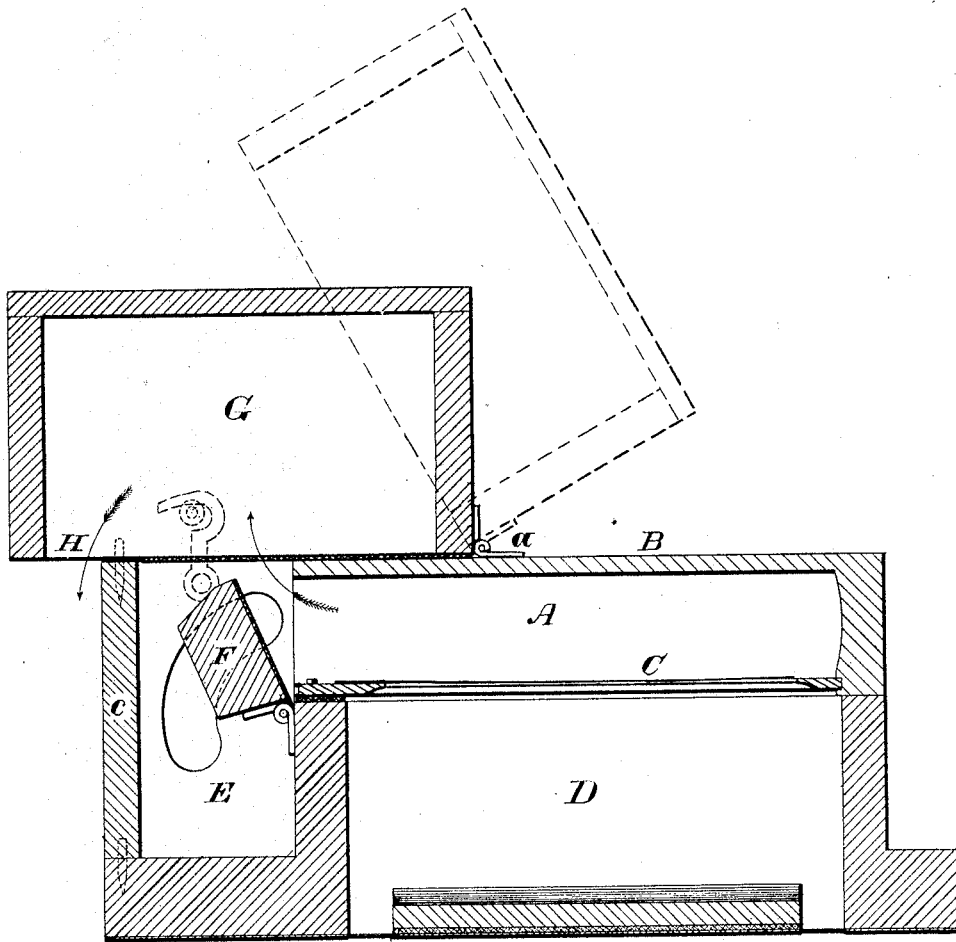


H. K. WHITE.
Reed-Organs.

No. 166,437.

Patented Aug. 3, 1875.



Witnesses:

Arthur C. Fraser,
Thomas Keighan

Inventor:

Henry K. White,
By his Attorneys,
Burke & Fraser

UNITED STATES PATENT OFFICE.

HENRY K. WHITE, OF BRATTLEBOROUGH, VERMONT, ASSIGNOR TO
J. ESTEY & CO., OF SAME PLACE.

IMPROVEMENT IN REED-ORGANS.

Specification forming part of Letters Patent No. **166,437**, dated August 3, 1875; application filed
April 7, 1875.

To all whom it may concern:

Be it known that I, HENRY K. WHITE, of Brattleborough, in the county of Windham and State of Vermont, have invented certain Improvements in Reed-Organs, of which the following is a full and complete specification:

The object of this invention is to improve the tone from the reeds of the instrument; and it consists in a resonant chamber placed over the chamber in front of the reeds, and projecting beyond the latter chamber far enough to permit the escape of the sound from the reeds.

The drawing is a vertical section through the sub-base of the instrument, showing the application of my improvement thereto.

A represents the reed-cells; B, the socket-board; C, the reeds; D, the open space beneath the reeds; E, the chamber in front of the reed-cells; and F, the swell. These parts are all constructed and arranged in the usual manner. G is a resonant chamber, box-like in form, placed in an inverted position over the front of the reed-cells, and projecting forward, so as to overhang the chamber E, and leave an opening, H, for the escape of the sounds from the reeds. By this means the muffling of the sound is avoided.

The arrows indicate the course of the sound-waves from the reeds, and their egress at the opening H.

The chamber G may be constructed of any suitable resonant material, and is, preferably,

hinged at *a*, so as to be turned back out of the way when the reeds are to be removed for tuning, &c.

When the chamber G is thrown back, the front *c* can be removed to facilitate the withdrawal of the reeds.

When the chamber G is in place, it may be held down by a hook and pin at the end, as indicated in dotted lines.

Having thus described my invention, I disclaim any and all features shown in the patent of White and Fuller, December 1, 1868, No. 84,486; but

What I do claim is—

1. The combination of the chamber G, reed-cells A, reeds C, and chamber E, when said parts are arranged in substantially the manner described and shown, and for the purposes set forth.

2. The combination of the reed-cells A, reeds C, and chamber E with a resonant chamber, G, arranged to overhang said chamber E and leave a space, H, for the egress of sound from the reeds, substantially as described and shown.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

HENRY K. WHITE.

Witnesses:

W. H. CHILDS,
D. W. HAWLEY.