J. L. DeGOOD.

Organ.

No. 218,618. Patented Aug. 19, 1879.

Fig. 2.

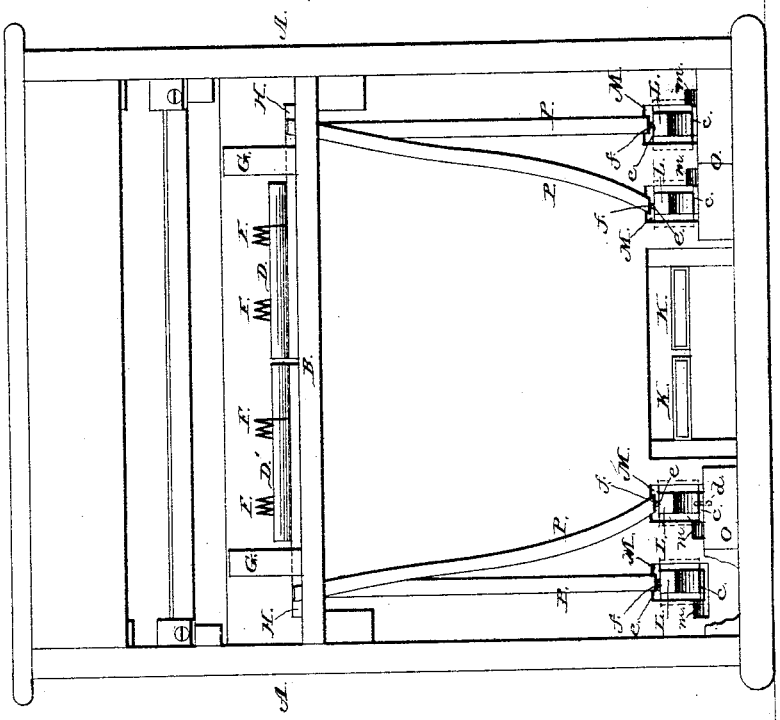
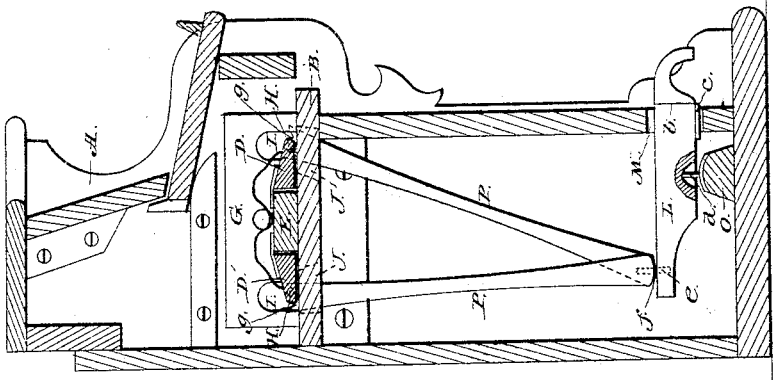


Fig. 1.



WITNESSES

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JOSEPH L. DE GOOD, OF MASSILLON, OHIO.

IMPROVEMENT IN ORGANS.

Specification forming part of Letters Patent No. **218,618**, dated August 19, 1879; application filed November 16, 1878.

To all whom it may concern:

Be it known that I, JOSEPH L. DE GOOD, of Massillon, in the county of Stark and State of Ohio, have invented a new and useful Improvement in Organs; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical sectional view of an organ embodying the improvements in my invention; and Fig. 2 is a rear elevation of the organ, the back of the instrument being removed to show the internal mechanism.

This invention has relation to organ-actions; and it consists in the improvements in the construction of the same hereinafter fully described, and particularly pointed out in the claims.

In the accompanying drawings similar letters of reference indicate corresponding parts in the several figures.

A represents the case of an ordinary cabinet-organ, which may be provided with either single or double reeds, as may be desired. B represents the cross-piece through which the upper ends of the reeds penetrate; and D D′ represent the dampers resting upon the cross-piece B, hinged to a central strip, E, on said cross-piece B, and provided with springs F F′ to hold them down upon the mouths of the reeds, to prevent the latter from sounding. Recessed guards G traverse the cross-piece B near each end upon its upper side, and arms H upon said dampers pass through the recesses I in the guards G. Perforations or slots J are made in the cross-piece B directly under each arm H.

The pedals K, for working the bellows, are located as usual. On each side of the pedals K are located one or more treadles or foot-levers, L, passing through notched openings M in the front of the case A.

In a single reed-organ—that is, one having a single set of reeds—two only of the treadles L are employed, one on each side of the pedals. Where the organ is provided with a double set of reeds two treadles on each side of the pedals are employed, two for the front and two for the rear set of reeds.

The treadles L are made ornamental in the portions exhibited upon the outer portions of the case, are provided with shoulders *b*, have projecting plates *c*, corresponding with the notches *m* in the recesses M, and are removably pivoted on pins *d*, rising from blocks O on the inner side of the case A, and immediately back of the recesses M. The rear ends of the treadles L are perforated at *e* to receive pins *f* in the lower ends of the curved rods P. The upper ends of the curved rods P are bifurcated, as shown at *g*, to receive the arms H on the dampers D D′, the curved rods P passing through the slots J in the cross-piece B for this purpose. In this construction the knee-swell must be located in the center of the organ.

The object of the treadles, curved rods, and dampers, arranged as herein shown and described, is to dispense with the numerous hand-stops heretofore employed in reed-organs, and to operate dampers by the feet, leaving the hands at all times free to manipulate the keys. When one or either of the treadles has been depressed by the foot to raise the damper connected with it, the treadle should be pushed outward or toward the end of the case, to cause the plate on its under face to enter the notch at the side of the recess, which will hold the damper elevated without the necessity of keeping the foot upon the treadle, and the foot may be then employed to work the treadle.

To release the treadle an inward movement or one the reverse of that which secured the treadle must be made by the foot to release it.

The advantages of the invention are obvious. It possesses cheapness, simplicity, efficiency, and durability, and may be made as ornamental as other constructions.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

1. In a reed-organ, the combination, with the dampers D D′, of the curved and bifurcated rods P P and the treadles L, all con-

structed and relatively arranged to operate substantially as and for the purpose herein shown and described.

2. In a reed-organ, the combination of the centrally-pivoted treadles L, having plates *c*, the front of the organ-case provided with the recesses M *m*, with the curved rods P P and dampers D D′, substantially as and for the purpose herein shown and described.

In testimony that I claim the foregoing improvements, as above described, I have hereunto set my hand and seal this 5th day of November, 1878.

JOSEPH L. DE GOOD. [L. S.]

Witnesses:
L. C. COLE,
J. H. WHITERAFT.