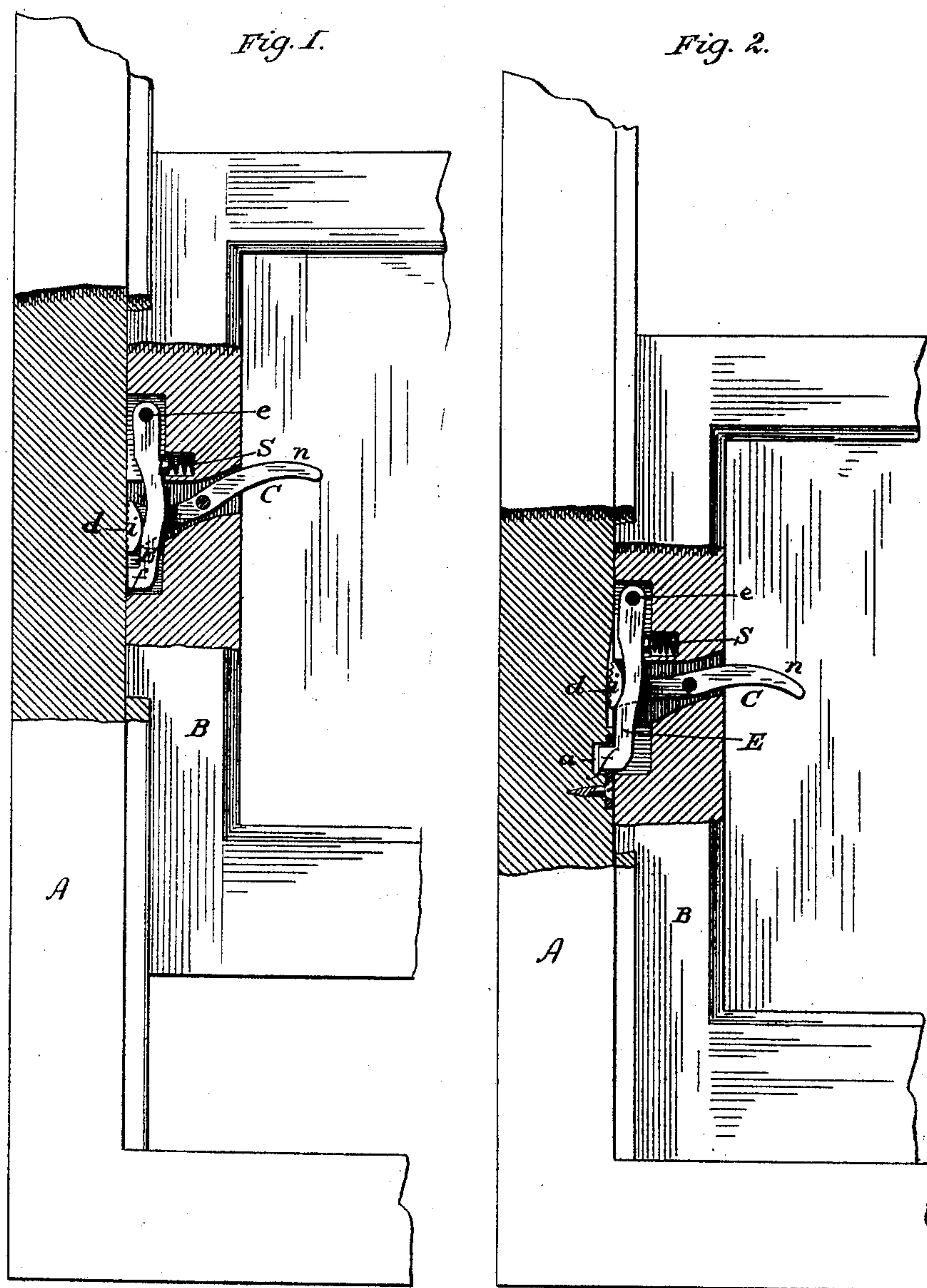


P. W. INGRAM & E. CLARK.
Sash-Fastener.

No. 223,351.

Patented Jan. 6, 1880.



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UNITED STATES PATENT OFFICE.

PORTER W. INGRAM AND ELIAS CLARK, OF STEAMBOAT ROCK, IOWA.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 223,351, dated January 6, 1880.

Application filed June 24, 1879.

To all whom it may concern:

Be it known that we, P. W. INGRAM and ELIAS CLARK, of Steamboat Rock, in the State of Iowa, have invented a new and Improved Combined Sash-Lock and Sash-Holder; and we hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 shows our device applied and acting as a sash-holder. Fig. 2 shows the same acting as a sash-lock, in both instances a portion of the sash being cut away to show the operation.

Our invention relates to that class of devices in which a sash-holder and a sash-lock are combined; and it consists in a pivoted cam and overlying pivoted pawl, the pawl bearing against a head on the cam, both being operated by a single spring, as hereinafter more fully described, and pointed out in the claim.

In order that those skilled in the art may make and use our invention, we will proceed to describe the manner in which we have carried it out.

In the said drawings, A is a window-frame, provided at two points, above and below its center, with sockets *a a*.

In a recess in the edge of the sash B is pivoted a cam-lever, C, having an end, *n*, projecting within the sash, and at the other end a cam-head made with an offset, *i*, having its inner line curved and its face serrated. Normally the face of the cam *d* lies outside the exterior line of the sash, on account of the pressure of a spring, as hereinafter described, against a pawl-locking device, E, pivoted at *e*. This pawl extends downward from the pivot,

and ends in a rectangular projecting head, *f*, made of a proper size to fit into sockets *a a*. About midway its length the pawl lies over the lever C, its outer edge resting against the inner curved surface of the offset *i*.

Beneath the pawl, between its head and the pivot, lies a compressed coiled spring, S, which keeps a constant pressure of heads *f d* against the window-frame, and the face of the head *d* is roughened or serrated to hold against it.

The operation is as follows: Suppose the sash to be locked down, as shown in Fig. 2. By placing the finger under the end *n* of the lever and raising, the action releases the head of the pawl from the socket, and at the same time raises the window to any given point, when, the lever being released, the heads *d* and *f*, being forced against the frame, sustain the sash at any given point.

We are aware that the pawl and lever for locking window-sashes are not new, and these we do not claim, broadly; but,

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The sash holder and lock constructed as described, and consisting of the cam-lever C, provided with the head *d*, having the offset *i* and curved serrated face, in combination with the pivoted pawl E, resting against the shoulder or offset *i*, and the spring S, all constructed to operate substantially as and for the purpose set forth.

PORTER W. INGRAM.
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Witnesses:

H. W. KELLEY,
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