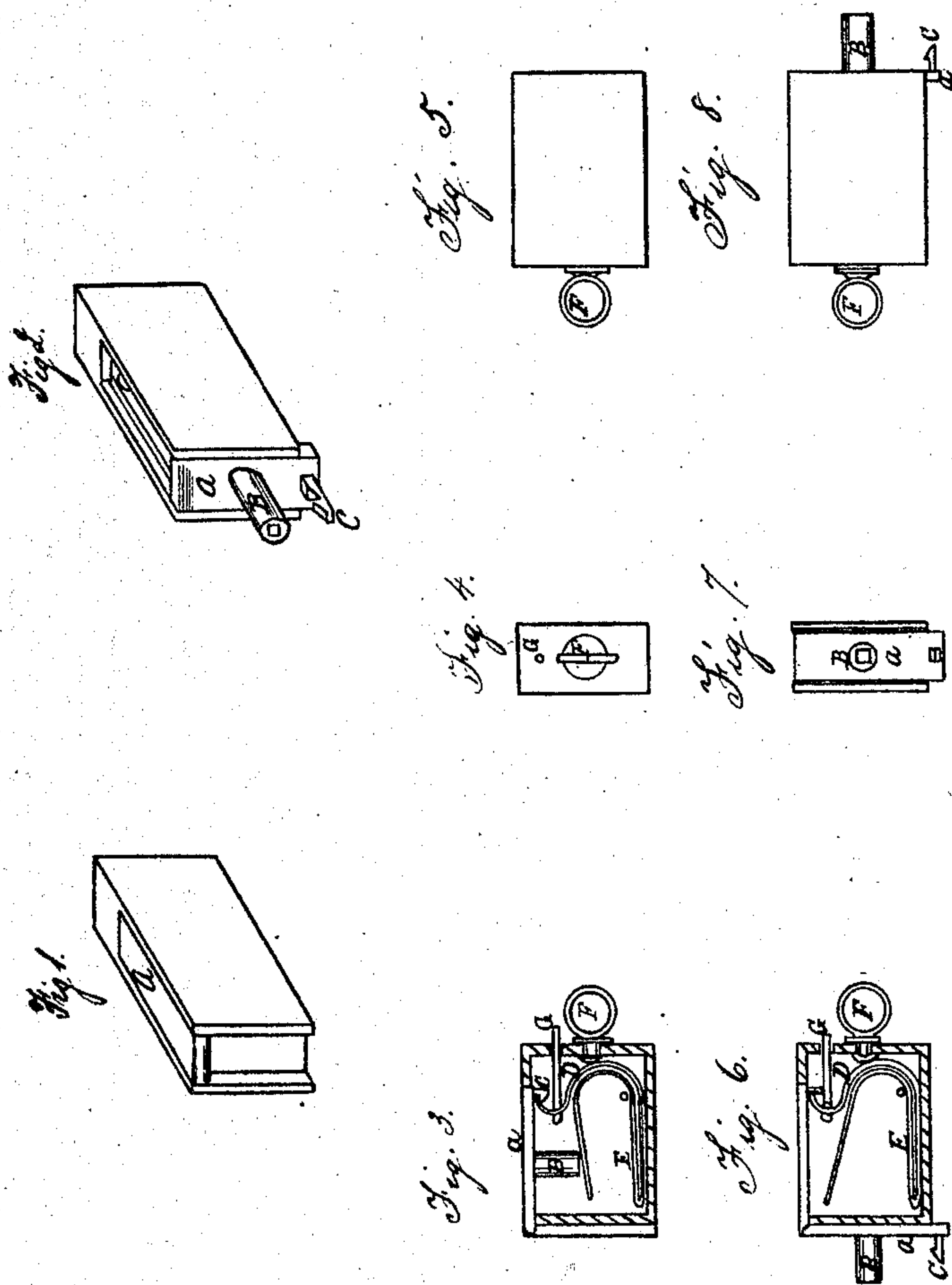


R. H. Dilley.

Watch-Key.

N^o 75740

Patented Mar. 24, 1868.



Witnesses:
 Saml Miller
 Jno. Smith

Inventor:
 R. H. Dilley

United States Patent Office.

RICHARD H. DILLEY, OF REGNIER'S MILLS, OHIO.

Letters Patent No. 75,740, dated March 24, 1868.

IMPROVEMENT IN WATCH-KEYS.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, RICHARD H. DILLEY, of Regnier's Mills, county of Washington, State of Ohio, have invented a new and useful Improvement in Watch-Keys; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a view in perspective, closed.

Figure 2 is a view in perspective, open.

Figure 3 is a longitudinal section closed, showing the arrangement of the springs and their relation to the opening and closing of the door.

Figure 4, end view of key, showing ring by which the key may be attached to "guard or vest-chain."

Figure 5, side elevation, closed.

Figure 6, longitudinal section, open.

Figure 7, end view of key, showing end of pipe and catch by which the door connects with the spring on being closed.

Figure 8, side elevation, open, showing the position of the door when ready for use.

Letter A, the door into which the pipe B is screwed, and to which the catch C is attached. D, spring by which the door is kept closed. The catch C connects with the spring D when the door is closed. E, spring by which the door is thrown open. F, ring or swivel. G, wire passing through the end of key near the ring, one end being screwed into the spring D. By pressing on the end of the wire G, the spring D is pressed back from the catch C; the door is immediately thrown open by the force of the spring E acting on the pipe B.

I construct my key of gold, silver, copper, brass, or zinc, or any other suitable metal; its size when complete being seven-eighths of an inch in length, five-eighths of an inch in width, and one-fourth of an inch in thickness. The broad sides are made to project over one end, so that the door A may pass between them on being opened. This gives strength to the door while winding the watch. The door A is made to fit between the sides, and is held to its place by means of a rivet passing through one end of the door and into each side of the key, exactly opposite the corners, as represented in figs. 1, 3, and 6. The pipe B is screwed into the door A, while the door A is open, and on shutting the door, the pipe B is thrown on the inside of the key. The door, into which the pipe is screwed, is double the thickness of the sides, the object being to give strength and durability to the door A. A small catch or fastening, C, is made at one end of the door on the inside, when the door is closed. The springs D and E are made of brass, and are held to their places by two small rivets, as represented in fig. 6. When the door A is closed, the pipe B presses on the spring E. The spring D clasps the catch C, and the door is held to its place. The door is opened by means of a small wire, G, passing through one end of the key near the ring F, one end of which is screwed into the spring D. By pressing on the end of the wire G, the spring D is pressed back from the catch C, and the door is thrown open by the force of the spring E operating on the end of the pipe B.

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

The improved watch-key, consisting of the hollow case, provided with the hinged door A, and springs E and D, when constructed as and for the purpose described.

RICH'D H. DILLEY.

Witnesses:

S. E. JAMES,

J. D. JAMES.