

R. Burditt.

Reed Musical Instruments.

No 51,994 -

Patented Jan 9-1866.

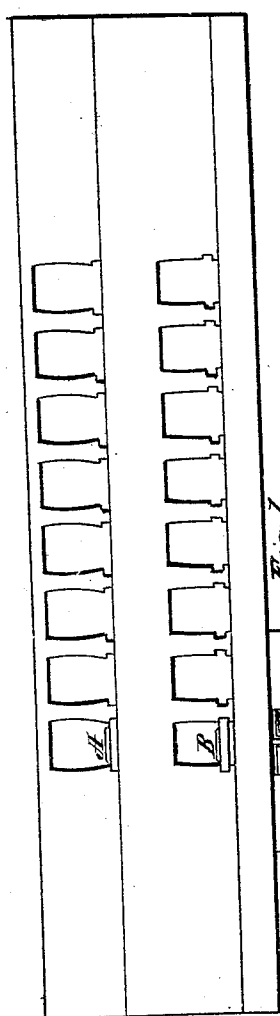


Fig. 1

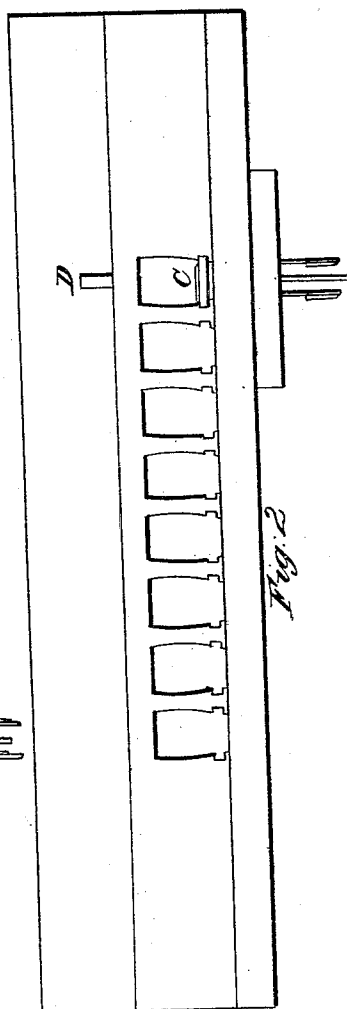


Fig. 2

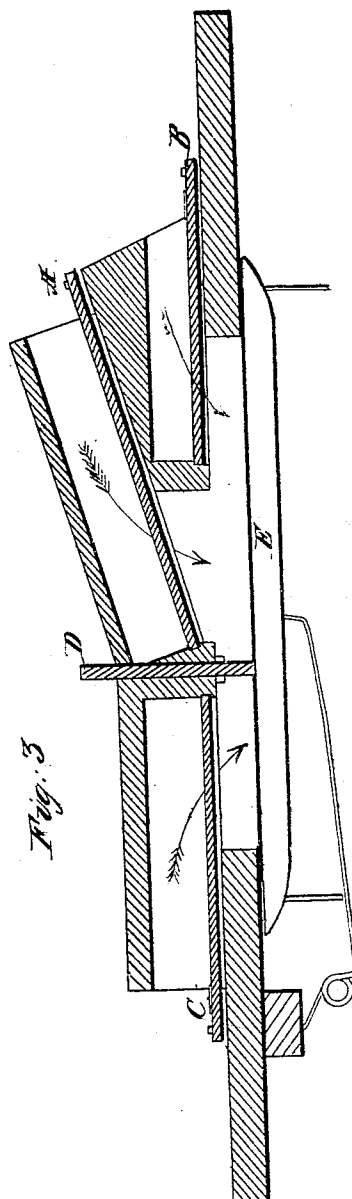


Fig. 3

Witnesses
G. Wilson
G. H. Mearns

Inventor
Reley Burdett

UNITED STATES PATENT OFFICE.

RILEY BURDITT, OF BRATTLEBOROUGH, VERMONT, ASSIGNOR TO JACOB ESTEY & CO., OF SAME PLACE.

IMPROVEMENT IN REED MUSICAL INSTRUMENTS.

Specification forming part of Letters Patent No. 51,994, dated January 9, 1866.

To all whom it may concern:

Be it known that I, RILEY BURDITT, of Brattleborough, in the county of Windham and State of Vermont, have invented a new and improved mode of arranging triplicate and quadruple sets of reeds in a single reed-board or socket-board for all kinds of reed-instruments of music; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in so making the reed-board in reed-instruments of music that the three or four sets of reeds which it contains shall be acted upon instantly and simultaneously by the rush of air upon the opening of the valve; and to accomplish this I place two sets of reeds upon the same horizontal plane in the common known form, facing but sufficiently removed from each other to admit between them adequate air communication to the third and fourth set of reeds, which I place on an inclined plane, having its base on the same level as the first and second sets of reeds, and extending up over the first set, as shown in the accompanying

drawings, Figure 3^a, B and C being first and second sets, E the valve, and D the pitman or tracker-pin. When the fourth set of reeds is used I place it behind the pitman, inclining to the same base as the third set, but in an opposite direction. By this arrangement the head of each reed is equidistant from the valve, each producing instantaneous concerted sound; whereas heretofore when a third set of reeds has been used in musical instruments it has been placed parallel to the first and second sets and above them, and consequently farther removed from the valve, so that the air passing through the valve would act upon the first and second sets, producing sound before reaching the third set.

What I claim as my invention, and desire to secure by Letters Patent, is—

The improved manner of making reed-boards in instruments of music, so that the third and fourth sets of reeds rest on the same base as the first and second sets, all being equally near to the valve.

RILEY BURDITT.

Witnesses:

GILBERT H. MANN,
GEO. HOWE.