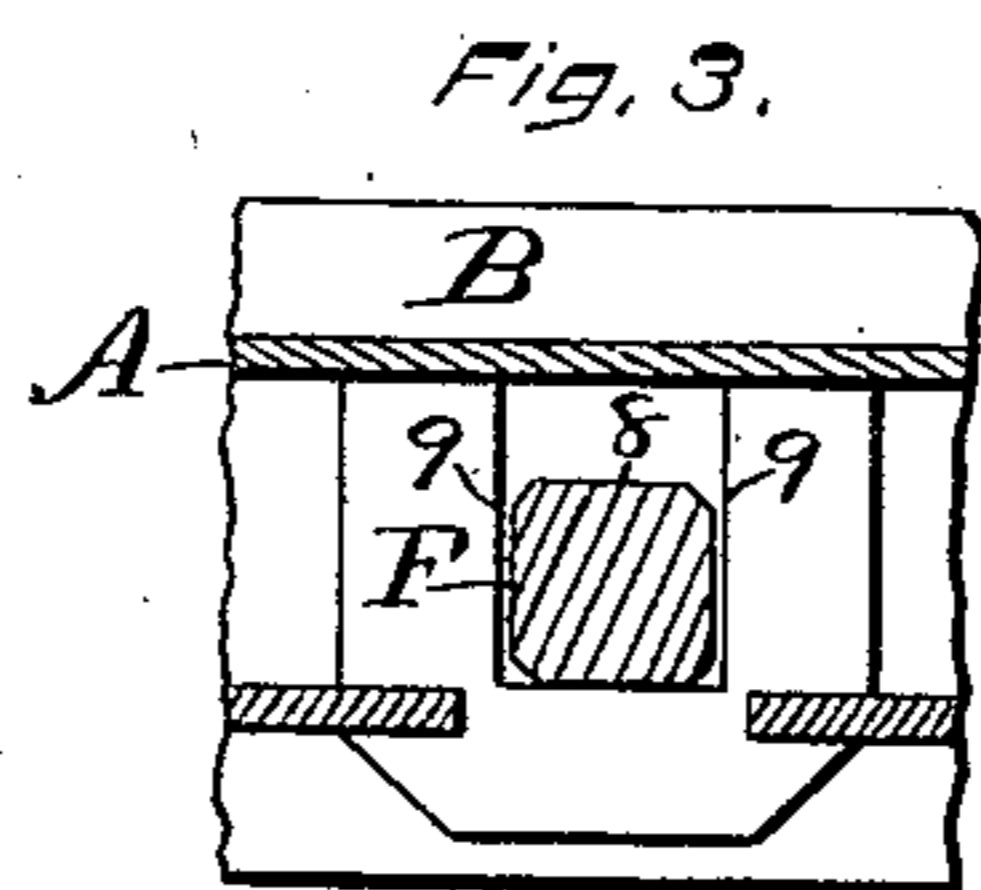
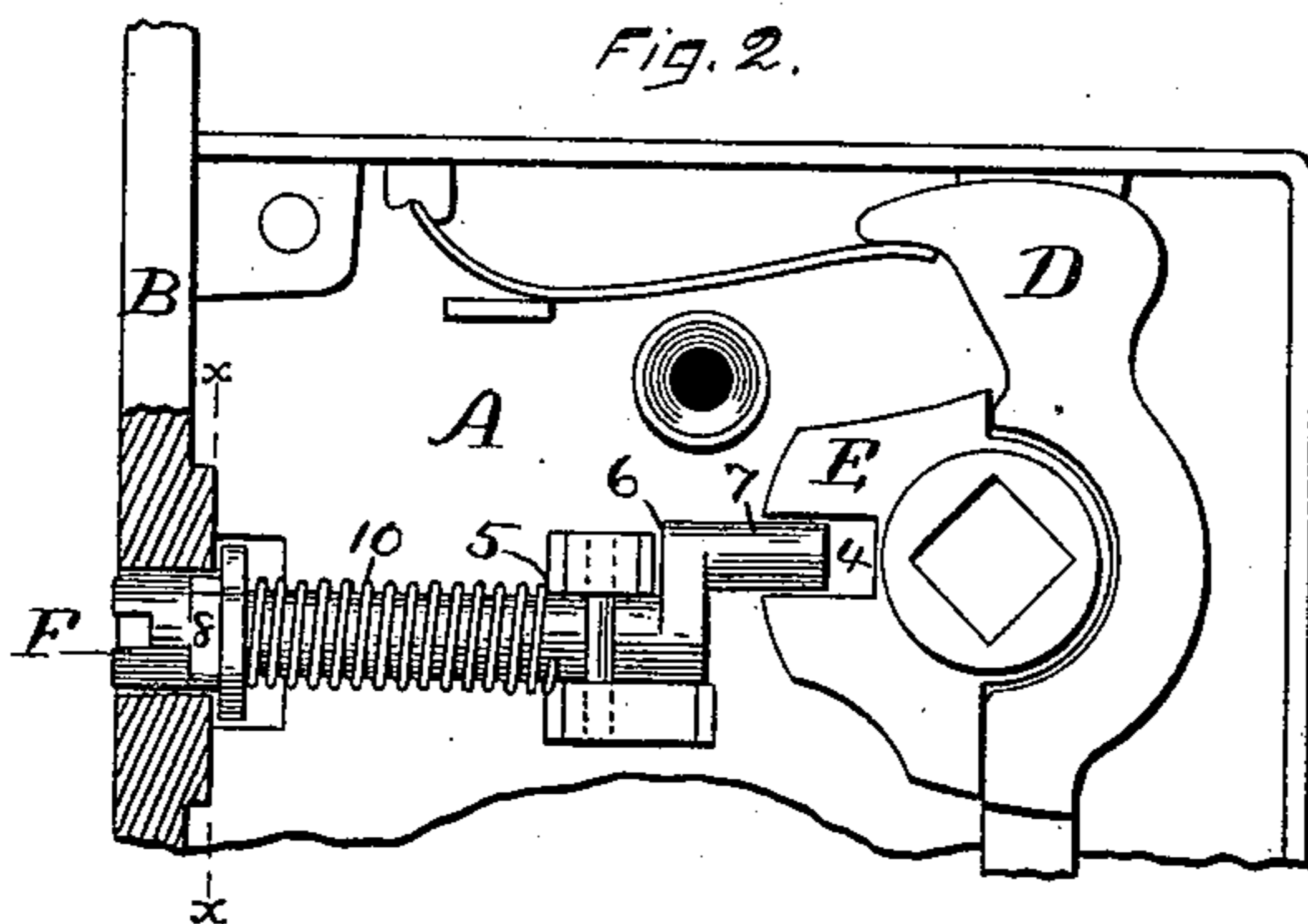
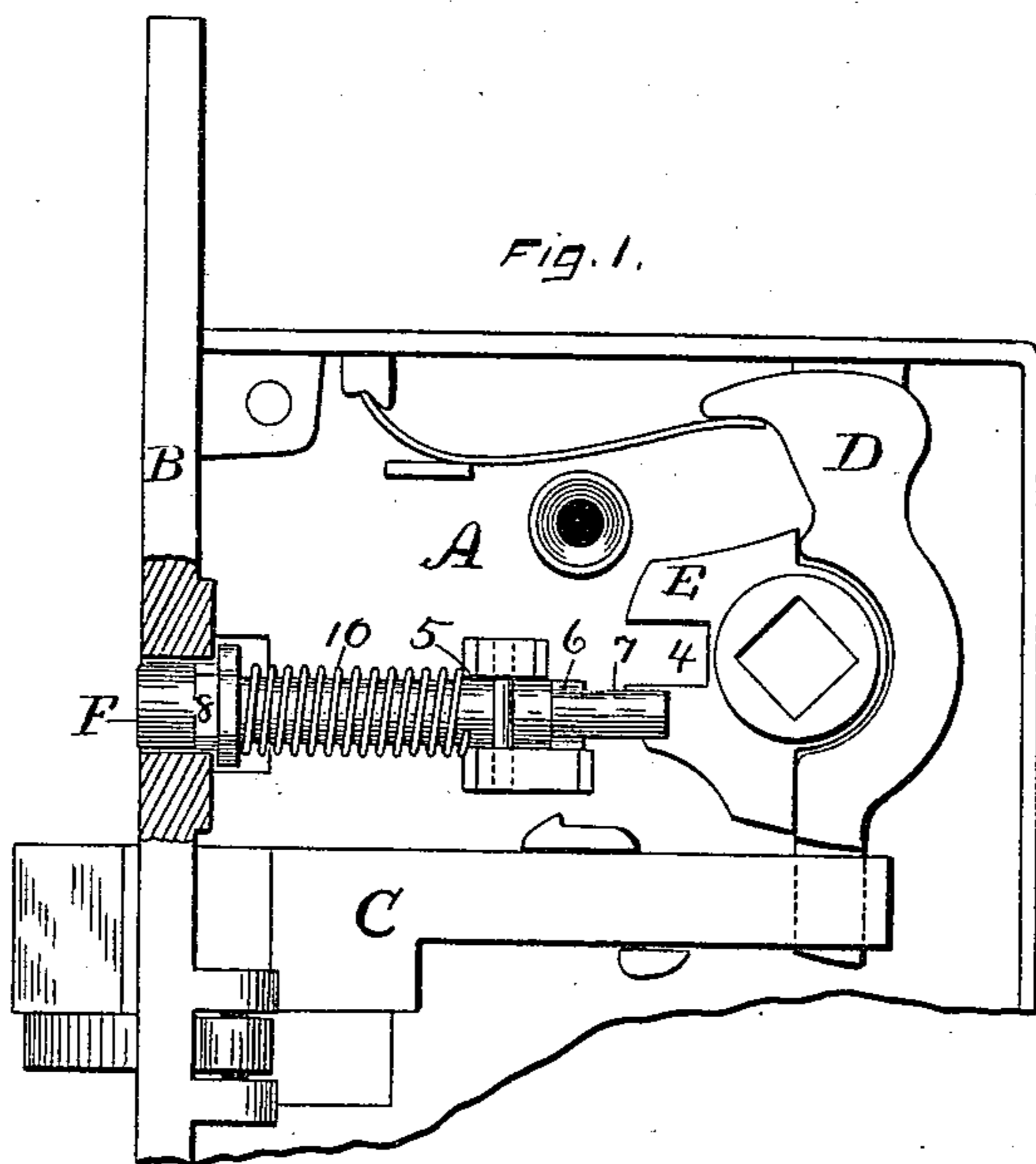


(No Model.)

C. M. BURGESS & H. G. VOIGHT.
STOP FOR LATCHES.

No. 450,353.

Patented Apr. 14, 1891.



WITNESSES,
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By James Shepard, Atty.

UNITED STATES PATENT OFFICE.

CHARLES M. BURGESS AND HENRY G. VOIGHT, OF NEW BRITAIN, CONNECTICUT, ASSIGNORS TO THE RUSSELL & ERWIN MANUFACTURING COMPANY, OF SAME PLACE.

STOP FOR LATCHES.

SPECIFICATION forming part of Letters Patent No. 450,353, dated April 14, 1891.

Application filed January 30, 1891. Serial No. 379,653. (No model.)

To all whom it may concern:

Be it known that we, CHARLES M. BURGESS and HENRY G. VOIGHT, both citizens of the United States, residing at New Britain, in the
5 county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Stops for Latches, of which the following is a specification.

Our invention relates to improvements in
10 stops for latches; and the objects of our improvement are simplicity of construction, convenience, and efficiency in operation.

In the accompanying drawings, Figure 1 is a front elevation of a sufficient portion of a
15 latch to show the connection of our stop therewith, the front plate being removed and a portion of the face-plate being in section. Fig. 2 is a like view of a portion of the same with the hub locked in place by the stop; and Fig.
20 3 is a vertical section on line *xx* of Fig. 2, looking toward the face-plate.

A designates the latch-case; B, the face-plate; C, the latch; D, the latch-lever, and E the hub, having a stop-notch 4 on one side, all
25 substantially as in ordinary latches of this class.

F designates a rotary stop-bolt having bearings in the face-plate and in any suitable support, as at 5, within the latch-case, so that
30 said bolt may be partially rotated, while it is at the same time permanently held against lateral movement. The inner end of the bolt is provided with a crank-arm 6, having a locking projection 7 at its outer end. The rotary
35 stop F is provided with a squared neck, as at 8, which fits within shoulders or cheeks 9 9, Fig. 3, on the inner side of the face-plate. The stop-bolt is provided with a spring 10, which has a constant tendency to keep the
40 squared neck within the shoulders 9 9, as shown. The outer end of the rotary stop-bolt F is to be provided with any suitable means for rotating it—as, for instance, it may be fitted for the application of a driver by means
45 of a slot or its equivalent. When the crank-arm is in a horizontal position, so as to throw

its locking projection 7 to the front, as shown in Fig. 1, the projecting portion of the hub E, having the notch 4, will pass under said locking projection 7, and thereby leave the latch-
50 hub free to be operated in the usual manner. By pressing upon the outer end of the bolt against the force of the spring 10 to slip the stop-bolt endwise sufficiently to force the squared neck out from between the shoulders
55 or cheeks 9 at the inside of the face-plate the stop-bolt F may be turned one-quarter of a revolution, so as to bring its crank-arm into a vertical position with its locking projection 7 within the notch 4 of the hub. Upon
60 releasing the endwise pressure on the bolt the spring 10 will force the squared neck in between the shoulders 9 9 and lock the stop-bolt in that position, thereby firmly locking
65 the hub.

We are aware of the latches shown in the applications of Henry E. Russell, Jr., Serial No. 370,851, filed November 10, 1890, and Thomas
Lyons, Serial No. 379,681, filed January 30, 1891, and the same are hereby disclaimed. 70

We claim as our invention—

1. In a latch, the combination of the hub having the notch 4, a rotary stop-bolt having a crank-arm 6 at its inner end, with a locking
75 projection 7 on the outer end of said crank-arm for engaging the notch in said hub, substantially as described, and for the purpose specified.

2. In a latch, the combination of the hub having a notch, the rotating stop-bolt with a
80 locking projection for engaging said notch and the squared neck, shoulders or cheeks 9 9 for receiving said neck, and the spring 10 for holding said squared neck within said shoulders, substantially as described, and for the
85 purpose specified.

CHAS. M. BURGESS.
HENRY G. VOIGHT.

Witnesses:

T. S. BISHOP,
M. S. WIARD.