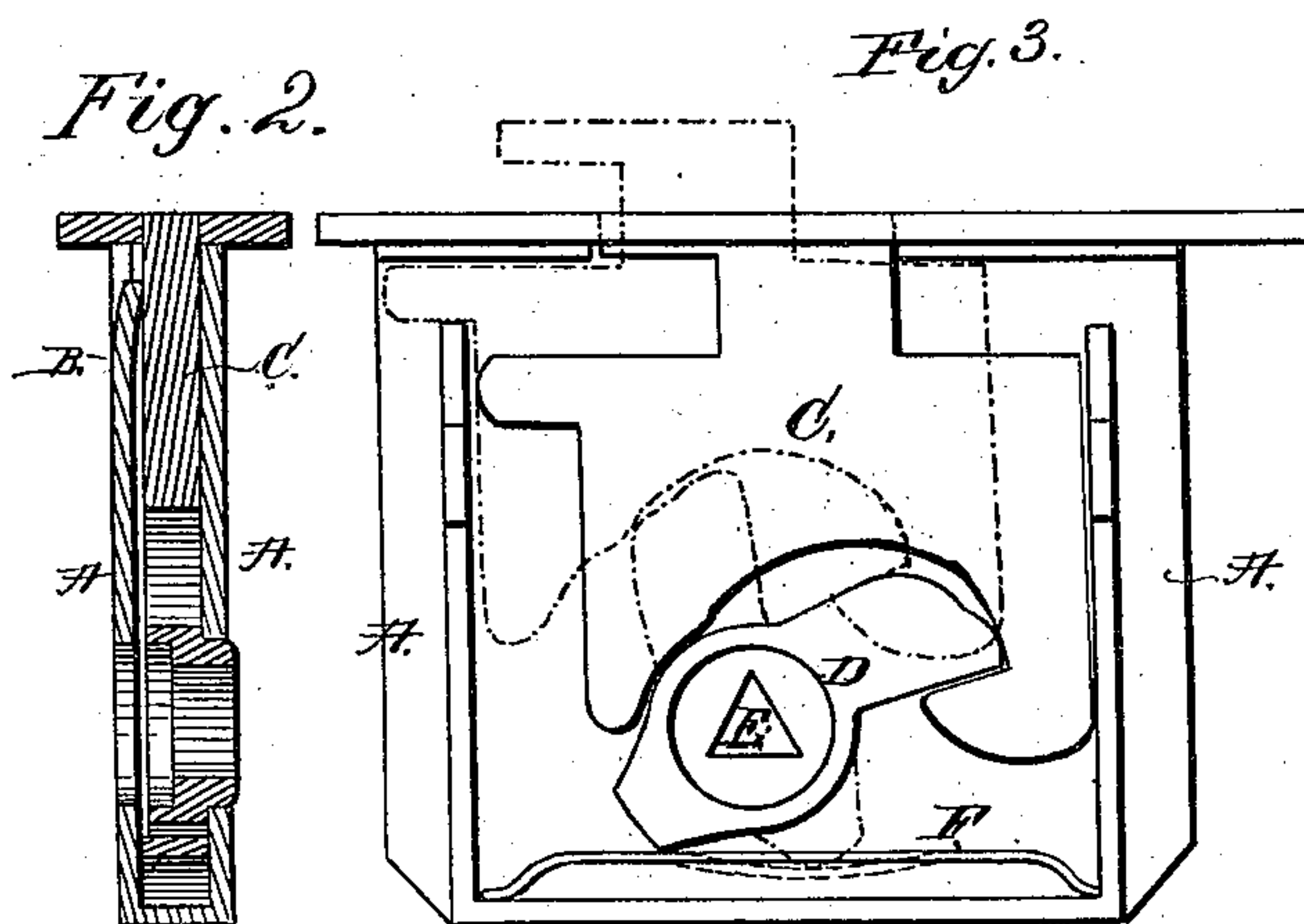
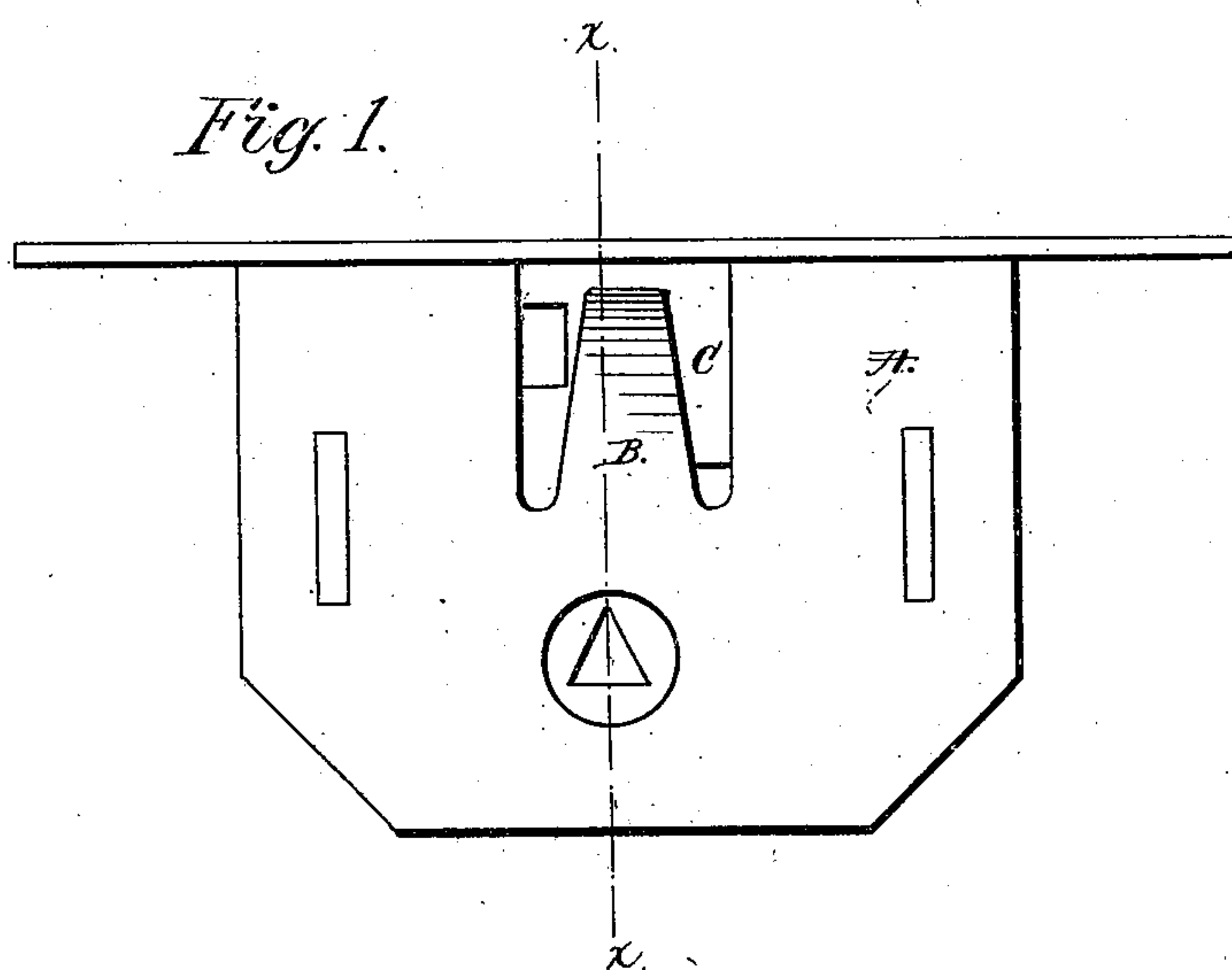


F. EGGE.
Piano Lock.

No. 230,866.

Patented Aug. 10, 1880.



WITNESSES

John F. C. Preinkert

C. W. Smith

INVENTOR

FREDERICK EGGE

By *Wm. C. L. Linton* ATTORNEY

UNITED STATES PATENT OFFICE.

FREDERICK EGGE, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO SMITH & EGGE MANUFACTURING COMPANY, OF SAME PLACE.

PIANO-LOCK.

SPECIFICATION forming part of Letters Patent No. 230,866, dated August 10, 1880.

Application filed November 21, 1879.

To all whom it may concern:

Be it known that I, FREDERICK EGGE, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain
5 new and useful Improvements in Locks, (Case F;) and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification.

10 My invention relates to that class of locks which are designed for use upon pianos and organs; and it has for its object to provide an economical and practical means of avoiding the usual rattling which occurs in the locks
15 now used; and with these ends in view my invention consists of a piano-lock having, combined with the usual bolt and spring-bolt-operating device, an independent anti-rattler formed in one of the cheeks of the lock-case,
20 at its upper edge, said tongue being formed by cutting away a portion of the metal, as will be hereinafter set forth.

In the drawings, Figure 1 is a plan view of a lock embodying my invention; Fig. 2, a section at the line *x x* of Fig. 1; Fig. 3, a plan view with the cheek-plate removed, exposing the interior of the lock, the dotted lines illustrating the movement of the bolt.

30 Similar letters denote like parts in the several figures.

A represents the cheek-plates, secured to the frame in the usual manner and inclosing the bolt and bolt-operating mechanism.

35 B is a tongue formed in the extreme upper edge of one of the cheek-plates by cutting away the metal in the manner shown and turning the end in slightly to form a spring.

D is a stump extending from the key cylin-

der or hub E, and so constructed and arranged with reference to the bolt and a spring, F, that 40 in its sweep the bolt C will be extended and moved laterally in the position shown in dotted lines at Fig. 3.

The tongue B, being arranged and located, as shown, near the upper edge of the cheek-plate A, serves as a spring to hold the bolt in 45 contact with the side of the bolt-opening in the face-plate of the lock, and at the same time permits its double motion.

The spring F holds the key-hub and stump 50 D in contact with the bolt C, and prevents rattling at such points of contact.

I am aware that it is not new, broadly, to form a spring-tongue in the casing of sliding bolts. 55

I am also aware that it is not new to provide lock-cases with independent spring devices at other points of the bolt for various purposes, and do not wish to be understood as 60 laying claim thereto; but

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

In a piano-lock, the combination, with the bolt C and bolt-operating mechanism, consisting of the hub E, stump D, and spring F, of 65 the cheek-plate cut away at its extreme upper edge, forming a tongue, B, which, while it will permit a forward and sidewise movement of the bolt, shall protect its forward end against rattling, substantially as set forth. 70

Witness my hand and seal this 17th day of November, A. D. 1879.

FREDERICK EGGE. [L. S.]

In presence of—

SAML. ROCKWELL,
F. W. SMITH.