

H. F. Jenks,
Sash Holder.

N^o 46,472. Patented Feb. 21, 1865.

Fig: 3.

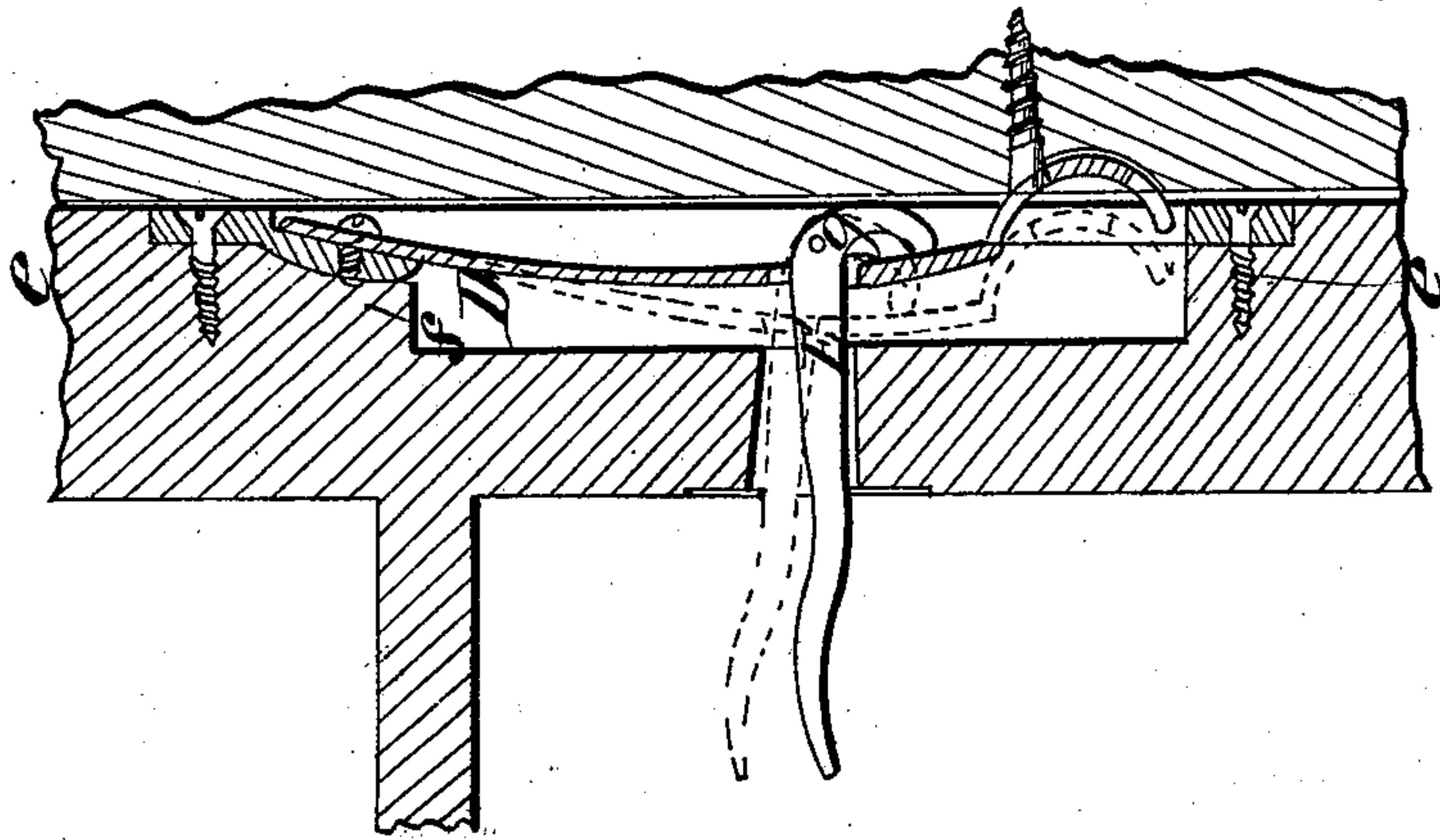


Fig: 2.

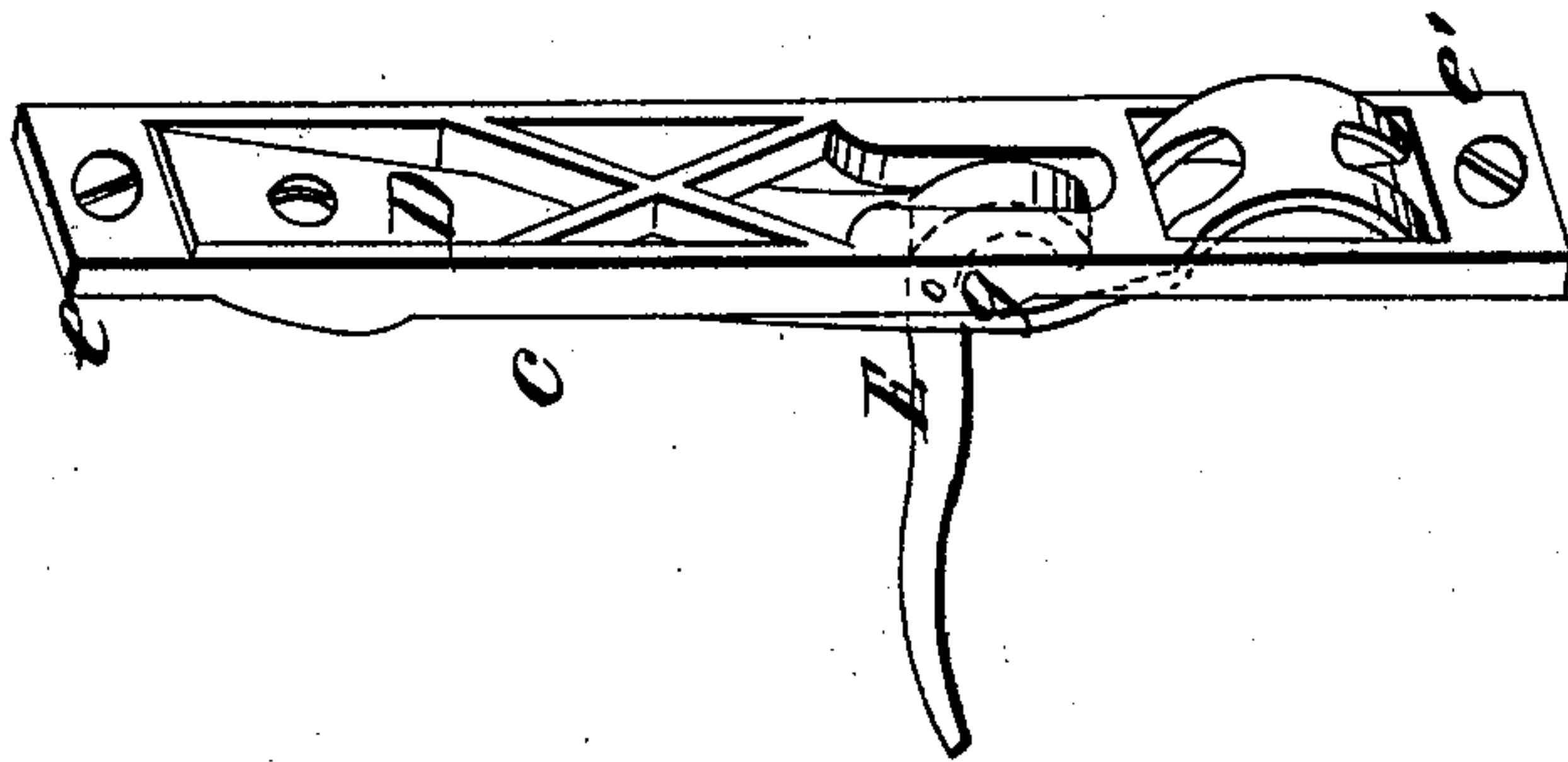
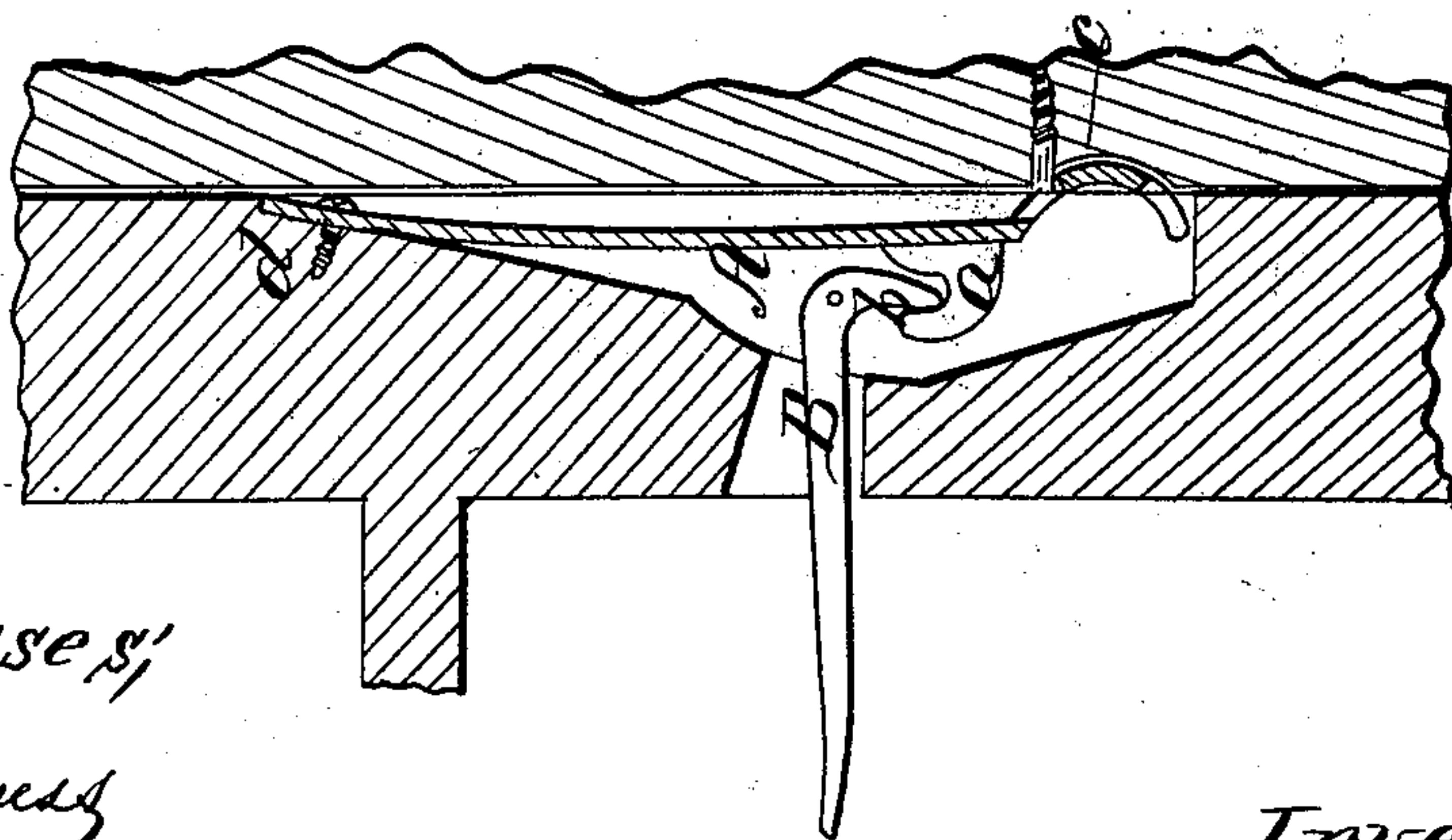


Fig: 1.



Witnesses;
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UNITED STATES PATENT OFFICE.

HENRY F. JENKS, OF PAWTUCKET, RHODE ISLAND.

IMPROVED WINDOW-SASH SUPPORTER.

Specification forming part of Letters Patent No. 46,472, dated February 21, 1865.

To all whom it may concern :

Be it known that I, HENRY F. JENKS, of Pawtucket, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Window-Sash Supporters; and I do hereby declare that the following specification, taken in connection with the drawings making a part of the same, is a full, clear, and exact description thereof.

Figure 1 is a sectional view of the sash-supporter patented to Geo. F. Foster, April 11, 1848, and upon which the invention herein described is an improvement. Fig. 2 is a view in perspective of my improved sash supporter. Fig. 3 is a vertical section in a plane through the window-sash and the window-frame.

My invention relates to that variety of supporters for window sashes by means of which the sash can be held at any desired point in the window-frame, instead of at certain fixed points only; and it consists in certain improvements upon the supporter for this purpose patented to Geo. F. Foster, April 11, 1848.

In order that these improvements may be understood, it will be necessary to refer to the construction of the Foster supporter. (Shown in Fig. 1.) It consists of a spring, A, and a finger-piece, B, detached from each other, except when combined together and adjusted in the window-sash. Upon the back of the spring A is placed a hook-shaped piece, *a*, against which the short arm *b* of the finger-piece bears, for the purpose of operating the spring, which, except when withdrawn by raising the finger-piece lever, constantly presses against the window-frame with its curved face *c*, and by friction enables the sash to be sustained at any height.

It will be observed that the spring is secured directly to the window-sash at *d*, having no frame to which it is attached, and the finger-piece has its fulcrum upon a pin which passes through the stile. From these two facts have arisen the principal objections to this supporter, which in other respects is considered the most desirable of its kind in use. In the first place, the method of attaching the spring to the sash is objectionable on account of the liability of the threads of the screw to

tear out the soft wood into which they enter from the effect of the tension of the spring, and also because this mode of attachment provides no practicable means of varying the tension of the spring so as to adjust it to window-sashes of different weights, it being very desirable that the spring should not be stiffer than is necessary to support the sash. In the second place, it requires the services of a skilled workman and the expenditure of much time to apply one of these supporters to a window-sash, for the reason that there are no means for determining the place in the sash at which the hole for the fulcrum-pin of the finger-piece shall be made, except by the most careful measurement. I propose to remedy these objections to the supporter above described by so arranging the spring and finger-piece that they can be attached to a frame and the whole be without difficulty fitted by any ordinary workman to the sash.

In the accompanying drawings, C, Fig. 2, is a rectangular frame, which is let into the stile of the sash and held by screws *e e'*, as shown in Fig. 3, a mortise being cut back of the same of sufficient depth to allow of the working of the spring D, which is attached to the frame at *f*. The tension of the spring can be easily varied by slackening the screw *f*, so as to accommodate window-sashes of different weights.

E is the finger-piece, which operates the spring D, as shown in section at Fig. 3, and instead of having its fulcrum upon a pin which passes the stile of the sash, it has its fulcrum at *g* on a pin through the frame C. In all other respects the apparatus is the same as that patented to the said Foster and above described.

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

The arrangement of the spring D, the frame C, and the hooked finger-piece E, constructed and operating substantially as described.

HENRY F. JENKS.

Witnesses:

J. H. STINESS,
W. B. VINCENT.