

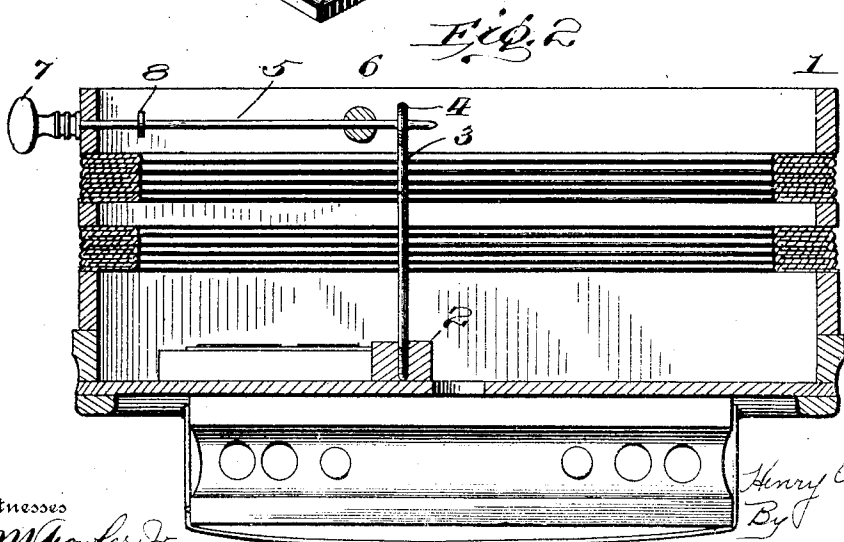
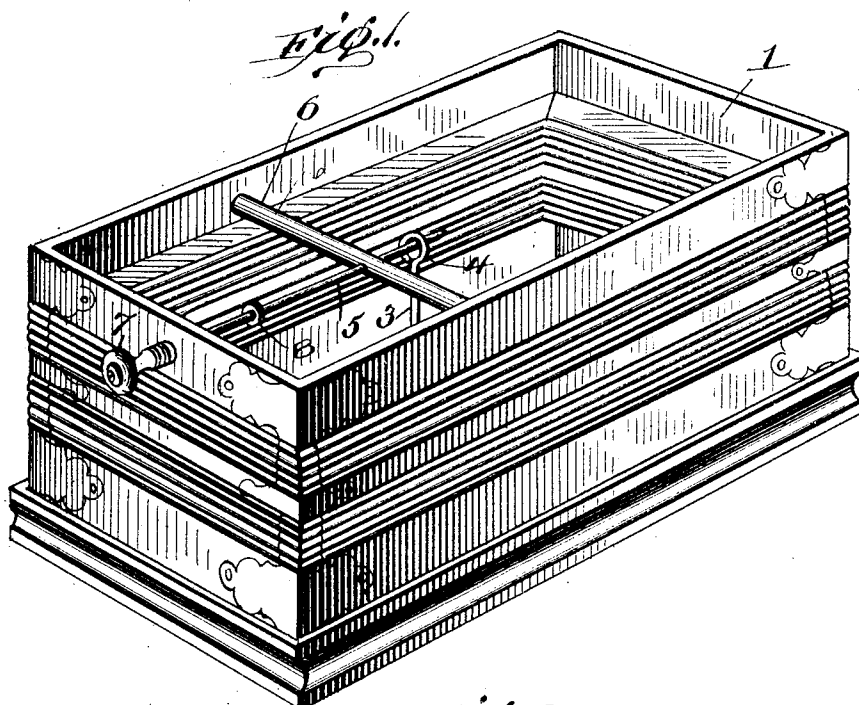
No. 778,145.

PATENTED DEC. 20, 1904.

H. A. PRICE.
ACCORDION LOCK.

APPLICATION FILED APR. 23, 1904.

NO MODEL.



Witnesses

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UNITED STATES PATENT OFFICE.

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ACCORDION-LOCK.

SPECIFICATION forming part of Letters Patent No. 778,145, dated December 20, 1904.

Application filed April 28, 1904. Serial No. 205,327.

To all whom it may concern:

Be it known that I, HENRY A. PRICE, a citizen of the United States, residing at New York city, in the borough of Manhattan and State of New York, have invented certain new and useful Improvements in Accordion - Locks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in locks, and particularly to locking devices adapted especially for use in connection with accordions.

The object of the invention is the provision of means for retaining an accordion in a closed condition, such means being arranged within the instrument and being operable from the outside of the instrument.

With this and further objects in view the invention comprises certain novel constructions, combinations, and arrangements of parts, as will be hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 represents a perspective view of a locking device embodying the features of the present invention, the same being illustrated as applied to an accordion and parts of the accordion being omitted. Fig. 2 represents a longitudinally central vertical section taken through the parts disclosed in Fig. 1.

Referring to the drawings by numerals, 1 indicates any of the common and well-known forms of accordions, carried by one end of which is a block 2, which block may be arranged in any suitable position as found most convenient for avoiding interference with the reeds. A rod 3 is threaded into the block 2 or otherwise detachably connected therewith. The engagement of the rod 3 with the block 2 is not only detachable but adjustable, so that the rod 3 may be adjusted longitudinally for taking up any play, as will be hereinafter set forth. The free end of the rod 3 is formed with an eye 4, adapted to in operation receive a locking-bolt 5, horizontally longitudinally slidably carried by the

end of the accordion 1 opposite that carrying block 2. A transverse bracing-rod 6 extends across the accordion 1 at the end carrying the bolt 5, and said brace-rod 6 is apertured and the bolt 5 extended therethrough, the opposite end of said bolt being extended through the wall of the accordion 1 and being provided at its outer end with a suitable operating-rod 7, the said wall and brace-rod serving to guide the bolt 5 in its movement and preventing any lateral play thereof. The bolt 5 is preferably provided with a stop 8, adapted in operation to engage the wall of the accordion 1 for limiting the outward stroke of the bolt 5, so that when said bolt is operated the same cannot be retracted to an extent sufficient for causing the same to become disengaged from the brace-rod itself. The eye 4 is arranged with its opening in the horizontal plane of the bolt 5, with the upper wall of the eye as near the horizontal plane of the upper edge of the bolt 5 as will permit easy operation of the parts, the said eye and bolt being in the same horizontal plane, of course, only when the accordion is in a closed condition, as illustrated in the drawings.

In operation when it is desired to play upon the accordion it is only necessary to pull outwardly upon the knob 7, so as to retract the bolt 5 and release the same from engagement with the eye 4, and when it is desired to close the accordion and leave the same in a closed condition it is only necessary after bringing the accordion to a closed condition to press inwardly upon the knob 7, whereupon the bolt 5 is thrust through the eye 4 and locks the parts against movement, the rod 3 being sufficiently stiff and rigid to prevent any undue lateral movement of the parts, and the close contact of the upper edge of the eye with the upper surface of the bolt prevents any undue vertical play of the ends of the bellows. The simple operation moving the bolt 5 horizontally thus effectually locks the parts against any movement, and the release of the lock is as easily accomplished as the locking operation. The vertical adjustability of the rod 3 is of value in connection with the present improved structure, for the reason

that when the parts lose their original stiffness and become more compact the said rod may be threaded a slight distance farther into the block 2 and play of the parts when in a locked condition thus effectually obviated.

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

1. The combination with an accordion, of a transverse brace arranged therein, a locking-bolt extending through one wall of said accordion and through said brace, and locking means carried within the accordion and adapted to be engaged by said bolt for locking the parts in a closed position.

2. The combination with an accordion, of a transverse brace arranged therein, a locking-bolt slidably mounted and extending through one wall of said accordion and through said brace, and locking means carried within the accordion and adapted to be engaged by said bolt for locking the parts in a given position.

3. The combination with an accordion, of a locking member arranged therein, a locking-bolt projecting through the wall of the accordion, means on the outside of said accordion for facilitating reciprocation of said bolt for causing the same to engage and disengage said locking member, and a stop on said bolt for limiting the outward movement thereof.

4. The combination with an accordion, of a locking-bolt longitudinally slidably mounted and extending through the wall of said accordion, and a locking member carried within said accordion and coacting with said bolt, the bolt being adapted to engage said locking

member through longitudinal movement of the bolt.

5. The combination with an accordion, of a longitudinally-movable bolt carried by one end thereof, means retaining the said bolt against lateral play, and locking means carried by the opposite end of said accordion and adapted to be engaged by said bolt for retaining the parts of the accordion in a given position.

6. The combination with an accordion, of an eye carried by one part thereof, a longitudinally-movable bolt carried by another part thereof, and means for limiting said longitudinally-movable bolt against lateral movement, said bolt being adapted to be projected through said eye by its longitudinal movement for locking the parts of the accordion in a given position.

7. The combination with an accordion, of a stiff rod rigidly connected to one end of said accordion and extending toward the other end thereof, an eye at the end of said rod, a longitudinally-movable bolt carried by the opposite end of said accordion than that carrying said rod, and means for limiting said bolt against lateral play, said bolt being adapted to be projected through said eye by longitudinal movement of the bolt.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

HENRY A. PRICE.

Witnesses:

ALBERT J. SCHLISCH,
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