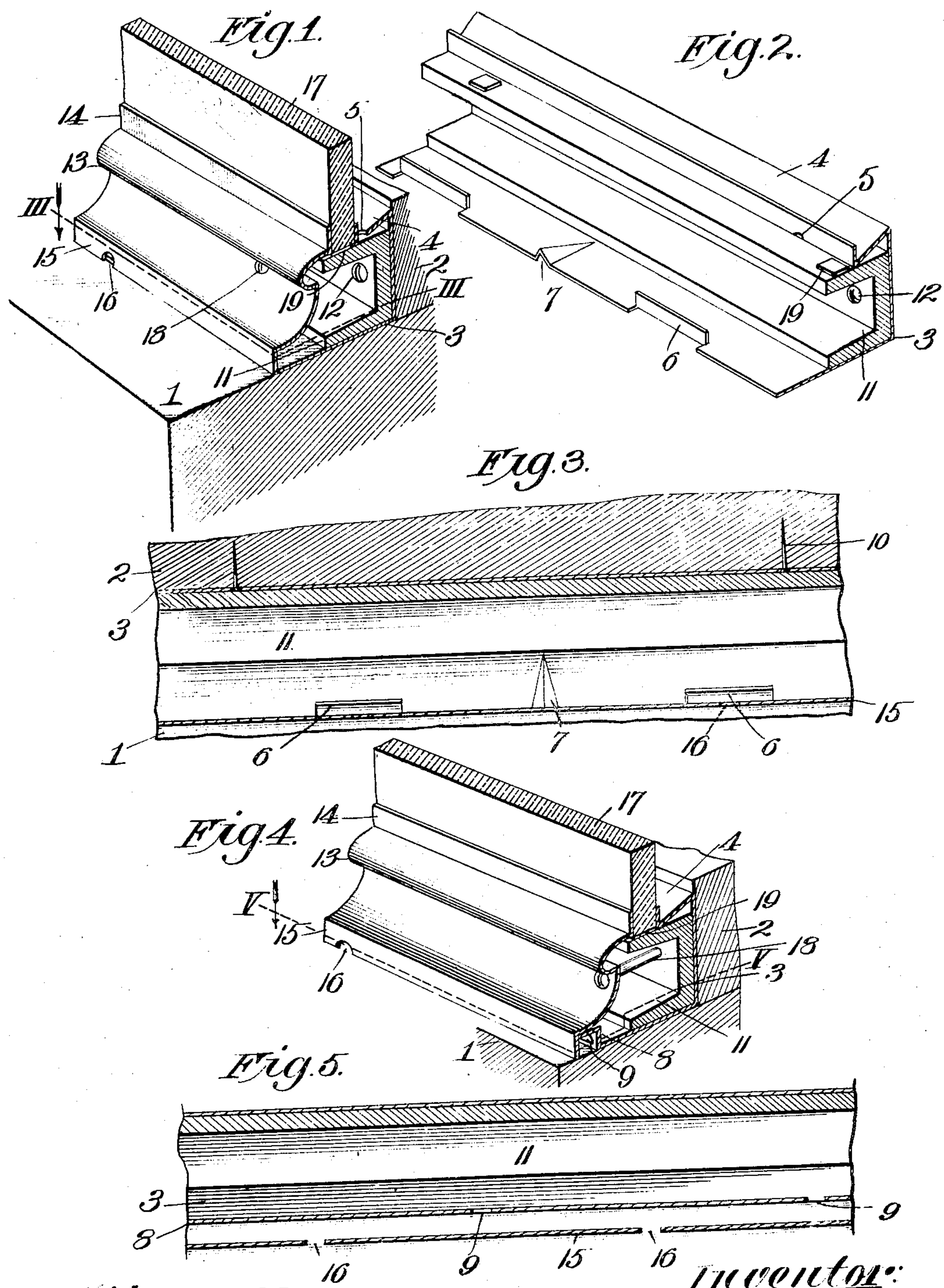


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PATENTED FEB. 25, 1908.

F. J. PLYM.  
STORE FRONT CONSTRUCTION.  
APPLICATION FILED JUNE 8, 1907.



Witnesses:  
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H. C. Rodgers.

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By *George S. Thorpe* Atty.



# UNITED STATES PATENT OFFICE.

FRANCIS J. PLYM, OF NILES, MICHIGAN.

## STORE-FRONT CONSTRUCTION.

No. 879,898.

Specification of Letters Patent.

Patented Feb. 25, 1908.

Application filed June 8, 1907. Serial No. 377,987.

*To all whom it may concern:*

Be it known that I, FRANCIS J. PLYM, a citizen of the United States, residing at Niles, in the county of Berrien and State of Michigan, have invented certain new and useful Improvements in Store-Front Construction, of which the following is a specification.

This invention relates to store front constructions, and is designed more especially as an improvement on the similarly entitled invention covered by Patent #852450, issued to me May 7, 1907, and my object is to produce a more substantial construction and one in which the parts can be more expeditiously and conveniently assembled, and which will possess, if anything, better drainage and dust excluding facilities than the patented structure referred to.

With this object in view, the invention consists in certain novel and peculiar features of construction and organization as hereinafter described and claimed; and in order that it may be fully understood reference is to be had to the accompanying drawing, in which—

Figure 1, is a sectional perspective view of a store front construction embodying my invention. Fig. 2, is a similar view of parts of said construction as arranged in operative relation. Fig. 3, is a horizontal section taken on the line III—III of Fig. 1. Fig. 4, is a sectional perspective view of a slightly modified construction. Fig. 5, is a horizontal section taken on the line V—V of Fig. 4.

In the said drawings where like reference characters identify corresponding parts 1 indicates the sill of a window casing or show case frame, and 2 the floor of the same. 3 indicates a preferably spring-metal angle plate, such as brass, to fit against said sill and the outer edge of said floor, and 4 is a substantially V-shaped gutter at the upper end and outer side of and preferably formed integral with the floor-engaging portion of the angle plate, said gutter being provided with a series of drain holes 5. From the outer edge of the sill-engaging portion of said angle plate a series of tongues 6 are struck up at suitable intervals and between said tongues 6, portions 7 are struck up for a purpose which hereinafter appears.

In the construction shown in Figs. 4 and 5, the outer edge of the sill-engaging portion

of angle plate 3 is formed with the upwardly projecting right-angle flange 8, the vertical portion of said flange being provided with drain holes 9 which correspond in function to the spaces between the tongues 6 and projections 7 of the construction shown in Figs. 1 to 3 inclusive.

10 are tacks or equivalent devices by which the angle plate 3 is secured in position and 11 indicates one or more U-shaped or channel brackets fitting upon and against the angle plate, the upper arm of such channel bracket or brackets underlying the gutter and projecting outwardly beyond the same, the said bracket or brackets being secured rigidly and reliably in place by screws 12, which extend through it and the angle plate and into the floor 2 in an obvious manner.

13 indicates a face plate or molding piece of copper or equivalent metal, substantially S-shape in cross section, the upper loop of the S extending over the upper arm of the channel bracket or brackets and terminating in an upwardly projecting flange 14 paralleling the outer wall of the gutter.

15 indicates a flange depending vertically from the lower edge of the face plate or molding and engaging the sill at the outer edge of the sill-engaging portion of angle plate 3, it being understood by reference to Fig. 3 that said flange cannot be slipped over or upon said angle plate because of the upwardly projecting parts 7 of the latter, when said face plate or molding is clamped in position as hereinafter explained.

Flange 15 is provided with drain holes 16 in its lower edge opposite tongues 6 and staggered with relation to the drain holes 9 of the angular portion 8 of the construction shown in Figs. 4 and 5 so that an obstruction will be presented to the entrance of dust and thus compel the latter in obtaining access to the space inward of the tongues 6 or angular flange 8 to follow a tortuous course.

17 indicates the glass or window pane fitting between the outer portion of the gutter and the flange 14 of the face plate or molding and 18 are long screws which extend through the face plate or molding, the channel bracket and brackets and the angle plate 3 into the floor 2 in an obvious manner, for the purpose of clamping the face plate or molding firmly against the glass plate or



window pane and the outer edge of the angle plate 3, it being noticed in this connection that the channel bracket is provided with lead or equivalent lugs 19, to elevate the glass or window pane slightly above the bracket 6 for the purpose of not only obtaining a more reliable setting for the glass but also to permit water produced by condensation on the face of the glass or which will run down the same when washed, to flow outward under the glass and drop down upon the angle plate 3, eventually escaping through the drain holes 16, it being unnecessary in view of the prior patent above referred to, to go more into detail regarding the special advantages of the structure.

From the above description it will be apparent that I have produced a store front construction possessing the features of advantage enumerated and I wish it to be understood that I do not desire to be restricted to the exact details of construction shown and described as obvious modifications will suggest themselves to one skilled in the art, and it will be understood that the "setting" shown and described as used at the bottom of the glass or pane may extend completely around the same.

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

1. In a construction of the character described, the combination of an angle plate having a perforated gutter at its upper end and an upwardly projecting portion near its outer edge past which water may travel, a bracket secured upon the angle plate and having an arm underlying and projecting outward beyond the gutter, and a face plate or molding fitting at its lower end against the outer edge of the angle plate and having its upper edge overhanging said arm of the bracket and provided with an upwardly projecting flange substantially paralleling the gutter, the said face plate or molding having holes in its lower edge; and means to force the face plate inwardly toward the bracket and against the outer edge of the angle plate.

2. In a construction of the character described, the combination of an angle plate having a perforated gutter at its upper end and an upwardly projecting portion near its outer edge past which water may travel, a bracket secured upon the angle plate and having an arm underlying and projecting outward beyond the gutter, a face plate or molding fitting at its lower end against the outer edge of the angle plate and having its upper edge overhanging said arm of the bracket and provided with an upwardly projecting flange substantially paralleling the gutter, the said face plate or molding having holes in its lower edge; means to force the face plate inwardly toward the bracket and against the outer edge of the angle plate, and a trans-

parent plate or window pane resting upon said arm of the bracket and clamped between the gutter and the flange of the face plate.

3. In a construction of the character described, the combination of a window sill, a floor, an angle plate fitting upon said sill and against the outer edge of said floor and provided at the upper end of its floor-engaging arm with a perforated gutter and at the outer edge of its sill-engaging arm with parts projecting upward and spaced apart, a channel bracket underlying the gutter and fitting upon the sill-engaging and against the floor-engaging arms of the angle plate and projecting outwardly beyond the gutter, a transparent plate or pane supported by the bracket outward of the gutter, a face plate or molding resting at its lower edge upon the sill and provided with holes at such edge and engaging the outer edge of said sill-engaging arm and having its upper edge overlying the bracket and equipped with a flange engaging the outer face of the transparent plate or pane, means for securing the bracket and angle plate in position, and means for clamping the face plate or molding against said plate or pane and the outer edge of the sill-engaging arm of the angle plate.

4. In a construction of the character described, the combination of a window sill, a floor, an angle plate fitting upon said sill and against the outer edge of said floor and provided at the upper end of its floor-engaging arm with a perforated gutter and at the outer edge of its sill-engaging arm with an upwardly projecting angle portion, a channel bracket underlying the gutter and fitting upon the sill-engaging arm and against the floor-engaging arm of the angle plate and projecting outwardly beyond the gutter, a transparent plate or pane supported by the bracket outward of the gutter, a face plate or molding resting at its lower edge upon the sill and provided with holes at such edge and engaging the outer edge of said sill-engaging arm and having its upper edge overlying the bracket and equipped with a flange engaging the outer face of the transparent plate or pane, means for securing the bracket and angle plate in position, and means for clamping the face plate or molding against said plate or pane and the outer edge of the sill-engaging arm of the angle plate.

5. In a construction of the character described, the combination with a window casing, of an angle plate fitting therein and provided at one edge with a resilient gutter, a bracket secured to the angle plate and having an arm projecting outward beyond the gutter, a transparent plate or pane fitting in the window casing with its edge against the said arm of the bracket and its inner face in engagement with the resilient gutter, and a face plate or molding fitting at its outer edge against the corresponding edge of the angle



plate and having its inner edge projecting  
beyond and rearward of the arm of said  
bracket, and provided at such edge with a  
flange substantially paralleling the gutter  
5 and engaging the outer face of the plate or  
pane, the said face plate or molding having  
holes in the edge engaging the angle plate;  
and means to force the face plate or mold-

ing toward the bracket and against the  
outer edge of the angle plate.

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

FRANCIS J. PLYM.

Witnesses:

H. W. NEWTON,  
CHAS. E. WHITE.