

H. S. Chaplin,

Sash Holder.

N^o 12,854.

Patented May 15, 1855.

Fig 3

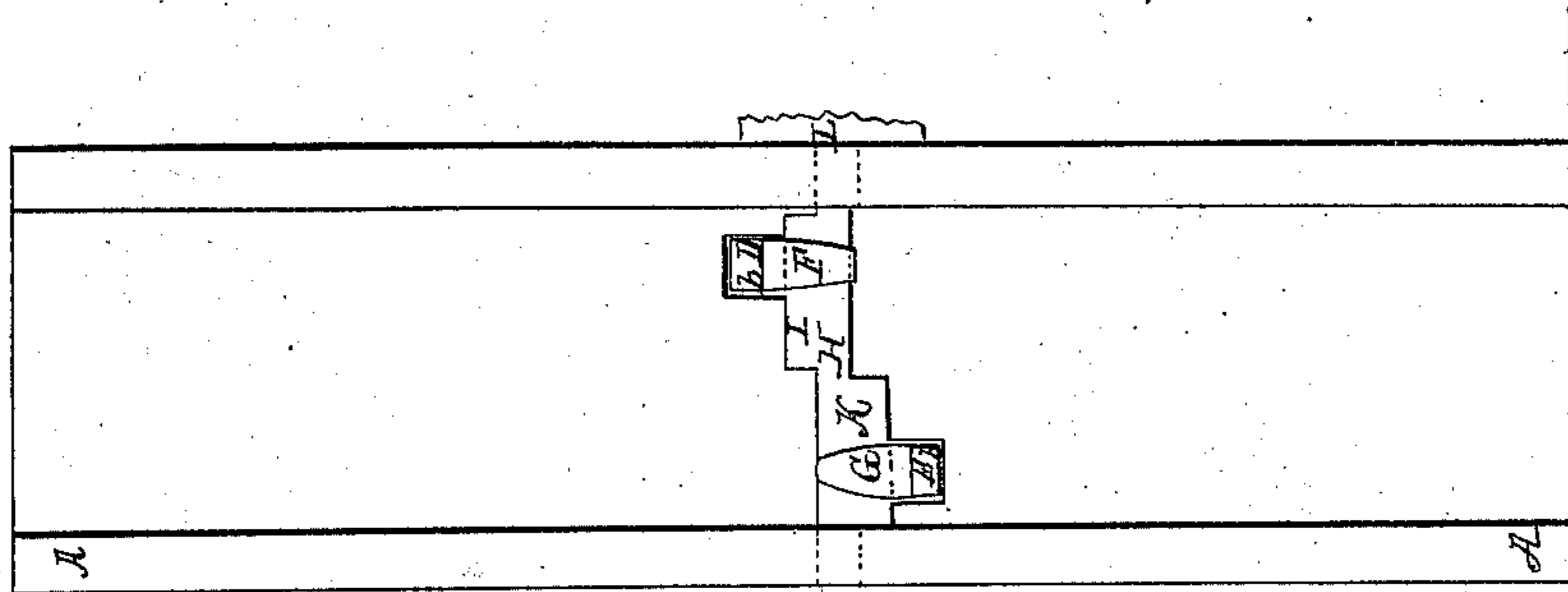


Fig 1

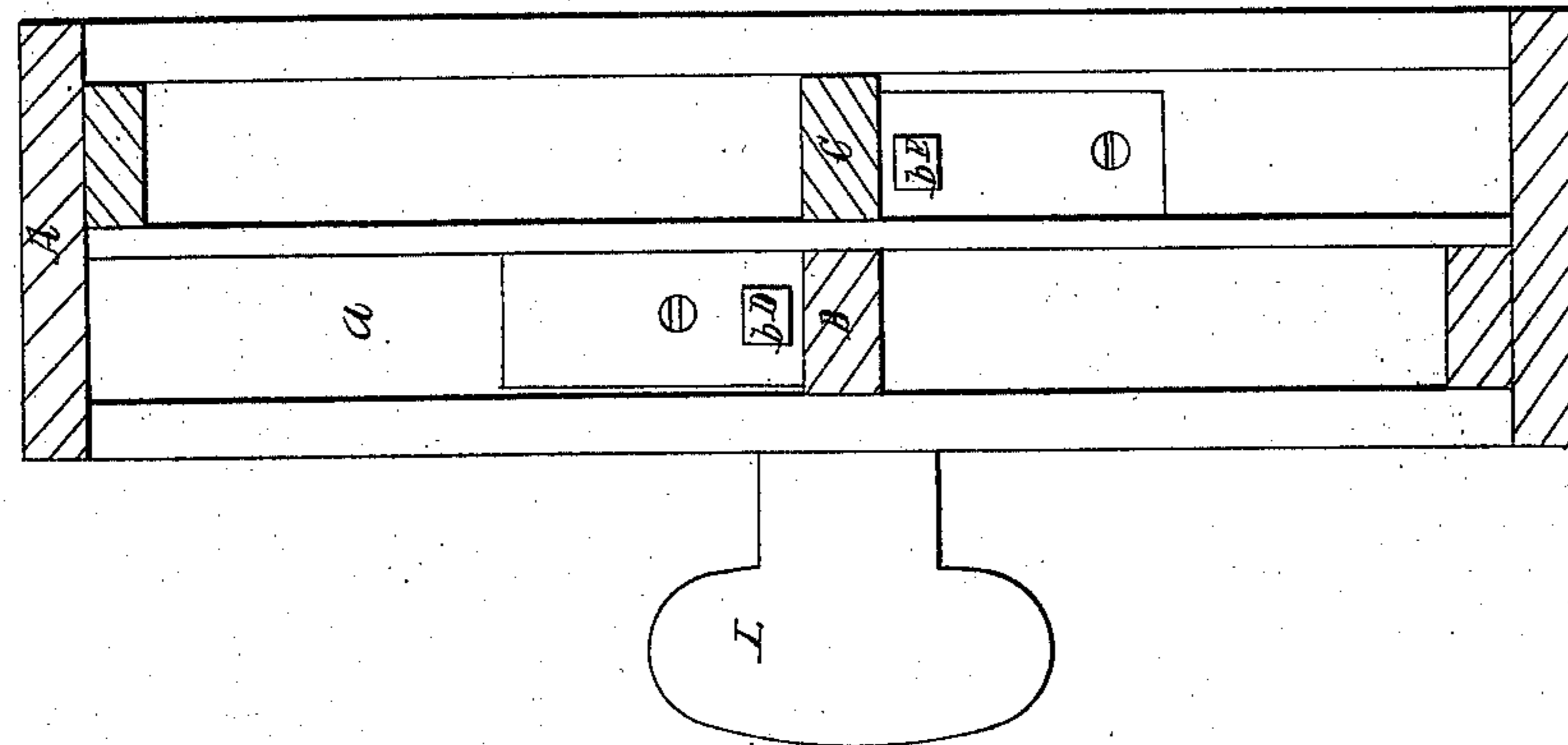
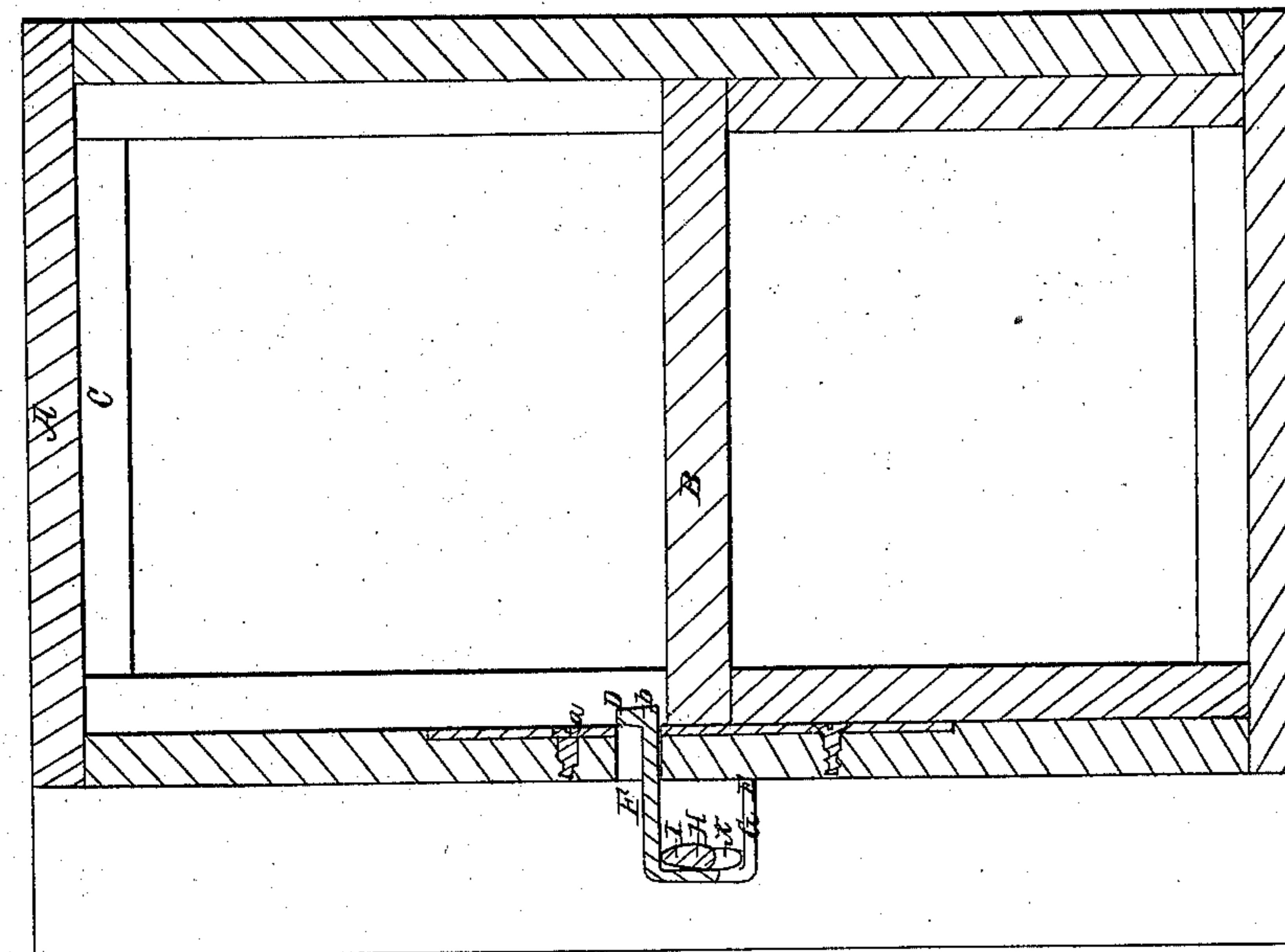


Fig 2



UNITED STATES PATENT OFFICE.

HANDEL S. CHAPLIN, OF GLOVER, VERMONT.

WINDOW-SASH FIXTURE.

Specification of Letters Patent No. 12,854, dated May 15, 1855.

To all whom it may concern:

Be it known that I, HANDEL S. CHAPLIN, of Glover, in the county of Orleans and State of Vermont, have invented a new and useful Improvement in Window-Sash Fixtures; and I do hereby declare that the same is fully described and represented in the following specification and the accompanying drawings, letters, figures, and references thereof.

Of the said drawings, Figure 1, denotes a transverse and vertical section of a window having my invention applied to its frame and two sashes. Fig. 2, is a longitudinal section of the same, it being taken through the inner sash. Fig. 3, is a side view of the window-frame, the rocker shaft, cams and retractive arms of the spring friction bolts to be hereinafter described being therein represented.

In such drawings A, exhibits the window frame B and C, the sashes, the latter being applied to the former so as to be capable of being respectively raised or lowered as occasion may require. Above the upper sash when it is closed or depressed to its lowest position and in the jamb *a*, of the window frame, a spring locking bearer is arranged and formed as seen at D, in Figs. 1, and 2. A similar spring bearer E is also so applied to the jamb of the frame, and below the upper sash when it is closed or elevated to its highest position. From these two springs, two bent retractive arms F, G, extend and on opposite sides of or above and below a horizontal rocker shaft, H, disposed in the frame A, as seen in the drawings. The arms operate respectively with two cams or projections I, K, extended in opposite directions from the rocker shaft. By turning the knob L, of the rocker shaft in one

direction, the said shaft will force one of its cams against one of the retractive arms so as to cause it to move back and draw its spring rearward. So when the knob is rotated in the opposite direction the other cam will be made to act on its retractive arm, so as to produce a backward movement of the spring bearer or bolt thereof. Thus by the use of a single rocker shaft and its knob, the holding contrivance of either sash can be operated at pleasure such contrivance serving by pressure against the sash to hold it at any desirable elevation, and also to prevent the sash from being opened while the bolt, *b*, of the bearer projects either over or under the sash as the case may be.

The simplicity, construction and mode of operation of the above specified window fastener render it very valuable and economical in use.

I do not claim the application of a friction spring or bolt to a window frame and sash and for the purpose of either holding by friction the said sash at any elevation within the limits of its motion or of locking said sash so that it may not be either raised or lowered from the outside of the window, but

What I do claim is—

Arranging two spring friction bolts, their retractive arms, cams, and one rocker shaft together and with respect to two window sashes and so as to operate in manner substantially as specified.

In testimony whereof, I have hereunto set my signature this eleventh day of April, A. D. 1855.

HANDEL S. CHAPLIN.

Witnesses:

JAMES SIMONDS,
JAMES N. FRENCH.