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O. J. LARSON

1,864,206

PARTITION POST OR PILASTER

Filed Sept. 18, 1929

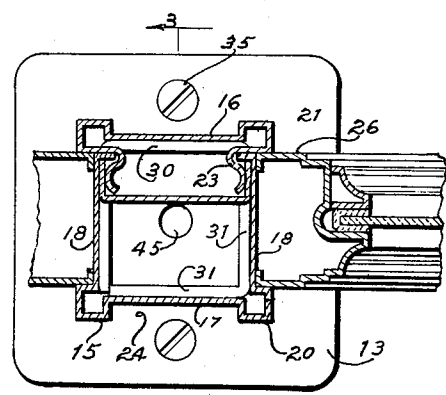
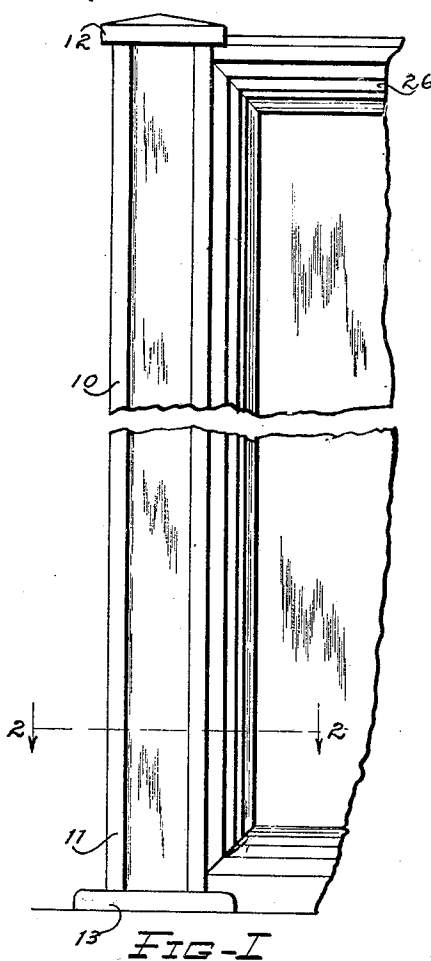


FIG-2

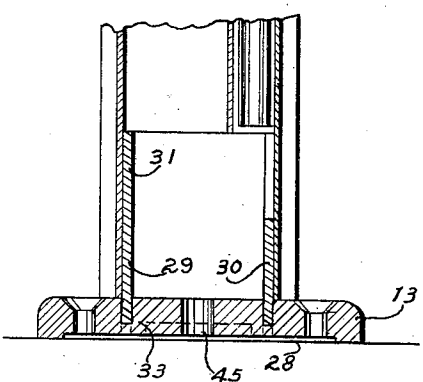


FIG-3

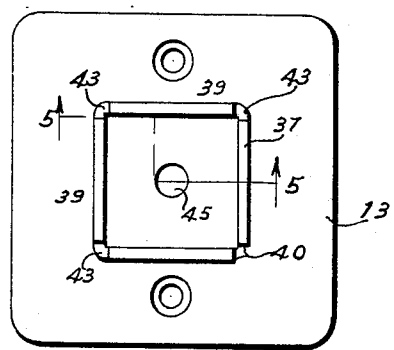


FIG-4

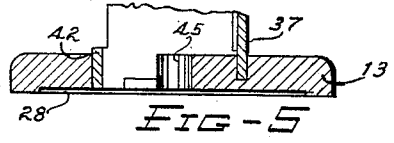


FIG-5

Inventor
Oscar J. Larson

By

Clarence S. Walker
His Attorney

UNITED STATES PATENT OFFICE

OSCAR J. LARSON, OF JAMESTOWN, NEW YORK, ASSIGNOR TO WRIGHT METAL INCORPORATED, OF JAMESTOWN, NEW YORK, A CORPORATION OF NEW YORK

PARTITION POST OR PILASTER

Application filed September 18, 1929. Serial No. 393,474.

This invention relates to an improvement in posts and more particularly to one in which support is provided at one end only.

It has long been found difficult in the manufacture of metal partitions to provide adequate anchoring means for the support of pilasters or posts. Pressure bolts are commonly used in supporting a ceiling height partition but such an expediency cannot be made use of in connection with a seven foot six height or a rail partition. In the two latter instances it is necessary to anchor each post to the floor in a manner such that said posts will not only support the panels lying therebetween but will be of sufficient strength to withstand the strain of closing doors, etc. While it is true that a cast post for use in connection with rail partition might be made use of, such structure would be highly impractical not only from an economical standpoint but because of the fact that a cast article is susceptible to breakage under sudden or sharp strain, whereas, drawn sheet metal is not. In the present invention applicant has produced a post from sheet metal, the base of which, although a cast element, is integrally joined therewith. Through the use of expansion bolts or screws the base is rigidly secured to the floor and since the post is integrally connected with said base, said post is rigid and non-yielding.

The principal object of this invention is, therefore, to provide a post or pilaster which, being anchored at one end only, is rigid and non-yielding.

Another object of this invention is the provision of a post or pilaster having a base or pedestal integral therewith.

A further object of this invention is the provision of a cast base and a post integral therewith.

A still further object of this invention lies in the provision of a post or pilaster and an intermediate member by means of which said post may be brought into perfect alignment with said pedestal.

Other and further objects of this invention will appear from a consideration of the following specification when taken in conjunc-

tion with the accompanying drawing, and in which

Fig. 1 is a front elevation of one modification of this invention;

Fig. 2 is an enlarged horizontal sectional view taken substantially on the line 2—2 of Fig. 1;

Fig. 3 is a vertical sectional view taken substantially on the line 3—3 of Fig. 2;

Fig. 4 is a plan view of a slight modification of the intermediate member which connects the pedestal with the post; and

Fig. 5 is a vertical sectional view taken on the line 5—5 of Figure 4.

Referring to the drawing this invention is general indicated by the reference numeral 10 and comprises a post 11, cap 12 and base 13. The post 11 is formed from a channularly shaped member 15, the open side of said member being closed by a removable face plate 16. At the jointure of the base wall 17 and side walls 18 of the channular member 15, flanged corners 20 are formed. Similar corners 21 terminate the longitudinal edges of the face plate 16. When the members 15 and 16 are joined together by means of a clip structure 23, the post is provided with vertical depressions 24 in each face thereof and in which panel frames 26 may be located.

The base 13 is a cast article, whereas, the post 11 is formed from sheet metal drawn into shape. The base is formed with a slight recess 28 in the under face thereof. A rectangular intermediate member 29, having a short wall 30 forming one side thereof and walls 31 of greater length forming the other three sides, constitutes the supporting or connecting medium between the base 13 and the post 11. The member 29 is formed from heavy gage sheet metal and, although of rectangular formation, the two abutting edges of the walls 31 are not secured together. The lower edge of the member 29 is shaped to provide legs 33. The member 29, therefore, is placed in the mold and cast into the base 13, the legs 33 being flush with the wall of the recess 28. The outer dimensions of the member 29 correspond to the inner dimensions of the four faces of the post 11 and

therefore said post may be placed in telescopic engagement with said member to cause the lower edge of said post to rest upon the upper face of the base 13. The walls 31 of the member 29 may now be spot welded to the walls 17 and 18 of the channular member 15. In this fashion the post 11 becomes an integral part of the base 13 and, when said base is secured to the floor in any suitable manner as by screws 35, it is rigid and non-yielding and will support any panel or gate which is mounted thereupon.

It will be understood that not always will it be possible to cast the member 29 into the base 13 and retain said member at an absolute right angle to said base. It will be further understood that should the member 29 be slightly out of alignment, when the post 11 is secured thereto, the upper end of said post will be considerably off center. Through the provision of the short wall 30 and the disconnected abutting walls 31, the walls of the member 29 may be bent a few thousandths of an inch to bring them to an absolute right angle with the base 13. When this has been done the post 11 is engaged with the member 29. When the walls 31 of the member 29 are welded to the walls 17 and 18 of the post, in two or more places in each wall, it is impossible for said walls to revert even slightly to their original misaligned position.

In Figures 4 and 5 of the drawing there is shown a slight modification of the intermediate member 29. The modified intermediate member 37 is formed from heavy gauge sheet metal and rectangularly shaped to provide walls 39. With the exception of the abutting edges 40 of the walls 39, said walls are integral with each other for a short distance up from the legs 42. From a point slightly above the upper face of the base 13, cuts 43 are made to separate the walls 39 from each other. The member 37 is cast into the base 13 identical with the member 29 above described. It is believed, however, should the member 37 become slightly out of alignment with the base 13 during casting, that the walls 39 thereof are more readily susceptible to being bent into alignment than are the walls 31 of the intermediate member 29. Since the walls 39 are disconnected from each other above the base 13, they may be readily bent and when the post 11 is brought into engagement therewith, welding the walls 17 and 18 of said post to the walls 39, prevents the last named walls from returning to their original misaligned position.

Although it is contemplated that the screws 35 will firmly secure the base 13 to the floor, a centrally located opening 45 is provided by which said base may be anchored to the floor through the use of an expansion or other suitable bolt.

Attention is directed to the fact that as

long as the base 13 is firmly secured to the floor there can be no yielding, other than the slight flexibility of the post 11, since said post, by welding to the intermediate member, which is embedded in the base, is secured as completely to said base as if the two elements were formed in one piece.

Although applicant has shown and described but one method of integrally securing a hollow post to a cast base, it is obvious that other modifications or adaptations may be made without departing from the spirit and scope of this invention as set forth in the hereunto annexed claim.

Having thus set forth my invention what I claim as new and for which I desire protection by Letters Patent is:

In a partition construction, a post comprising a cast metal base, an intermediate member cast into said base and projecting upwardly therefrom, flexible walls forming said members, said walls being susceptible of adjustment to align them at right angles relative to said base, an upright telescopically engaged with said intermediate member and abutting said base, said upright member being welded to said intermediate member whereby to integrally join said upright to said base.

In testimony whereof I have affixed my signature.

OSCAR J. LARSON.