No. 841,324. PATENTED JAN. 15, 1907.

R. H. JONES.

CORNER POST CONSTRUCTION FOR SHOW WINDOWS.

APPLICATION FILED JUNE 29, 1906.

Fig. 1.

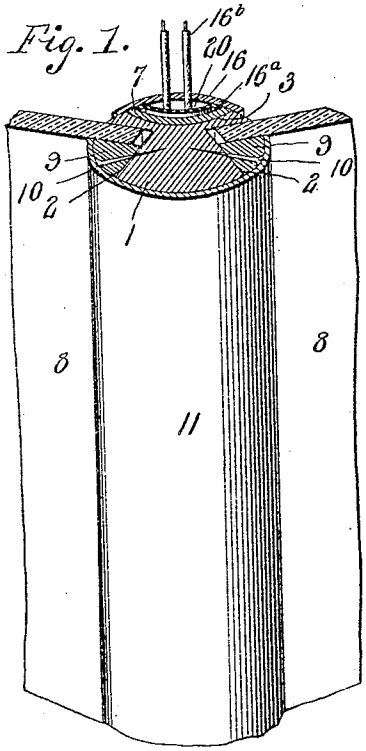


Fig. 4.

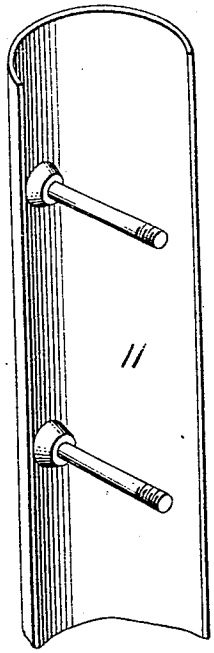


Fig. 3.

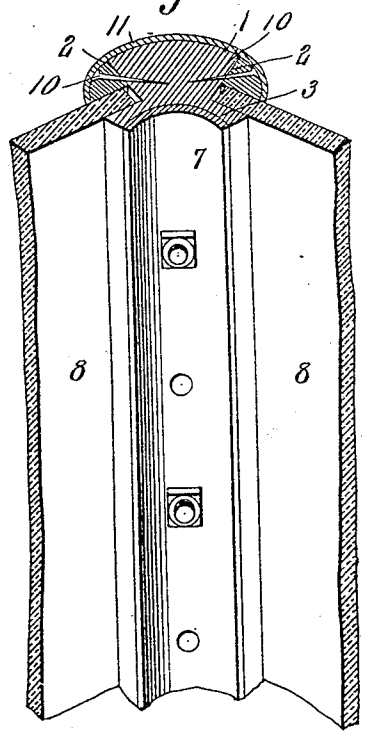


Fig. 2.

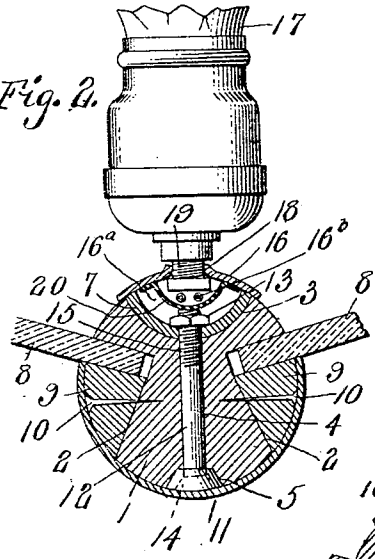


Fig. 5.

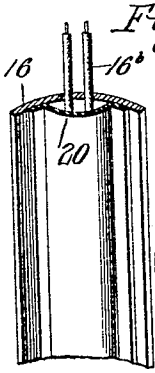


Fig. 6.

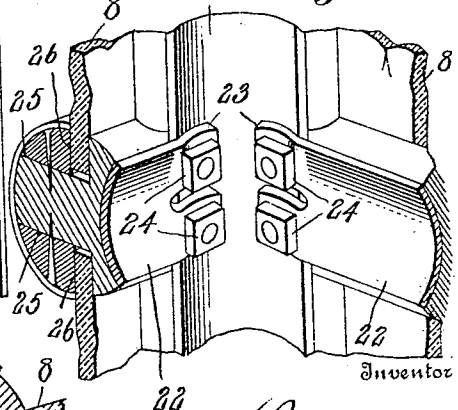
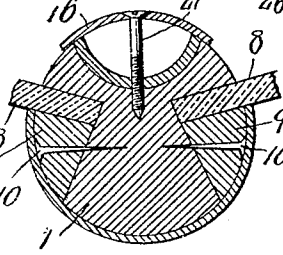


Fig. 7.



Witnesses

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CORNER-POST CONSTRUCTION FOR SHOW-WINDOWS.

No. 841,324. Specification of Letters Patent. Patented Jan. 15, 1907.

Application filed June 29, 1906. Serial No. 324,003.

To all whom it may concern:

Be it known that I, RALPH H. JONES, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Corner-Post Construction for Show-Windows, of which the following is a specification.

This invention relates to corner-posts, transom-bars, or mullions adapted for the support of the glass plates of show or display windows or cases and for other purposes for which it is found applicable.

The invention aims to set up a support of the character referred to with means, as hereinafter set forth, for reinforcing the wooden body portion of the support, thereby increasing the strength and rigidity thereof.

The invention further aims to set up a support of the character referred to in a manner as hereinafter set forth, thereby decreasing the back lines of the support when the same is secured in supporting position.

The invention further aims to set up a support of the class referred to in a manner, as hereinafter set forth, so that the contour of the interior of the support when set up in supporting position will be substantially the same as the contour of the exterior, thereby improving the appearance of the support.

The invention further aims to provide a support of the class referred to with means, as hereinafter set forth, associated with the inner trim or jacket of the support to form a pocket for the leading-in wires of an incandescent-lamp socket carried by the inner trim.

The invention further aims to provide a support of the class referred to with means carried by the outer trim or jacket, which is adapted to extend through the wooden body portion and reinforcing means of the support and carrying clamping elements for rigidly securing the said trim or jacket, body portion, and reinforcing means together.

The invention further aims to provide a corner-post, transom-bar, or mullion for the purpose set forth which shall be simple in construction, strong, durable, efficient in use, readily set up, and comparatively inexpensive to manufacture.

With the foregoing and other objects in view the invention consists of the novel construction, combination, and arrangement of parts hereinafter more specifically described, and illustrated in the accompanying drawings, which form a part of this specification, and wherein is shown the preferred embodiment of the invention; but it is to be understood that changes, variations, and modifications can be resorted to which come within the scope of the claims hereunto appended.

In describing the invention in detail reference is had to the accompanying drawings, wherein like reference characters denote corresponding parts throughout the several views, and in which—

Figure 1 is a perspective view of a section of a corner-post in accordance with this invention, showing portions of the two window-glass plates connected therewith. Fig. 2 is a cross-section of the post. Fig. 3 is a perspective view with the back trim or jacket removed looking at the rear of the post. Fig. 4 is a rear elevation of a section of the front trim or jacket. Fig. 5 is a view of a section of the back trim or jacket, showing the insulation for the leading-in wires; and Fig. 6 is a perspective view looking toward the rear, showing the adaptation of the invention to a division-rail. Fig. 7 is a cross-section of the post to show the fastening devices for the inner trim.

Referring to the drawings by reference characters, 1 denotes the body portion of suitable wood, which is provided on opposing sides with the angular recesses 2, on the inner part with a curved recess 3, and with a plurality of bores 4, which extend from front to rear of the body portion and each of which has a countersunk outer end 5.

In order to strengthen and impart the desired rigidity to the body portion 1, a curved metallic reinforcing member 7 is provided, which is seated in the recess 3 and has the ends thereof flush with the periphery of the body portion 1. The said reinforcing member 7 is secured to the body portion 1 in a manner as hereinafter set forth.

The glass plates, the edges of which are to be joined and which are indicated by the reference character 8, are adapted to have their adjacent edge portions inserted, as shown, in the angular recesses 2 in the body portion, resting against one wall of said recesses and extending in the recesses 2 until they abut against or in close proximity to the shoul-

ders formed by the production of the said recesses 2. The angular space between the glass plates and the other wall of the recesses of the body portion 1 is then filled by substantially quarter-round filling or rabbet strips 9, which form a continuation of the rounded periphery of the body portion 1. The filling-strips 9 are then fixedly secured in position by suitable holdfast devices, preferably in the form of wire nails 10, which extend through the said strips and engage in the body portion 1.

That part of the body portion 1 extending outwardly from the plates 8 is termed the "outer" portion, while the part of the body portion 1 which extends inwardly from the plates 8 is termed the "inner" portion. The outer portion and rabbet-strips 9 are inclosed by a jacket or trim 11 of suitable metallic material, preferably brass, which conforms in shape to the contour of the outer portion of the body 1. The jacket or trim 11, body portion 1, and reinforcing member 7 are secured together through the medium of a plurality of holdfast devices in the form of sectional clamps. One section of the clamps is indicated by the reference character 12, and the other section of each of the clamps is indicated by the reference character 13. Each of the sections 12 consists of a short bolt having a head, as at 14, and a screw-threaded portion 15. The head end of each of the bolts is formed integral with the inner face of the jacket or trim 11, and the said bolts extend through the bores 4, the heads 14 seating in the countersunk ends 5 of the bores. The bolts are of such length as to extend through the reinforcing member 7 and carry upon the screw-threaded portions 15 thereof the sections 13 of the clamps. The sections 13 are in the form of binding-nuts.

The reinforcing member 7, as well as the inner portion of the body 1, is inclosed by an inner trim or jacket 16, substantially curved in cross-section formed of metallic material, preferably brass, which constitutes a continuation of the body portion. The trim or jacket 16 in connection with the reinforcing member 7 forms a pocket 16^a for the leading-in wires 16^b for an incandescent-lamp socket 17, connected to the trim or jacket 16. The latter is provided with a screw-threaded recess or opening 18 to receive an interiorly and exteriorly screw-threaded bushing 19, which forms a means for coupling the socket 17 to the trim or jacket 16. The latter has secured to its inner face a suitable insulating material 20 for the leading-in wires 16^b. Although the trim or jacket 16 is shown as provided with means for coupling a lamp-socket thereto, and, further, with an insulating material, the said coupling means and insulating material can be dispensed with. The trim or jacket 16 is secured to the reinforcing member 7 by the holdfast devices 21 in the form of screws, having the heads thereof countersunk in the trim or jacket 16. The holdfast devices 21 engage the reinforcing member 7. By providing the curved trim or jacket 16 in the manner as set forth the inner portion of the body 1 is inclosed, thereby decreasing the back lines of the post, transom-bar, or mullion, and, further, the appearance of the inner portion of the post, bar or mullion is improved, as the said inner portion is substantially of the same appearance as the outer portion.

The construction of the partition-rail shown in Fig. 6 is the same as the structure shown in Fig. 1, with the exception that each end of the reinforcing member 22 is provided with an angularly-extending projection 23, projecting from the end of the rail and seating against the reinforcing member 7 of the post. The projections 23 are secured to the reinforcing member 7 of the corner-posts by suitable holdfast devices 24. Otherwise than as stated the construction of the partition-rail shown in Fig. 6 is the same as the post shown in Fig. 1, with the exception that the walls 25 of the angular recesses in the body portion 1 extend at right angles with respect to the wall 26 of the said recesses.

Among the important features of the invention is that not only does the reinforcing member 7 stiffen and increase the strength and rigidity of the body portion 1 and prevent warping or distortion, but the outer metallic trim also acts as a means to increase the strength and rigidity of the said body portion 1 owing to the manner in which the trim or jacket is secured in position. The outer trim or jacket also acts as a means for retaining the filling or rabbet strips in position if the holdfast devices therefor should become loosened, as the said trim or jacket is connected with the reinforcing member and not to the body portion 1.

From the foregoing description, taken in connection with the accompanying drawings, it will be readily seen that a corner-post, transom-bar, or mullion is provided which is exceedingly strong and rigid and will therefore withstand the pressure of the heavy glass plates which are ordinarily used in connection therewith, which is dust and water proof, which will not warp and distort, and, furthermore, the construction of the post, bar, or mullion exhibits an improved appearance over the form of such supports now in general use.

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

1. A support of the character described comprising a body portion, an outer trim

therefor, a reinforcing member for said body portion, and means carried by the trim and extending through the body portion and said member for clamping the reinforcing member to the body portion and the body portion to the trim.

2. A support of the character described comprising a body portion, an outer trim therefor, a reinforcing member for said body portion, means carried by the trim and extending through the body portion and, said member for clamping the reinforcing member to the body portion and the body portion to the trim, an inner trim, and means for connecting the inner trim to said reinforcing member.

3. A support of the character described comprising a body portion having a plurality of bores with countersunk outer ends, an outer trim for the body portion, a reinforcing member for said body portion, headed bolts formed integral at one end with the inner face of the trim, extending through said bores and reinforcing member and having the heads thereof seated in the countersunk ends of the bores, and means mounted upon the free end of said bolts for clamping the reinforcing member to said body portion and the said body portion to said trim.

4. A support of the character described comprising a body portion having a plurality of bores with countersunk outer ends, an outer trim for the body portion, a reinforcing member for said body portion, headed bolts formed integral at one end with the inner face of the trim, extending through said bores and reinforcing member and having the heads thereof seated in the countersunk ends of the bores, means mounted upon the free end of said bolts for clamping the reinforcing member to said body portion and the same body portion to said trim, an inner trim, and means for connecting the inner trim to said reinforcing member.

5. A support of the character described comprising a body portion, an outer trim therefor, a reinforcing member for said body portion, means carried by the trim and extending through the body portion and said member for clamping the reinforcing member to the body portion and the body portion to the trim, an inner trim means for connecting the inner trim to said reinforcing member, said inner trim and said member constituting a pocket for leading-in wires, and means carried by the inner trim for coupling a lamp-socket thereto.

6. A support of the character described comprising a body portion having a plurality of bores with countersunk outer ends, an outer trim for the body portion, a reinforcing member for said body portion, headed bolts formed integral at one end with the inner face of the trim, extending through said bores and reinforcing member and having the heads thereof seated in the countersunk ends of the bores, means mounted upon the free end of said bolts for clamping the reinforcing member to said body portion and the said body portion to said trim, an inner trim, means for connecting the inner trim to said reinforcing member, said inner trim and said member constituting a pocket for leading-in wires and means carried by the inner trim for coupling a lamp-socket thereto.

7. A support of the character described comprising a body portion, an outer trim therefor, a reinforcing member for said body portion, means carried by the trim and extending through the body portion and said member for clamping the reinforcing member to the body portion and the body portion to the trim, an inner trim, means for connecting the inner trim to said reinforcing member, said inner trim and said member constituting a pocket for leading-in wires, and means carried by the inner trim for coupling a lamp-socket thereto, and an insulating material secured to the inner face of said inner trim.

8. A support of the character described comprising a body portion having a plurality of bores with countersunk outer ends, an outer trim for the body portion, a reinforcing member for said body portion, headed bolts formed integral at one end with the inner face of the trim, extending through said bores and reinforcing member and having the heads thereof seated in the countersunk ends of the bores, means mounted upon the free end of said bolts for clamping the reinforcing member to said body portion and the said body portion to said trim, an inner trim, means for connecting the inner trim to said reinforcing member, said inner trim and said member constituting a pocket for leading-in wires, and means carried by the inner trim for coupling a lamp-socket thereto, and an insulating material secured to the inner face of said inner trim.

9. A support of the character described comprising a body portion having a plurality of bores and a curved recess in its inner side, said bores having a countersunk outer end, an outer trim for the body portion, a reinforcing member seated in said recess, headed bolts formed integral at one end with the inner face of the trim, extending through said bores and member and having the heads thereof seated in the countersunk ends of the bores, and means mounted upon the free end of said bolts for clamping the member to the body portion and the body portion to said trim.

10. A support of the character described comprising a body portion having a plurality of bores and a curved recess in its inner side, said bores having a countersunk outer end, an outer trim for the body portion, a reinforcing member seated in said recess, headed bolts formed integral at one end with the

inner face of the trim, extending through said bores and member and having the heads thereof seated in the countersunk ends of the bores, means mounted upon the free end of said bolts for clamping the member to the body portion and the body portion to said trim, an inner trim, and means for connecting the inner trim to said reinforcing members.

11. A support of the character described comprising a body portion having a plurality of bores and a curved recess in its inner side, said bores having a countersunk outer end, an outer trim for the body portion, a reinforcing member seated in said recess, headed bolts formed integral at one end with the inner face of the trim, extending through said bores and member and having the heads thereof seated in the countersunk ends of the bores, means mounted upon the free end of said bolts for clamping the member to the body portion and the body portion to said trim, an inner trim, and means for connecting the inner trim to said reinforcing member, said inner trim and said member constituting a pocket for leading-in wires, and means carried by the trim for coupling a lamp-socket thereto.

12. A support of the character described comprising a body portion having a plurality of bores and a curved recess in its inner side, said bores having a countersunk outer end, an outer trim for the body portion, a reinforcing member seated in said recess, headed bolts formed integral at one end with the inner face of the trim, extending through said bores and member and having the heads thereof seated in the countersunk ends of the bores, and means mounted upon the free end of said bolts for clamping the member to the body portion and the body portion to said trim, an inner trim, means for connecting the inner trim to said reinforcing member, said inner trim and said member constituting a pocket for leading-in wires, and means carried by the trim for coupling a lamp-socket thereto, and an insulating material secured to the inner face of said inner trim.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

RALPH H. JONES.

Witnesses:
A. R. ROBISON,
C. F. HAMM.