

R. BURDETT.
Reed-Organs.

No. 146,870.

Patented Jan. 27, 1874.

Fig. 1.

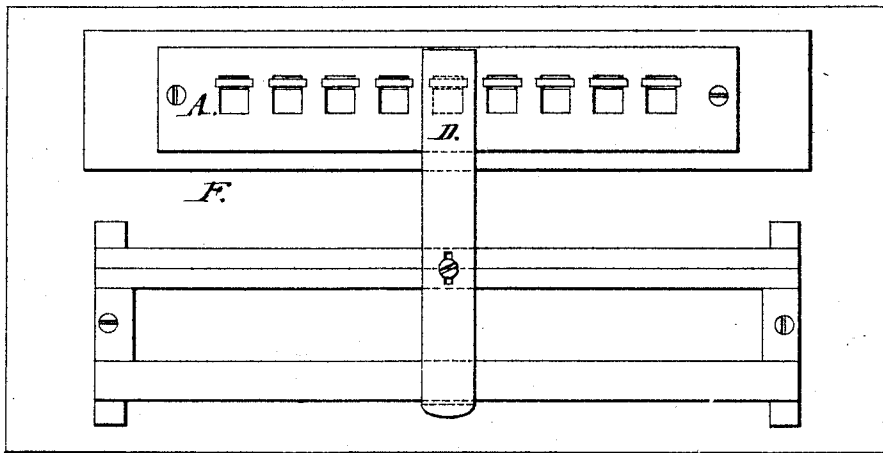
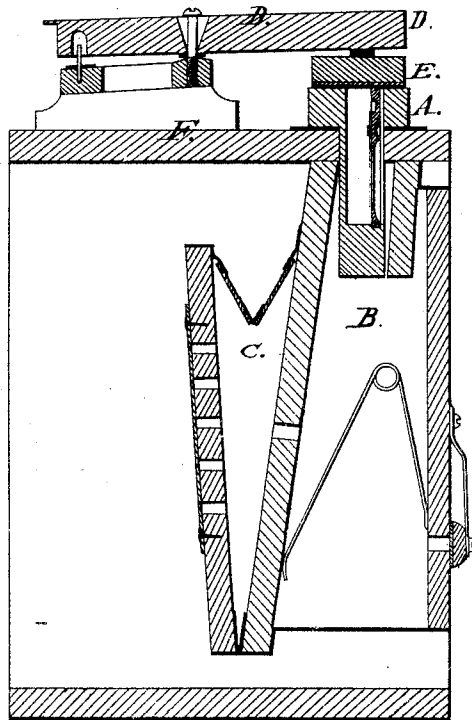


Fig. 2.



Witnesses:

Chas. Clauverre
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Inventor:

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UNITED STATES PATENT OFFICE.

RILEY BURDETT, OF ERIE, PENNSYLVANIA.

IMPROVEMENT IN REED-ORGANS.

Specification forming part of Letters Patent No. **146,870**, dated January 27, 1874; application filed December 18, 1873.

To all whom it may concern:

Be it known that I, RILEY BURDETT, of Erie, in the county of Erie and State of Pennsylvania, have invented an Improvement in Reed-Organs, of which the following is a specification:

This device is illustrated in the accompanying drawings as follows:

Figure 1 is a front view thereof. Fig. 2 is a transverse sectional view thereof.

The object of my invention is the production of a simple, facile, certain organ action.

A shows the reed-socket board employed by me. B shows the ordinary bellows-receiver. C shows the ordinary bellows-exhauster. D shows the organ-key I employ. E shows the valve I employ. F shows the ordinary foundation-board. The socket-board A, used by me in this invention, is a piece of material large enough to receive the reeds, which may be in one or more sets. This socket-board enters the throat of the bellows-receiver B directly from the surface of the foundation-board F, or flush therewith, without the mediation of a wind-chest, and is placed at the back of the organ-key D, instead of under it, as socket-boards are generally located. The upper edge of this socket-board is also flanged, so as to securely attach it to the bellows. The key D is made longer than an ordinary organ-key, and balanced so as to furnish a very delicate touch. It is weighted so as to receive its proper poise, and to facilitate rapid use. To

it is attached, by means of a felt or other flexible connection, serving to operate both as a cushion and a hinge, the valve E, which rests on the reed-cell, the suction of air in which aids to secure its perfect adjustment thereto; the valve being thus placed, instead of under the reed-cell, as is ordinarily the case, aids rather than resists the key action.

In an organ action thus constructed, I dispense with the ordinary socket-board, wind-chest, ordinary valves, springs, valve-pins, and tracker-pins, and furnish one that is so compact and direct as to be far more certain and speedy in its operation than those constructed in accordance with the ordinary methods. Besides, I, in it, lower the key-board so as to bring it within the easy reach of a child, without sacrificing any of the dimensions of the bellows.

I claim—

1. The socket-board A, in combination with the bellows-receiver B, substantially as set forth.
2. The key D, provided with the cushion-hinged valve E, substantially as set forth.
3. The key D and cushion-hinged valve E, or their equivalents, in combination with the socket-board A and bellows-receiver B, as set forth.

R. BURDETT.

Witnesses:

CHAS. C. CONVERSE,
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