

(No Model.)

2 Sheets—Sheet 1.

J. A. WRIGHT.
BLIND SLAT FASTENER.

No. 583,831.

Patented June 1, 1897.

Fig. 2.

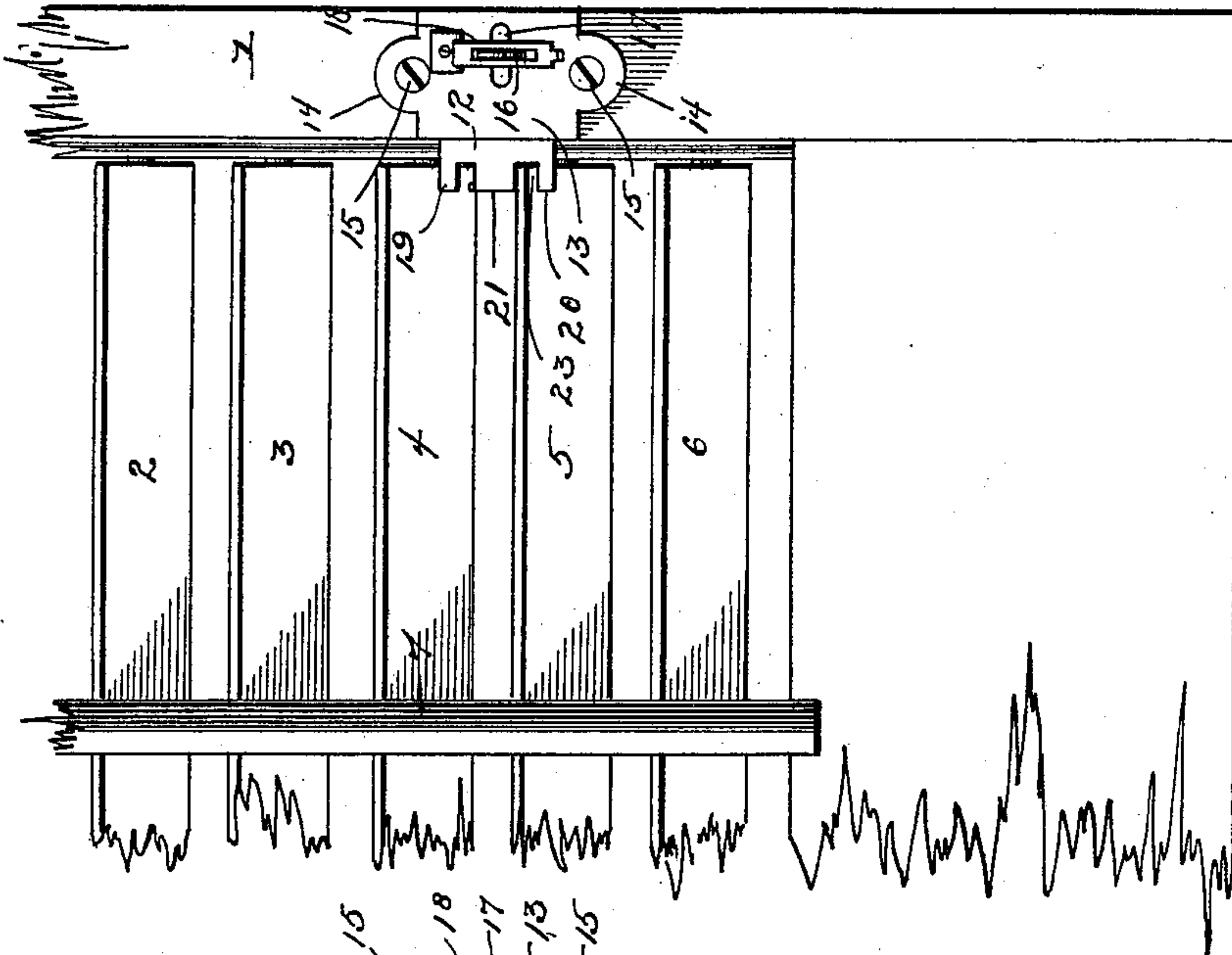


Fig. 1.

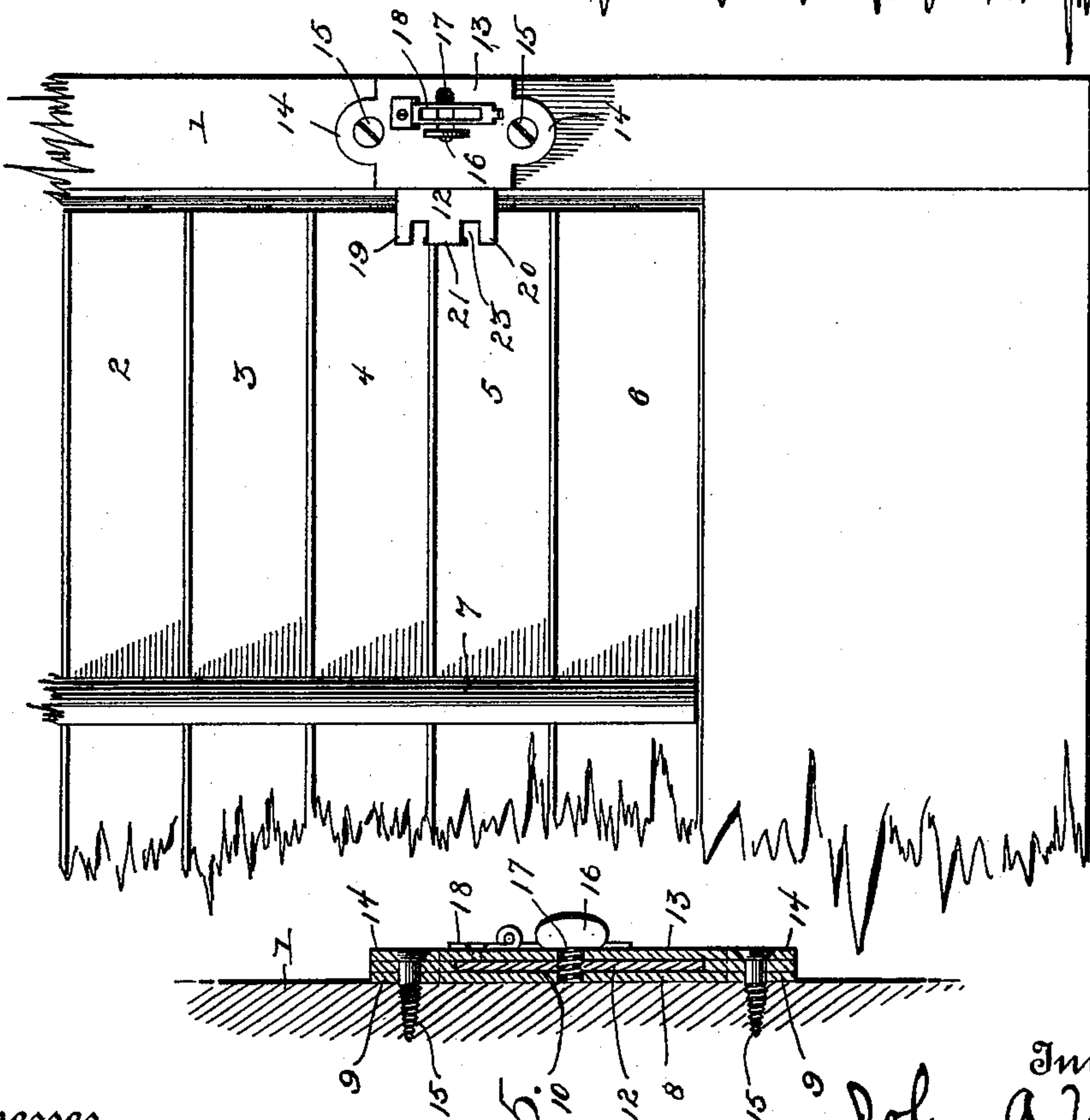
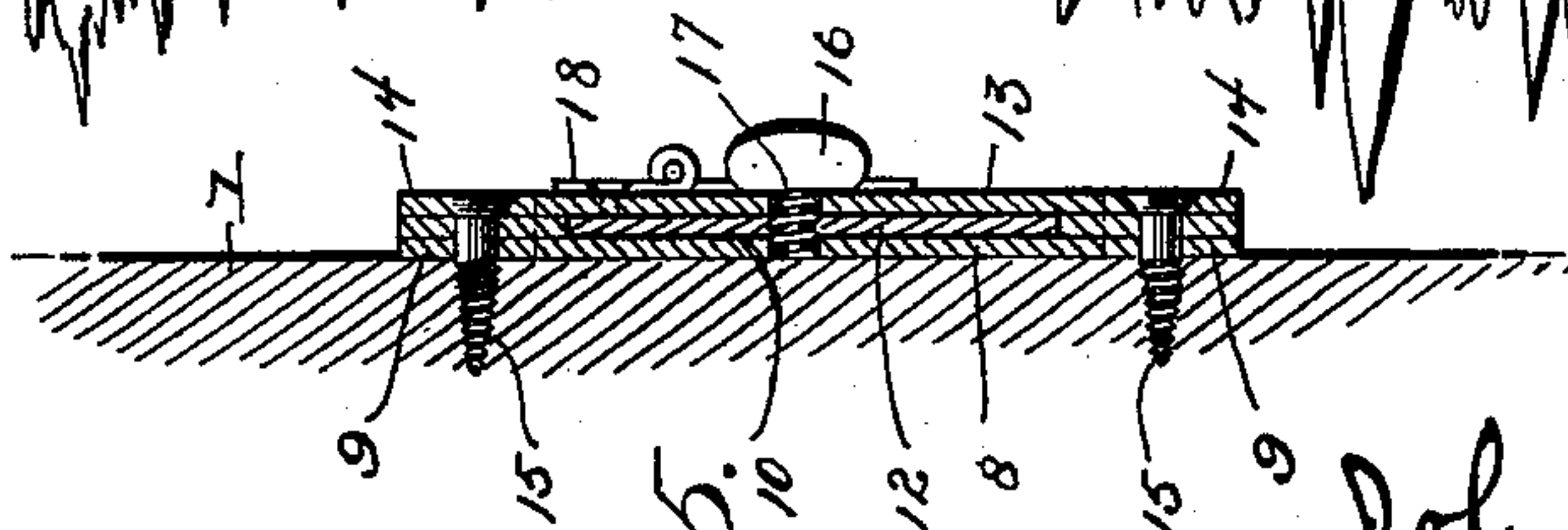


Fig. 5.



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Fig. 4.

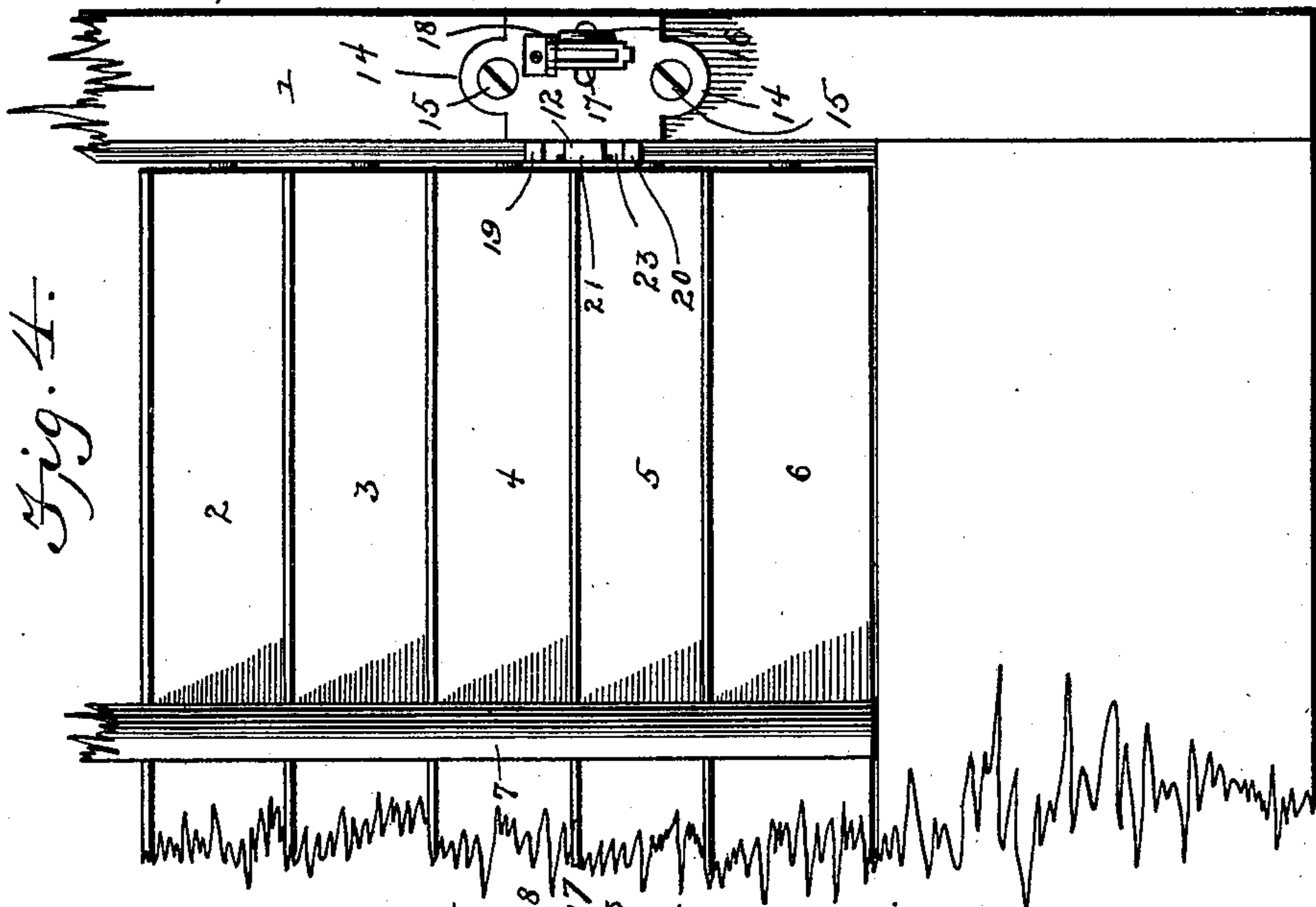


Fig. 5.

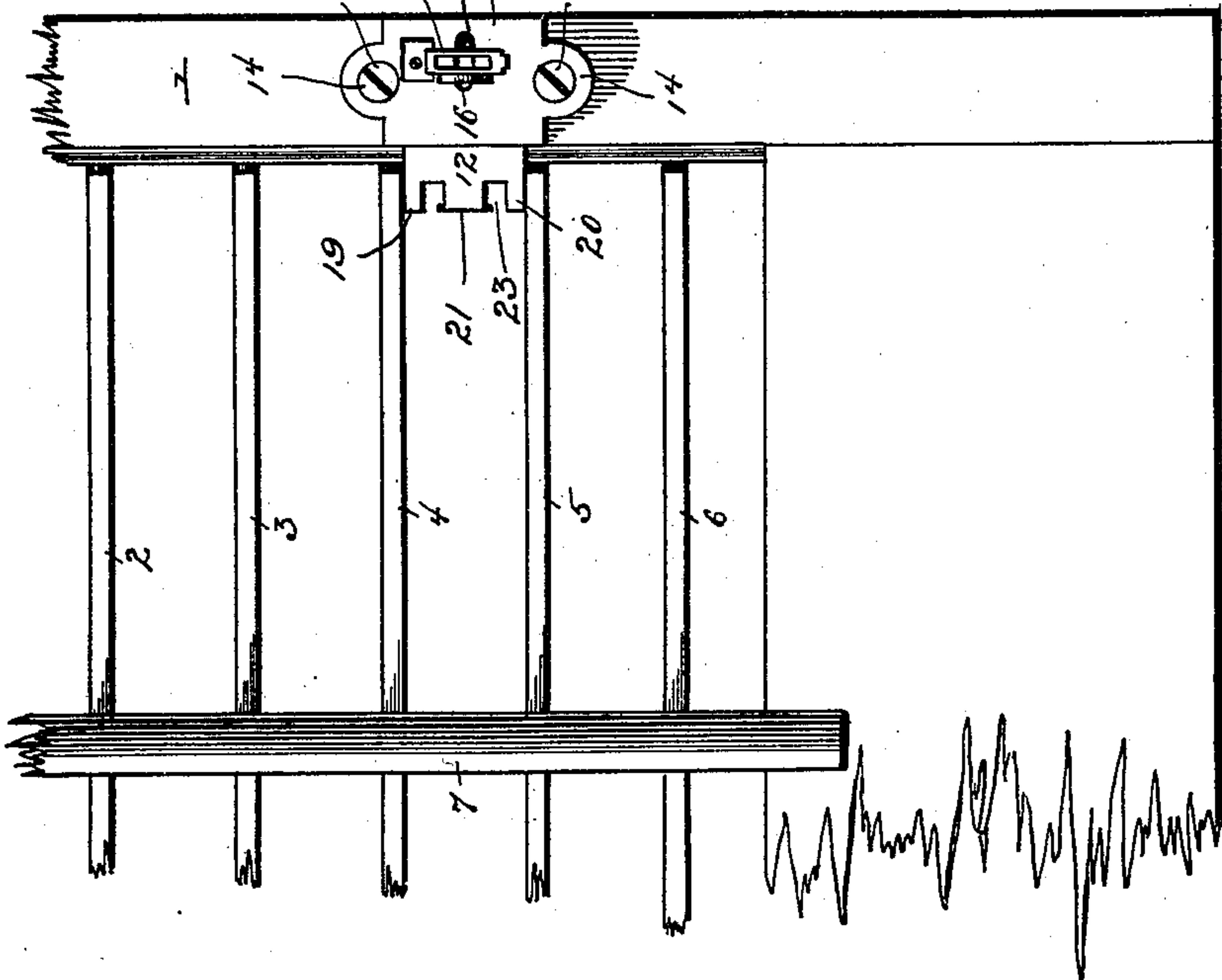
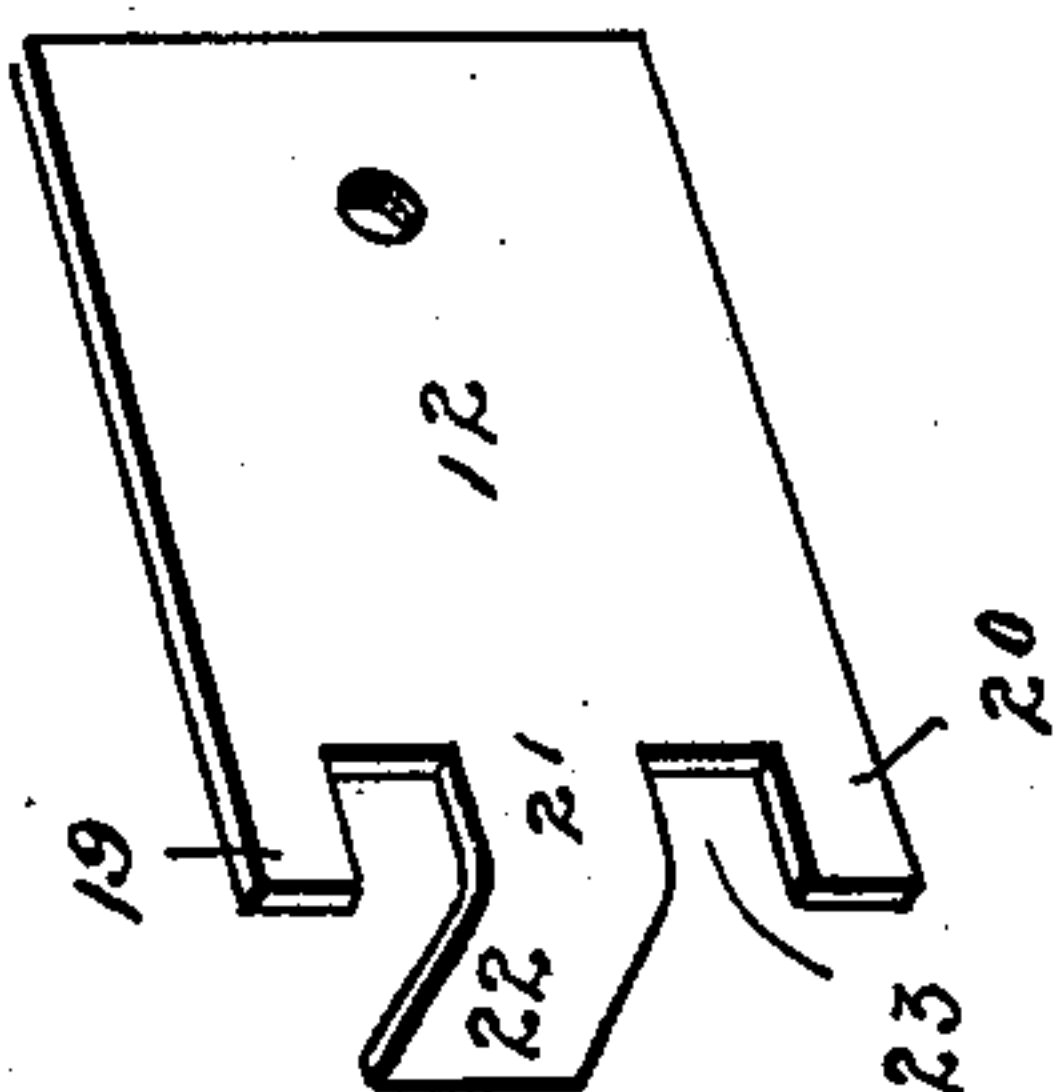


Fig. 6.



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UNITED STATES PATENT OFFICE.

JOHN ALAXANDER WRIGHT, OF EAGLE PASS, TEXAS.

BLIND-SLAT FASTENER.

SPECIFICATION forming part of Letters Patent No. 583,831, dated June 1, 1897.

Application filed October 21, 1896. Serial No. 609,588. (No model.)

To all whom it may concern:

Be it known that I, JOHN ALAXANDER WRIGHT, a citizen of the United States, residing at Eagle Pass, in the county of Maverick and State of Texas, have invented certain new and useful Improvements in Blind-Slat Fasteners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has relation to improvements in locks for securing the pivoted slats in window-blinds; and the object is to provide a simple, cheap, convenient, and effective device for securing said slats in a closed or partially or fully opened position.

To this end the novelty consists in the construction, combination, and arrangement of the same, as will be hereinafter more fully described, and particularly pointed out in the claims.

In the accompanying drawings the same figures of reference indicate the same parts of the invention.

Figure 1 is a front elevation of a section of the side rail and slats of a window-blind with my improved lock in place to hold the slats closed. Fig. 2 is a similar view with the slats partly open. Fig. 3 shows the slats fully opened. Fig. 4 shows the bolt of the lock shot back to clear the slats. Fig. 5 is a vertical section of the lock, and Fig. 6 is a perspective view of the bolt removed from the case.

1 represents the side rail, in which the contiguous ends of the slats 2, 3, 4, 5, and 6 are pivoted.

7 represents the usual bar, connected to the slats about midway of their length to operate the whole series simultaneously.

8 represents the bottom lock-plate, having integral ears 9 9, and 13 is the top lock-plate, having corresponding ears 14 14, intervening spacing-plates being inserted between the ears on both top and bottom plates to form a way 10 between said plates for the bolt 12 to slide in, the screws 15 15 passing through the superimposed ears and intervening spacing-plates to secure the whole to the shutter-rail.

16 is a thumb-button rigidly secured to the

bolt 12 and extending through a horizontal slot 17 in the top plate 13. This button serves to operate the bolt, and the slot 17 limits the play of the bolt. When the button is pushed to the right, the bolt is withdrawn from contact with the pivoted slats and when it is pushed to the left the bolt engages the contiguous ends of the slats to retain them in whatever position they may be adjusted.

18 represents a hinged keeper which serves to retain the button in place.

The inner end of the sliding bolt 12 is provided with two integral parallel lugs 19 and 20 and a central integral lug 21, having a right-angular arm 22, which projects inwardly, and its inner end rests against the top edge of the slat 5 and prevents its opening. As all the slats are connected by the bar 7 the locking of one slat governs them all. This is very clearly shown in Fig. 1.

The second position is represented by Fig. 2, in which the edge of the slat 5 is held by the recess 23, formed in the forward end of the bolt between the lugs 20 and 21, and in the third position shown in Fig. 3.

The recess 24 in the forward end of the bolt engages the contiguous end of the slat 4 to hold it in position.

Although I have specifically described the construction and relative arrangement of the several elements of my invention, I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention without departing from the spirit thereof.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

1. A shutter-slat lock, comprising the casing 8 13, in combination with the sliding bolt 12 having the integral projecting parallel lugs 19 20, and the central lug 21, having the angular arm 22, substantially as shown and described.

2. The lock-plate 8, having integral ears 9 and longitudinal recess 10, and the top plate 13 having integral ears 14 and horizontal slot 17, in combination with the sliding bolt 12, having integral parallel lugs 19 20, and the integral central lug 21, formed with the

right-angular arm 22, and having the thumb-button 16 secured thereto, substantially as shown and described.

3. The lock-plate 8, having integral ears 9
5 and longitudinal recess 10, the top plate 13, having integral ears 14 and horizontal slot 17, in combination with the sliding bolt 12 provided with thumb-button 16 and integral lugs 19 20, the central lug 20 having angular arm

21, and the hinged keeper 18, substantially as shown and described.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

JOHN ALAXANDER WRIGHT.

Witnesses:

J. R. SANFORD,
A. GUYON.