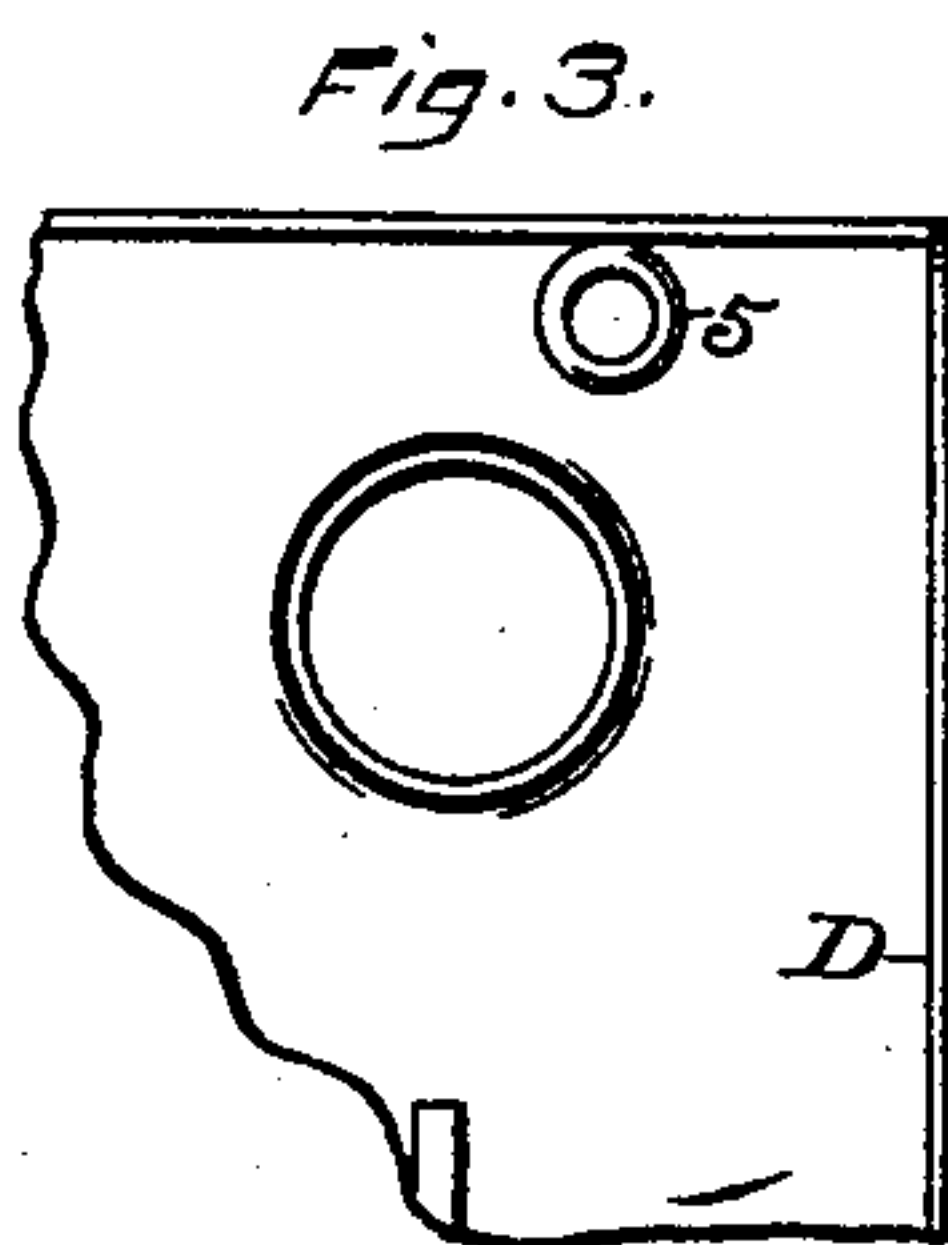
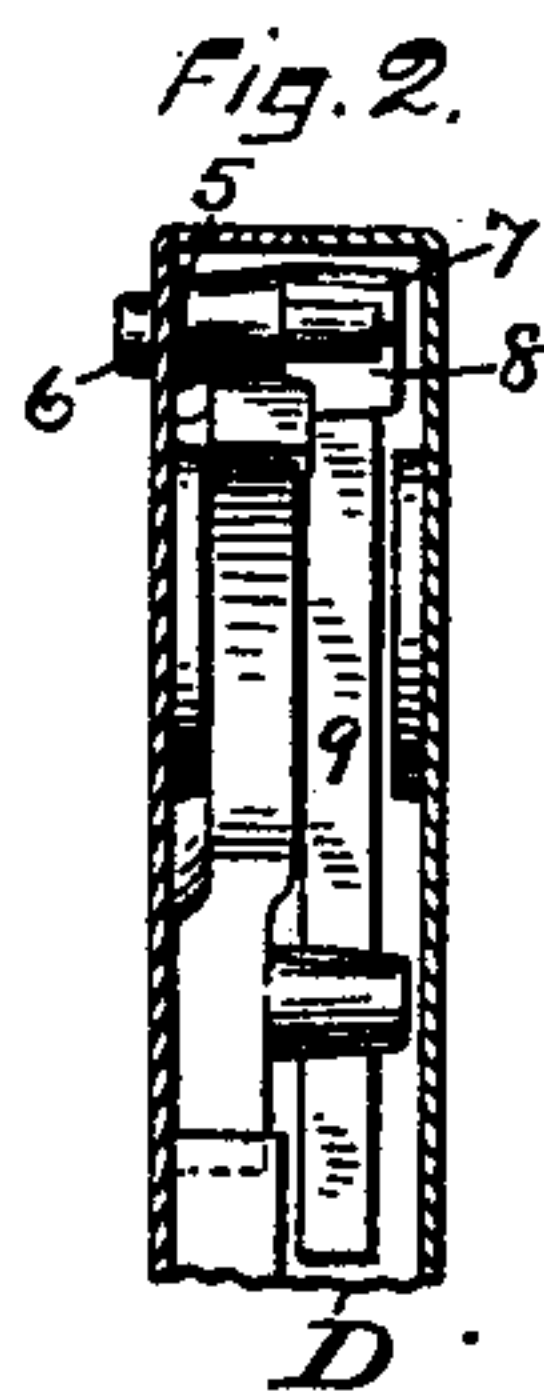
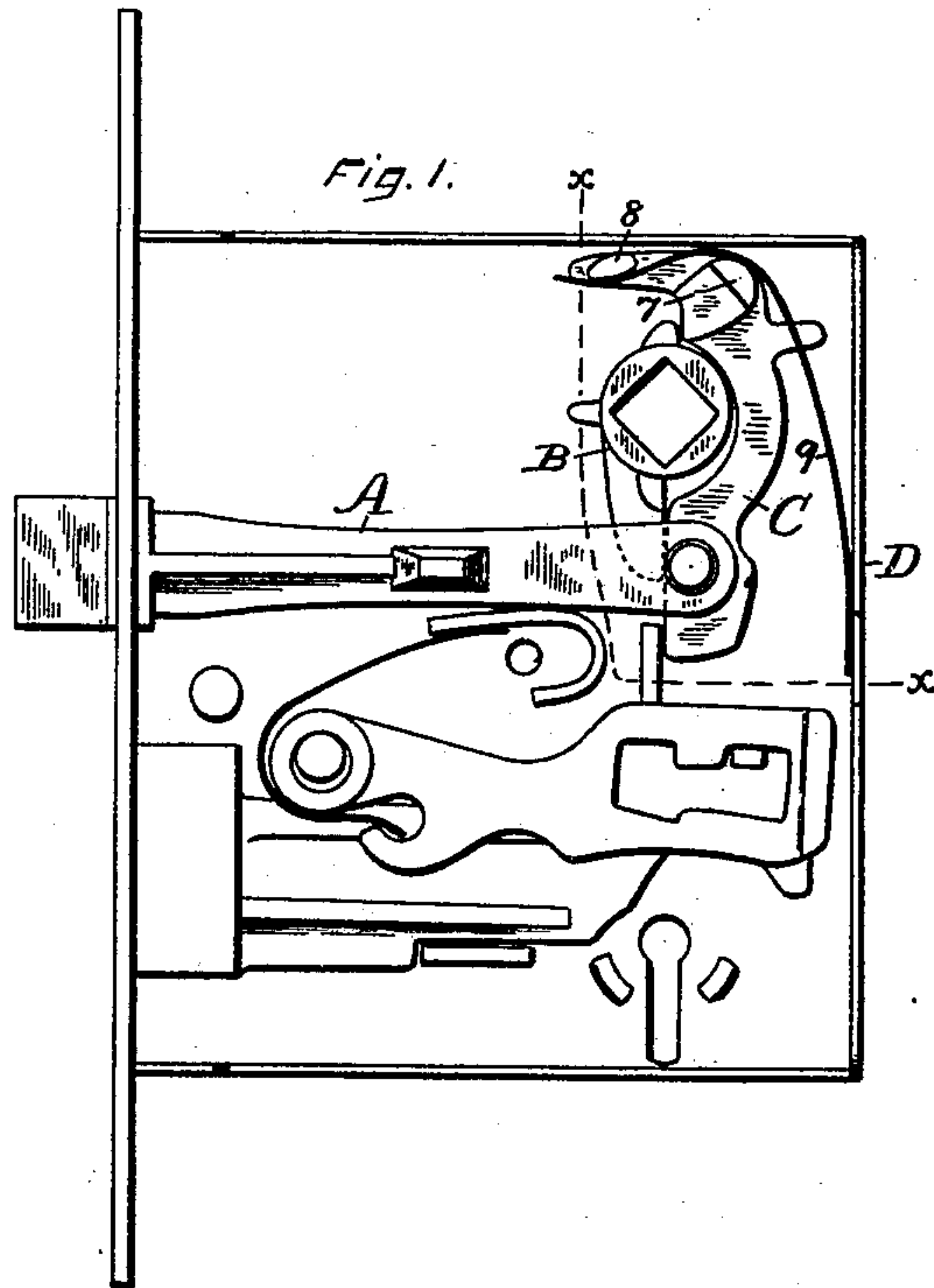


(No Model.)

C. M. BURGESS.
REVERSIBLE LATCH.

No. 435,555.

Patented Sept. 2, 1890.



Witnesses.
John Edwards Jr.
Wm J. Truittick.

Inventor.
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Atty.

UNITED STATES PATENT OFFICE.

CHARLES M. BURGESS, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE
RUSSELL & ERWIN MANUFACTURING COMPANY, OF SAME PLACE.

REVERSIBLE LATCH.

SPECIFICATION forming part of Letters Patent No. 435,555, dated September 2, 1890.

Application filed June 11, 1890. Serial No. 355,101. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. BURGESS, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Reversible Latches, of which the following is a specification.

My invention relates to improvements in reversible latches; and the object of my improvement is to simplify the construction, to render the latch more durable, and in particular to dispense with the use of stumps projecting on the interior of the case, whereby the construction is especially adapted for sheet-metal lock-cases.

In the accompanying drawings, Figure 1 is a front elevation of a lock and reversible latch embodying my invention, the cap-plate being removed. Fig. 2 is a vertical section of a portion thereof on the line $x x$ of Fig. 1, the latch-bolt and hub being removed. Fig. 3 is a front elevation showing the inside of one corner of the latch-case, the cap-plate being removed; and Fig. 4 is a rear view of the latch lever.

The lock proper and the main portion of the case may be of any ordinary construction. The latch-bolt A and the hub B are also of any ordinary construction. The general form of the latch-lever C is also old, and its connection with the hub and latch-bolt is substantially the same as in prior latches. The novel features of my invention relate to the manner of pivoting the latch-lever in the case, and in the construction, arrangement,

and combination therewith of the actuating-spring for moving said latch-lever and latch-bolt. In one corner of the case I form a perforation, around which is an inwardly-projecting boss 5 to form a bearing for the pivot-pin 6, cast integral upon the rear side of the latch-lever, as shown in Figs. 2 and 4. Upon the front of the latch-lever I form a stud 7 nearly opposite the pivot-pin, and to one side thereof another stud 8, as shown. A sheet metal or feather spring 9 is then placed between said studs, with its longer end extending downwardly and bearing upon the side of the case D, as shown in Fig. 1, thereby dispensing with any studs or projections upon the inside of the case for securing the spring that actuates the latch-lever.

I claim as my invention—

1. In a reversible latch, the case provided with a perforation and surrounding boss 5, in combination with the latch-lever C, having the integral pivot-pin 6 upon one side taking its bearing in said boss, substantially as described, and for the purpose specified.

2. The herein-described reversible latch, in which the latch-lever is provided with the pivot-pin 6 on one side taking its bearing in the case, and upon the opposite side with the studs 7 8 for securing the spring 9, substantially as described, and for the purpose specified.

CHARLES M. BURGESS.

Witnesses:

THEO. E. SMITH,
M. S. WIARD.