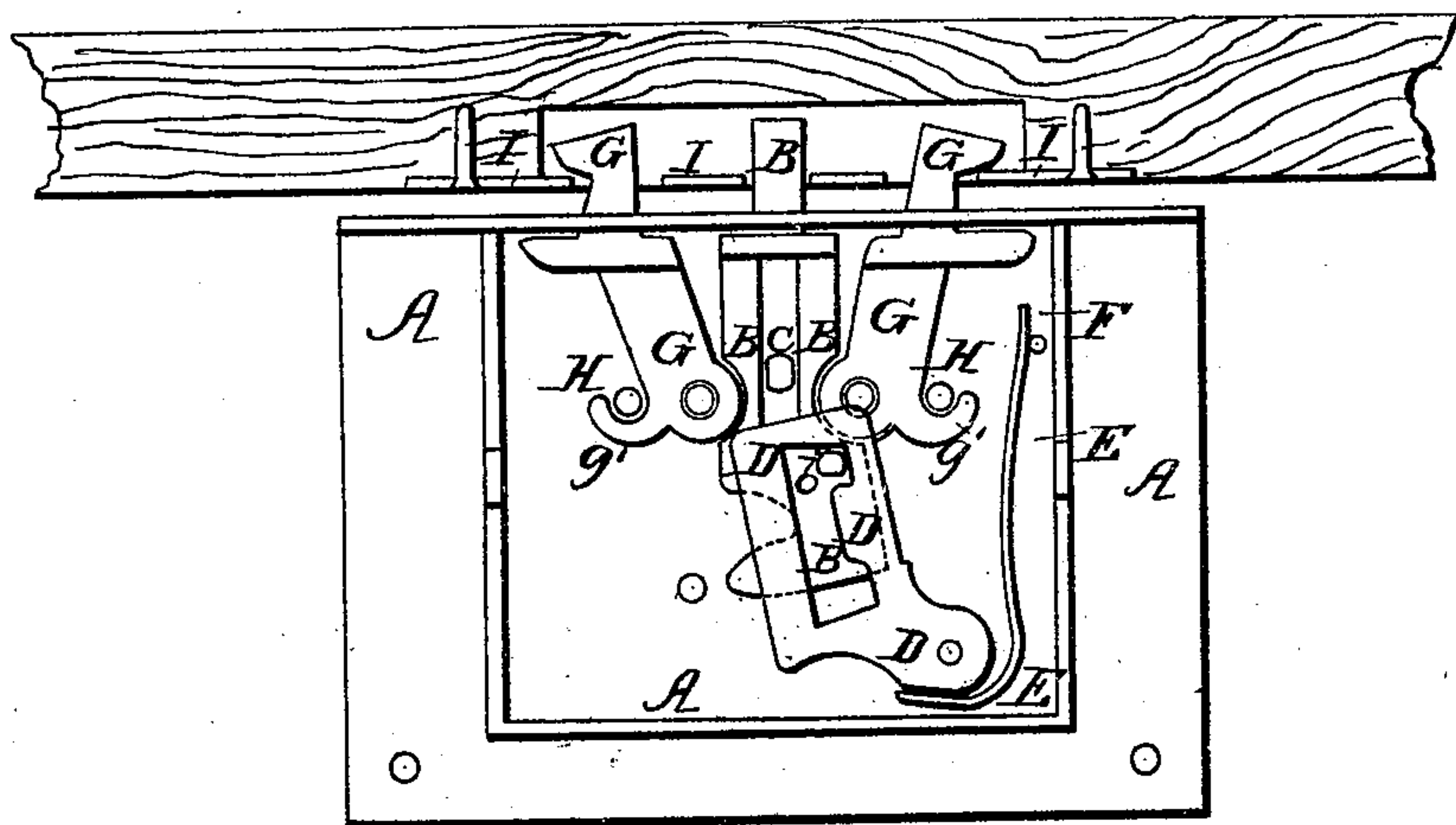


A. F. Pfeiffer

Lock.

No. 87,196.

Patented Feb. 23, 1869.



Witnesses.
Thos. Tinsche.
W. J. Brown.

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A. F. PFEIFER, OF NEWARK, NEW JERSEY.

Letters Patent No. 87,196, dated February 23, 1869.

IMPROVEMENT IN PIANO-LOCKS.

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, A. F. PFEIFER, of Newark, in the county of Essex, and State of New Jersey, have invented a new and useful Improvement in Locks; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which the figure is a side view of my improved lock, the inner case-plate being removed.

My invention has for its object to furnish a cheap, simple, and effective lock, designed especially for piano-locks, sewing-machine cases, and similar uses; and

It consists in the combination of one or more hook or catch-bolts with the straight or sliding bolt of the lock, the whole being constructed and arranged as hereinafter more fully described.

A is the case of the lock, about the construction of which there is nothing new.

B is the straight bolt, which slides out and in, in a vertical line, and the movement of which is limited by the stop-pin C, rigidly attached to the case A, and which passes through a slot in the middle part of the bolt B, so as to limit the movement of the said bolt, and at the same time compel it to move always in a straight line.

Upon one edge of the rear part of the bolt B, is formed a notch, into which the key enters, to throw the bolt forward and back.

The bolt B is secured or locked in both positions by the slotted tumbler D, which is pivoted at the rear end to the case A, and is held forward against the pin or projection *b'*, formed upon or attached to the bolt B, by the spring E, one end of which is attached to the rear end of the tumbler D, and the other or free end of which rests against the stop-pin F, attached to the case A, or against the side of said case.

The spring E holds the tumbler D forward, both when the bolt B is thrown out and when it is drawn in, so that the notches formed at the ends of the slot in

said plate, may take hold of the pin *b'*, and hold the bolt B securely in position until released by pushing the tumbler D back.

The tumbler D is pushed back to allow the bolt B to be moved forward or back, by the key, one of the guards of which strikes the edge of said tumbler, and pushes it back before the key reaches and acts upon the bolt B.

To an ear or shoulder formed upon one or both the side edges of the bolt B, is pivoted the rear end of the hooks or catches G, so that the said hooks or catches may be moved forward and back by the movement of the bolt B.

g' are projections, formed upon the outer sides of the catches G, which, as the said catches G are pushed forward, and have almost reached their limit, strike against the stop-pins H, rigidly attached to the case A, which causes the forward or hooked end of the said catches G to be projected sideways, so as to take hold of the keeper-plate I, attached to the lid or cover which is to be secured, the bolt B preventing the said lid or cover from lateral movement when locked.

In unlocking the lock, the stop-pins H press against the outer edges of the catches G, so that as soon as said catches begin to move inward, they are forced toward the bolt B by the said pins H, and pass out through the slots in the keeper I, without touching said keeper.

I claim as new, and desire to secure by Letters Patent—

The catches G, constructed as described, and pivoted upon each side of the central slotted bolt B, when said catches are provided upon their outer inclined edges with the hooked arms *g'*, adapted to catch under the pins H, in the lock-case, as herein described, for the purpose specified.

A. F. PFEIFER.

Witnesses:

OLIVER R. SMITH,
G. SANDFORD.