

M. J. Kerigan,

Organ Tremolo.

No. 101,742,

Patented Apr. 12, 1870.

Fig. 1.

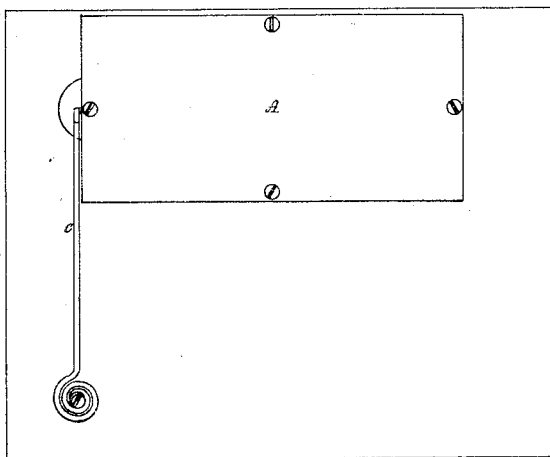


Fig. 2.

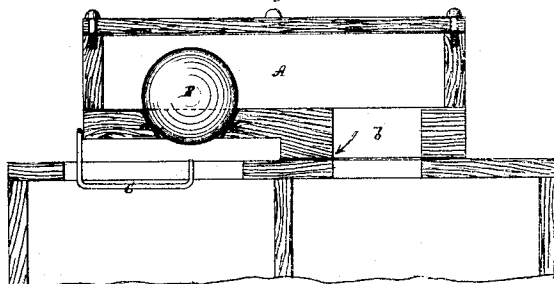
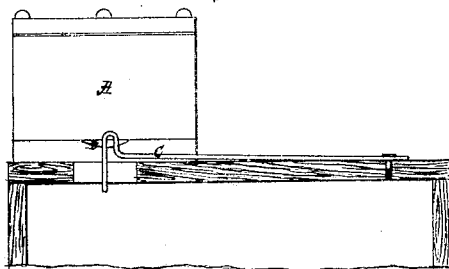


Fig. 3.



Witnesses.

S. H. Piper.

J. Brown.

M. J. Kerigan.

by his attorney

R. H. Hedy.

United States Patent Office.

MICHEAL JAMES KERIGAN, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 101,742, dated April 12, 1870.

TREMOLO ATTACHMENT FOR REED OR PIPE-ORGANS.

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

To all persons to whom these presents may come:

Be it known that I, MICHEAL JAMES KERIGAN, of Boston, of the county of Suffolk and State of Massachusetts, have invented a new and useful Tremolo Attachment for Reed or Pipe-Organs; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view;

Figure 2, a longitudinal section; and

Figure 3, a transverse section of it.

In such drawings—

A represents a close box or chamber, having two openings, *a b*, through its bottom. Such box or chamber is to be so connected with the reed-chambers of a reed-organ that the wind, after being drawn by the bellows through any reed-opening and chamber, shall be caused, in its passage from the reed-chamber to the bellows, to pass up through the opening *a*, thence through the chamber A and thence out of the opening *b*.

The said opening *a* is to be conical or a spherical section, to operate as a seat for a light ball or sphere, B, which is to rest in and upon the seat in manner as represented, the seat being cushioned or covered around

its periphery with a layer of cloth or other proper material.

A wire or spring, C, is arranged underneath the ball B, and in other respects in manner so as to enable a performer on the instrument to raise the ball by such wire or spring off its seat, as occasion may require.

This ball will serve not only the purpose of a valve, but may be caused to act as a tremolo, as the player, by pressing up the ball a little, will enable the current of air to keep the ball in vibration vertically on its seat, in a manner to effect the desired tremolo sound of the reed or reeds.

The cover or top of the box A should be so arranged as to prevent the ball from being thrown out of its seat.

I find the "ball-tremolo attachment" far superior in several respects to the common valve-tremolo.

I claim as my invention—

The combination and arrangement of the ball B, the box-conduit A, and the ball-lifter, substantially as described, the whole constituting a tremolo attachment for reed-organs or other musical instruments.

Witnesses: MICHEAL JAMES KERIGAN.

R. H. EDDY,
J. R. SNOW.