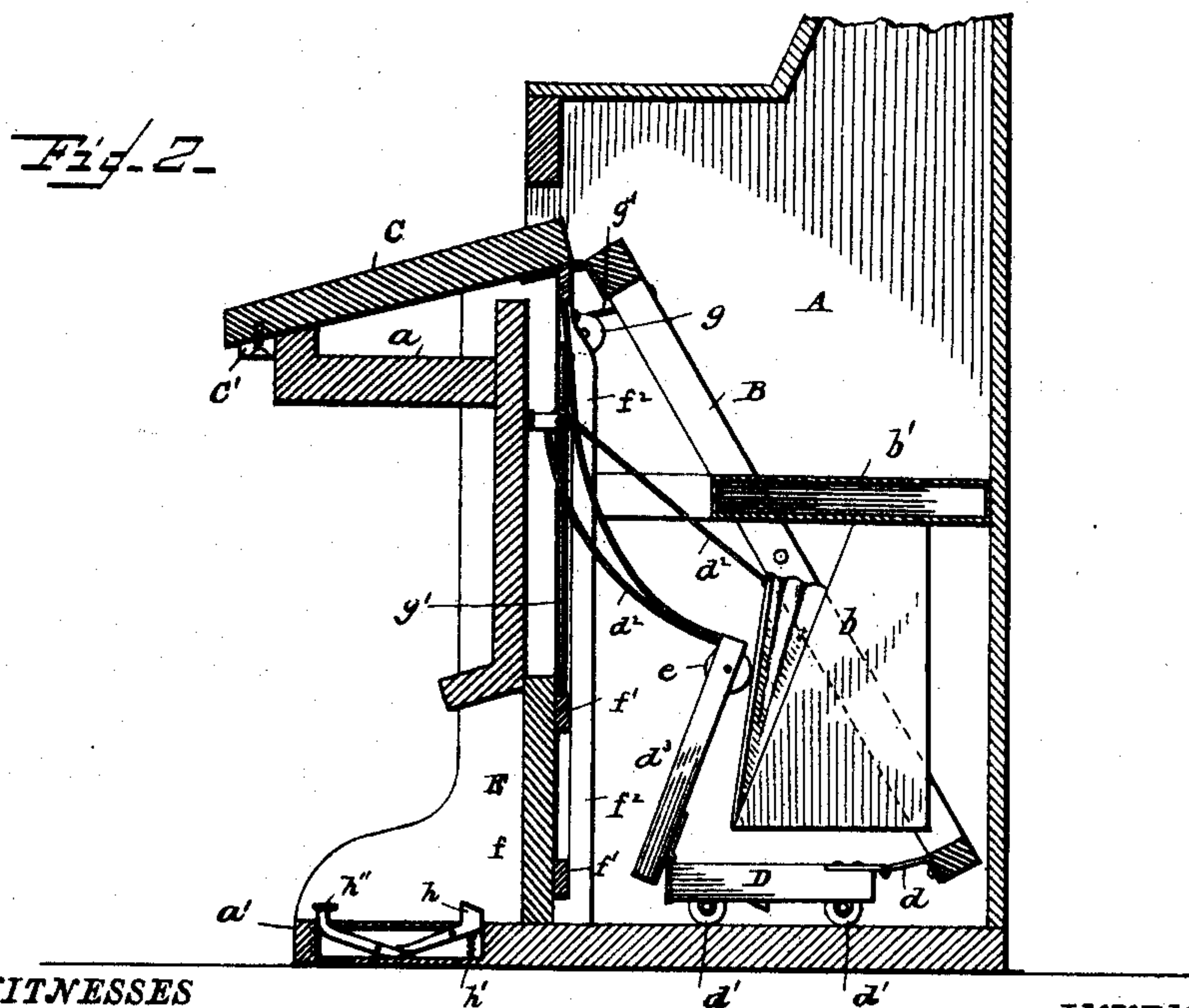
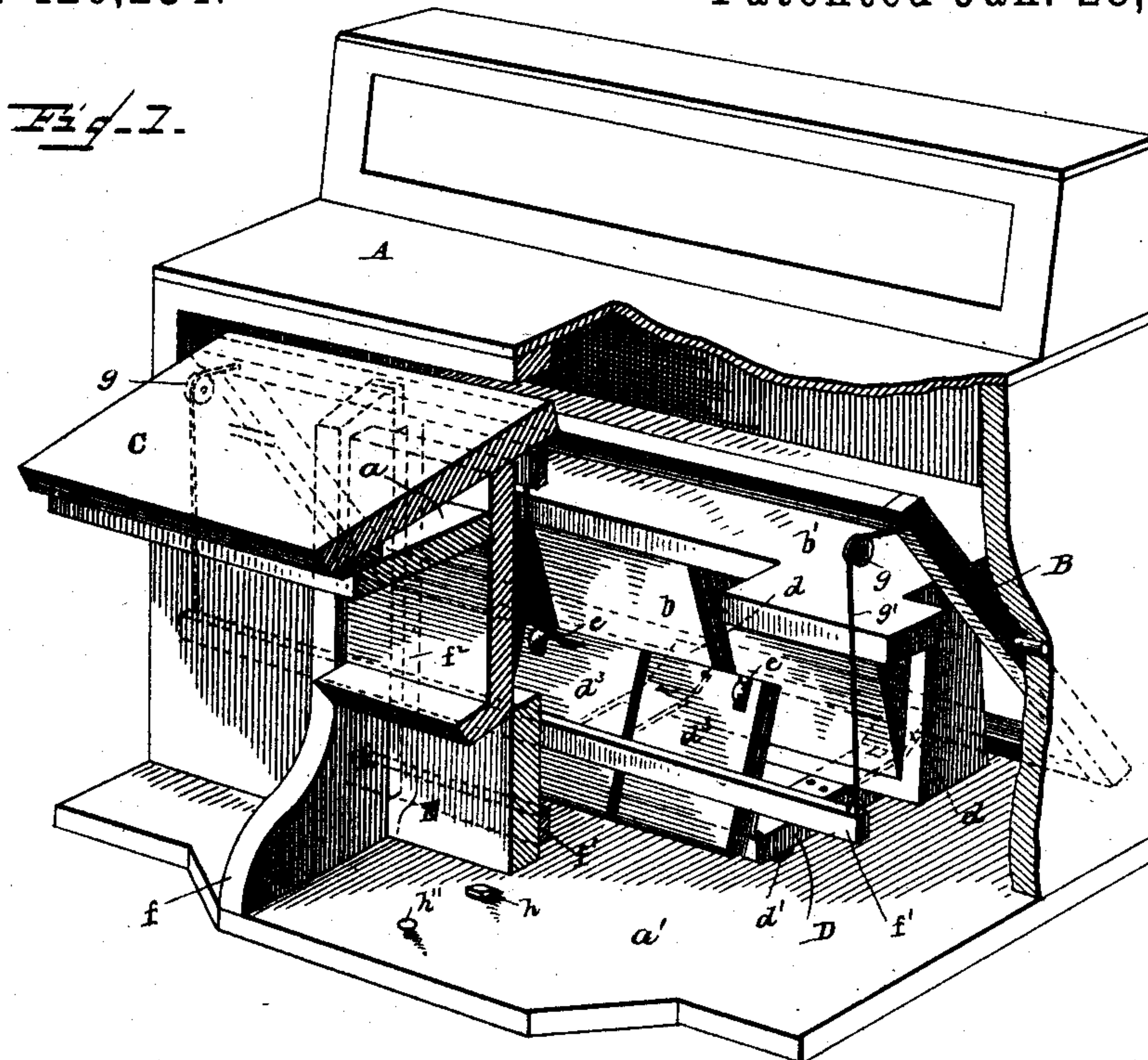
R. A. STOUT, Dec'd.

M. E. FLOYD, Administratrix.

ORGAN CASE.

No. 420,254.

Patented Jan. 28, 1890.



WITNESSES
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UNITED STATES PATENT OFFICE.

ROBERT ALEXANDER STOUT, OF SMITHBOROUGH, ILLINOIS; MATTIE E. FLOYD ADMINISTRATRIX OF SAID STOUT, DECEASED.

ORGAN-CASE.

SPECIFICATION forming part of Letters Patent No. 420,254, dated January 28, 1890.

Application filed June 13, 1887. Renewed June 19, 1889. Serial No. 314,794. (No model.)

To all whom it may concern:

Be it known that I, ROBERT ALEXANDER STOUT, a citizen of the United States, residing at Smithborough, in the county of Bond and State of Illinois, have invented certain new and useful Improvements in Organ-Cases, of which the following is a specification.

This invention relates to certain new and useful improvements in organs, the object of the invention being to provide means for the exclusion of mice, dust, &c., from the interior of the organ.

With the above and other objects in view the invention consists in the improved construction and combination of parts hereinafter fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a front perspective view of my invention with parts broken away. Fig. 2 is a vertical sectional view.

Corresponding parts in both figures are denoted by the same letters of reference.

Referring to the drawings, A represents the inclosing-case of an organ of the form in general use, which, as usual, is provided with the key-board *a*, and the bottom or base board *a'*, which latter projects outwardly a short distance beyond the front wall of said casing. Within this casing is of course disposed the usual bellows *b* and air-chest *b'*, whereon is arranged the ordinary fixtures of the organ, the same not being shown, as they form no part of my invention.

B is a frame pivoted at about the center of its side bars to the inner sides of the casing, and to the upper cross-bar of this frame is hinged the rear end of the organ lid or cover C, which latter is designed to move over the upper surface of the frame-work of the key-board in opening or closing the organ, and is retained in position by small lugs or projections *C'* on the under side thereof. To the lower cross-bar of this pivoted frame is secured by hinges *d d* the rear end of a pedal-carriage D, which on its under surface is provided with small rollers *d'* to permit of the ready sliding thereof on the bottom or base board of the organ in its passage through the opening in the front wall of the inclosing-

casing. To the front end of this pedal-carriage are pivotally secured by hinges or otherwise the lower forward ends of operating-pedals *d³ d³*, to the upper rear ends of which are connected the ordinary pedal-straps *d² d²*, secured at their other ends to the bellows *b*. In shives or recesses formed in the upper rear ends of these pedals are secured small rollers *e e*, which will be further referred to hereinafter.

E is a sliding door or drop designed to fit and slide between two parallel projecting bars *f*, secured in the before-referred-to opening of the front wall of the casing, just in rear of the key-board, and to the rear side of this door or drop are secured two horizontally disposed bars *f' f'*, which are passed into slots formed in two similarly-disposed guide-bars *f² f²*, the upper one of said bars *f'* being extended to the sides of the casing, as shown.

In the upper front corners of the casing are secured small pulleys or rollers *g g*, over which are passed cords or straps *g' g'*, connected at their ends to the ends of the cross-bars *f'* and to the side bars of the pivoted frame B near the upper ends thereof.

From what has been said it will be seen that supposing the lid or cover to be in its forward position, so that the organ is "closed," the sliding door or drop will be in its lowered position and the pedals hidden from view, and that by taking hold of the lid or cover and slightly raising the same, so as to free the lugs or projections *C'* from contact with the front edge of the key-board, the same can be slid backward, causing the rearward movement of the upper cross-bar of the pivoted frame, and consequently the forcing forward of the lower portion thereof, which will force the pedal-carriage forward therewith. In the rearward movement of the upper cross-bar of the pivoted frame the cords or straps *g'*, secured thereto, effect the raising of the sliding door or drop from over the opening in the front wall of the casing and permit the passage therethrough of the pedal-carriage, together with the pedals, which readily assume their proper position. After the lid or cover has been forced back the desired distance the lugs or projections *C'* will effect

the securing thereof against the rear side of the front wall of the casing, and consequently the retention of the pivoted frame and pedal-carriage in their proper relative positions.

5 As additional means of securing the pedal-carriage in position, I pivot within a slot formed in the base-board a catch *h*, against the under side of which passes a coil-spring *h'*, and with the projecting end of this catch
10 is designed to engage a projection or shoulder on the under side of the pedal-carriage, as shown in Fig. 2. This catch is released from contact with the said projection or shoulder by means of a small foot-lever *h''*, also piv-
15 oted in said slot, and having its lower inner end bearing against the under side of the adjoining end of the pivoted catch *h*, while the outer vertical end projects slightly above the bottom or base board to permit of its ready
20 operation by the foot of the performer.

When it is desired to close the organ, the lid or cover thereof is slightly raised and then slid forward, causing, through the agency of the pivoted frame, the rearward movement of
25 the pedal-carriage, together with the pedals, and at the same time the lowering of the sliding door or drop, which, as soon as said pedal-carriage has passed through the opening in the front wall of the casing, will be lowered
30 to its position against the bottom or base board of the organ. The pedal-carriage, in its rearward movement, will pass in under the bellows, while the pedals proper will be caused to assume an inclined position, the
35 rollers thereof being in contact with the bellows.

It will be seen that my invention provides ready means for the exclusion of dust, mice, &c., from the organ, and thus prevents injury
40 thereto from such source.

I claim as my invention—

1. The combination, with the casing, of the movable pedal-carriage, a vertically-sliding door or drop adapted to close the pedal-open-
45 ing, a pivoted frame connected at its lower end to the pedal-carriage and at its upper end with said door or drop, and means for oper-

ating said frame, substantially as and for the purpose set forth.

2. The combination, with an organ-case, of 50 a movable pedal-carriage, a vertically-sliding door or drop adapted to close the pedal-opening, the pivoted frame connected at its lower end to the rear end of the pedal-carriage, cords connecting the upper end of said frame 55 with the sliding door or drop, and the lid or cover connected with and adapted to operate said frame, substantially as set forth.

3. The combination, with the pedal-carriage having a shoulder or projection, of the 60 spring-held catch, and the foot-lever engaging with said catch, substantially as shown, and for the purpose stated.

4. The combination, with the casing, of the sliding door or drop, the cross-bar secured 65 thereto, the pivoted frame, and the lid or cover, said frame being connected to said cross-bar, substantially as shown and described.

5. The combination, with the casing, of the 70 sliding door or drop, the cross-bars secured thereto and passed through guide-bars, the pivoted frame, the lid or cover, the cords or straps connected to said frame and to one of said cross-bars, and the pulleys or rollers, all 75 arranged substantially as shown and described.

6. The combination, with the casing, of the pivoted frame, the pedal-carriage secured to the lower cross-bar thereof and having rollers 80 on its under surface, the sliding door or drop having guide cross-bars, the cords or straps secured thereto, the pulleys over which said cords or straps are passed, and the lid or cover secured to said frame and having lugs or pro- 85 jections on its under side, constructed and arranged substantially as shown and described.

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

ROBERT ALEXANDER STOUT.

Witnesses:
NANNIE PERKINS,
G. S. NAY.