

O. C. Whitney.

Organ Swell.

N<sup>o</sup> 106,284.

Patented Jul. 12, 1870.

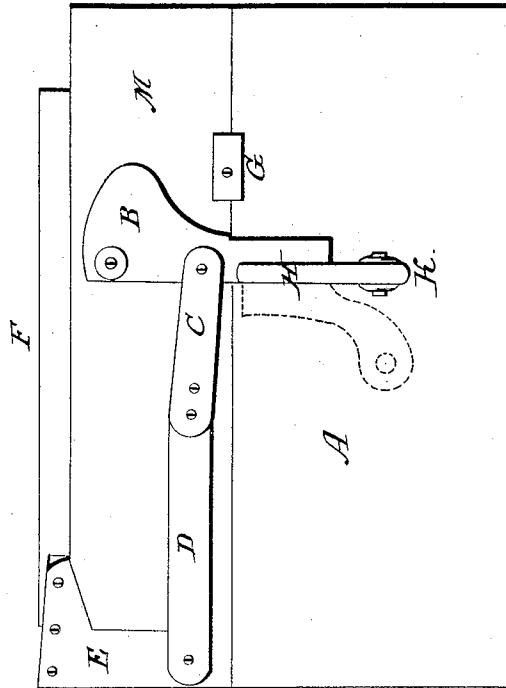


Fig. 2.

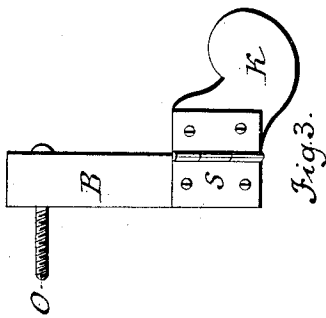


Fig. 3.

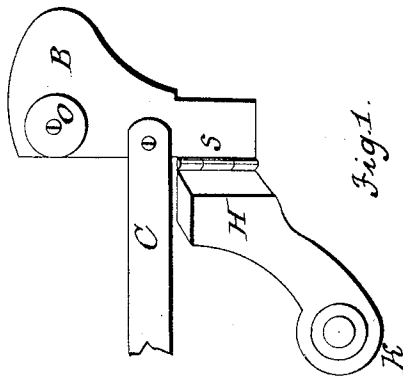


Fig. 1.

Witnesses.

A. B. Richmond.

Roe Reisinger.

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# United States Patent Office.

ORISON C. WHITNEY, OF MEADVILLE, PENNSYLVANIA.

Letters Patent No. 105,284, dated July 12, 1870.

## KNEE-LEVER FOR MELODEON OR ORGAN-SWELL.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, ORISON C. WHITNEY, of the city of Meadville, in the county of Crawford, State of Pennsylvania, have invented a new and improved Knee-Lever for Knee-Swells for Organs and Melodeons, which I verily believe has never before been known or used, and that the following is a full and exact description of the same, reference being had to the accompanying drawing and the letters of reference marked thereon.

The ordinary way of constructing a knee-lever is by attaching it by a hinge to the frame of the organ, and having it so adjusted that, when opened out, it rests against the lever that operates the swell-valve, F, and, when turned back out of the way, it has no connection with the lever. By this arrangement it is evident that it can only operate the lever when in one position, but by my invention the knee-lever is hinged to the lever that operates the swell-valve in such a way that it can be turned out or in, and yet be used at any time or position to operate the valve.

Figure 2 represents the front of the organ or melodeon, with the cover removed, to better show the position of the lever B, that works the swell-valve F, by means of the connections D C, the L-shaped lever E.

To the lower end of the lever B the knee-lever H

K is hung by a hinge, S, (see Figure 1,) in such a manner that, when not in use, it can be turned back under the action out of the way. The position, when turned back, is shown at fig. 1, and dotted lines fig. 2.

Figure 3 represents a side view of my knee-lever when the same is turned out, showing the hinge at S, the edge of the lever B, and the screw O, by which the lever B is attached to the action M.

It will be seen by fig. 1 that, although the knee-lever H K is turned back under the action, that it is still attached to the lever B, so that a touch of the hand or knee at K will operate the lever B in the same manner as if H K was turned out, as shown at fig. 2.

The dotted lines, fig. 2, shows the knee-lever H K turned back in the position of fig. 1, and it will be seen that, in that position, the lever B can be equally well operated.

What I claim as my invention, and desire to secure by Letters Patent, is as follows, to wit:

The construction of the knee-lever H K, attached to the lever B, by means of the hinge or joint S, when constructed as described, for the purposes set forth.

ORISON C. WHITNEY.

Witnesses:

A. B. RICHMOND,  
ROE REISINGER.