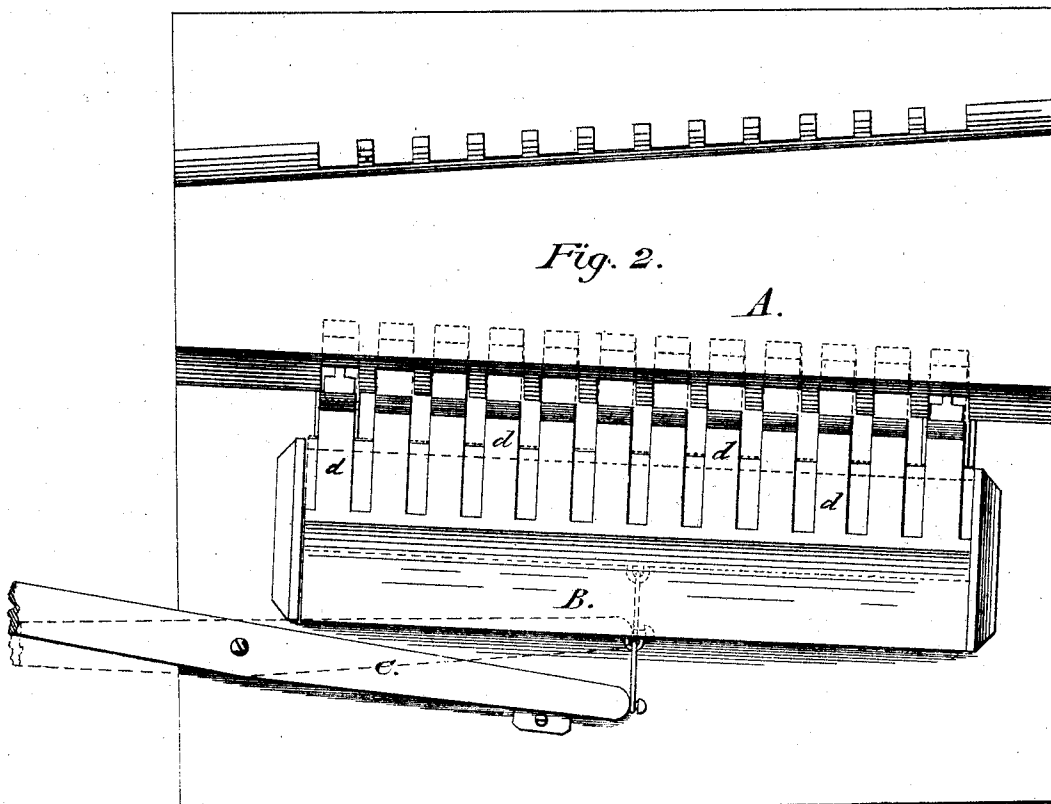
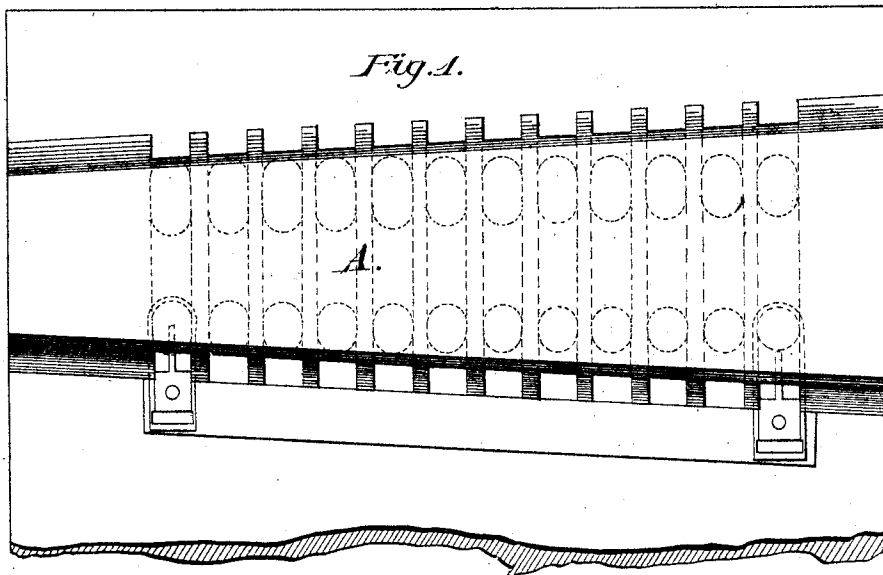


R. BURDETT.
Reed-Organs.

No. 146,511.

Patented Jan. 20, 1874.



Witnesses:

C. C. Converse.
J. M. Miteaif

Inventor:

Riley Burdett

UNITED STATES PATENT OFFICE.

RILEY BURDETT, OF ERIE, PENNSYLVANIA.

IMPROVEMENT IN REED-ORGANS.

Specification forming part of Letters Patent No. **146,511**, dated January 20, 1874; application filed November 3, 1873.

To all whom it may concern:

Be it known that I, RILEY BURDETT, of the city and county of Erie and State of Pennsylvania, have invented an Improvement in Reed-Organs, of which the following is a specification, reference being had to the annexed drawing, which forms a part thereof—

Figure 1 being a superficial view of an ordinary reed socket-board; and Fig. 2 is a view of the same with my attachment placed ready to operate on the back or diapason set of reeds therein, the dotted lines showing the modifier in actual operation.

My invention consists in the addition of a certain device to any set of reeds placed in a socket-board, which device depresses and otherwise modifies the tone of the reeds therein, on which account I term it a "modifier," so that when the reeds, the tone of which is thus modified, are used in solo-playing, the tone produced therewith is softer and more subdued than ordinary; and when these reeds are used in combination with others in the organ, a beautiful wavy tone is produced, owing to their pitch being lowered by my device, and one which constitutes a remarkably fine imitation of the tremulousness of the human voice. All the reed sets of the organ in which I place

my device are tuned in the ordinary way, my device affecting mechanically any reed set to which it may be attached, either as a solo set or in combination with any other set of reeds therein.

When my device is not in use, it lies on the outside of the reed set which it is designed to affect.

In order to operate it, the lever C is moved so as to bring the prongs *d* of the slotted side of the modifier B into the reed-cells of the socket-board A, and just over the reeds therein. The lever C may vary in construction and operation. These prongs or fingers *d* fit easily and without much friction into the reed-cells, and do not grasp or press upon the reed-tongues.

I claim—

1. The modifier B, provided with the prongs *d* for entering the reed-cells of the socket-board, substantially as described.

2. In combination with the socket-board A and modifier B, the lever C for actuating said modifier, essentially as set forth.

RILEY BURDETT.

Witnesses:

C. C. CONVERSE,
F. W. METCALF.