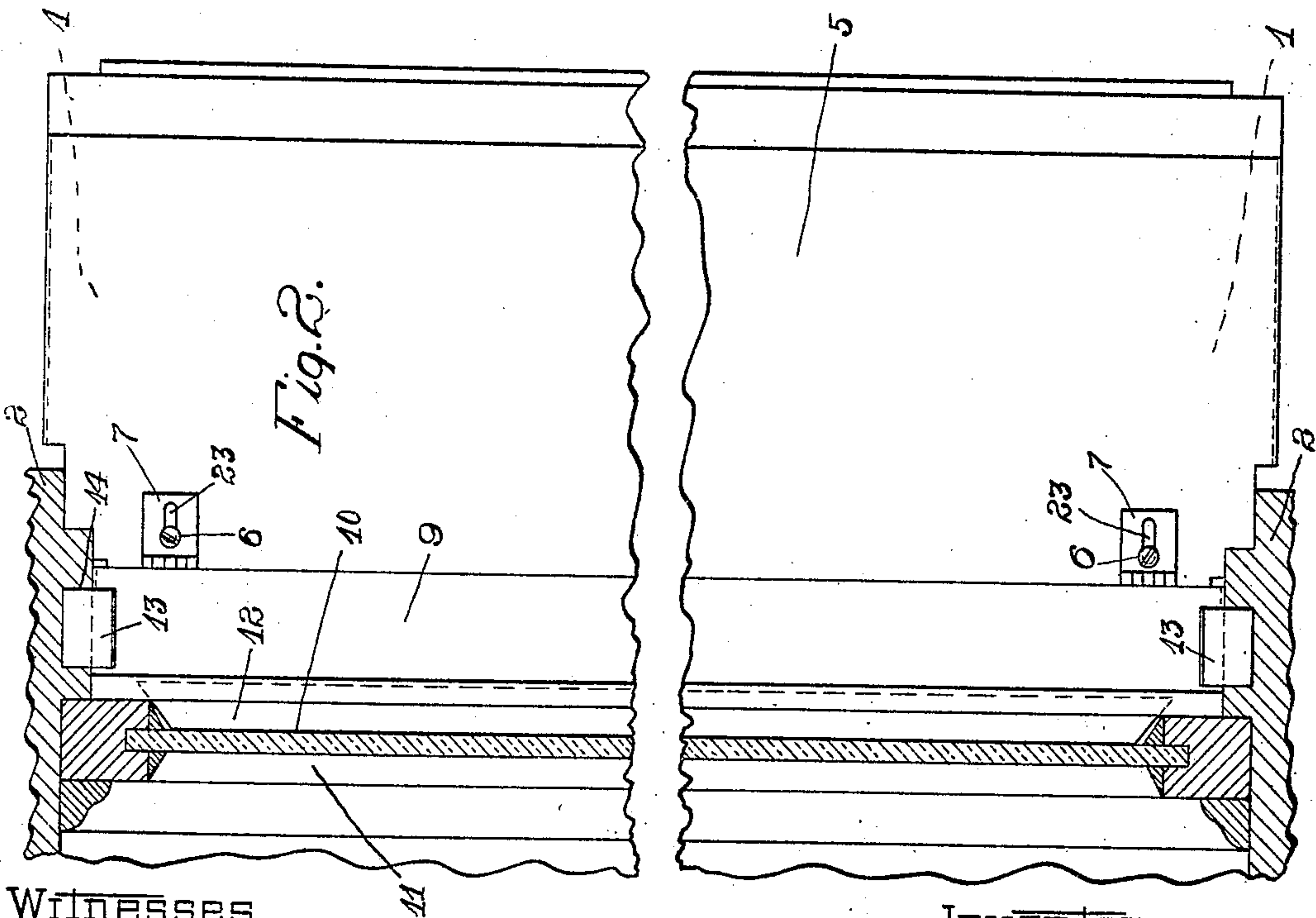
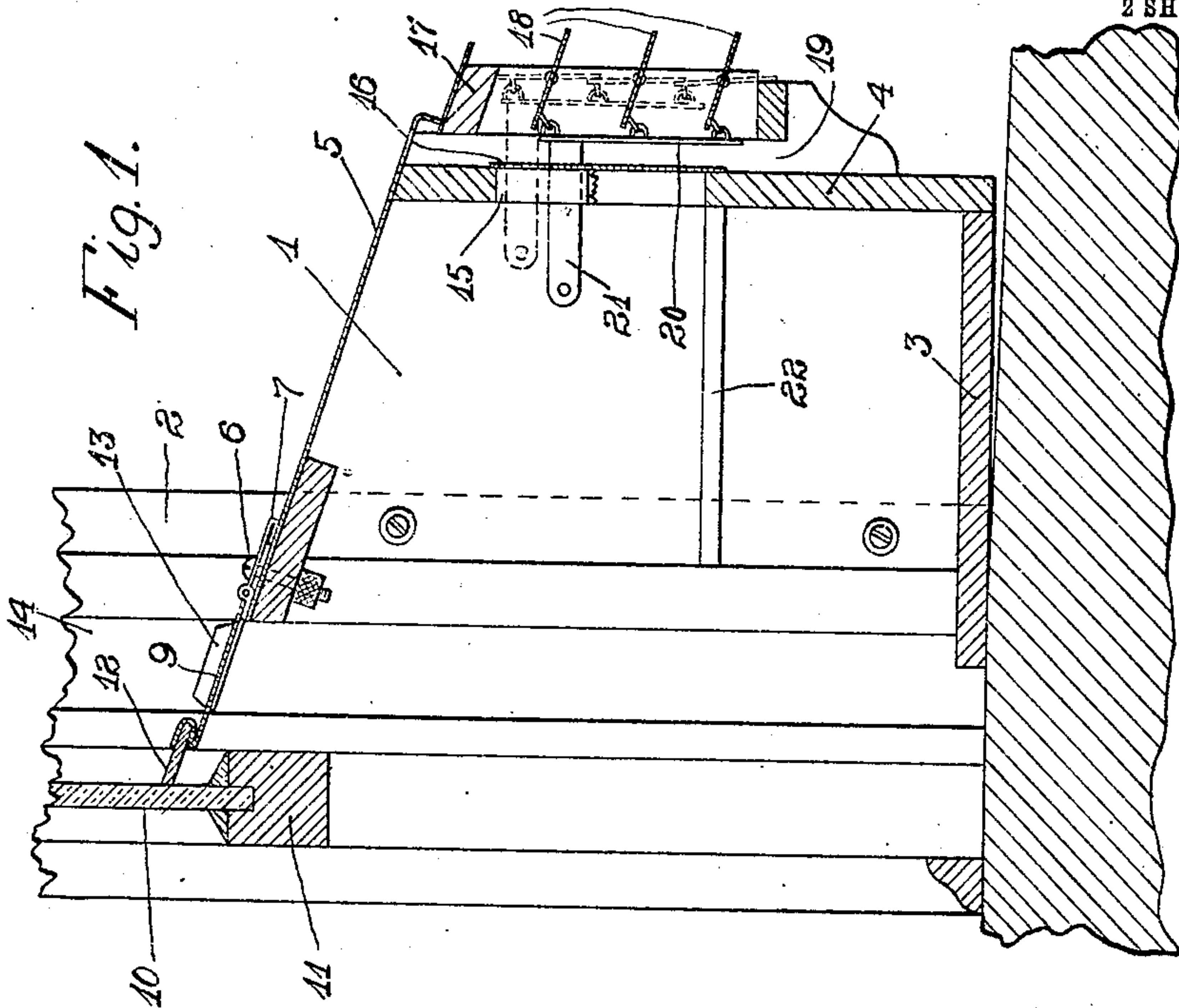


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WINDOW COOLING BOX.
APPLICATION FILED MAY 13, 1909.

946,474.

Patented Jan. 11, 1910.

2 SHEETS—SHEET 1.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

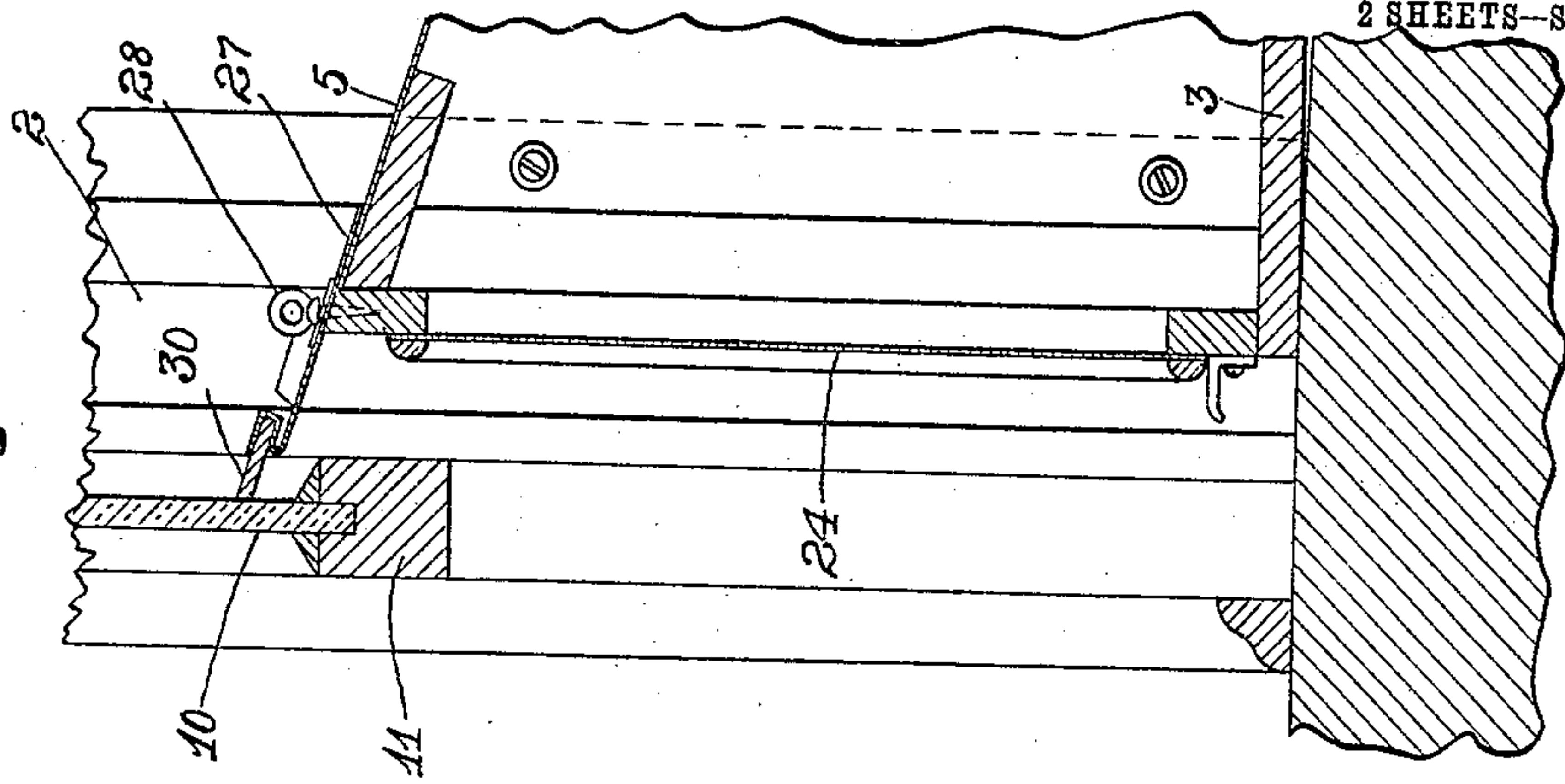


Fig. 4.

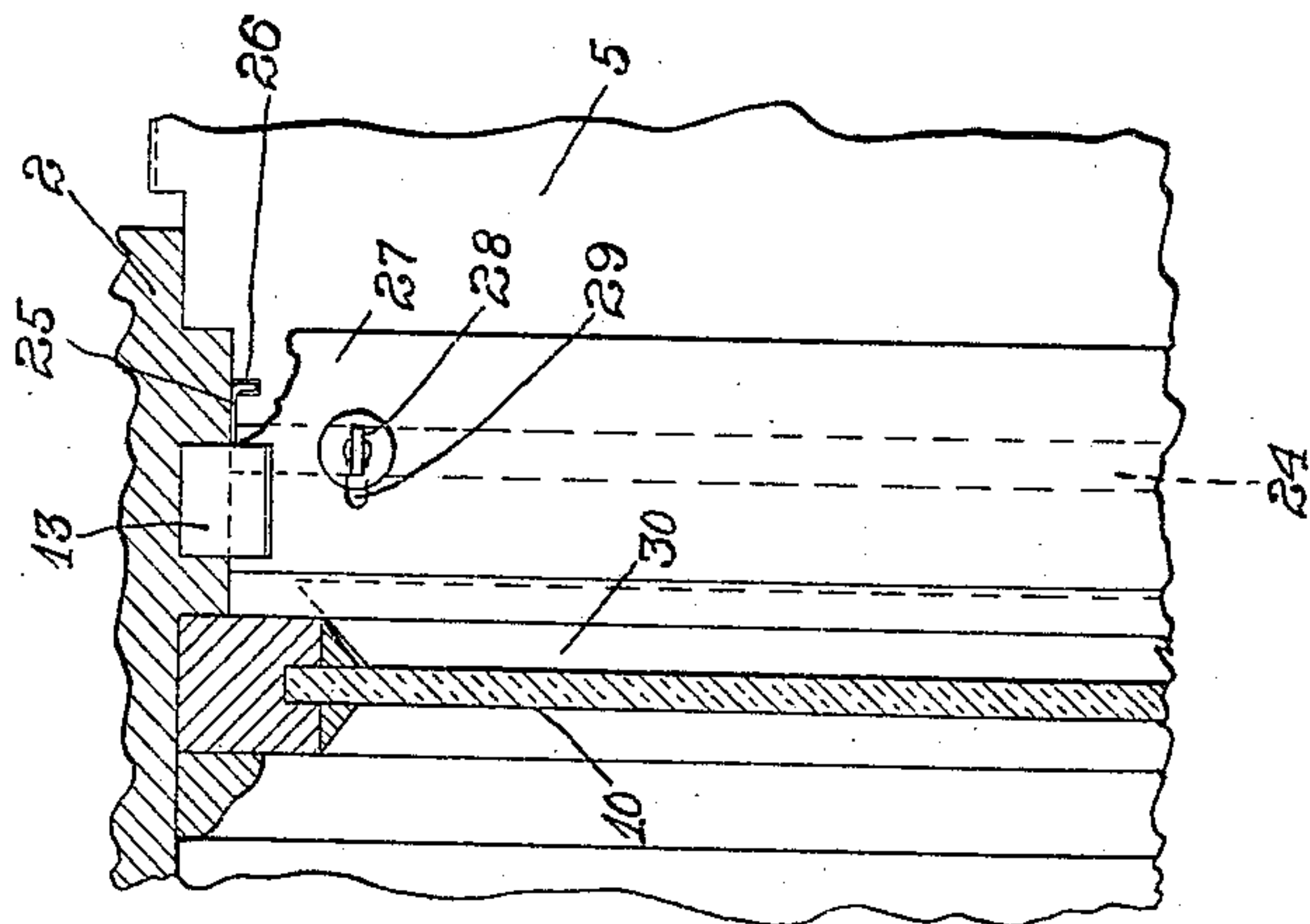
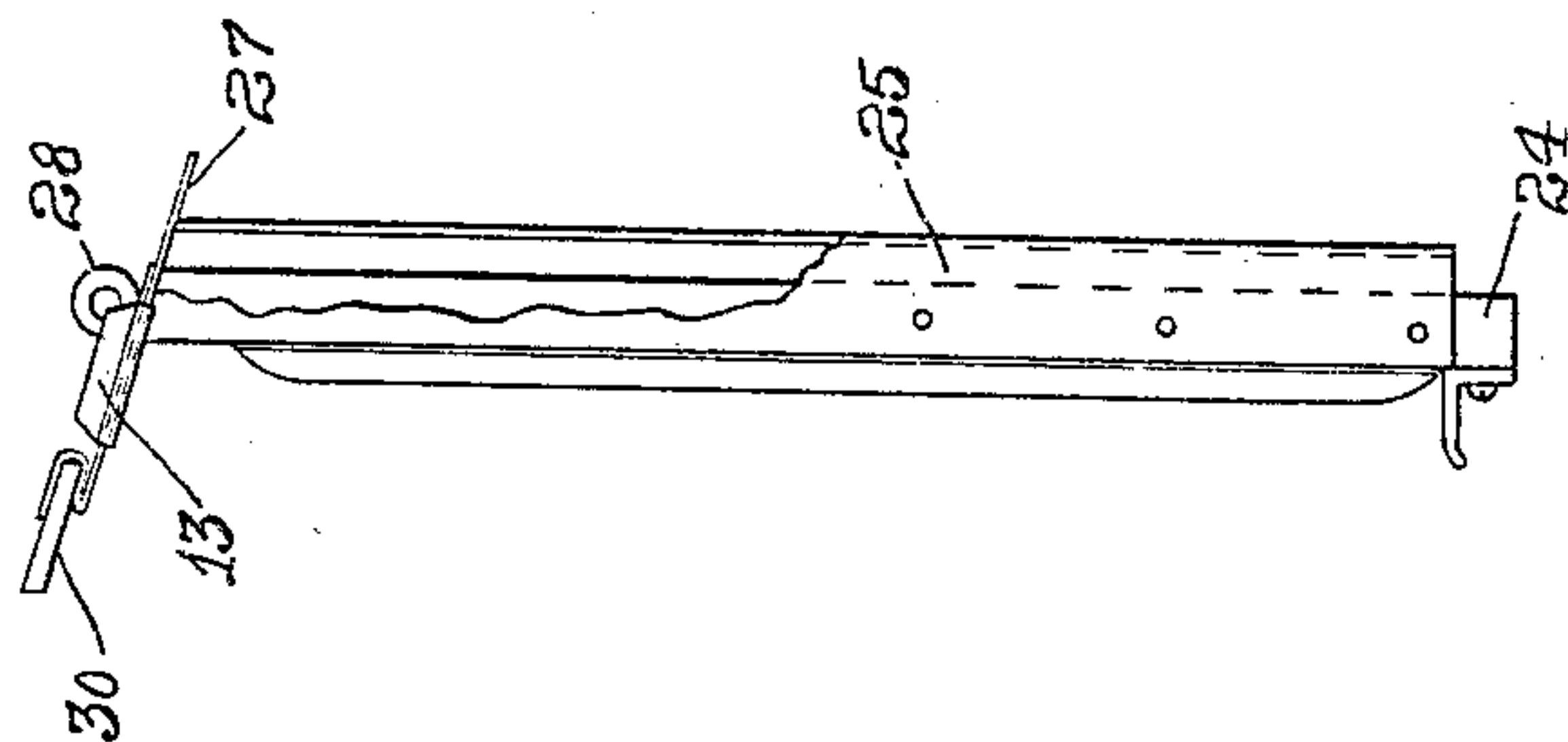


Fig. 5.



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UNITED STATES PATENT OFFICE.

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WINDOW COOLING-BOX.

946,474.

Specification of Letters Patent.

Patented Jan. 11, 1910.

Application filed May 13, 1909. Serial No. 495,681.

To all whom it may concern:

Be it known that I, ANDES A. SVENSEN, a citizen of the United States, residing at Evanston, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Window Cooling-Boxes, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to an improved form of window cooling box in which the construction affords a better connection with the window frame than has been secured heretofore with devices of this nature and further my improved construction provides a means for regulating the ventilation of the box more effectively than has been secured heretofore.

An important feature of my invention is the means employed by which the opening between the top of the box and the sash may be closed or not as desired. When this opening is not closed the arrangement is such as to permit the use of a screen in such opening to protect the window when it is desired to leave the sash open. When the closure for this opening is in place, means are provided for engaging the grooves in the window frame designed to receive the upper sash.

The several drawings illustrating my invention are as follows:

Figure 1 is a vertical cross sectional view taken through the box and the sash with which it coöperates, such box being in operative position in the window frame. Fig. 2 is a top view of the box shown in Fig. 1 and in this view the coöperative window frame and sash are shown in horizontal sectional view taken just above the top of the box. Fig. 3 shows in a view similar to Fig. 1 a modified form of construction for use in connection with a screen used to close the rear side of the box. Fig. 4 shows in a view similar to Fig. 2 a top view of the parts shown in Fig. 3. Fig. 5 is an edge view of the screen shown in Fig. 3 and shows the means employed to secure the screen to the window box and guide such screen as it is raised or lowered.

Similar numerals refer to similar parts throughout the several views.

As shown in Figs. 1 and 2, the box consists of two similar end pieces 1 adapted to

be screwed from the inside of the box to the window casing 2. The box is provided with a bottom piece 3, a front wall 4, and an outwardly sloping top 5. The top 5 has secured thereto by bolts 6 hinges 7 to which is secured a member 9, which member 9 is of a sufficient width to nearly fill the opening between the rear edge of the top 5 and the glass 10 of the lower sash 11 of the window. The member 9 has secured to its rear edge a strip of soft resilient material 12 adapted to press against the outer surface of the glass 10 to permit the sash 11 to be raised or lowered as desired without leaving an opening between the glass 10 and the top of the box. The member 9 is provided with slidable pieces 13 which, when the member 9 is in the position shown in Fig. 1, are pushed outward to engage the grooves 14 formed in the frame 2 to accommodate the upper sash. The pieces 13 are U-shaped and so conformed as to engage upon opposite sides the member 9, the spring of the pieces 13 serving to retain them in any position to which they may be moved. These pieces 13 have up-turned flanges formed upon them, as indicated in Figs. 1 and 2, to facilitate engaging them and moving them as desired upon the member 9.

An opening 15 is formed in the front wall 4 of the box to permit air to enter and this opening is covered by a screen 16. Disposed outside of the opening 15 and separated a short distance from the wall 4 is a shutter support 17 on which a plurality of shutters 18 are pivoted. These shutters extend horizontally and when closed are adapted to prevent air entering the box except through the comparatively small opening 19 between the shutter frame 17 and the front wall 4 of the box. The shutters 18 are connected together by a bar 20 which has secured thereto a rearwardly extending arm 21, as a result of which motion of the arm 21 upward closes the shutters 18 while motion of such arm downward serves to open such shutters. The shutters 18 serve to prevent the wind blowing directly into the box which is a thing to be desired in stormy weather and it is to be noted that much more effective protection is secured by the use of a plurality of shutters than would be possible were but a single shutter employed, since when these shutters are turned at an angle of say 45 degrees, which is quite sufficient for protection from

an ordinary storm, it is nearly or quite impossible for rain or snow to be driven into the box past such shutters while at the same time the effective opening through the shutter frame 17 is not materially reduced in cross section. If a single shutter were used to accomplish this same purpose and were disposed at an angle of 45 degrees, it is to be noted that the opening would not be effectively closed and that the cross sectional area of the opening would be decreased as much as with the plurality of shutters 18. The window may be provided with a number of shelves 22 conveniently disposed to hold the articles it is desired to keep in such box.

By sliding the pieces 13 in upon the member 9 this member may be turned upon the hinges 7 over onto the top of the box 5 and a screen of ordinary construction may be fitted in the grooves 14. The hinges 7 have formed therein slots 23 to engage the bolts 6 as a result of which the member 9 may be adjusted to a position such that the sealing strip 12 makes proper contact with the outer surface of the glass 10. This arrangement also compensates for wear upon the strip 12 after considerable use of the window box.

If desired, the member 9 may be entirely removed from the box by removing the bolts 6 and a special screen 24, shown in Figs. 3, 4, and 5, may be slidably mounted upon the rear of the window box. The screen 24, as shown in Figs. 4 and 5, has L-shaped guiding members 25 secured upon its ends which members are adapted to engage grooves 26 formed vertically in the rear portions of the side walls of the window box. The top of the screen 24 may be provided with a member 27 adjustably secured to the screen by screws 28 through slots 29 to close the opening between the rear edge of the screen 24 and the lower sash of the window. The member 27 carries at its rear edge a strip 30 of resilient material adapted to engage the outer surface of the glass 10 of the sash 11.

While I have shown my invention in the particular embodiments herein described, I do not, however, limit myself to this exact construction but desire to claim any equivalent that will suggest itself to those skilled in the art.

What I claim is:

1. In a window cooling box, the combination of a box adapted to be secured to a window casing, such box having a ventilating opening in one of its sides, a plurality of shutters adapted together to close such opening, a screen between the shutters and the inside of the box for protecting such opening, and a common means extending from the shutters into the box for operating such shutters.

2. In a window cooling box, the combination of a box adapted to be secured to a window casing, such box having a ventilat-

ing opening in one of its sides, and a removable closure between the top of such box and the window to permit the use of a screen in the window, as desired.

3. In a window cooling box, the combination of a box adapted to be secured to a window casing, such box having a ventilating opening in one of its sides, and a removable closure between the top of such box and the window to permit the use of a screen in the window, such screen adapted to form one side of such box.

4. In a window cooling box, the combination of a box adapted to be secured to a window casing, such box having a ventilating opening in one of its sides, a removable closure between the top of such box and the window, and pieces carried by such closure for closing sash grooves in the window frames.

5. In a window cooling box, the combination of a box adapted to be secured to a window casing, such box having a ventilating opening in one of its sides, and a removable closure between the top of such box and the window to permit the use of a screen in the window, as desired, such closure adjustably secured to the top of the box to permit the proper engagement of the rear edge of the closure with the outer surface of the glass of the window sash.

6. In a window cooling box, the combination of a box adapted to be secured to a window casing, such box having an outwardly sloping top, and a closure hinged to such top for closing the opening between the top of the box and the window sash.

7. In a window cooling box, the combination of a box adapted to be secured to a window casing, such box having an outwardly sloping top, and a closure hinged to such top for closing the opening between the top of the box and the window sash, such closure adapted to be turned outward upon such top to provide a clearance for a screen for the window.

8. In a window cooling box, the combination of a box adapted to be secured to a window casing, such box having an outwardly sloping top, a closure hinged to such top for closing the opening between the top of the box and the window sash, such closure adapted to be turned outward upon such top to provide a clearance for a screen for the window, and slidable members carried by such closure for closing the sash grooves in the window frame.

9. In a window cooling box, the combination of a box adapted to be secured to a window casing, a screen slidably secured to the box to close the same at the rear and a closure carried by the upper portion of such screen for closing the space between the screen and the outer surface of the window sash.

10. In a window cooling box, the combination of a box adapted to be secured to a window casing, a screen slidably secured to the box to close the same at the rear and
5 a closure carried by the upper portion of such screen for closing the space between the screen and the outer surface of the window sash, such closure being provided at its rear edge with resilient sealing means

for engaging the outer surface of the glass 10 of the sash.

In witness whereof, I hereunto subscribe my name this 11th day of May, 1909.

ANDES A. SVENSEN.

Witnesses:

ALBERT C. BELL,

ALBERT G. McCALEB.