

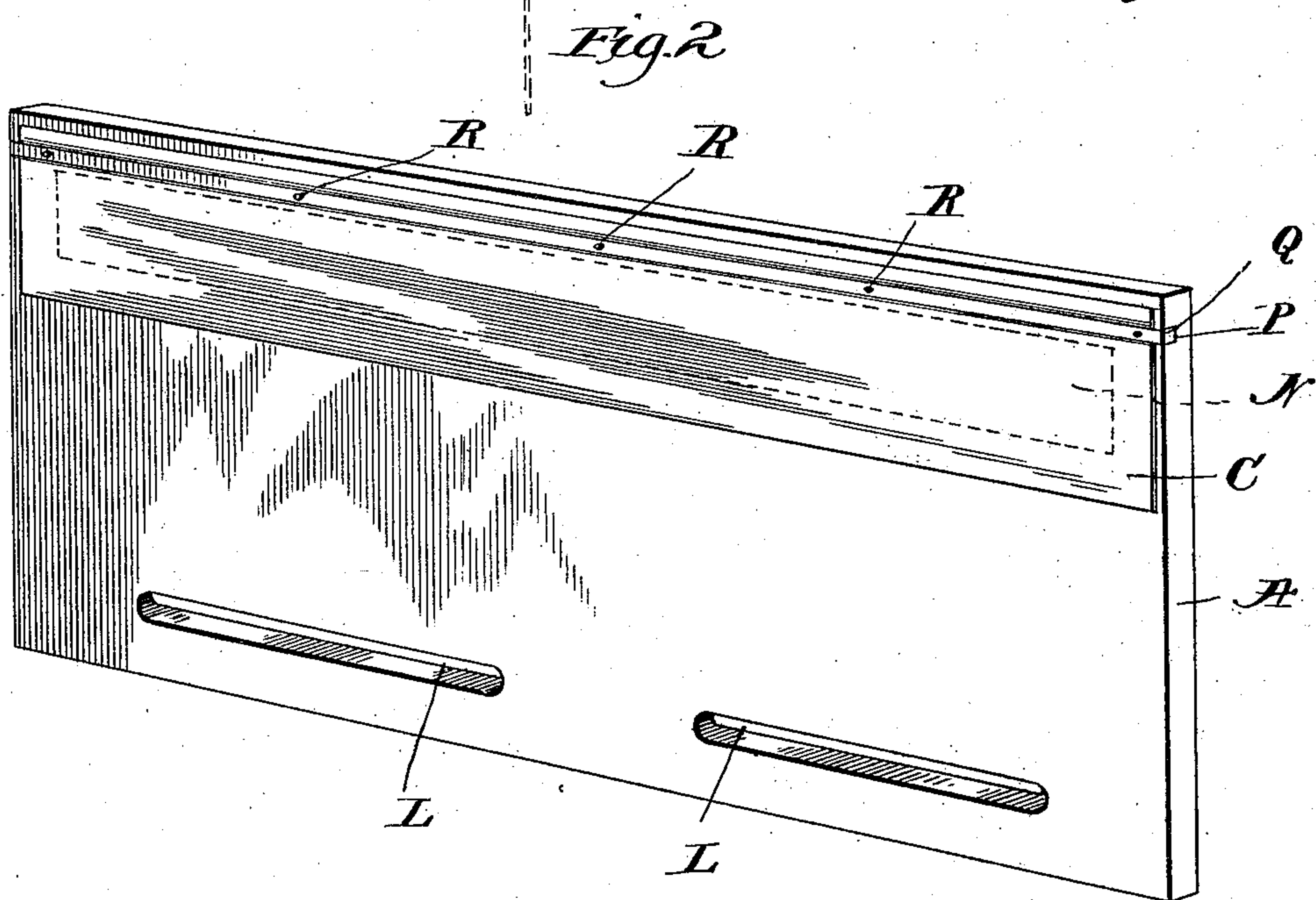
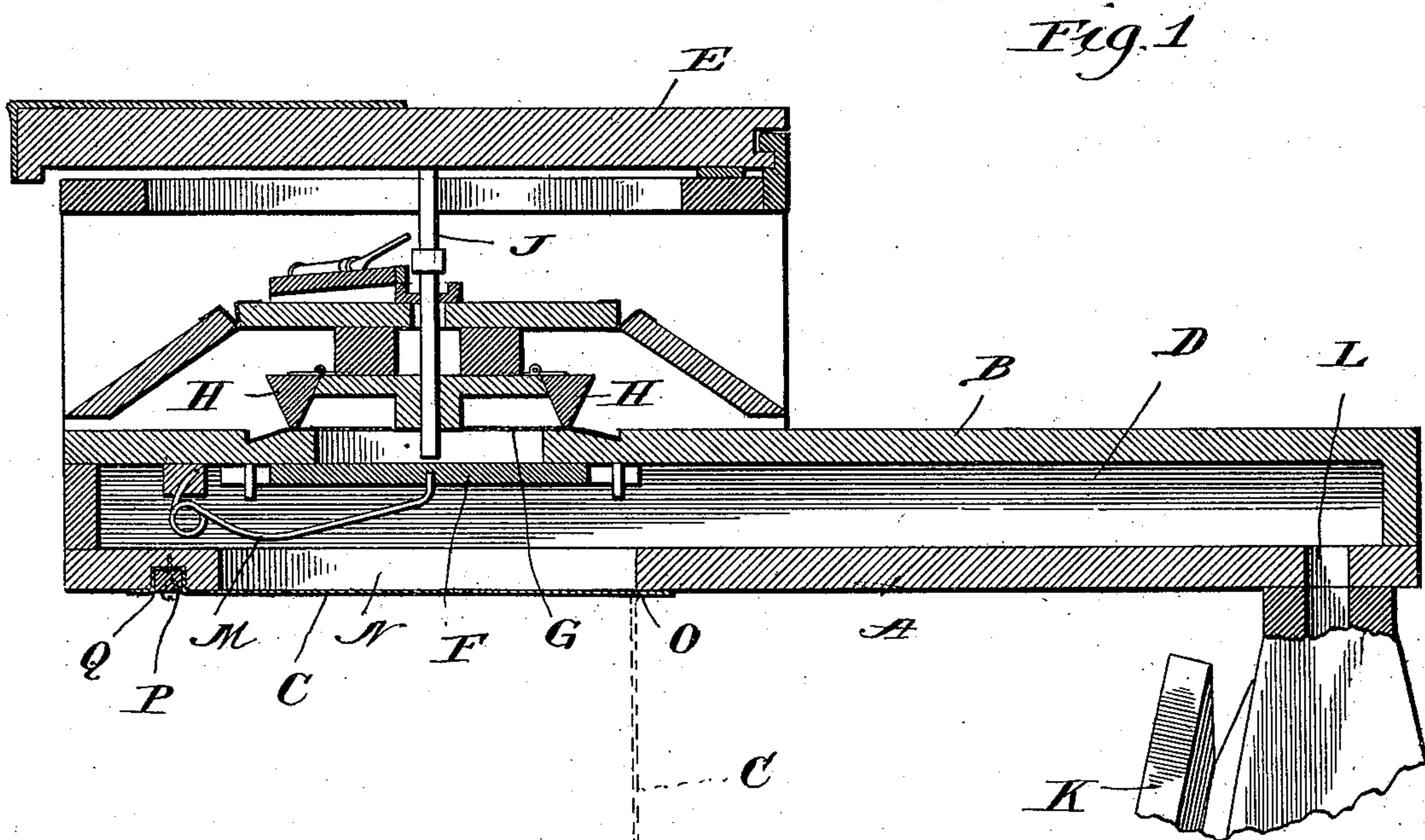
No. 689,770.

Patented Dec. 24, 1901.

A. L. WHITE.
REED ORGAN.

(Application filed Feb. 16, 1901.)

(No Model.)



Witnesses
J. A. Paulschmitt
G. H. Glendening

Inventor
Albert L. White
By Brown & Darby
Attys.

UNITED STATES PATENT OFFICE.

ALBERT L. WHITE, OF CHICAGO, ILLINOIS.

REED-ORGAN.

SPECIFICATION forming part of Letters Patent No. 689,770, dated December 24, 1901.

Application filed February 16, 1901. Serial No. 47,693. (No model.)

To all whom it may concern:

Be it known that I, ALBERT L. WHITE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Reed-Organs, of which the following is a specification.

This invention relates to organs.

The object of the invention is to provide means for facilitating access to the valves or other parts of organ-actions.

A further object of the invention is to provide means for avoiding harsh or jerky tones.

Other objects of the invention will appear more fully hereinafter.

The invention consists substantially in the construction, combination, location, and arrangement, all as will be more fully hereinafter set forth, as shown in the accompanying drawings, and finally pointed out in the appended claims.

Referring to the accompanying drawings, Figure 1 is a view in transverse section of an organ-action, showing the application thereof to a construction embodying the principles of my invention. Fig. 2 is a detached detail view in perspective of the foundation-board, showing in dotted lines the opening there-through and the flexible covering for such opening and means for securing said covering to such board.

The same part is designated by the same reference-sign wherever it occurs throughout the several views.

Reference-sign A designates the foundation-board of an organ-action; B, the sounding-board; D, the chamber; E, the key; F, the valve; G, the reeds; H, the mutes; J, the rod actuated by the key when the latter is depressed for unseating the valve F against the action of a spring or other suitable device, (indicated at M,) and K the bellows communicating with chamber D through openings L.

The parts so far described may be of the usual or ordinary or any suitable or convenient construction and arrangement and in the specific details thereof form no part of my present invention.

It is important and desirable to provide means for gaining ready access to the valves and valve-springs without necessitating the

removal of the organ-action from the case or without disturbing any of the parts. To accomplish this result, I provide an opening or passage N through the foundation-board A at a point directly underneath the valves F, said opening extending from a short distance from one end of the foundation-board to within a short distance of the opposite end of said board and transversely of the valves and of a width approximating the length of the valves, and I provide a removable cover C for such opening. In practice I prefer to employ for such cover a suitable elastic material—such, for instance, as rubber sheeting—being applied to the under side of the base-board, as clearly shown. A convenient and preferable arrangement or means of attachment of said cover, but to which my invention is not to be limited or restricted, is to suitably glue or otherwise permanently secure one edge of the flexible sheet or strip C, as at O, to the under surface of the base-board A and adjacent to and parallel with one edge of the opening N, and I detachably secure the other edge of the flexible sheet or strip on the opposite side of said opening. A convenient arrangement for securing the detachable edge of the sheet or strip is shown; but my invention is not to be limited or restricted to such construction wherein I provide a recess or groove P in the under surface of the base-board A, adapted to receive a locking-key Q, the function of which is to clamp the detachable edge of the flexible sheet or strip C therein. The key Q may be held in place by screws R or other suitable or convenient securing devices.

The operation of my invention is as follows: When access to the valves or valve-springs is desired, the key Q is removed, thus permitting one edge of the flexible sheet C to become detached, as indicated in dotted lines in Fig. 1, and permitting access through the opening N to the valves or valve-springs, and after the desired examination, inspection, repair, or the like the opening N is again closed by replacing the sheet C in covering relation with respect to the opening N and replacing the locking-key Q in the slot or seat P in the base-board.

It will be observed that the opening N through the base-board A enlarges the cham-

ber D at a point immediately below the valves and reeds. It will also be observed that the provision of a flexible and elastic cover enables a desirable yielding in case the escape-valve of the bellows should fail to operate properly, while at the same time the provision of the opening or passage N gives ready and convenient access to the valves and valve-springs without removal of the action and bellows from the case, thus enabling any repair or renewal or replacement of the valves or reeds to be effected quickly, easily, and conveniently.

Having now set forth the object and nature of my invention and a construction embodying the principles thereof, what I claim as new and useful and of my own invention, and desire to secure by Letters Patent of the United States, is—

1. In a reed-organ, the combination with a sounding-board, keys, reeds and valves, of a foundation-board provided with an opening therethrough at a point immediately beneath the valves, and a detachable covering for closing said opening, as and for the purpose set forth.

2. In a reed-organ, the combination with a sounding-board, keys, reeds, and valves, of a foundation-board provided with an opening therethrough at a point immediately beneath the valves, and an elastic cover for such opening, said cover being detachably connected to said foundation-board and removable therefrom to afford access to said valves, as and for the purpose set forth.

3. A reed-organ having a sounding-board, keys, reeds and valves, in combination with a foundation-board provided with an opening therethrough at a point immediately beneath the valves, and a detachable flexible and elastic cover for closing said opening, as and for the purpose set forth.

4. A reed-organ having a sounding-board, keys, reeds and valves, in combination with a foundation-board provided with an opening therethrough at a point immediately beneath the valves, a sheet or flap arranged to form a covering for such opening, said sheet or flap

permanently secured to said foundation-board at one end or side of said opening, and means for detachably securing said sheet or flap to said foundation-board at the opposite side of said opening, as and for the purpose set forth.

5. A reed-organ having a sounding-board, keys, reeds and valves, in combination with a foundation-board provided with an opening therethrough at a point immediately beneath the valves, a flexible sheet or flap arranged to form a covering for closing said opening, said sheet or flap being permanently attached along one edge thereof to said foundation-board on one side of said opening, and means for detachably securing the other edge of the sheet or flap to said foundation-board at the opposite side of said opening, as and for the purpose set forth.

6. A reed-organ having a sounding-board, keys, reeds and valves, in combination with a foundation-board formed with an opening therethrough, a flexible and elastic sheet forming a covering for said opening, said sheet or flap permanently secured to said foundation-board on one side of said opening, and a removable key for detachably holding the other edge of said sheet on the opposite side of said opening, as and for the purpose set forth.

7. A reed-organ having a sounding-board, keys, reeds and valves, in combination with a foundation-board provided with an opening therethrough and extending transversely of the valves and of a width approximating the length of said valves, said opening being located immediately beneath the valves, and a detachable, flexible and elastic sheet forming a covering for said opening, as and for the purpose set forth.

In witness whereof I have hereunto set my hand, this 11th day of February, 1901, in the presence of the subscribing witnesses.

ALBERT L. WHITE.

Witnesses:

ORVAL LIKE,
GERTRUDE B. ARNTZEN.