

L. K. FULLER.

REED-ORGAN.

No. 175,447.

Patented March 28, 1876.

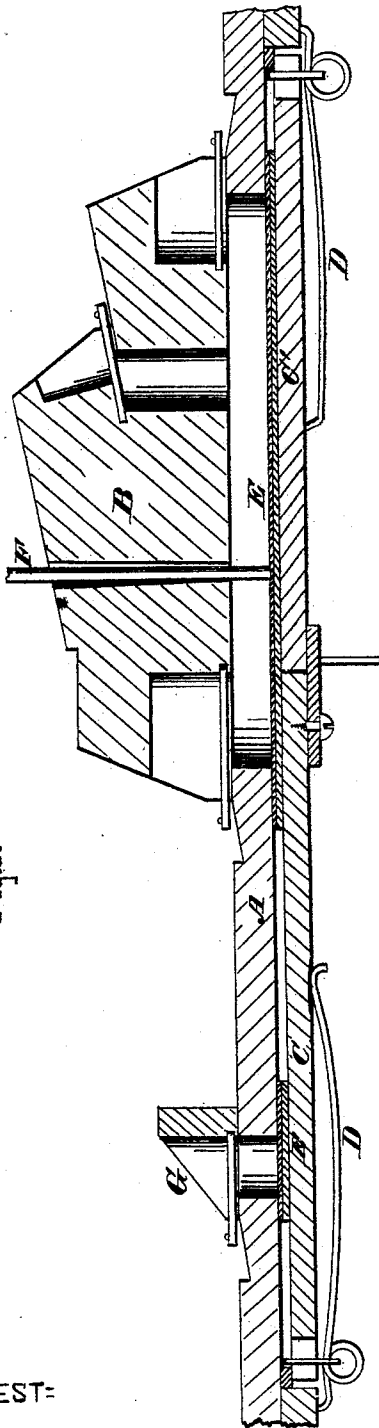


Fig. 1.

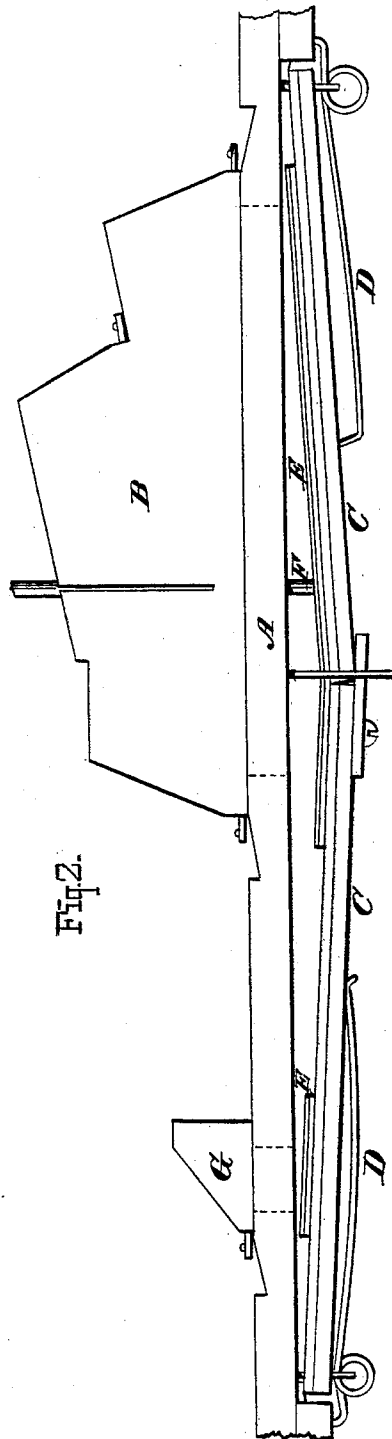


Fig. 2.

ATTEST:

Arthur C. Fraser.

Thomas Keigharn

INVENTOR:

Levi K. Fuller
Per Burke & Fraser
Atty.

UNITED STATES PATENT OFFICE.

LEVI K. FULLER, OF BRATTLEBOROUGH, VERMONT, ASSIGNOR TO
J. ESTEY & CO., OF SAME PLACE.

IMPROVEMENT IN REED-ORGANS.

Specification forming part of Letters Patent No. **175,447**, dated March 28, 1876; application filed
February 23, 1876.

To all whom it may concern:

Be it known that I, LEVI K. FULLER, of Brattleborough, in the county of Windham and State of Vermont, have invented, and assigned to J. ESTEY & Co., of the same place, certain Improvements in Reed-Organs, of which the following is a specification:

My invention relates solely to the combination and arrangement of an extra set of reeds, placed on the same foundation-board with the principal sets of reeds, and usually at some distance therefrom, with the said principal sets, and a valve of peculiar construction, especially adapted to this arrangement, and which enables me to operate or control all of the sets of reeds with one set of tracker-pins, as will be hereinafter described.

In the drawings, Figure 1 is a longitudinal vertical section through the reed-cells and closed valve, illustrating my invention. Fig. 2 is a side elevation of the same, showing the valve open.

Let A represent the usual foundation-board of a reed-organ, and B the principal reeds or sets of reeds, which may be arranged in the usual manner. The valve consists of two sections, C C', pivoted at the outer ends in the usual manner, provided with the usual springs D D, and flexibly hinged together at the adjoining inner ends by a continuous strip of flexible packing, E. F is a tracker-pin of the usual kind, which impinges upon the section C'. Pressure upon the tracker-pin raises the valve from its seat, as shown in Fig. 2.

I wish it to be understood that the above-described valve is not my invention, and I do not claim it as such. It forms, however, with other elements which I will now describe, a part of my combination and arrangement.

Mounted upon the same foundation-board A with the principal sets of reeds B in the

same horizontal and vertical planes, and at any convenient distance therefrom, is an extra set of reeds, G, the valve-openings to which are controlled by the same valves and the same tracker-pins that control the principal sets of reeds.

Heretofore various methods have been adopted for effecting the results here obtained; but the long-hinged valve which I use in this combination has never before been so used. Its use enables me to make my combination much simpler in construction and arrangement than any before used, and somewhat cheaper. It is also easier of adjustment and repair, and less liable to become disordered.

My reasons for using the hinged valve is, that a much longer valve can be safely controlled by one tracker-pin than in the case of the old plain valve, and this enables me to place the extra set of reeds at a greater distance from the principal set.

By the use of the hinged valve I get, also, about double the length of opening for the same throw or movement of the tracker-pin.

I claim—

The combination, with the principal sets of reeds B, tracker-pin F, and hinged valve C C', of the extra set of reeds G, mounted upon the same foundation-board with the principal sets of reeds, and in the same planes, controlled by the same valves, and actuated by the same tracker-pins, substantially as specified and shown.

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

LEVI K. FULLER.

Witnesses:

W. S. UNDERWOOD,
W. WM. H. CHILDS.