

H. K. WHEELER.  
VENTILATING BLIND.  
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975,491.

Patented Nov. 15, 1910.

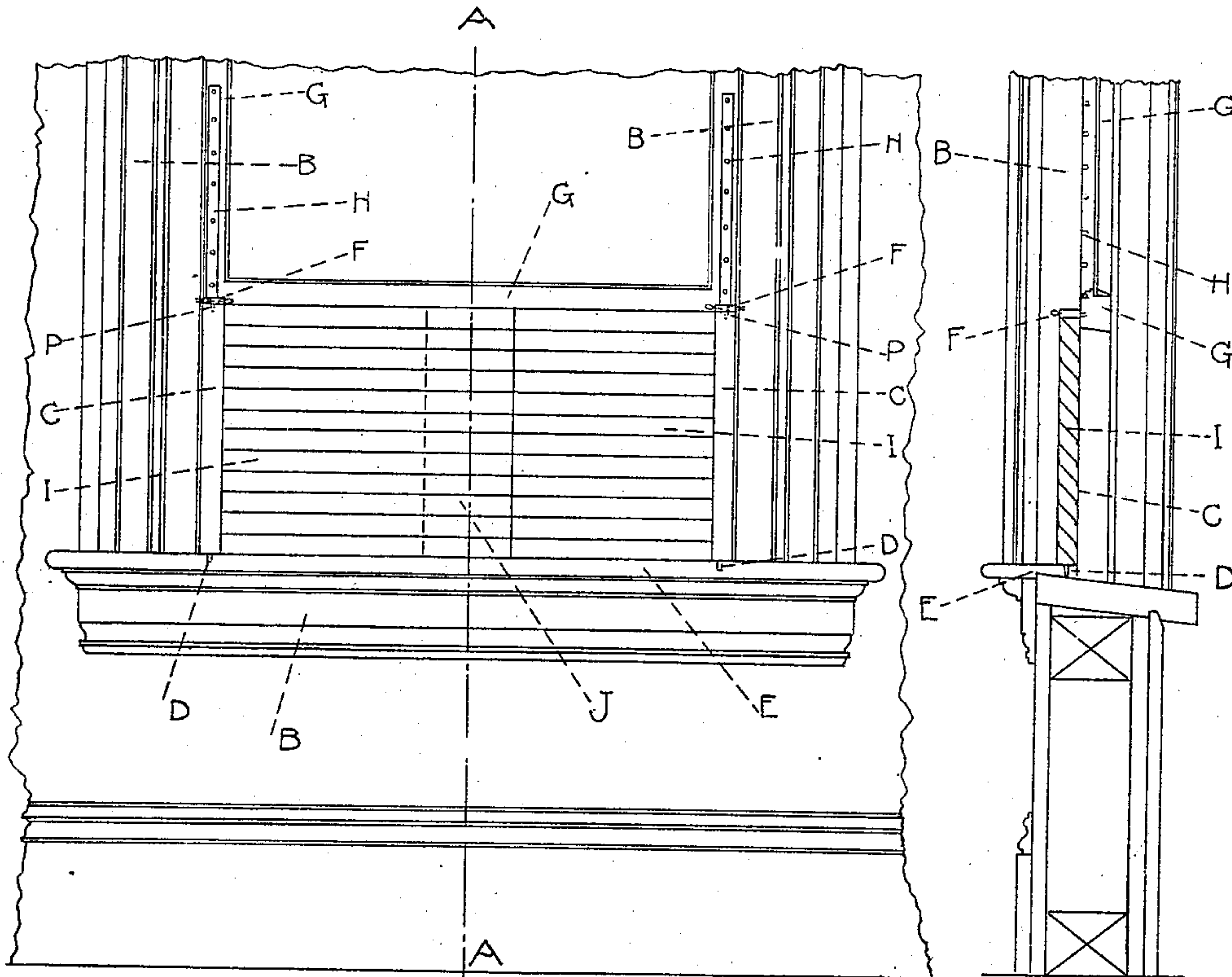


FIG. 1

FIG. 2

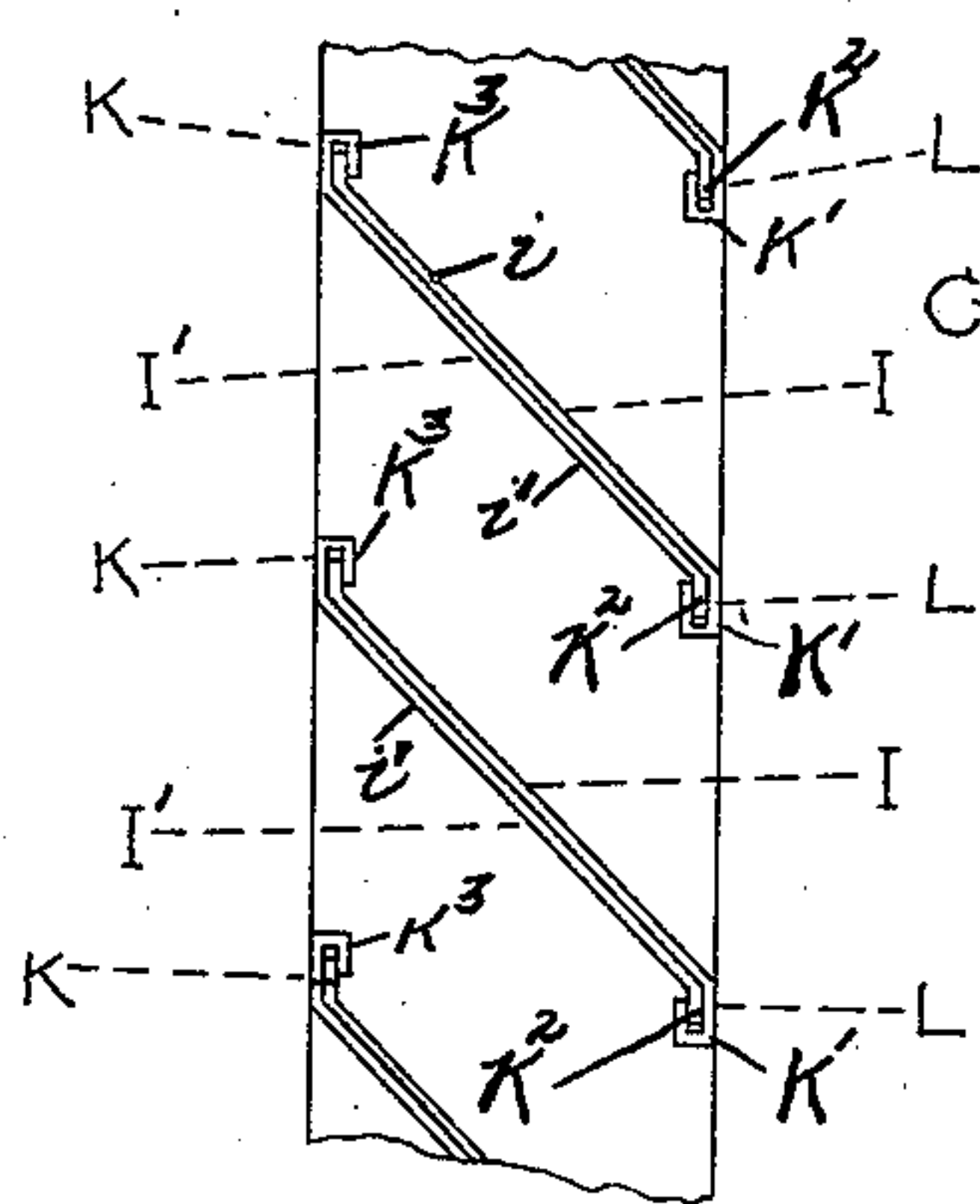


FIG. 3

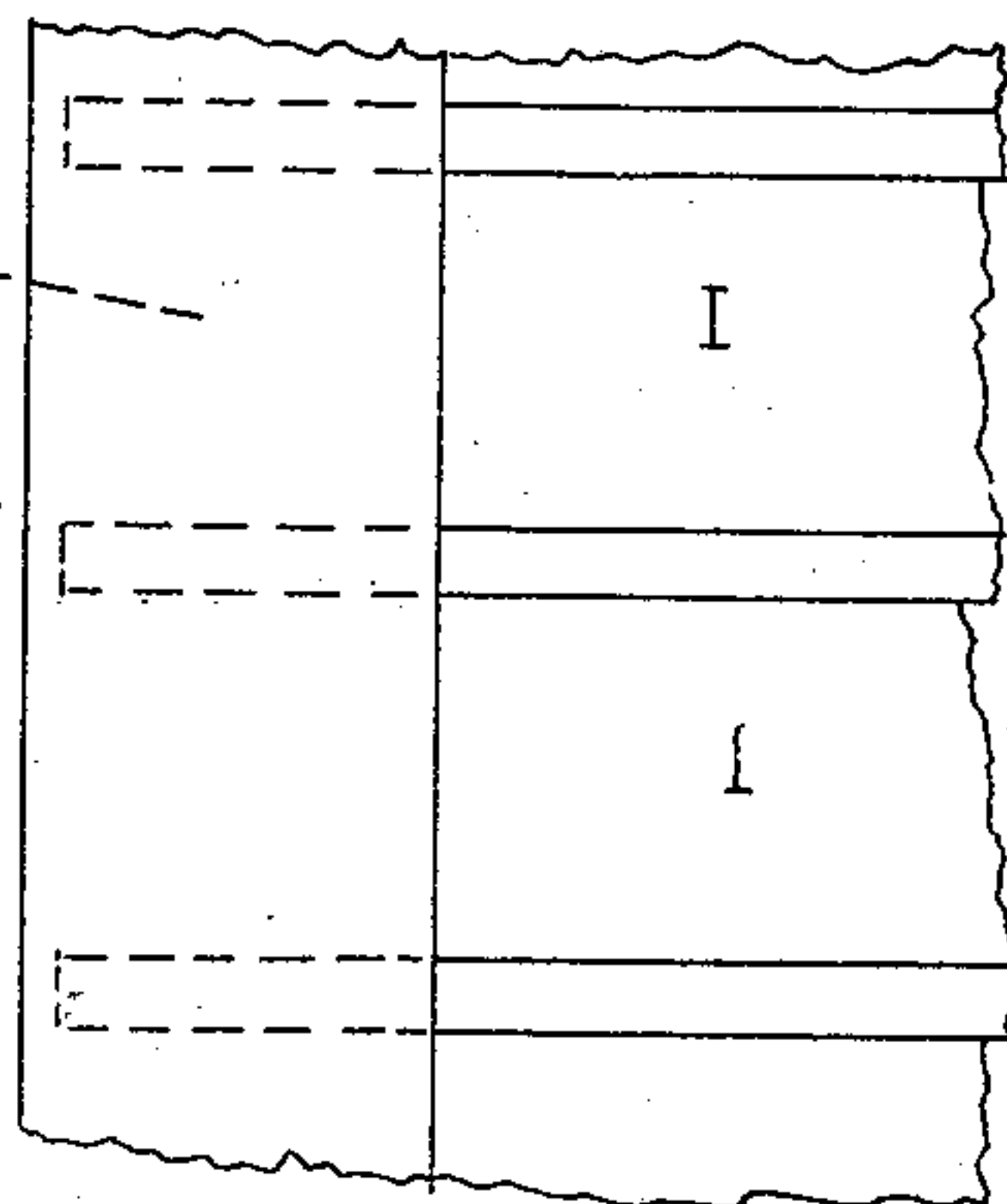


FIG. 4

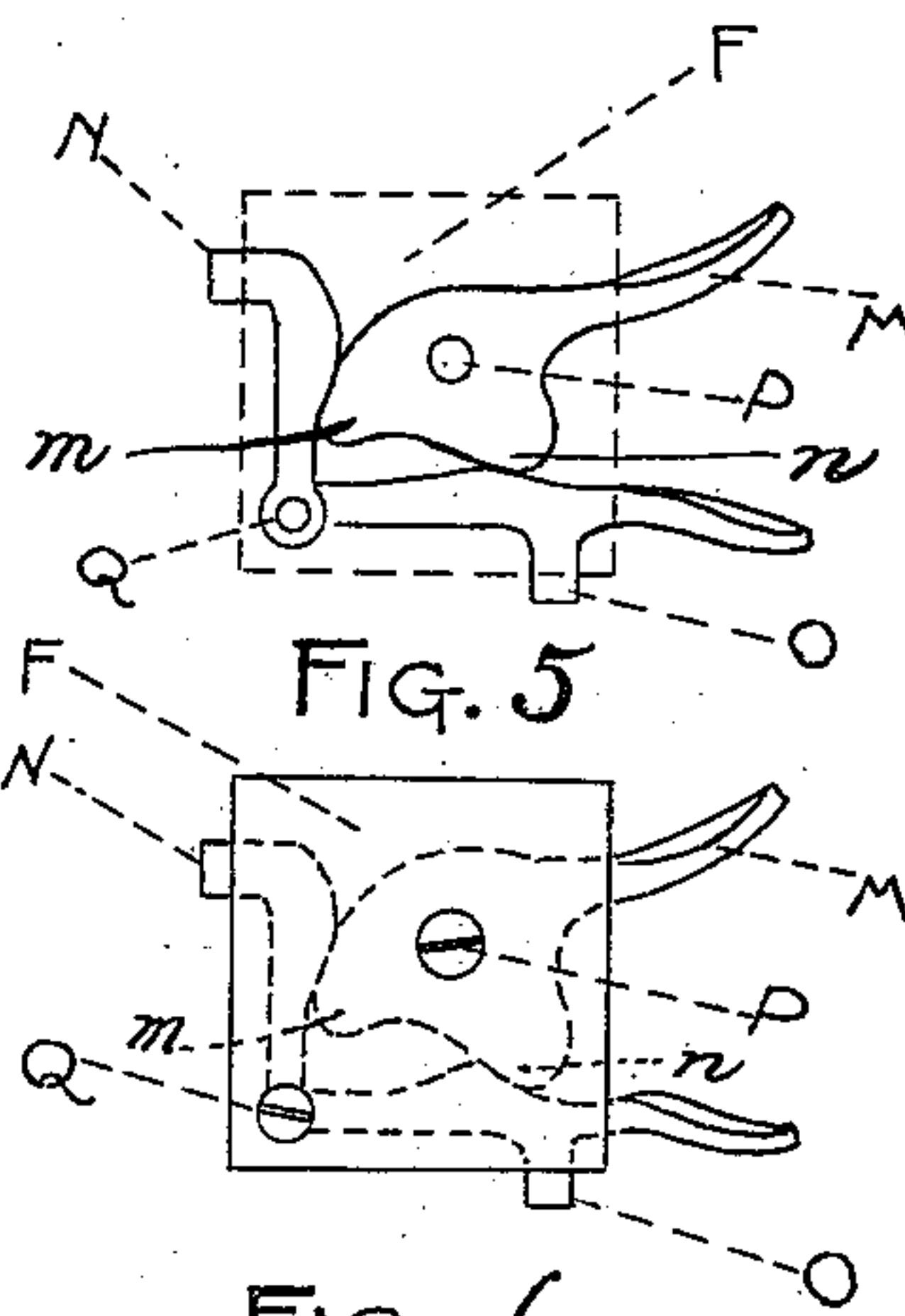


FIG. 5

FIG. 6

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# UNITED STATES PATENT OFFICE.

HOLMAN K. WHEELER, OF MALDEN, MASSACHUSETTS.

## VENTILATING-BLIND.

975,491.

Specification of Letters Patent. Patented Nov. 15, 1910.

Application filed February 2, 1910. Serial No. 541,654.

*To all whom it may concern:*

Be it known that I, HOLMAN K. WHEELER, a citizen of the United States of America, residing at Malden, in the county of Middlesex and Commonwealth of Massachusetts, have invented a new and Improved Ventilating-Blind, of which the following is a specification.

My invention relates to ventilating blinds to be used in connection with partially opened windows and the objects of my invention are, first, to provide an improved means for suitably ventilating rooms, second, to provide a fastening device which will hold a window sash open and securely fasten the same at any desired point, third, to provide a telescoping ventilator which may be easily adjusted to fit windows of varying widths, fourth, to provide a means of efficiently debarring inclement weather and at the same time deflecting any and all drafts to the top of the room, and fifth, to provide a fastening device which will securely fasten and hold the telescoping slats in position at the desired width so that they can not be telescoped from the exterior. I attain these objects by the device illustrated in the accompanying drawing, in which—

Figure 1 shows the lower portion of a window with the sash raised and my ventilating blind in position. Fig. 2, shows a cross section on the line A—A in Fig. 1. Fig. 3, shows the detail of a cross section of my blind. Fig. 4, shows the detail of a front view of a section of my blind. Fig. 5, shows the fastening device by which my blind is secured to the window and frame. Fig. 6, shows a top view of the fastening device.

Similar letters refer to similar parts throughout the several views.

In Fig. 1, B shows the window casing, C shows the upright framework of my ventilating blind, D shows the tenons on the lower ends of the uprights C which tenons fit in prepared mortises in the window sill and thus prevent the blind from telescoping when in position, F shows the locking device by which my blind is fastened first to the window casing B and secondly to the window sash G by means of my improved double spring catch which enters the holes H in the window sash G. The blind slats I telescope at J, as hereinafter stated (see Fig.

3), so as to enable the blind to be adjusted to fit a window of any width.

The horizontal, telescoping slats, forming the ventilating-blind, are arranged in pairs one above the other at suitable intervals, as shown most clearly in Fig. 3. Each pair is constructed as follows: The upper telescoping blind-slat I of the pair has an upward-inclined body-portion  $i$  to deflect upward the intrushing air-current, an upturned flange K at its upper end, and a hook K' at its lower extremity. The lower, telescoping blind-slat I' is provided with a similar body-portion  $i'$  bearing against the other body-portion, and with a down-turned flange K<sup>3</sup> at its lower end disposed in the hook K', and with a hook K<sup>3</sup> at its upper end, in which is disposed the flange K of the upper slat I. This arrangement and construction presents a very compact and efficient form of telescoping-slats, and eliminates lost motion.

In Fig. 5, M shows the thumb lever which as shown operates the double catches, N and O, on my locking device F. The thumb lever and catches are suitably incased so as to give a finished appearance to the locking device F. The devices F are securely fastened to the uprights C by means of screws P and Q which also operate as pivots on which the thumb lever M and the catches N and O turn, see Fig. 6. The amount of air passing between the slats may be controlled by raising or lowering the window sash to any desired point.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

In a ventilating-blind structure, upright frames, pairs of telescoping slats disposed between and supported by said frames, and means, carried by said frames, for preventing telescoping of said slats while the blinds are in place, and separate means, also carried by said frames, for locking said frames in engagement with a window-casing.

In testimony whereof I hereunto set my hand in the presence of two subscribing witnesses.

HOLMAN K. WHEELER.

Witnesses:

CHARLES W. LOVETT,  
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