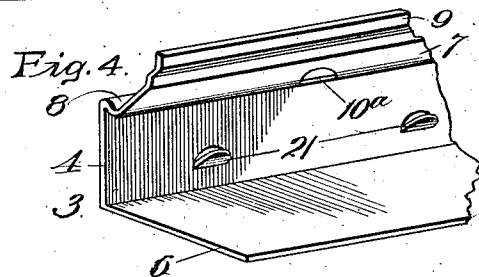
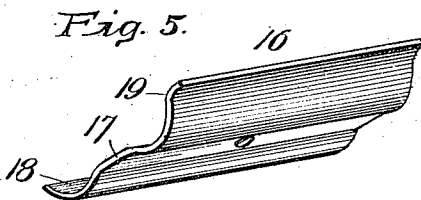
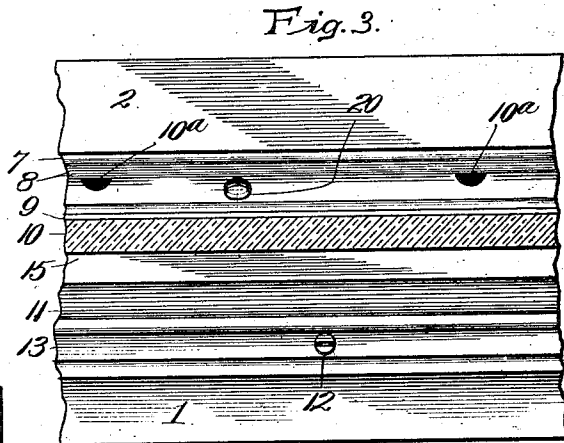
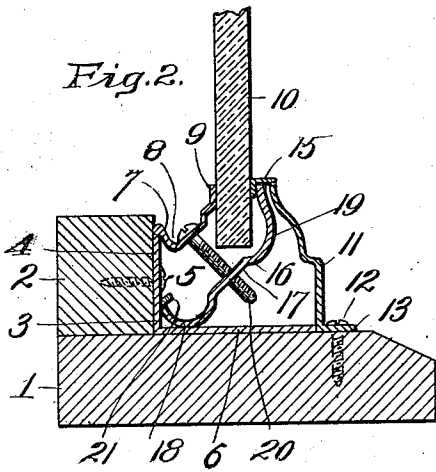
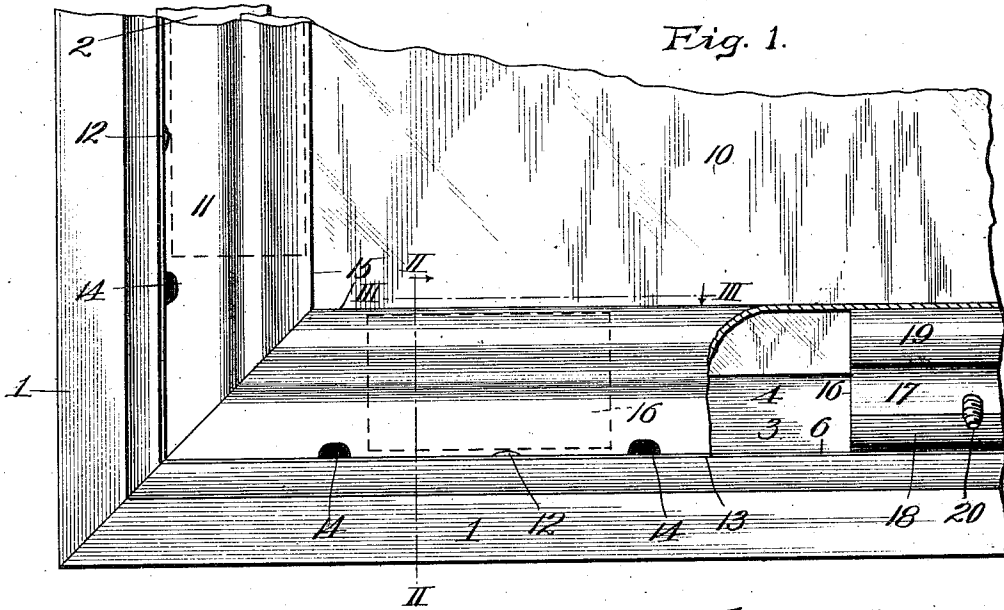


E. S. RHOADS.
STORE FRONT CONSTRUCTION.
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946,734.

Patented Jan. 18, 1910.



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UNITED STATES PATENT OFFICE.

ERRETT S. RHOADS, OF KANSAS CITY, MISSOURI.

STORE-FRONT CONSTRUCTION.

946,734.

Specification of Letters Patent.

Patented Jan. 18, 1910.

Application filed August 30, 1909. Serial No. 515,190.

To all whom it may concern:

Be it known that I, ERRETT S. RHOADS, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Store-Front Construction, of which the following is a specification.

This invention relates to store front construction and more especially to settings for large plate glass windows in which provision is made for the circulation of air into and out of the building around the glass and for the drainage of water produced by condensation on the inner face of the glass or that employed in washing the inner side of the same, my object being to produce a store front construction which will efficiently and reliably maintain the glass in the proper position and which embodies the desirable features of simplicity, strength, durability and cheapness of construction, a further object being to produce a setting composed of parts which can be easily secured in or removed from operative position by unskilled labor.

With these objects 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 drawings, in which:

Figure 1, is a front view of one of the lower corners of a store front construction embodying my invention, the front member of the setting being broken away to expose one of the braces. Fig. 2, is a section on the line II—II of Fig. 1. Fig. 3, is a section on the line III—III of Fig. 1. Fig. 4, is a detail perspective view of the rear member of the setting. Fig. 5, is a detail perspective view of one of the braces.

In the said drawings, 1 indicates the casing or window frame and 2 strips secured to said frame, the bottom strip in practice, forming the bottom of the window, if the latter is of the bay-window type, as most common in store fronts.

As all four sides of the setting are identical only one side is hereinafter referred to.

3 indicates the rear member of the setting, the same comprising a body portion 4 secured by screws 5 or otherwise to the front face of the strip 2, an arm 6 projecting for-

wardly from the body portion and fitting flatly against the inner face of the casing, and a channeled arm 7 extending forwardly from the body portion and divergingly with respect to arm 6, the channel 8 of the arm 7 constituting a gutter for a purpose which hereinafter appears. The arm 7 is crimped or corrugated longitudinally to stiffen it and terminates at its free edge in a flange 9 to fit flatly against the inner face of the window glass 10, and is provided with holes 10^a at the bottom of the channel.

11 indicates the front member of the setting, the same being secured by screws 12 or equivalent fastening devices to the inner face of the casing and against the front edge of the arm 6 of the rear member 3. To stiffen the front member and for convenience in securing it in place it is provided with a flange 13 through which said securing screws extend into the casing, and adjacent to said flange is formed with openings 14 for ventilation and drainage purposes as hereinafter explained. The front member bears against the front face of the window glass opposite flanges 9 and terminates at such edge in a hook 15 which opens toward the adjacent arm 6.

To brace the members and prevent them from being drawn too tightly against the window glass a suitable number of braces 16 are arranged in inclined position between the front and rear members, said braces each comprising a central portion 17 and channeled arms 18 and 19, the central portion occupying the vertical plane of the window glass and being engaged by a screw bolt 20 extending through the arm 7 of the rear member. The channeled arm 18 bears against the arm 6 and its free edge bears against the body portion 3 and is overlapped by tongues 21 stamped and bent from said body portion. The arm 19 is channeled to avoid interfering with the window glass and at its free edge fits snugly in the hook of the front member. It will be seen that by screwing bolts 20 home the braces are caused to lock the hook edge of the front member in fixed relation to the flange 9 of the rear member, there being enough resiliency in the members to accommodate window glass of varying thickness.

The holes in the arms 7 and the front members 11 permit air to circulate freely into and out of the building and thus tend

to prevent the formation of frost on the glass, it being also understood that water flowing downward on the inner face of the glass, passes into the gutter and thence through holes 10^a onto the arm 6 of the rear member and through the openings 14.

From the above description it will be apparent that I have produced a store front construction embodying the features of advantage enumerated as desirable in the statement of the object of the invention and which is susceptible of modification in minor particulars without departing from the spirit and scope or sacrificing any of the advantages of the appended claims.

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

1. A store front construction, comprising a window casing, a window glass, and a window glass setting embodying a rear member secured to said casing near one edge of the window glass, consisting of a body portion, an arm projecting therefrom and engaging the inner face of said glass and a second arm projecting forward from the body portion and substantially paralleling and spaced from the adjacent edge of the window glass, a front member secured to the casing and engaging the front face of the window glass, an inclined brace between said front and rear members, and means for causing said brace to hold the front member pressed firmly against the glass.

2. A store front construction, comprising a window casing, a window glass, and a window glass setting embodying a rear member secured to said casing near one edge of the window glass, consisting of a body portion, an arm projecting therefrom and engaging the inner face of said glass and a second arm projecting forward from the body portion and substantially paralleling and spaced from the adjacent edge of the window glass, a front member secured to the casing and engaging the front face of the window glass, an inclined brace between said front and rear members, and a fastening device connecting the rear member with said brace to cause the latter to clamp the front member against the face of the window glass.

3. A store front construction, comprising a window casing, a window glass, and a window glass setting embodying a rear member secured to said casing near one edge of the window glass, consisting of a body portion, an arm projecting therefrom and engaging the inner face of said glass and a second arm projecting forward from the body portion and substantially paralleling and spaced from the adjacent edge of the window glass, a front member secured to the casing and engaging the front face of the window glass, an inclined brace interposed between the forwardly-projecting arm of

the rear member and the window glass and bearing at one end against the front member adjacent to the said glass, and means whereby said inclined brace shall clamp the said front member firmly against said glass.

4. A store front construction, comprising a window casing, a window glass, and a window glass setting embodying a rear member secured to said casing, near one edge of the window glass, consisting of a body portion, an arm projecting therefrom and engaging the inner face of the glass and a second arm projecting forward from the body portion and substantially paralleling and spaced from the adjacent edge of the window glass, a front member secured to the casing and engaging the front face of the window glass, and provided with a hook open toward the forwardly-projecting arm of the rear member, and an inclined brace interposed between said last-named arm and the adjacent edge of the window glass and fitting at one edge in the hook of the front member and bearing at its opposite edge against the body portion and forwardly-projecting arm of the rear member.

5. A store front construction, comprising a window casing, a window glass, and a window glass setting embodying a rear member secured to said casing, near one edge of the window glass, consisting of a body portion, an arm projecting therefrom and engaging the inner face of said glass and a second arm projecting forward from the body portion and substantially paralleling and spaced from the adjacent edge of the window glass, a front member secured to the casing and engaging the front face of the window glass, and provided with a hook open toward the forwardly-projecting arm of the rear member, an inclined brace interposed between said last-named arm and the adjacent edge of the window glass and fitting at one edge in the hook of the front member and bearing at its opposite edge against the body portion and forwardly-projecting arm of the rear member, and means connecting the inclined brace and the arm of the rear member which engages the window glass.

6. A store front construction, comprising a window casing, a window glass, and a window glass setting embodying a rear member secured to said casing near one edge of the window glass, consisting of a body portion, an arm projecting therefrom and engaging the inner face of said glass and a second arm projecting forward from the body portion and substantially paralleling and spaced from the adjacent edge of the window glass, a front member secured to the casing and engaging the front face of the window glass and bearing against the front edge of the said forwardly-projecting arm, an inclined brace between said front

and rear members, and means for causing said brace to hold the front member pressed firmly against the glass.

7. A store front construction, comprising
5 a window casing, a window glass setting embodying a rear member secured to said casing near one edge of the window glass, consisting of a body portion, an arm projecting therefrom and engaging the inner
10 face of said glass and a second arm projecting forward from the body portion and substantially paralleling and spaced from the adjacent edge of the window glass, and
tongues projecting forward from the body

portion, a front member secured to the casing and engaging the front face of the window glass, an inclined brace between said front and rear members with one edge overlapped by said tongues, and means connecting the brace and the rear member to cause
20 the former to clamp the front member against the front face of the window glass.

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

ERRETT S. RHOADS.

Witnesses:

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M. A. O'DONNELL.