

J. HILL.
Reed-Organ.

No. 212,222.

Patented Feb. 11, 1879.

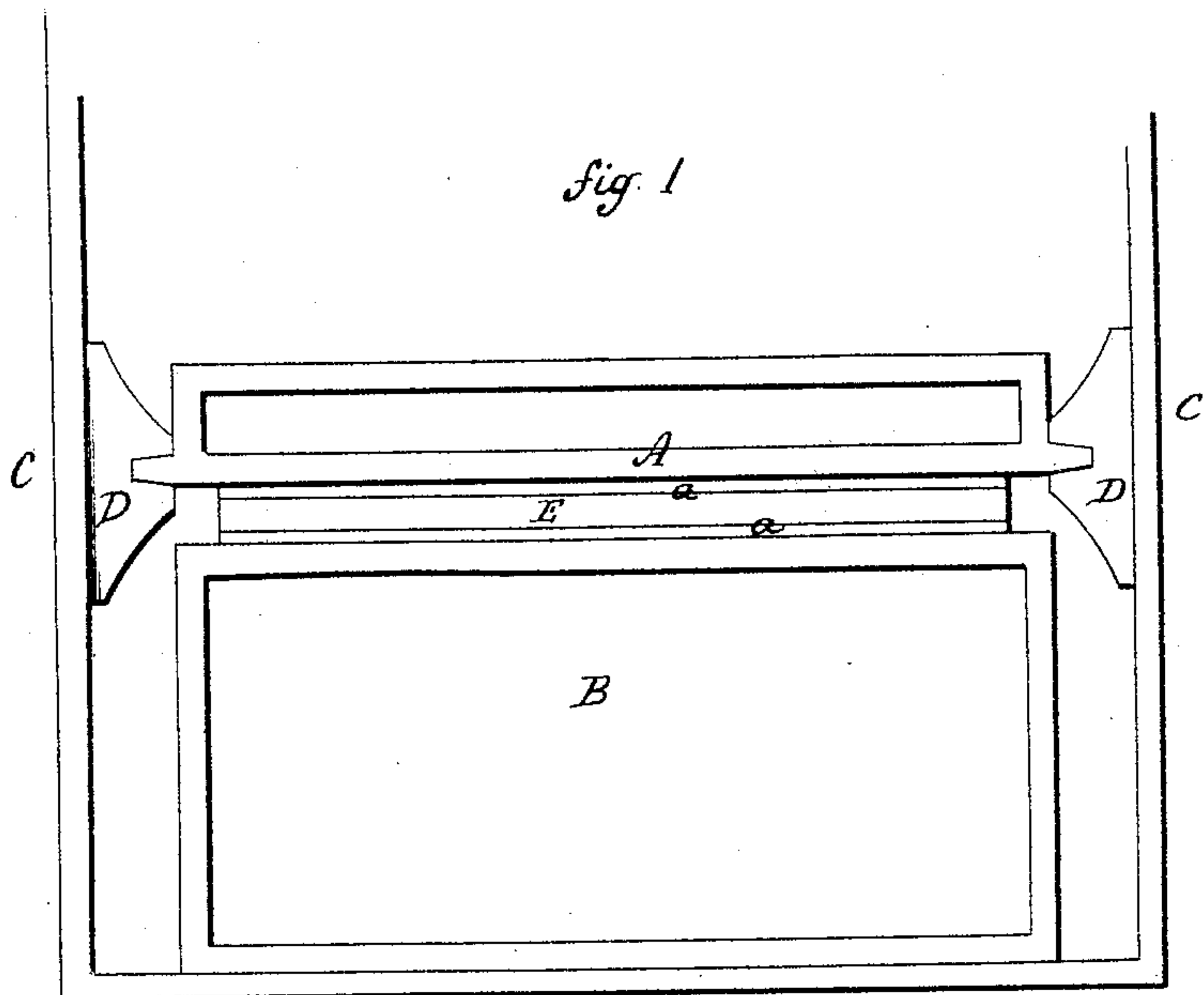
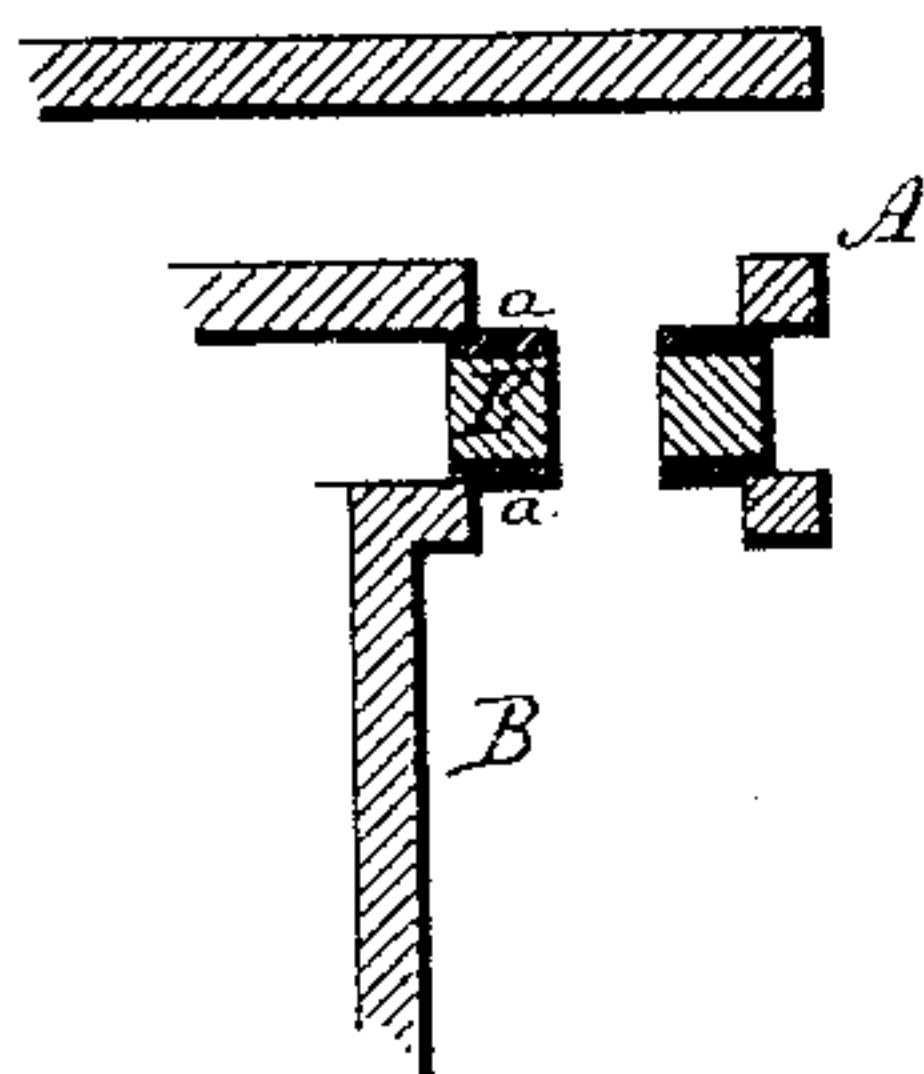


fig. 2



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN HILL, OF WEST MERIDEN, CONNECTICUT.

IMPROVEMENT IN REED-ORGANS.

Specification forming part of Letters Patent No. **212,222**, dated February 11, 1879; application filed August 8, 1878.

To all whom it may concern:

Be it known that I, JOHN HILL, of West Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Reed-Organs; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a vertical sectional view; Fig. 2, a transverse section.

This invention relates to an improvement in reed-organs, the object being to improve the tone of the instrument; and it consists in the introduction of glass or other vitreous material around the opening from the wind or exhaust chest to the reed-board, so that the fibrous or other packing around said opening bears upon the glass, instead of directly upon the wood of which said chest and board are made, whereby greater resonance or more perfect vibration is attained.

A represents the reed-board; B, the wind or exhaust chest, of common construction; C, the ends of the case. Between the reed-boards and the case glass brackets D (more or less in number) are arranged, and so as to support

the reed-board. These brackets are made of glass or other vitreous material, and between the reed-board and the wind-chest B the plate E, of glass, is arranged, through which the aperture or apertures connecting with the reeds are made, as seen in section, Fig. 2.

Between the glass plate E, the reed-board, and the wind-chest the packing material *a* is introduced, to prevent the escape of wind.

I am aware that glass has been introduced as supports for parts of musical instruments, and therefore do not broadly claim such as my invention, my invention being limited to the arrangement of glass or similar material bearing between the wind-chest and the reed-board.

I claim—

In reed-organs, the combination, with the reed-board and wind-chest, each having the usual wind-openings, of a bearing of glass or similar material, constructed with opening or openings adapted and arranged to surround the openings in said reed-board and wind-chest, substantially as described.

JOHN HILL.

Witnesses:

JOHN E. EARLE,
H. A. KITSON.