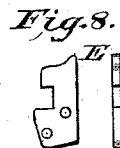
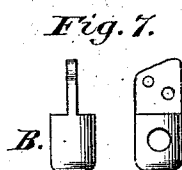
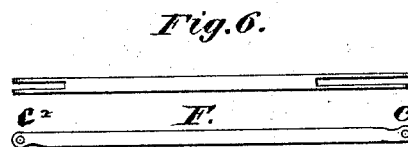
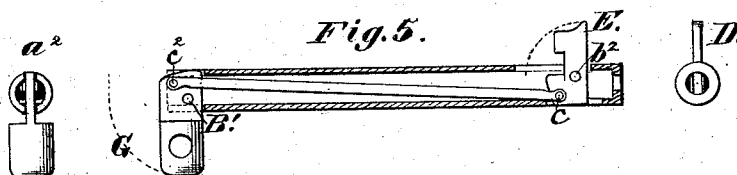
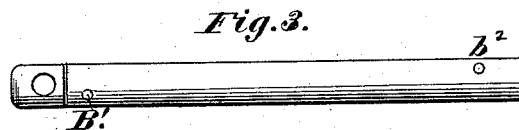
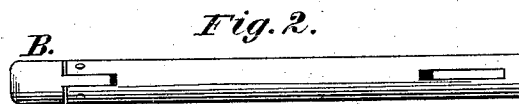
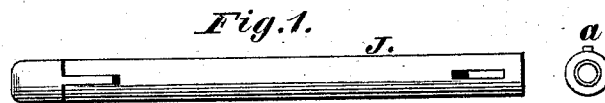


C. E. PIERCE.
Keys for Locks.

No. 147,787.

Patented Feb. 24, 1874.



Witnesses.
Ed. P. Walling.
C. Goepf.

Inventor.
Charles E. Pierce.

UNITED STATES PATENT OFFICE.

CHARLES E. PIERCE, OF NEW YORK, N. Y.

IMPROVEMENT IN KEYS FOR LOCKS.

Specification forming part of Letters Patent No. 147,787, dated February 24, 1874; application filed November 14, 1872.

To all whom it may concern:

Be it known that I, CHARLES E. PIERCE, of the city, county, and State of New York, have invented certain new and useful Improvements in Keys for all kinds of Locks and Latches; and the following is a full, clear, and exact description thereof, reference being had to the annexed drawing making a part of the same, in which—

Figures 1, 2, and 3 represent different views of the key complete. Figs. 4 and 5 represent sectional views of the key with the bit and handle opened and closed. Fig. 6 represents a rod slotted at both ends, for purposes hereinafter described. Fig. 7 represents a side and edge view of the key-handle. Fig. 8 represents a side and edge view of the key-bit.

J represents the barrel part of the key; B, the handle of the key, and E the key-bit. *a* is a piece of metal fitted into the inner end of the key-barrel to close the hole. *A*², on Fig. 5, represents the handle end of the key opened; and D, the inner end view of the key with the bit opened. Handle B is pivoted to the outer end of key-barrel J at hole B'. (See Fig. 4.)

Bit E is pivoted in a slot in the inner end of key-barrel J at hole *b*². (See Fig. 4.) F is a connecting-rod, slotted at both ends, and one end is pivoted to bit E at hole *c*, and the other end is pivoted to handle B at hole *c*². (See Fig. 5.)

By taking hold of handle B and moving it around on curved line G, such movement causes bit E to move out of the slot at the inner end of barrel J, as shown in Fig. 5. By moving handle B back on a line with barrel J, the bit E will be closed, as shown in Fig. 4.

Having thus described my improved key, and the manner in which the same is operated, what I claim as new therein, and desire to secure by Letters Patent, is—

The combination of the barrel J, handle B, bit E, and connecting-rod F, constructed and arranged so that by turning the handle around the bit will be thrown out, substantially as described, and for the purposes set forth.

CHARLES E. PIERCE.

Witnesses:

ED. P. WALLING,
C. GOEPP.