Dec. 9, 1930. F. HIMMEL ET AL 1,784,689

STORE FRONT CONSTRUCTION

Filed Jan. 2, 1930 2 Sheets-Sheet 1

Fig. 1.

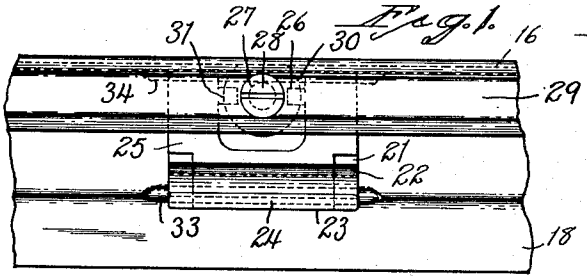


Fig. 2.

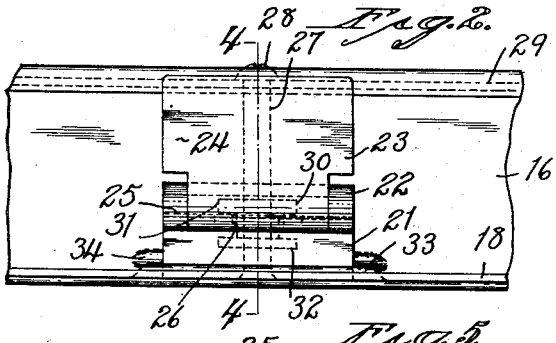


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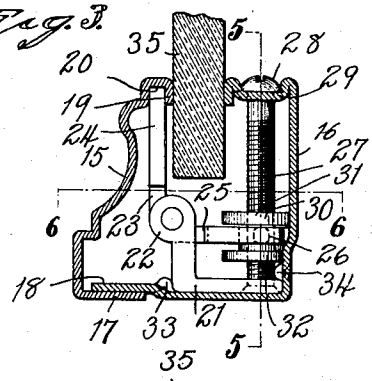


Fig. 4.

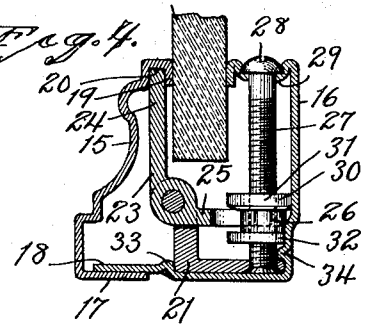


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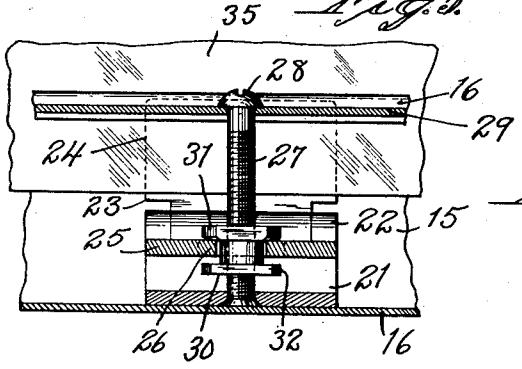


Fig. 6.

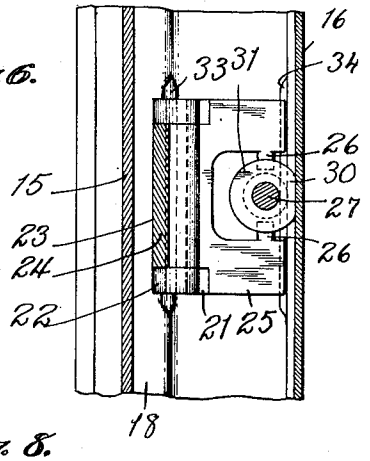


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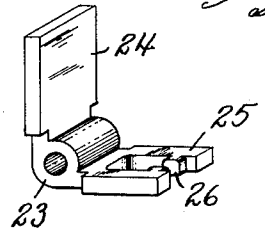
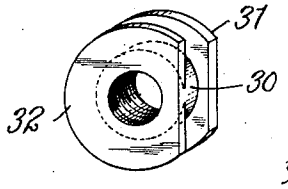


Fig. 8.



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Dec. 9, 1930. F. HIMMEL ET AL 1,784,689

STORE FRONT CONSTRUCTION

Filed Jan. 2, 1930 2 Sheets-Sheet 2

Fig. 9.

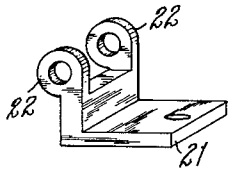


Fig. 10.

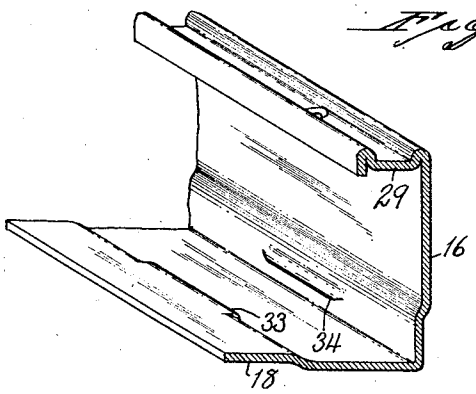


Fig. 11.

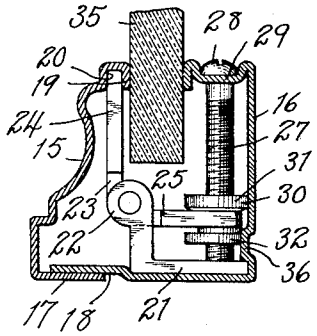


Fig. 12.

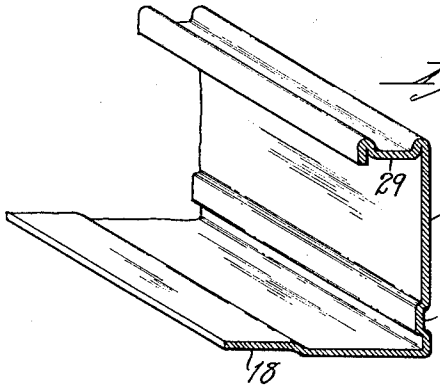


Fig. 13.

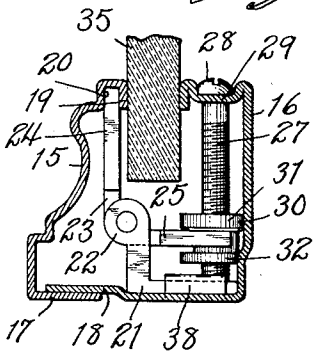
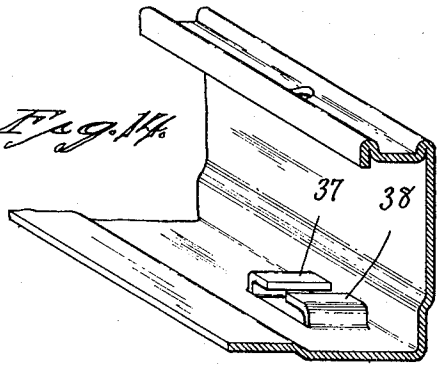


Fig. 14.



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UNITED STATES PATENT OFFICE

FRED HIMMEL AND ISIDORE HIMMEL, OF NEW HAVEN, CONNECTICUT, ASSIGNORS TO THE HIMMEL BROTHERS COMPANY, OF NEW HAVEN, CONNECTICUT, A CORPORATION

STORE-FRONT CONSTRUCTION

Application filed January 2, 1930. Serial No. 417,865.

This invention relates to improvement in store-front construction, that is, strips of metal between which a sheet of glass is clamped for connecting the inner and outer strips, the object being to provide means readily accessible and effective in operation, and the invention consists in the construction as hereinafter described and particularly recited in the claims.

In the accompanying drawings:

Fig. 1 is a plan view of a store-front construction illustrating our invention;

Fig. 2 is a front view of the same;

Fig. 3 is an end view thereof;

Fig. 4 is a sectional view on the line 4—4 of Fig. 2;

Fig. 5 is a sectional view on the line 5—5 of Fig. 3;

Fig. 6 is a sectional view on the line 6—6 of Fig. 3;

Fig. 7 is a perspective view of the clamping-member detached;

Fig. 8 is a perspective view of the nut detached;

Fig. 9 is a perspective view of the anchoring-plate detached;

Fig. 10 is a perspective view of the inner strip, showing the rib with which the anchoring-plate engages;

Fig. 11 is an end view illustrating a slight modification in the form of the inner strip;

Fig. 12 is a perspective view illustrating the modified form of inner strip detached;

Fig. 13 is an end view illustrating a further modification in means for holding the anchoring-plate; and

Fig. 14 is a perspective view of the inner strip, showing this means of holding the anchoring-plate.

In carrying out our invention, we employ an outer strip 15 and an inner strip 16, the design of which may vary to a considerable extent it being desirable, however, that the edge 17 of the outer strip passes under the adjacent edge 18 of the inner strip, which edge is offset corresponding to the thickness of the metal from which the strips are formed, and the outer strip is formed at its opposite edge with an inturned bend 19 forming a pocket 20.

Arranged at intervals on the base of the inner strip are anchoring-plates 21 formed with upwardly-projecting knuckles 22 between which a clamping-member 23 is pivoted, this clamping member having an upwardly-extending arm 24 which is adapted to enter the pocket 20 and, at right angles thereto, a yoke 25, the inner edges of which are provided with studs 26 for the purpose as will hereinafter appear.

Swiveled to the anchoring-plate 21 is a screw 27, the head 28 of which rests on the upper edge 29 of the inner member, and on this screw is a nut 30 formed with flanges 31 and 32 between which the studs 26 extend so that when the nut is raised or lowered, the clamping-member will be rocked upon its pivot. To prevent the nut from turning, the flanges 31 and 32 are flattened on one side to engage with the inner wall of the inner member.

To locate the anchoring-plate, the inner member may be formed with an inwardly-extending rib 33 in the base of the inner member and with a corresponding rib 34 in the wall of the inner member, beneath which rib the edge of the anchoring-plate extends.

The two strips are arranged in the usual manner on opposite sides of a sheet 35 of glass and when the screw 27 is turned in one direction, the nut 30 will move downward and rock the clamping-member, forcing the arm 24 toward the glass and hence drawing the inner and outer strips together so as to clamp the sheet of glass between them.

If desired, instead of forming the narrow rib 34 above referred to, a wide rib 36 may be formed in the wall of the inner member, as shown in Figs. 11 and 12 of the drawings, and instead of forming the rib 33, the offset in the base of the inner member will be sufficient to hold the anchoring-plate in position or, if desired, and as shown in Figs. 13 and 14 of the drawings, the base of the inner member may be formed with fingers 37 and 38 struck up from the base and beneath which the anchoring-plate 21 may extend so as to be firmly held in position. In either case, the means for clamping the two strips together are of hinge type, the move-

ment of which is conveniently accomplished by the adjustment of the screws 27.

We claim:

1. A store-front construction, comprising inner and outer members, the outer member formed with a pocket, an anchoring-plate seated in the inner member and formed with knuckles, a clamping-member pivotally connected with said knuckles, said clamping-member formed with an arm extending into engagement with a pocket in the outer member and with a yoke at substantially right angles thereto, a screw swiveled in the said anchoring-plate and projecting beyond the wall of the inner member, and a nut on said screw with which the said yoke is engaged.

2. A store-front construction, comprising inner and outer members, the outer member formed with a pocket, an anchoring-plate seated in the inner member and formed with knuckles, a clamping-member pivotally connected with said knuckles, said clamping-member formed with an arm extending into engagement with a pocket in the outer member and with a yoke at substantially right angles thereto, a screw swiveled in the said anchoring-plate and projecting beyond the wall of the inner member, and a nut on said screw, the said nut provided with flanges between which the yoke extends.

3. A store-front construction, comprising inner and outer members, the outer member formed with a pocket, the base of the outer member extending beneath the base of the inner member, an anchoring-plate resting on the base of the inner member and formed with knuckles, means for interlocking said plate with said member, clamping-means pivotally connected with said knuckles and formed with an arm extending into said pocket and with a yoke at right angles to said arm, a screw swiveled in said anchoring-plate and extending outward therefrom, and a nut on said screw with which said yoke engages.

In testimony whereof, we have signed this specification.

FRED HIMMEL.
ISIDORE HIMMEL.