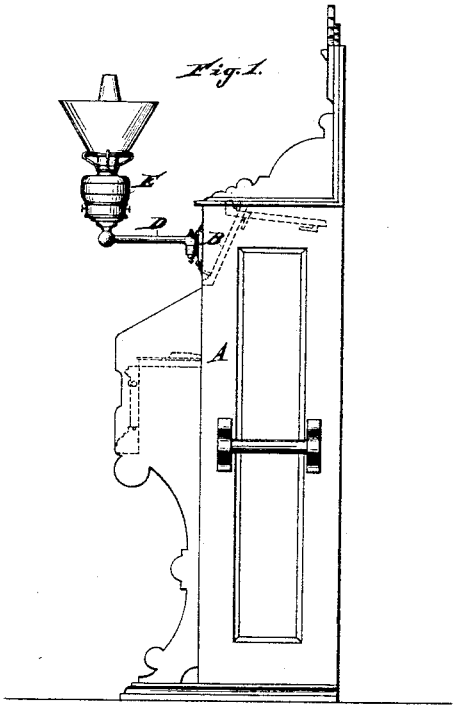
(No Model.)

E. S. VOTEY.

ORGAN CASE.

No. 348,505. Patented Aug. 31, 1886.

Fig. 1.



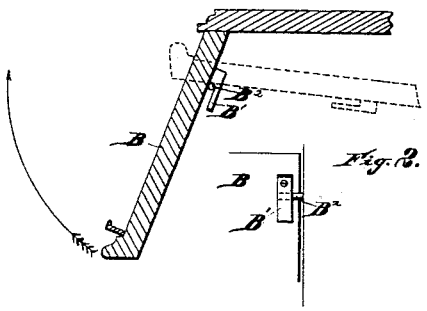


Fig. 2.

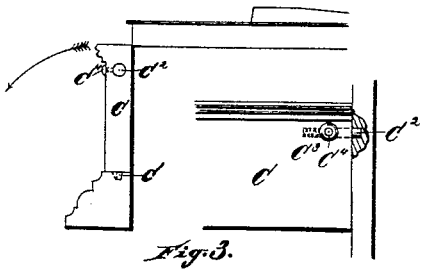


Fig. 3.

WITNESSES

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UNITED STATES PATENT OFFICE.

EDWIN S. VOTEY, OF DETROIT, MICHIGAN, ASSIGNOR TO THE WHITNEY ORGAN COMPANY, OF SAME PLACE.

ORGAN-CASE.

SPECIFICATION forming part of Letters Patent No. 348,505, dated August 31, 1886.

Application filed October 29, 1884. Renewed February 6, 1886. Serial No. 191,082. (No model.)

To all whom it may concern:

Be it known that I, EDWIN S. VOTEY, of Detroit, county of Wayne, and State of Michigan, have invented a new and useful Improvement in Organ-Cases; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form a part of this specification.

My invention consists of the combinations of devices and appliances hereinafter specified, and more particularly pointed out in the claims.

My invention relates particularly to improvements in the organ-case, rather than to the movement.

In the drawings, Figure 1 is a side elevation of an organ-case involving my invention, and showing parts in elevation. Fig. 2 is a separate view illustrating the details by which the desk-frame is secured to the case. Fig. 3 is a separate view illustrating in detail the means by which the key-slip is connected with the case.

The object of my invention is to provide means whereby that portion known as the "desk-frame" may be readily secured in place, removed from its place, or lifted up and thrown back for the purpose of gaining access to the interior parts of the organ without the necessity of using a screw-driver and without the employment of screws or other similar permanent fastenings; also, in providing that portion known as the "key-slip" with latches, bolts, or other equivalent fastenings, by which the same may be quickly secured in place or removed from the frame without the necessity of screw-drivers and without the necessity for the use of screws or other similar fastenings.

Heretofore in the construction of organ-cases it has been customary with respect to those parts which have to be removed to gain access to the interior to fasten them in place with screws. The removal and replacing of these parts require considerable time, and each time serves in a greater or less degree to mar the exterior finish of the case. Injury is also frequently done by the screw-driver coming into contact with the finished surfaces. Moreover, the screws are frequently forced home so strongly as to strip the wooden threads with which they engage. This results in a positive injury, because the part cannot thereafter be properly secured in place, and, being loose, is apt to produce a disagreeable vibration. I overcome these difficulties as follows:

A represents the usual frame-work of an organ-case.

B represents the part I term the "desk-frame."

C is what I term the "key-slip," being the removable section immediately beneath the keys.

D represents a lamp-bracket, and E the lamp. The said lamp-bracket and lamp constitute the subject-matter of another application for Letters Patent of even date herewith.

I provide the desk-frame with a hook-formed cleat, B', which is fastened to its rear side a little below its upper edge. A similar cleat is secured to both ends of the desk-frame. These cleats engage pins B^2, which project inwardly from the ends of the case, as shown more particularly in Fig. 2. It is thus apparent that the desk-frame may be swung up around these pins B^2 as pivots, and so access can be had to the interior; or it may be turned up about the pins and then the whole desk-frame be slid back over the pins, as indicated in dotted lines; or after having turned the desk-frame up about the pins, and having slid it back sufficiently far to disengage the pins from the cleats, the desk-frame may be lifted slightly and taken entirely out in front. The pins and cleats form a perfectly secure fastening at all times, yet the structure, as above explained, is such as to admit of quickly removing or opening the desk-frame without the employment of screw-drivers or any other tools.

The key-slip C is provided at its lower edge with dowel-pins C', adapted to engage corresponding dowel-holes in the frame A. Near the upper edge of the key-slip, and at both ends of the same, I locate suitable latches, which engage with the frame A. These latches or catches may be of any desired form, although a very simple and inexpensive device is that shown in the drawings, in which C^2 is

a cylindrical pin housed in a corresponding cylindrical opening. A spiral spring, C^3, serves to project the pin into the frame A, while a button, C^4, serves to retract the pin when it is desired to remove the key-slip from the organ-frame. This button also permits a neat exterior finish. When it is desired to remove the key-slip, it is only necessary to withdraw the bolts or pins C^2 and to turn the key-slip out around its lower edge until it can be lifted to disengage the dowel-pins.

The above construction enables the key-slip to be quickly removed or inserted in place without the use of screw-drivers or any other tools.

What I claim is—

1. In an organ-case, the combination of a desk-frame provided with hooks or cleats, and pins connected with the case for said cleats to engage with, the said pins and cleats being arranged, substantially as described, so that when the desk-frame is turned on said pins it may be moved backward or lifted and removed from the case without disturbing the case-top, substantially as described.

2. The combination, with an organ-case, of a key-slip provided with a bolt or catch adapted to be operated by the hand to lock and unlock the slip to the case, substantially as described.

3. The combination, with an organ-case, of a key-slip provided with dowels and with spring-actuated bolts to engage with sockets in the case to lock and unlock the slip to the case, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

EDWIN S. VOTEY.

Witnesses:
J. S. BENTLEY,
E. H. WESTON, Jr.