(No Model.)

J. S. FOLEY.

PEDAL COVER FOR ORGANS.

No. 345,129. Patented July 6, 1886.

Fig. 2.

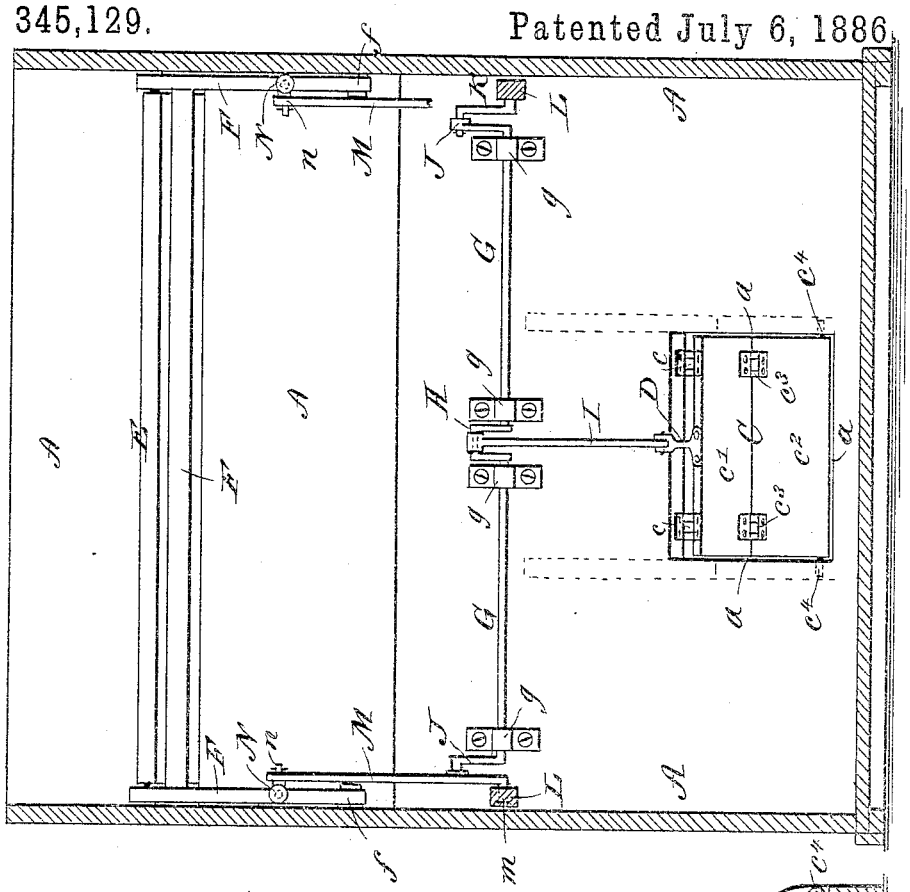
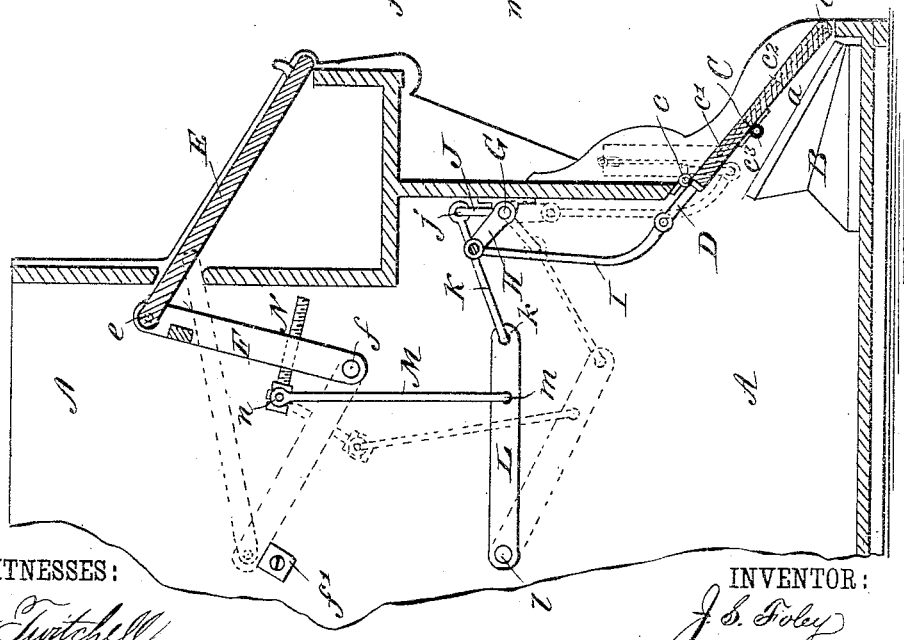


Fig. 1.



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JAMES S. FOLEY, OF CHICAGO, ILLINOIS.

PEDAL-COVER FOR ORGANS.

SPECIFICATION forming part of Letters Patent No. 345,129, dated July 6, 1886.

Application filed March 12, 1886. Serial No. 195,050. (No model.)

To all whom it may concern:

Be it known that I, JAMES S. FOLEY, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Pedal-Covers for Organs, of which the following is a full, clear, and exact description.

My invention has for its principal object to provide a simple and efficient mechanism, whereby a cover hinged to the instrument-case at a front opening thereof and over the pedals may be operated from the fall-board of the instrument to cause the pedal-cover to be opened and closed automatically and simultaneously with the fall-board, and whereby dust and mice may be excluded from the instrument when it is not in use.

The invention consists in certain novel features of construction and combinations of parts of the pedal-cover and operating mechanism, all as hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a transverse vertical sectional elevation of the front part of an organ-case with my improved pedal-cover applied; and Fig. 2 is a rear view of the same, partly broken away.

The organ-case A may have any approved size or design, and is provided with an opening at *a*, to give access to the pedals B, which may be connected in any suitable manner with the bellows of the instrument.

In the pedal-opening *a*, I fit a cover, C, which is hinged at *c*, at the top of the opening *a*, and may consist of a single piece adapted to swing upward on the hinges *c* at the front of the organ-case; but I prefer to make the pedal-cover C in two sections, c' c^2, hinged to the case at *c*, and to each other at c^3, and provided with pins c^4 at the lower corners of the section c^2, said pins running in grooves made in the opposite brackets, forming the side walls of the pedal-opening, and whereby when the cover is opened its two sections c' c^2 will fold together at the front of the organ-case, as indicated in dotted lines in Fig. 1 of the drawings.

I make no claim herein for the special construction of this folding cover C, as the same is described and claimed in another application for Letters Patent previously made by me.

To the rear edge of the pedal-cover C there is fixed an arm, D, with which the operating mechanism of the cover is connected, as presently explained.

The fall-board or lid E of the instrument, which covers its key-board, (not shown,) is pivoted at *e* to a frame, F, which in turn is pivated at *f f* to the opposite ends of the organ-case A, and may fall back against stops *f'*, fixed to the case.

Across the inner face of the front of the organ-case there is journaled in suitable brackets or eye-plates, *g*, a crank-rod, G, having a central crank, H, with which the pedal-cover arm D is connected by a rod, I, and the rod G has opposite end cranks, J J, each of which is connected pivotally at *j* with the forward end of a rod, K, the rear end of which is pivotally connected at *k* with a lever, L, which is fulcrumed at its rear end on a screw, *l*, fastened in the adjacent end of the organ-case.

A rod, M, is connected pivotally by its lower bent end, *m*, with each lever L, forward of the center of the lever, and is connected at its upper end with the head or end *n* of a screw, N, which is threaded into the side bar of the fall-board frame F at the adjacent side of the instrument, the connection of the screw N and rod M at *n* being such that the screw may readily be turned in or out more or less in the frame F without disjointing the parts.

The operation is as follows: When the fall-board E is drawn forward to cover the key-board or close the instrument, the frame F will be drawn forward with the fall-board, and the screws N, rods M, levers L, rods K, and cranks J at each end of the organ-case will be moved to the positions indicated in full lines in Fig. 1 and in Fig. 2, and whereby the crank H of rod G will be caused to swing upward and carry the rod I and arm D with it, thereby causing the pedal-cover C to automatically swing down into the case-opening *a* and cover the pedals, to exclude dust and mice from the interior of the instrument. When the organ is to be used, and the fall-board E is pushed

backward, carrying the frame F with it, the screws N, rods M, levers L, rods K, cranks J H, rod I, and arm D will be moved to the positions indicated by dotted lines in Fig. 1, whereby the pedal-cover C will be swung upward or folded automatically at the front of the organ-case, as also shown in dotted lines in Fig. 1.

The cranked rod G H J assures the positive free action of the pedal-cover-operating mechanism, and the screws N may be turned in or out to adjust the mechanism, so that when the fall-board E is fully forward or closed the pedal-cover C will also be tightly closed over the pedals, and by adjusting the screws N occasionally slackness or looseness of the joints of the pedal-cover-operating mechanism may be taken up when required, whereby the fall-board and pedal-cover will close tightly in unison at all times.

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

1. The combination, with an organ-case, A, having a pedal-opening, *a*, of a cover hinged at the top of the opening and adapted to close it and to fold upward against the front of the case, rod-and-lever mechanism connecting the pedal-cover with the fall-board, and screws interposed or connected in the said mechanism, substantially as shown and described, whereby the aforesaid rod-and-lever mechanism may be adjusted to cause the fall-board and pedal-cover to open simultaneously and to close tightly in unison, as herein set forth.

2. The combination, with the organ-case A, having a pedal-opening, *a*, of a cover hinged at the top of the opening and adapted to close it and to fold upward against the front of the organ-case, substantially as specified, of an arm, D, fixed to the pedal-cover, a cranked rod, G H J, journaled to the case-front, a rod, I, connecting crank H and arm D, levers L, pivoted at *l* to the ends of the case A, rods K, connecting levers L with cranks J of rod G, rods M, connected at *m* to the levers L, and screws N, connected to the rods M and threaded into the fall-board frame F, substantially as and for the purposes herein set forth.

3. The combination, with the organ-case A, having a pedal-opening, *a*, of a cover, C, consisting of two parts, c' c^2, hinged together and at the top of opening *a*, and adapted to close said opening and to fold upward against each other and the front of the organ-case, substantially as specified, of an arm, D, fixed to cover C, a cranked rod, G H J, journaled to the organ-case front, a rod, I, connecting crank H and arm D, levers L, pivoted at *l* to the ends of case A, rods K, connecting levers L with cranks J of rods G, rods M, connected at *m* to the levers L, and screws N, connected to rods M and threaded into the fall-board frame F, substantially as and for the purposes herein set forth.

J. S. FOLEY.

Witnesses:
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