

R. BURDETT.
Organ-Reed Boards.

No. 158,164.

Patented Dec. 29, 1874.

Fig. 1.

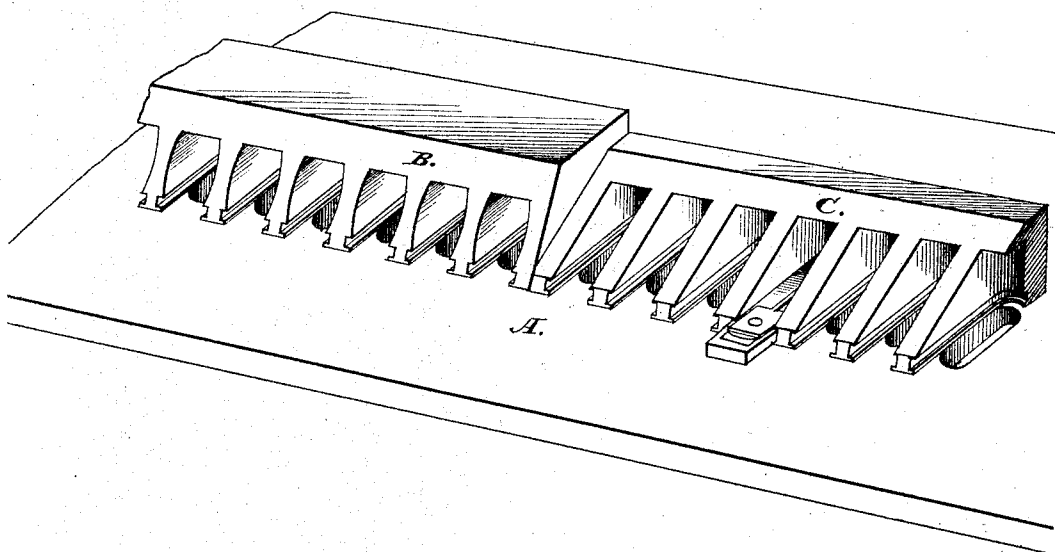
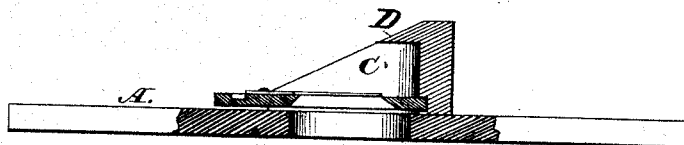


Fig. 2.



Witnesses:

C. C. Converse.
H. W. H. H. H.

Inventor:

Riley Burdett.

UNITED STATES PATENT OFFICE.

RILEY BURDETT, OF ERIE, PENNSYLVANIA.

IMPROVEMENT IN ORGAN REED-BOARDS.

Specification forming part of Letters Patent No. **158,164**, dated December 29, 1874; application filed August 24, 1874.

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 drawing, thus: A is the valve or foundation board. B is the ordinary reed-socket or reed-cell. C is my new reed-cell.

The object of my invention is the production of a certain quality of reed tone.

All organ-makers have experienced a considerable degree of difficulty in causing the reeds, especially the smaller ones, to speak, because of the shape of the ordinary reed-cell. By the use of my device, the impact of the air-current is made directly upon the reed-tongue, resulting in the production of a very clear, strong, and brilliant tone, of a totally different quality from that of the same reed when placed in an ordinary cell—a quality of

tone so pipe-like as to cause the listener to suppose it to be made with a pipe. I therefore call it the Roman pipe, the tone of which it seems the most to resemble.

As will readily be seen, my reed-cell, compared with that usually employed, has its roof and sides cut away with a slant from near the rear of the roof of the cell downward to the front thereof. This leaves a slight overhang, D, at the back of the cell, but nearly or quite uncovering the reed.

I claim—

In an organ reed-board, a reed-cell, C, constructed with the roof and sides cut away with a slant from the rear downward to the front, so as to nearly or quite uncover the reed, but leaving the overhang D, substantially as described, and for the purpose set forth.

RILEY BURDETT.

Witnesses:

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