

(No Model.)

F. W. HEDGELAND.
BLOWING APPARATUS FOR ORGANS.

No. 470,242.

Patented Mar. 8, 1892.

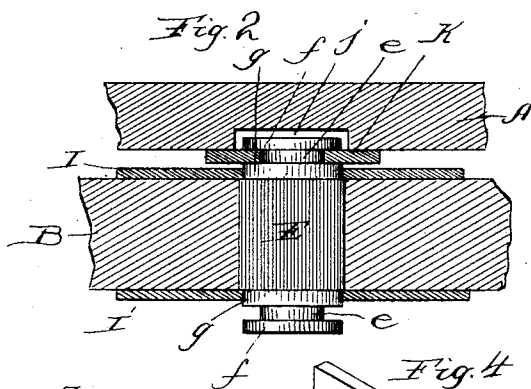
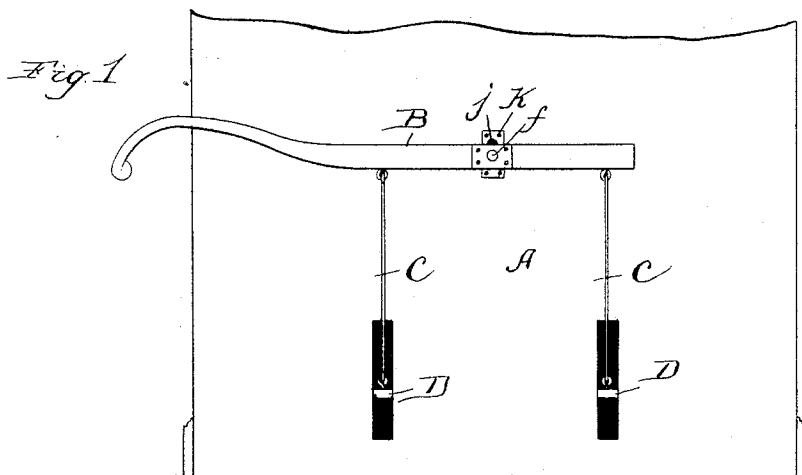


Fig. 3.

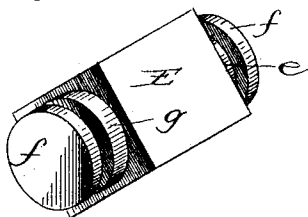
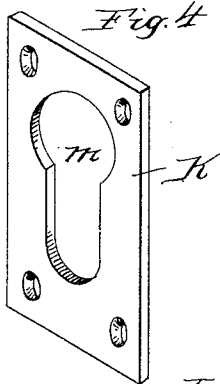


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

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BLOWING APPARATUS FOR ORGANS.

SPECIFICATION forming part of Letters Patent No. 470,242, dated March 8, 1892.

Application filed November 20, 1891. Serial No. 412,474. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK W. HEDGELAND, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Blowing Apparatus for Small Organs, of which the following is a specification.

The ordinary small pipe-organ and also the larger sizes of cabinet-organs are provided with hand-levers for filling the bellows, located, usually, at one of the rear corners of the instrument. Room must be provided for the person blowing the organ at the corner where the lever is located. It is sometimes inconvenient to provide room at the side of the instrument where the lever is located, while it often is the case that full opportunity for blowing is afforded at the other side of the organ, this depending upon the location of the organ and the size, shape, &c., of the gallery, recess, or other place where the organ is to be used. It will thus be seen that if the organ could be blown from either side, according to the necessities of the case, it could be advantageously placed many times where it cannot now be, because as now constructed it can only be blown from one side. My invention is designed to remove this difficulty, and I accomplish it by providing the organ with a reversible lever—that is to say, a lever which can be attached to the organ in such way as to be operated from whichever side is most convenient or desirable.

The details of my invention will be understood from the accompanying drawings, wherein—

Figure 1 is a partial elevation of the back of the organ. Fig. 2 is an enlarged horizontal section of the lever, pivot, and its bearing. Fig. 3 is a perspective of the pivot detached, and Fig. 4 a like view of the bearing.

In the drawings, A represents the back of any organ.

B is the hand-lever for blowing the organ, and it is connected by the wire rods C to the feeders D of the bellows. The lever is pivoted to the organ midway between the connecting-rods C, so that when the lever is operated it will alternately collapse and spread the feeders, one being collapsed while the other is be-

ing opened, and vice versa. As thus far described the lever is of the ordinary construction; but in order to enable its use at either side of the organ I provide it with a pivot at each side, which is adapted to enter and work in a bearing provided in the organ-case, so that when the organ is positioned for use the lever may be applied so as to be operated from the side which is most convenient or most desirable. I prefer to provide a double stud-pivot, as illustrated, the same consisting of an angular center E, carrying a pivot portion *e* at each end and an outstanding head or button *f* outside of each pivot. Between the pivotal portions *e* and the center E may be located a circular side bearing *g*. The central portion E is let into the body of the bar and is of such length as to extend through the same, and it is positioned and confined in the bar by plates I, secured to the sides of the bar. Over a recess *j* in the back of the organ-case is located a slotted metal plate K, the slot *m* in which much resembles a key-hole opening, the opening being circular at the top, with a narrow extension below. This extension is just wide enough to receive the pivot portions *e*, and at the bottom it is rounded to fit the pivots. The upper or circular portion of the slot is made large enough to admit the button or head *f*. With this construction of the parts the lever is readily attached to the organ for use by inserting the pivot through the enlarged upper part of the plate K and then allowing it to drop until the pivot *e* rests in the bottom of the slot *m*. When the pivot and button are thus inserted in the plate K, the lever may be operated in the ordinary manner, and it is securely held against becoming detached while in use by reason of the engagement with the plate K of the button *f*; but it may be readily unshipped whenever desired.

Of course the connecting-rods C should be detachable either from the lever or from the feeders, and as they are attached to those parts by bending their ends over into hooks and inserting such hooks through eyes secured in the lever and feeders this detachability is easily obtained, and it is rendered a matter of but a moment's time to secure the lever for operation or to change it from one side to the

other. Of course it is desirable that the organ be provided with a wind-indicator at each side, which is a matter of small expense, or with an indicator which can be applied at either side. I have not deemed it necessary to illustrate this feature.

The pivotal parts of my lever are very simple, strong, and not likely to get out of order or give way.

10 I claim—

1. The combination, with an organ, of a bellows-lever adapted to be used from either side of the organ, as circumstances may require, substantially as set forth.

15 2. The combination, with an organ, of a reversible bellows-lever, substantially as set forth.

3. The combination, with an organ, of a bellows-lever provided with stud-pivots at each side, substantially as set forth.

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4. The combination, with an organ having a bearing-plate K, of a bellows-lever having a stud-pivot *e f*, substantially as set forth.

5. The combination, with an organ having a bearing-plate K, of a bellows-lever having stud-pivots *e f* at each side, substantially as set forth.

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6. The combination, with an organ, of a detachable and reversible bellows-lever, substantially as set forth.

FREDERICK W. HEDGELAND.

Witnesses:

EMMA HACK,
H. M. MUNDAY.