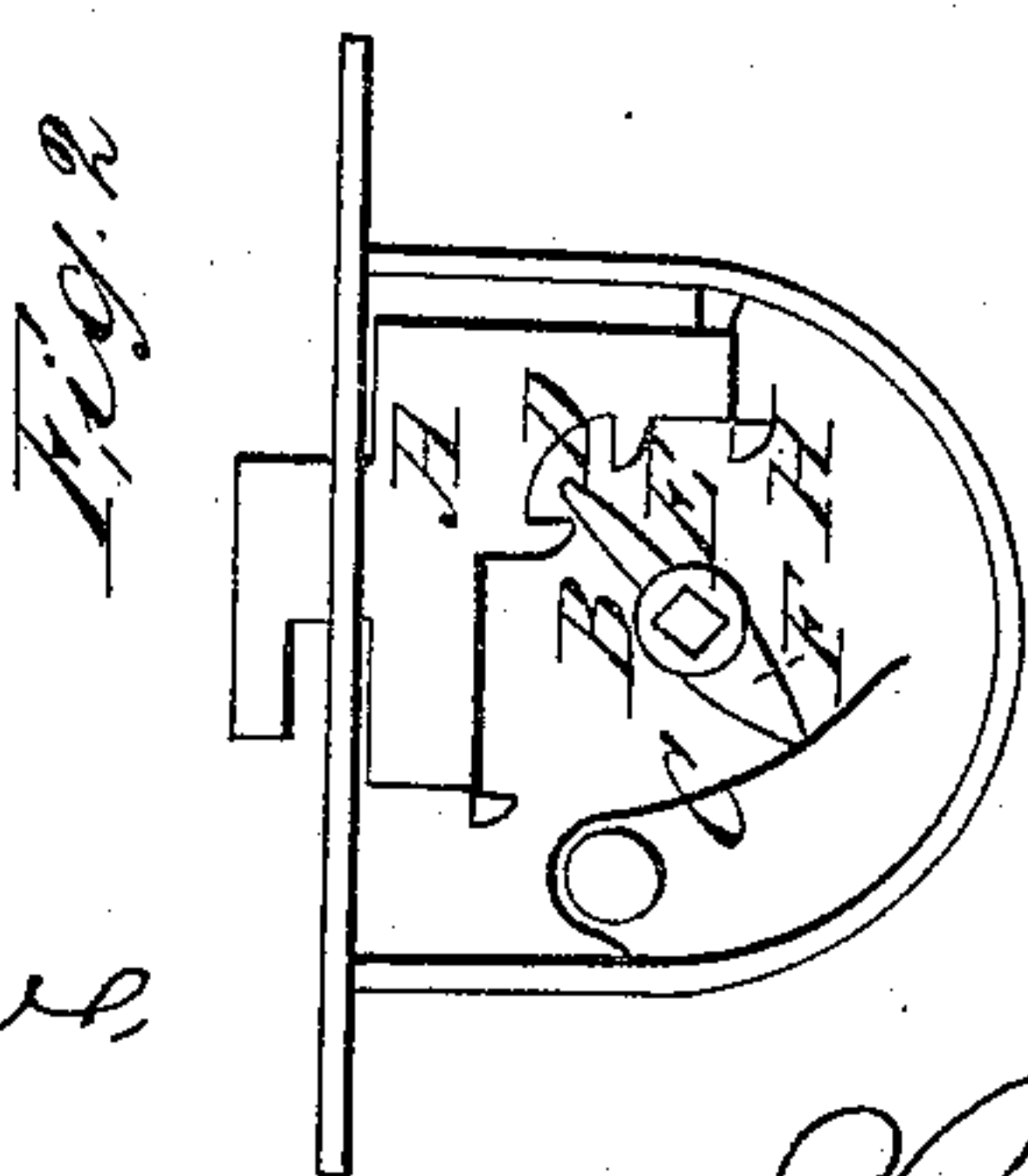
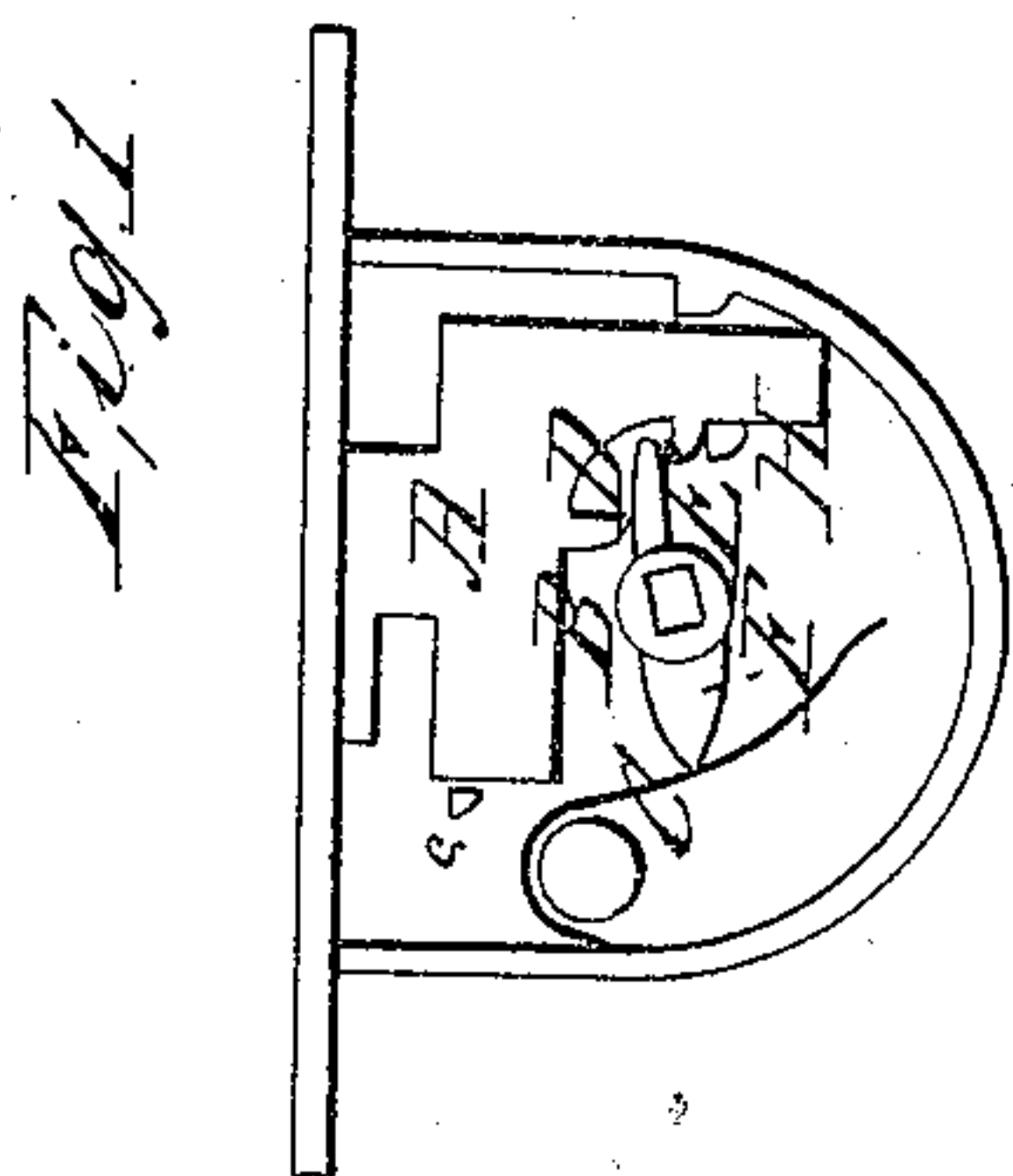
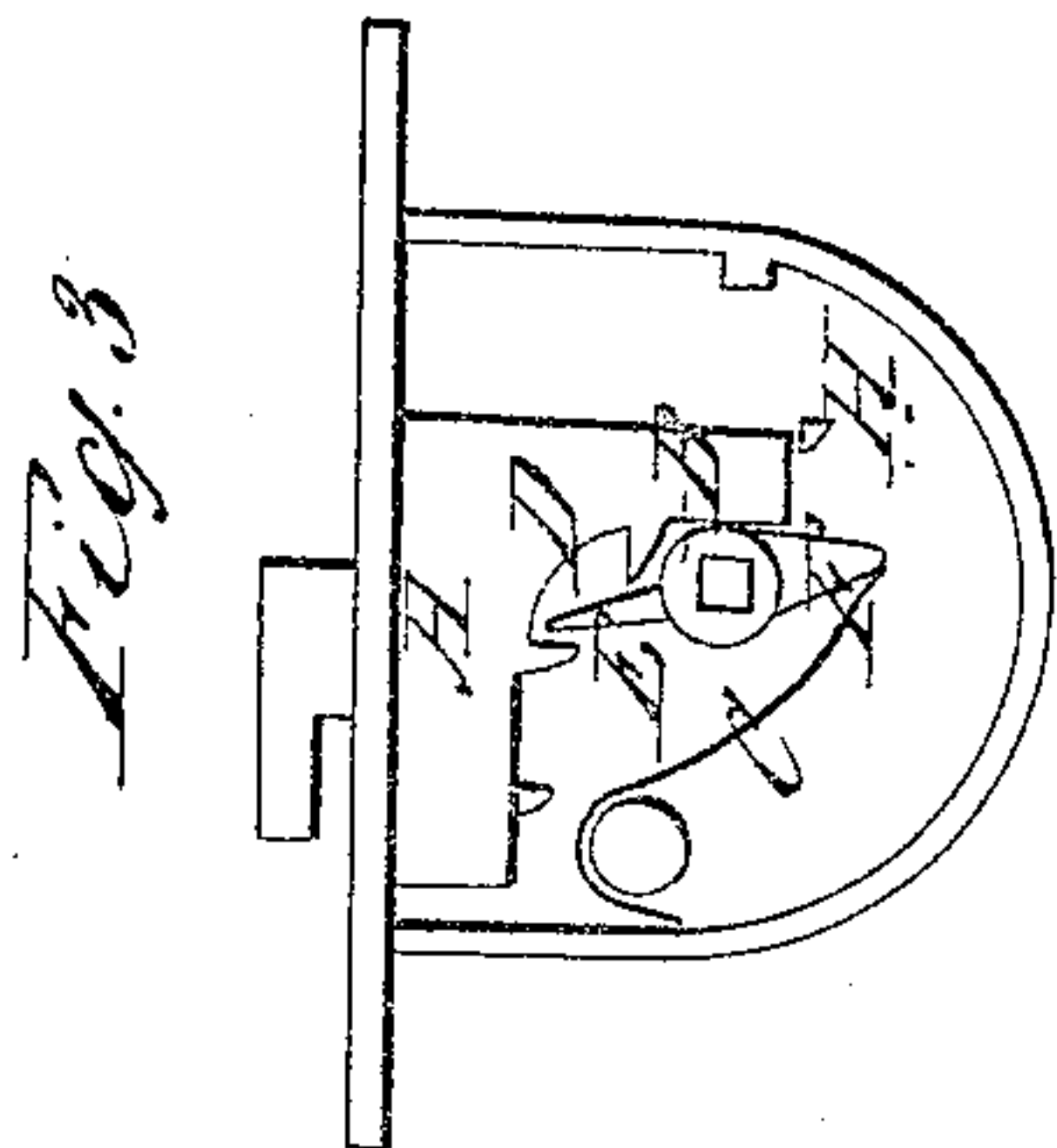


P. F. Dodge,
Piano Lock.
N^o 23,833. Patented May 3, 1859.



Witnesses
N. Me. Lowe
P. F. Dodge

Inventor
P. F. Dodge

UNITED STATES PATENT OFFICE.

P. F. DODGE, OF WEST CAMBRIDGE, MASSACHUSETTS.

LOCK FOR PIANOFORTES.

Specification of Letters Patent No. 23,833, dated May 3, 1859.

To all whom it may concern:

Be it known that I, P. F. DODGE, of West Cambridge, in the county of Middlesex and State of Massachusetts, have invented a
5 new and useful Lock for Pianofortes and for all Purposes Where a Lock of Like Construction May be Needed, of which the following is a full and exact description, reference being had to the accompanying
10 drawings and to the letters of reference marked thereon.

The nature of my invention consists in a new method of moving the bolt of a lock as above, whereby the operating parts are
15 much simplified, rendering the same more effective and less expensive to manufacture.

To enable others skilled in the art to make and use my invention, I will describe its construction and mode of operation.

20 Figure 1 represents the interior of the lock with the bolt in place or unlocked. Fig. 2 presents a view of the lock with the bolt raised to its highest position and Fig. 3 a view of the same when the bolt is carried
25 forward or locked.

A in the drawings denotes the bolt; B, the tumbler which actuates the bolt, and C, the spring which steadies the bolt in its

motion and keeps it in place when locked or unlocked. The tumbler is provided on 30 one side with a projection F, (against which the spring C bears) and on the other side with a tooth or arm E which is the lever to move the bolt in the following manner: The bolt has a recess D, (shaped substantially 35 as seen in the drawings) cut in it in such a manner that as the arm is turned up or rotated by the key placed in the center of the tumbler (the bolt being down) the bolt will be first raised to its full height as seen 40 in Fig. 2 and then pressed forward or locked as seen in Fig. 3, the bolt A, being restricted to a vertical and horizontal movement by the guide pins G and H.

What I claim as my invention and desire 45 to secure by Letters Patent, is—

Actuating the bolt by means of the arm E of the tumbler B and the recess D in the bolt A.

In witness whereof, I have hereunto sub- 50 scribed my name the thirty first day of March, eighteen hundred and fifty nine.

P. F. DODGE.

In presence of—

WILLIAM S. DODGE,

WM. E. PARMENTER.