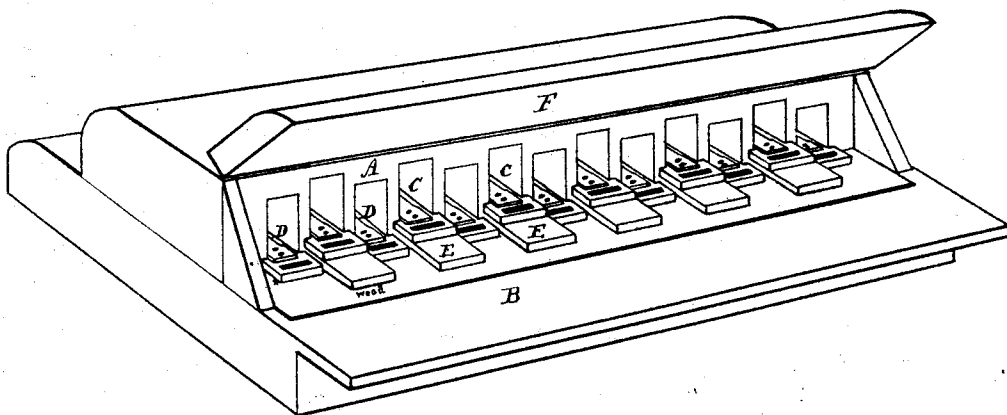


O. C. WHITNEY.
Organ Reed-Boards.

No. 152,029.

Patented June 16, 1874.



Witnesses.
Geo. H. Schmitt
E. M. Withcomb.

Inventor

O. C. Whitney

UNITED STATES PATENT OFFICE.

ORISON C. WHITNEY, OF CLEVELAND, OHIO.

IMPROVEMENT IN ORGAN REED-BOARDS.

Specification forming part of Letters Patent No. **152,029**, dated June 16, 1874; application filed April 20, 1874.

To all whom it may concern:

Be it known that I, ORISON C. WHITNEY, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented an Improvement in Sub-Bass Accompaniments for Reed-Organs, of which the following is a specification:

This invention relates to a new construction of the tube-board for sub-bass reeds, which are larger than the common reeds, whereby the bass reeds are arranged in their tube-board so that they may be attached to the sounding-board in conformity with the other reeds, and operated by the same size or scale of valves, resulting in a simpler and more economical arrangement for applying this accompaniment to this class of musical instruments.

To enable others to fully understand my invention, I will proceed to describe the same by the aid of the accompanying drawing, which is a perspective view of a sub-bass attachment embodying my improvement.

A represents a tube-board, which is placed on a sounding-board, B, said sounding-board having valve-openings in the customary manner, the reed-cells C covering them. The reeds D for bass notes are larger than the higher octaves, in consequence of which it has been necessary heretofore to make a larger tube-board for said notes, involving the necessity of making a separate valve arrangement

or making long concentrating wind-channels, thereby losing the full effect on the bass notes. To overcome this objection, and cheapen and simplify the application of the sub-bass attachment, is the object of my invention. This I accomplish by making the partitions between the reed-cells C narrower or thinner, and cut the grooves in said partitions in which the reeds slide alternately one above the other, as seen in the front view of the row of cells in the drawing. This allows the wide reeds to be placed in a tube-board, the octave length of which is the same as the other octaves, so that by the simple extension or elongation of the valves this attachment is readily adapted to the ordinary reed-instrument. A small block, E, is placed under the butt of each upper reed to close the space. F is a lid to close over the set of reeds when not wanted for use.

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

The reed-board A, provided with the bass reed-cells D, arranged in two planes or rows, every alternate cell being in the opposite row, substantially as and for the purpose set forth.

O. C. WHITNEY.

Witnesses:

GEO. WYMAN,
W. M. PATTERSON.