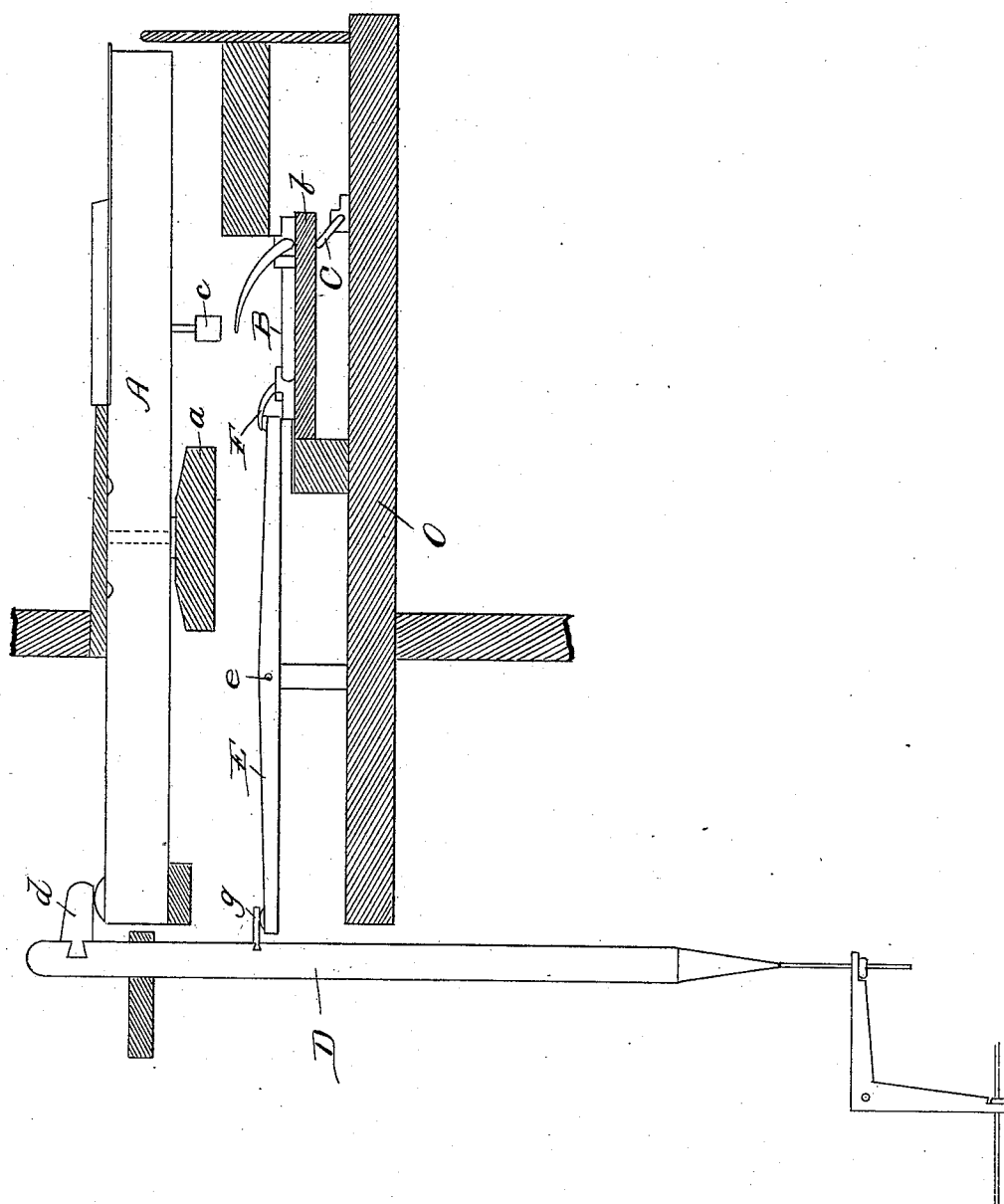


(No Model.)

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

No. 469,243.

Patented Feb. 23, 1892.



Witnesses:
Lew. C. Curtis
H. W. Munday.

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UNITED STATES PATENT OFFICE.

FREDERICK W. HEDGELAND, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE
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DETACHABLE KEY-BOARD FOR ORGANS.

SPECIFICATION forming part of Letters Patent No. 469,243, dated February 23, 1892.

Application filed November 23, 1891. Serial No. 412,743. (No model.)

To all whom it may concern:

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

This invention relates to the manner of securing an operative junction between the keys and couplers of detachable key-boards and the action, which will require no disconnecting or unfastening of the keys or couplers from the action when the key-board is to be removed.

The nature of the invention is fully disclosed below, and in the accompanying drawing, which shows a vertical section of that portion of an organ to which my invention relates.

In the drawing, A represents one of the keys, *a* the rail upon which it is supported, and B represents the ordinary octave coupler, mounted upon a swinging rail *b*, and lifted into and out of position by a rocking lever C. The coupler is operated by the buffer *c*, attached to the key.

D is the tracker of the action. It is in no wise attached to either the key or the coupler; but is nevertheless operated by each of them through the means now to be described.

All the above parts except the tracker are supported in the detachable key-board O. In said tracker and immediately above the plane of the key is secured a horizontally-extending boss *d*, lying over the inner end of the key, so that when the key is depressed by the player said inner end will encounter the boss and lift the tracker, thus actuating the action. In the case of the couplers, I provide for each of them a lever E, pivoted centrally at *e* and depressed at one end by the arm F of the coupler. This lever extends out into proximity to the tracker, which is also provided with a second horizontally-extending boss or pin *g*, lying immediately over the end of the lever.

It will be seen from what has been said that when any one of the couplers is actuated the arm F of such coupler will depress one end of its lever E and raise the other end. The latter being immediately under the boss *g*, encounters said boss and lifts the tracker in like manner, as does the key. The bosses *d* and *g*, being wholly unattached to the keys and couplers, of course do not hinder in any wise the taking out of the key-board, and their operative relation to the keys and couplers is at once restored when the key-board is inserted in place.

I claim—

1. The combination, with the keys and couplers of a detachable key-board, of trackers D, having bosses or projections *d g*, and levers E, operated by the couplers, substantially as set forth.

2. The combination, with the detachable key-board and its couplers, of levers E, supported by the key-board and operated by the couplers, and trackers D, having bosses or projections *g*, located above the ends of said levers so as to be engaged thereby, substantially as set forth.

3. The combination of the detachable key-board, the keys, the couplers and levers carrying motion from said couplers to the action of the organ-action, having trackers D, provided with outstanding projections adapted to be engaged by said keys and lever without being attached thereto, substantially as set forth.

4. The combination, with the keys and couplers of a detachable key-board, of trackers D, having bosses or projections *d g*, and means for carrying motion from the couplers to the projections *g* of the trackers, substantially as set forth.

FREDERICK W. HEDGELAND.

Witnesses:

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