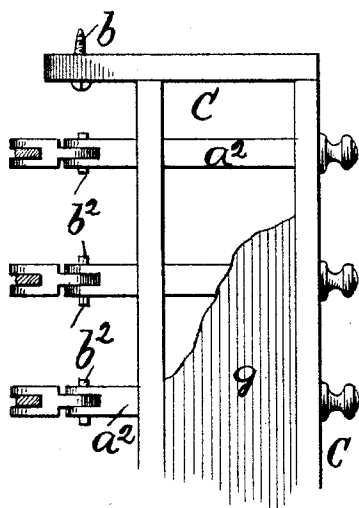
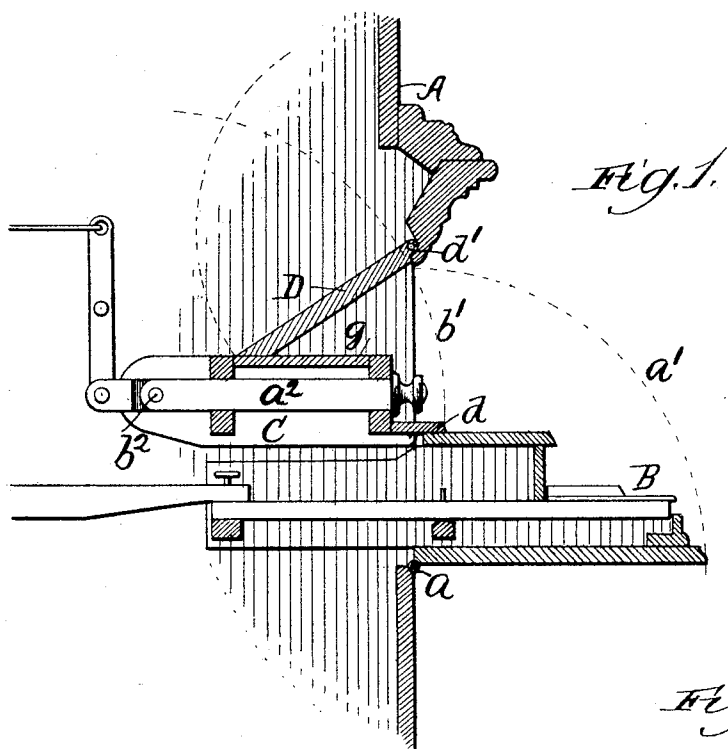


(No Model.)

F. W. HEDGELAND.
FOLDING KEY BOARD FOR ORGANS.

No. 464,936.

Patented Dec. 8, 1891.



Witnesses:
 Jas. E. Gaylord.
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UNITED STATES PATENT OFFICE.

FREDERICK W. HEDGELAND, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE W. W. KIMBALL COMPANY, OF SAME PLACE.

FOLDING KEY-BOARD FOR ORGANS.

SPECIFICATION forming part of Letters Patent No. 464,936, dated December 8, 1891.

Application filed June 18, 1891. Serial No. 396,683. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK W. HEDGELAND, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Folding Key-Boards for Organs, of which the following is a specification.

Figure 1 is a broken-away vertical transverse section embodying my improved features, and Fig. 2 a broken-away plan of the stop-action part.

This invention relates to improvements in organs and the like, and has for its object to provide such musical instruments with a folding key-board and stop-action, as will be hereinafter set forth.

The present style of organ, with its rigid key-board, is too large to be taken through an ordinary door. By having the key-board and stop-action fold up the instrument is more easily handled and takes up less room when not in use.

Referring to the drawings, A represents the organ-case, B the key-board, and C the stop-action part or frame. The key-board is hinged to the case, as at *a*, and folds upwardly, the outer edge following the dotted line *a'*. The stop-action frame C is provided at each end with a pivot pin or screw *b*, which, being inserted in the interior ends of the case, permits of the frame folding upwardly and inwardly on the line *b'*. The stop-stems *a*² are each provided with the pivot-joint *b*², and are thereby adapted to follow the movement of their frame in its change from a horizontal to a vertical position. The inner edge of the locking-plate *d* is secured to the stop-action frame and moves therewith. When the folding parts are in position for use, as shown in Fig. 1, the plate *d* covers the line of separation between the key-board and stop-action frame and locks or holds the key-board in its open position, so that the stop-action must first be moved before the key-board can be folded up.

The opening in the case above the key-board, necessary in this form of construction, is closed by means of the drop door D, hinged to the inside front, as at *d'*. The lower end of this door rests loosely on the covering-board *g* of the stop-action frame and moves upwardly therewith on line *h*.

The key-board and stop-action fold inside of the case, thus reducing the width of the instrument to the diameter of the case proper, so that it will easily pass through an ordinary door.

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

1. An organ or like musical instrument provided with a folding key-board adapted to fold inside of the case proper, substantially as and for the purpose set forth.

2. An organ or like musical instrument provided with a folding stop-action, substantially as described.

3. In an organ, the combination, with the inclosing case, of the stop-action frame having its respective ends pivoted to the corresponding ends of said case, and the stop-stems, pivoted as at *b*, whereby said parts are adapted to be raised upwardly out of the way of the folding key-board, substantially as described.

4. In an organ, the combination of the folding key-board, the folding stop-action, and the locking-plate secured to the stop-action frame, substantially as described.

5. In an organ, the combination, with the inclosing case, of the drop door hinged thereto and adapted to close the opening above the key-board and stop-action when the same are turned downwardly in position for use, substantially as described.

FREDERICK W. HEDGELAND.

Witnesses:

L. M. FREEMAN,
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