

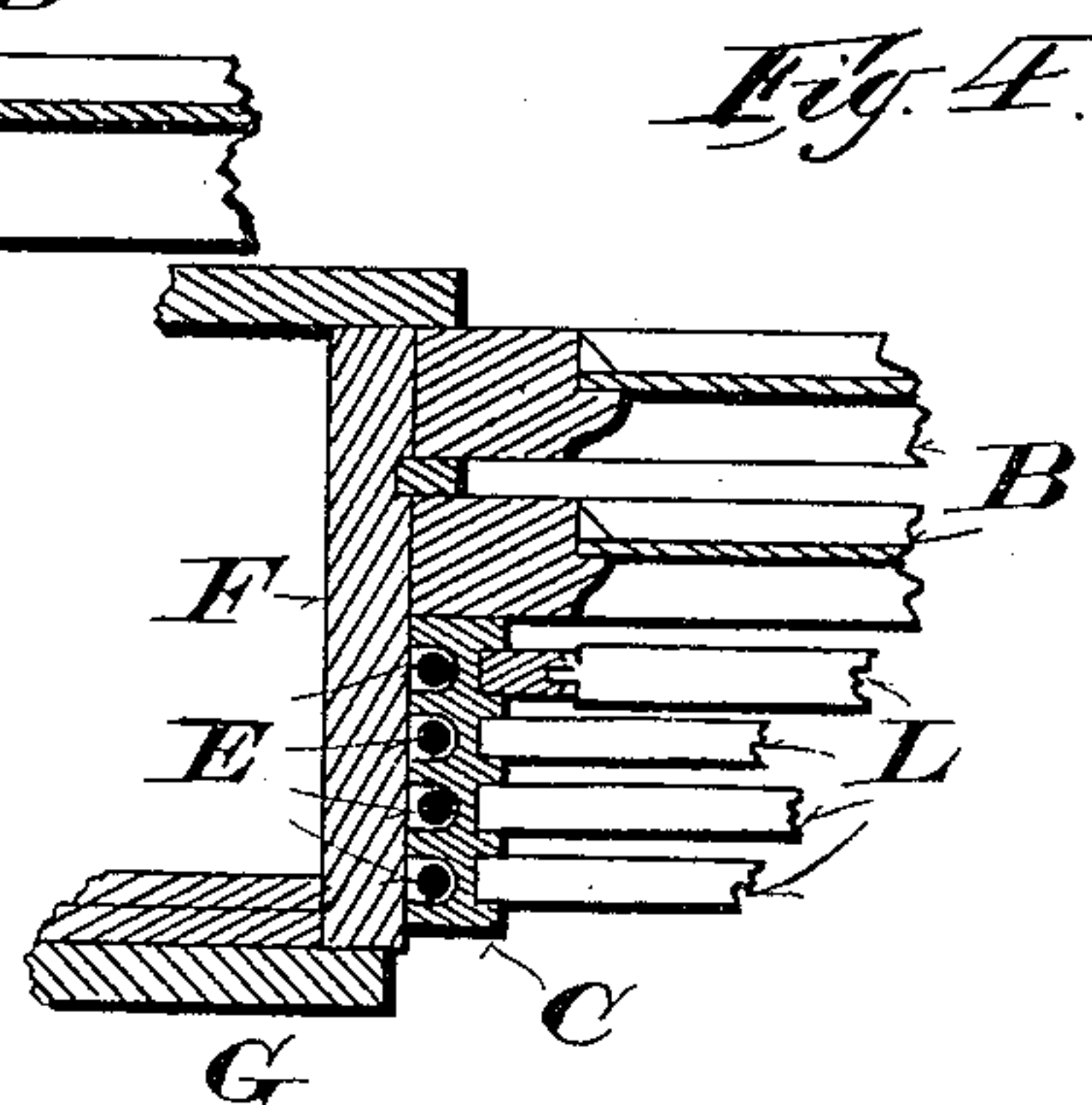
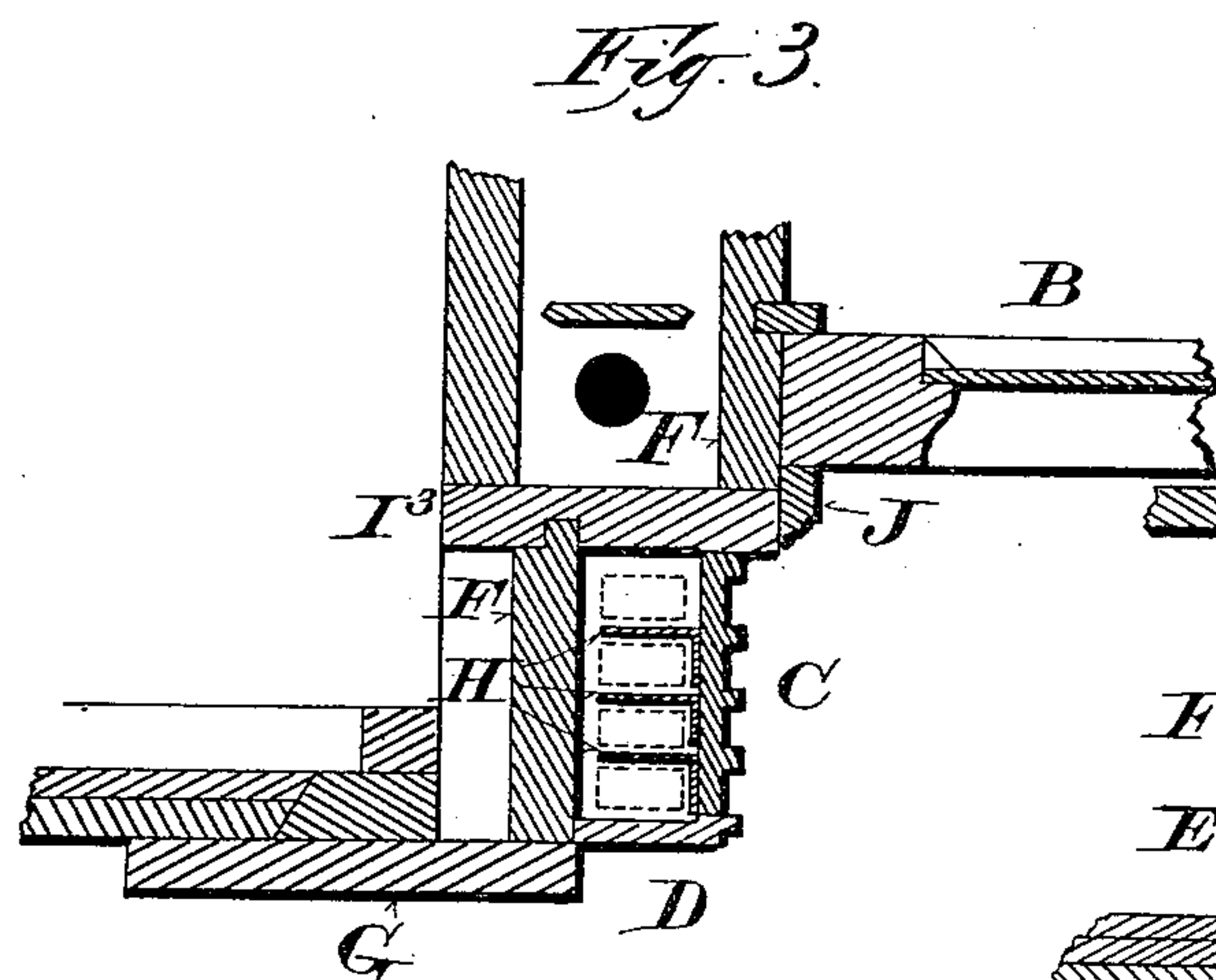
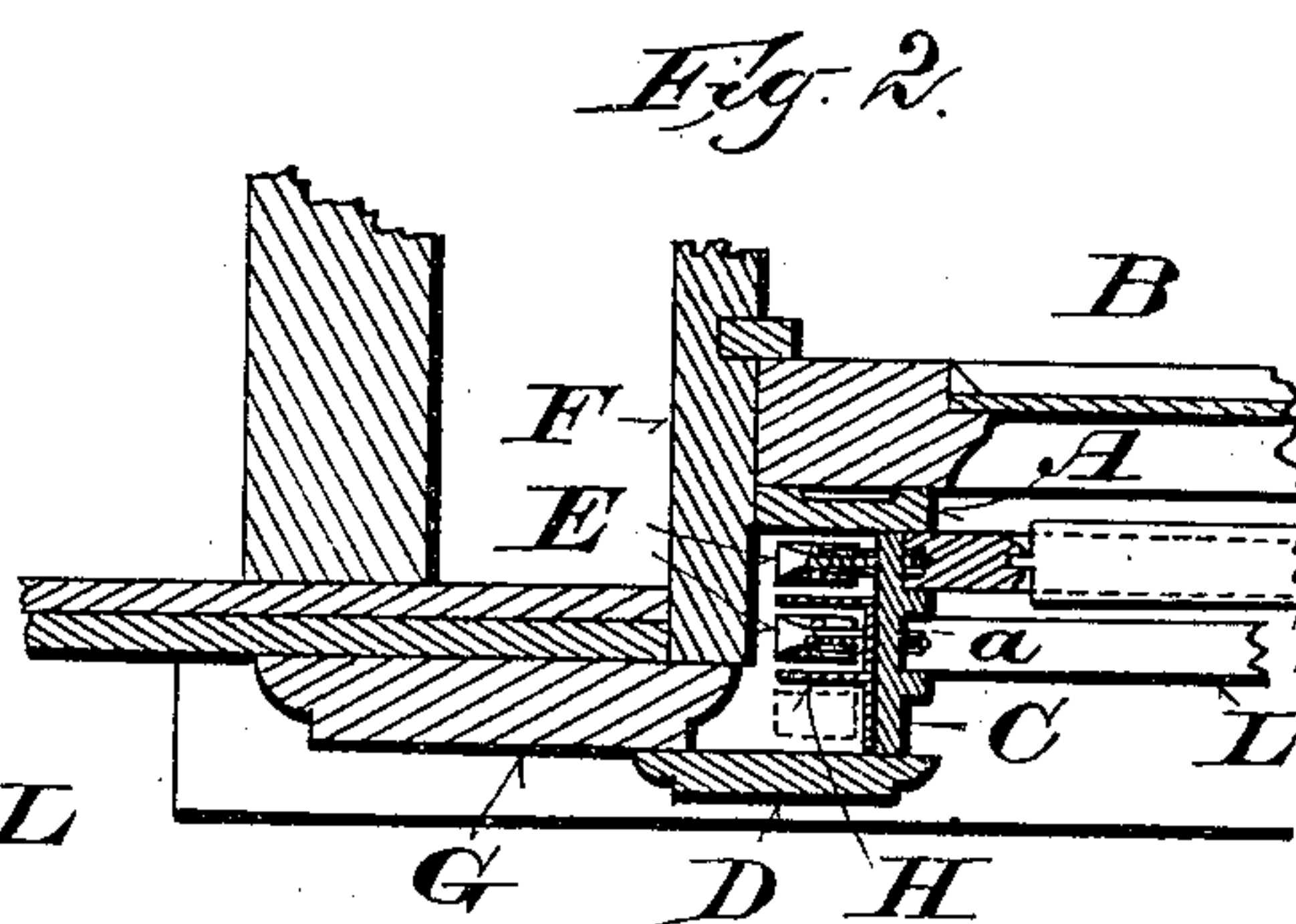
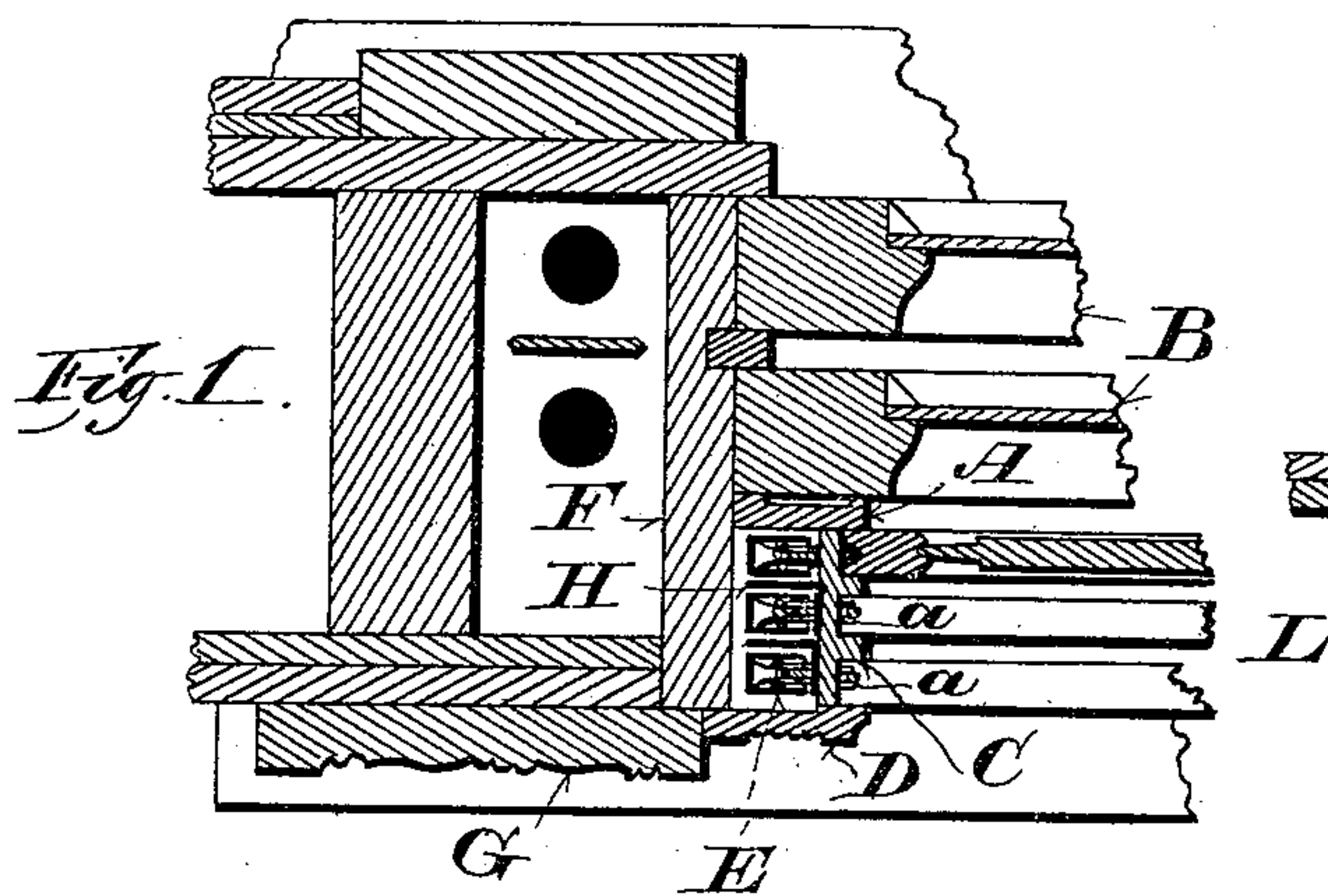
(No Model.)

W. A. HOLBROOK.

FIXTURE FOR SLIDING BLINDS.

No. 353,858.

Patented Dec. 7, 1886.



Witnesses:

Chas. K. Goss,

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Inventor.

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UNITED STATES PATENT OFFICE.

WALTER A. HOLBROOK, OF MILWAUKEE, WISCONSIN.

FIXTURE FOR SLIDING BLINDS.

SPECIFICATION forming part of Letters Patent No. 353,858, dated December 7, 1886.

Application filed July 24, 1886. Serial No. 209,009. (No model.)

To all whom it may concern:

Be it known that I, WALTER A. HOLBROOK, of the city and county of Milwaukee, and State of Wisconsin, have invented certain new and useful Improvements in Fixtures for Sliding Blinds; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The objects of my invention are, first, to apply sliding blinds to finished windows without changing or mutilating the window frames or finish already in use; second, to provide suitable boxes or inclosures for counterbalancing weights or cords of connected sections; third, to utilize the runway-strips as parts of said boxes or inclosures, and, fourth, to utilize said boxes for sash-stops. These objects I attain by the peculiar construction and arrangement hereinafter described.

In the accompanying drawings like letters refer to the same parts in the several figures.

Figure 1 is a horizontal section of one side of a window frame and finish to which my improvements are applied, and Figs. 2, 3, and 4 are like views of modified forms and arrangements.

For convenience of illustration I have shown but one side of the window-frame, it being understood, of course, that the other side is the counterpart of that shown.

B B are window-sashes, F F the window-jambs, and G G the inside casing.

L L represent a series of blind-sections arranged to slide vertically in the grooved runway-strips C C. The blind-sections may be connected by cords with and counterbalanced by each other in pairs, or may be hung with counterbalancing-weights E E, connected therewith by means of cords or chains which run over pulleys *aa* in said runway-strips C C. The weights E E run in boxes formed therefor by inclosing a space at each side of the window between the jambs F F, or window-finish, and said runway-strips.

H H are L-shaped metallic strips secured in an upright position inside of said boxes when

weights are to be used, so as to separate said weights E E, prevent their clashing, and thereby secure the smooth running of the blind-sections.

The number of blind-sections employed may be varied as desired to suit the requirements of taste or of different constructions. A part or all of the sections may be hung with counterbalancing-weights, or a part or all may be provided with springs or cams in the usual way; or the sections may be connected in pairs by cords and arranged to counterbalance each other. When weights are employed, removable sections are made in the usual way in the weight-boxes, preferably in the runway-strips C C, forming a part thereof, in order to get at said weights when desired.

Referring to Fig. 1, C represents the runway-strip grooved upon its inner face to receive and guide the edges of the blind-sections L L, and forming the inner side of the weight-box. A is the back side of the weight-box, which takes the place of the ordinary sash-stop in retaining the lower sash, B, in position in the window-frame. The front side, D, of said weight-box may be molded in various known forms to harmonize with the surrounding finish. Where the jamb F is sufficiently wide to permit of it, the front side, D, of said weight-box can be finished against the inner face of said jamb instead of covering or overlapping its front edge, as shown in Fig. 1.

In Fig. 2 is shown an arrangement of the runway-strip C and weight-box similar to that shown in Fig. 1, except that for want of sufficient width of the jamb F the front side, D, of said weight-box is set in front of and overlaps the casing G. Fig. 3 shows a similar construction, in which the weight-box is placed in a space commonly formed in finishing brick or stone buildings by setting the jamb-lining I back or outside of the jamb F. With this construction the ordinary sash-stop, J, retains the lower sash, B, in position in the usual manner. In Fig. 4, illustrating an arrangement similar to that shown in Fig. 1, the runway-strip C is grooved on its outer face adjacent to the window frame or jamb to receive and form boxes for the weights E E or cords when connected counterbalancing-sections are used, the runway-strip, sash-stop, and weight-

box being thus formed integrally of a single piece. In this construction the metallic division-strips L L are dispensed with, the tongues left between the grooves serving to
5 separate the weights E E.

These several constructions shown in the drawings may be readily applied to windows finished in the usual way without changing or mutilating the window frame or finish, the
10 weight-box being made separate from and attached to the inner face of the jamb or jamb-lining, which may serve as one side of said box. The combined weight-box and runway-strip, taking the place in Figs. 1, 2, and 4 of
15 the ordinary sash-stop, are secured to the window frame or jamb by means of screws or fastenings in such a way as to be readily removed when desired, and in the several constructions shown the weight-boxes and the
20 runway-strips, forming a part thereof, may be removed from the window, leaving the frame and finish complete and intact. When the weight-box or runway-strip is set inside of the window frame or jamb, as shown in Figs.
25 1, 2, and 4, shorter blind-sections can obviously be used.

Instead of grooving the runway strips C, they may be provided with tongues arranged to work in grooves formed therefor in the
30 edges of the blind-sections L. In short, the details of my improvements may be variously modified without departure from the spirit of my invention.

I claim—

35 1. The combination, with a window frame and finish, of a detachable blind-weight box applied to the inner face of the window-jamb and bearing against the window-sash, and a

runway-strip forming the inner face of said weight-box, substantially as and for the pur- 40
poses set forth.

2. The combination, with a window frame and finish, of a series of sliding blind-sections, a weight-box the inner side of which is set in
45 from said frame or finish, inclosing therewith a space for the blind-weights, and a runway-strip forming the inner side of said weight-box, substantially as and for the purposes set forth.

3. The combination, with a window-frame 50
and finish, of a series of sliding blind-sections, a weight-box the inner and front sides of which are built in from and inclose a blind-weight space with the finished inner face of the jamb or jamb lining which forms the outer
55 side of said box, runway-strip C, forming the inner side of said box, weights E E, and pulleys a a, set in said runway-strip C, substantially as and for the purposes set forth.

4. The combination, with a window frame, 60
of a weight-box the inner and front sides of which are formed separate and are built in from said frame, inclosing therewith a space for the blind-weights, runway-strips C, forming the inner side of said weight-box, the
65 L-shaped division-strips H, attached to said runway-strips C, and the sliding blind-sections L L, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as 70
my own I affix my signature in presence of two witnesses.

WALTER A. HOLBROOK.

Witnesses:

CHAS. L. GOSS,
GEORGE GOLL.