

1,014,159.

Patented Jan. 9, 1912.

Fig. 1.  
a

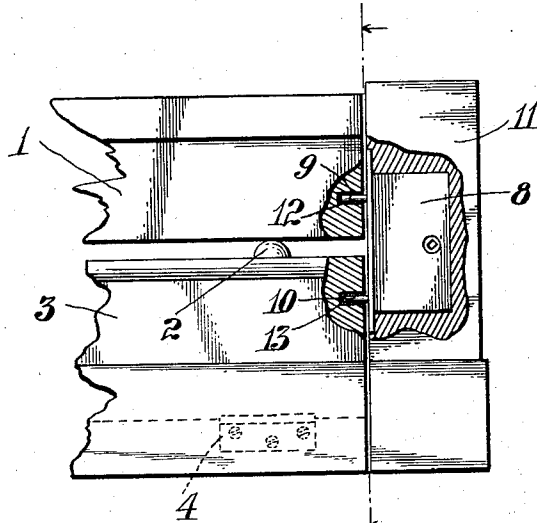
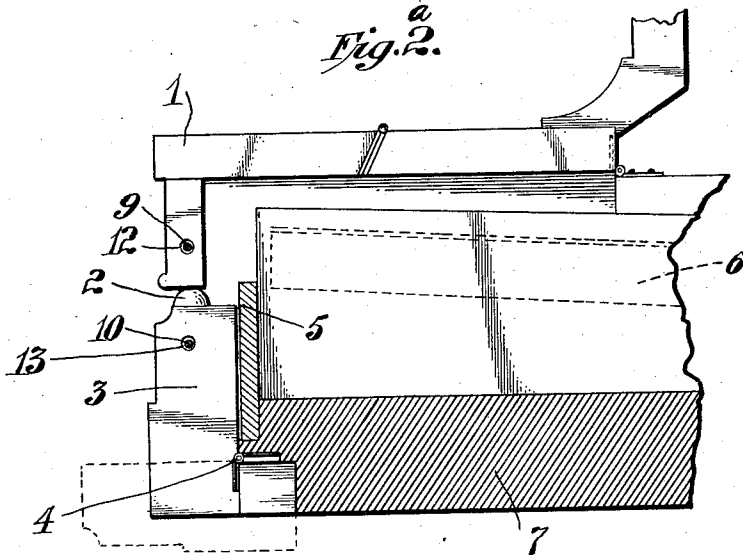


Fig. 2.  
a



Attest:  
*E. Mitchell*  
Raymond Richardson.

C. Logan, Jr. Inventor:  
by *Osbert Green* Esq. Atty.

# UNITED STATES PATENT OFFICE.

CHARLES LOGAN, JR., OF YONKERS, NEW YORK.

LOCK FOR PIANOS.

Patented Jan. 9, 1912.

1,014,159.

Specification of Letters Patent.

Application filed March 24, 1911. Serial No. 616,644.

To all whom it may concern:

Be it known that I, CHARLES LOGAN, JR., a citizen of the United States, and resident of Yonkers, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Locks for Pianos, of which the following is a specification.

This invention relates to new and useful improvements in locks for pianos and particularly to locks for locking the fall board and the folding key-slip of a piano.

The object of my invention is to provide a new and improved piano lock, which by one operation securely locks the fall board and the folding key-slip when both are in closed position, and which is simple in construction, strong, durable and reliable and does not mar the appearance of the piano.

In the accompanying drawings in which like letters of reference indicate like parts in all the figures: Figure 1 is a front elevation of the end part of a fall board and key-slip and part of the side arm of a piano provided with my improved lock, parts being broken away and others in section. Fig. 2 is a vertical transverse view showing the ends of the fall board and folding key-slip, a side view of one key, and a sectional view of the keybed on the line *a-a* of Fig. 1.

The fall board 1, which may be of any conventional construction, when closed rests upon cushions 2 on the upper edge of the key-slip 3 which is hinged at 4 to permit of swinging it downward and outward into horizontal position as shown in dotted lines. When in raised position it is in front of the strip 5 in front of the keys 6 and key bed 7.

A lock 8 of any approved construction, provided with two bolts 9 and 10 is counter-

sunk in the inner side face of one side arm 11 of the piano casing, adjacent to which face the ends of the fall board 1 and key-slip 3 are located when closed.

A metallic socket 12 is countersunk in the end of the fall board and a like socket 13 is countersunk in the end of the key-slip, said sockets being so located that when the said fall board and the key-slip are in closed positions the bolts 9 and 10 can be shot into said sockets to lock the said fall board and key-slip in place. A hole for inserting the key is provided in the front of the arm.

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

1. In a piano, the combination with a fall board, a folding key-slip and a side arm, of a lock within the side arm and having means for engaging the fall board and key-slip, substantially as set forth.

2. In a piano, the combination with a fall board, a folding key-slip and side arm, of a lock in the side arm, two bolts in said lock, for engagement with the fall board and key-slip respectively, substantially as set forth.

3. In a piano, in combination, a fall board, a bolt socket in the end of the same, a folding key-slip, a bolt socket in the end of the same, a side arm, a lock in the same, and two bolts, in said lock, for engagement with said two sockets respectively, substantially as set forth.

Signed at New York city in the county of N. Y. and State of N. Y. this 15th day of March A. D. 1911.

CHAS. LOGAN, JR.

Witnesses:

W. A. McINTYRE,  
CLAYTON WALLACE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."