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C. J. SWANSON

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PARTITION CONSTRUCTION

Filed Dec. 7, 1927

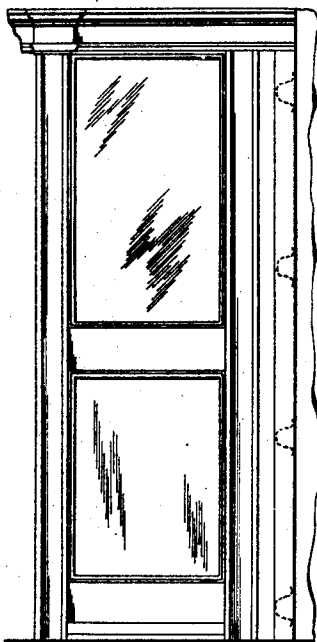


FIG. 1

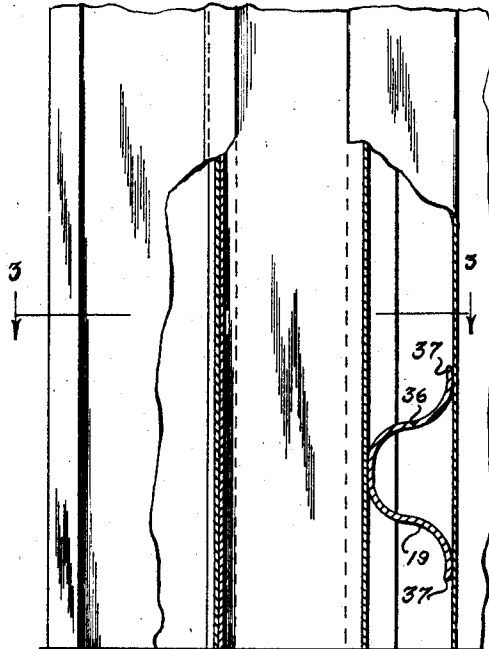


FIG. 2

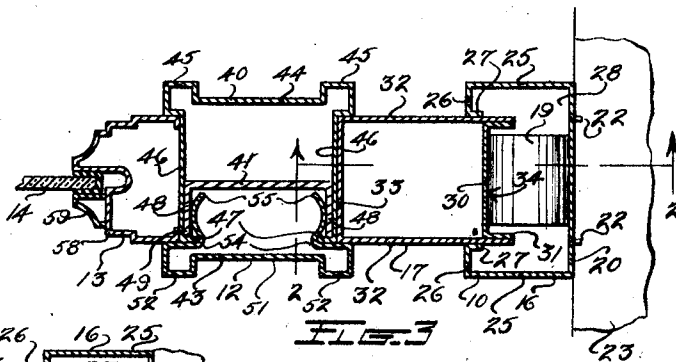


FIG. 3

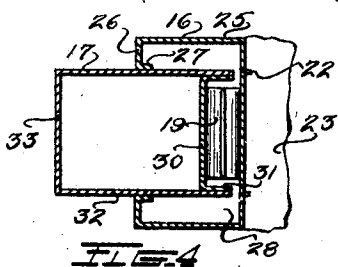


FIG. 4

Inventor
Charles J. Swanson

By *Clarence S. Walker*

His Attorney

UNITED STATES PATENT OFFICE.

CHARLES J. SWANSON, OF JAMESTOWN, NEW YORK, ASSIGNOR OF ONE-SEVENTH TO ERICK G. SAMPSON, ONE-SEVENTH TO FREDRICK CHARLES HERBY, ONE-SEVENTH TO GUSTAF R. THOREN, ONE-SEVENTH TO LAURENCE H. A. JOHNSON, ONE-SEVENTH TO OSCAR J. LARSON, AND ONE-SEVENTH TO CHARLES E. BACKUS, ALL OF JAMESTOWN, NEW YORK.

PARTITION CONSTRUCTION.

Application filed December 7, 1927. Serial No. 238,421.

This invention relates to an improvement in partition construction and more particularly to adjustable filler members therefore.

In its preferred embodiment this invention forms part of a partition construction and comprises adjustable members adapted to be extended or retracted with relation to a pilaster and an adjoining wall.

While it is known that many styles of removable partitions have been constructed, it is believed that none of them provide for automatically taking up the space between a pilaster and a given wall. At present it is almost a prerequisite that partitions be built exactly to given dimensions necessitating a considerable amount of work and expense.

It is applicant's endeavor to disclose herein a partition construction including an adjustable filler member which will automatically take up and occupy the space between a given wall and the adjacent pilaster without the necessity of holding to close and accurate dimensions.

An object of this invention is to provide a partition construction including a filler member which will automatically adapt itself when in place to engage a wall and adjacent pilaster.

Another object of this invention is to provide a filler member of this class which will not only automatically adjust itself to a given wall and pilaster, but will be firmly held in engagement with said wall and pilaster by means forming a part of said member.

A further object of this invention is to provide a filler member of this class which having formed part of a partition may be readily removed therefrom and again be capable of repeated use in other partitions.

Other objects of this invention will appear from a consideration of the following specification taken in connection with the drawings which form a part thereof and in which;

Fig. 1 is a fragmentary view of a 7 ft. 6 in. height partition, showing the filler member in position with relation to the pilaster and wall;

Fig. 2 is an enlarged view taken in the same plane as that of Fig. 1, parts being broken away to more clearly illustrate the structural details;

Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2 and shows the movable portion of the filler member in its extended position, and

Fig. 4 is a sectional view taken in the same plane with that of Fig. 3, showing the movable portion of the filler member in its retracted position.

Referring to the drawing and more particularly to Fig. 3, this invention comprises a filler member 10, pilaster 12, frame 13, and panel 14. The filler member comprises a fixed channel member 16, a movable member 17, and spring clips 19. The channel 16 along its rear or closed wall 20 is provided with raised portions or prongs 22 which are adapted to engage the wall 23 when said member is in position of work. The walls 25 of the member 16 extend at right angles to the wall 20 thereof, and are bent inwardly to form flanges 26, said flanges 26 terminating in further flanges 27 which extend into the space 28 within the channel 16. The movable member 17 is channular in shape and at its opened end is provided with a reinforcing bracket 30, said bracket being secured along its flanges 31 to the walls 32 of the member 17, in any suitable manner as by welding. Against the inner face 34 of the bracket 30 and secured thereto in any suitable manner as by welding, the spring clips 19 are located. These clips are substantially U shaped having walls 36 which terminate in reverse curved portions 37. The portions 37, when the filler member is assembled, are adapted to abut the inner face of the wall 20.

The pilaster 12 comprises a frame portion 40, a reinforcing bracket 41 therefore, and a removable plate 43. The wall 44 of the frame 40 terminates in flanged portions 45, the purpose of which will later be described. The walls 46 of the frame 40 are at right angles to the wall 44 and form a continuation of the flanged portions 45. These walls 46 terminate in inwardly extending flanges 47. The bracket 41 forms a support between the walls 46 of the frame 40 and is secured thereto along its flanges 48, by welding or any other suitable means. The ends 49 of the flanges 48, when the bracket 41 is in position, abut the inner edges of flanges 47 and thereby ma-

terially strengthening them. The removable plate 43 is comprised of a wall 51 and flanged portions 52. It is to be noted that the wall 51 and flanges 52 of the plate 43 conform identically in size, shape and relative position to the wall 44 and flanges 45 of the frame 40. The flanges 52, however, are bent inwardly at 54 away from the face 51 and terminate in clip like portions 55. When the removable plate 43 is in position, with relation to the frame 40, the inner walls of the flanged portions 52 abut the flanges 47, the curved portion 54 extending around said flanges and the clips 55 bear against the walls 48 of the bracket 41.

The panel frame 13 comprises walls 58 which are adapted to rest against the face 46 of the frame 40 and between the flanged portions 45 and 52. The panel 14 is secured in any suitable manner, in the present instance by moulding 59 which holds it against one wall of the frame 58. Inasmuch as the frame 13 and panel 14 do not form a part of this invention further description thereof will be unnecessary.

When it is desired to set up and assemble partitions embodying this invention the following steps are to be observed: The frame 40 of the pilaster 12 is secured to the floor in any suitable manner (not shown). The filler member 10 consisting of the channular member 16, movable member 17, and spring clips 19, are next assembled by simply inserting the member 17, with the clips 19 secured thereto, in the space between the flanges 27 until the portion 37 of the clips abut the inner face of the wall 20. In practically every instance the space between the wall 23 and the face 46 of the pilaster is less than the extended width of the filler member and in order to position said filler member within this space the movable member 17 must be forced into close engagement with the channular member 16, and so held against the action of the spring clips 19, until the filler member as a whole has been brought into a position such that the corner, formed by the walls 32 and 33, strikes the flanged portion 45. When this occurs the pressure against the movable member 17 may be released and said member, due to the action of the clips 19, will force itself into close engagement with the face 46 of the pilaster. When the filler member 10 is in place between the wall 23 and the face 46 of the pilaster, it cannot be removed or forced out of engagement with either the pilaster or the wall 23. This is due to the spring clips 19 which being of sufficient strength and tension force the wall 20 and prongs 22 into close engagement with the wall 23. When the filler member has been positioned as above described the plate 43 of the pilaster is snapped into position on the frame 40. When this is done one of the flanged portions 52 of the plate 43 acts with one flanged portion 45 to

prevent the inadvertent removal of the member 17 from its position.

By referring to Fig. 4 a clearer understanding may be had of the relative position of the movable and fixed portions of the filler member when said member is in its retracted or collapsed position. It is obvious that, since the spring clips 19 are of sufficient strength to hold the filler member in alignment with the pilaster, the movable member 17 must be forced into closer engagement with the channel member 16 when it is desired to remove said member from engagement with the pilaster and the wall. To tear down the partition embodying this invention, the plate 43 of the pilaster is removed and some appropriate instrument such as a screw driver wedged between the wall 33 and the face 46 to press the member 17 into closer engagement with the channel 16 and thereby free said member from its pressure engagement with the face 46.

While only one modification of this invention has been shown and described, applicant does not intend to be limited thereto since it is obvious that other modifications and adaptations may be made without departing from the spirit and scope of this invention as set forth in the following claims.

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

1. In a removable partition for buildings, an adjustable filler member and pilaster, said filler member being comprised of fixed and movable channular elements, inwardly projecting flanges terminating the channel walls of said fixed element, contacting faces terminating said inwardly projecting flanges, said movable element being engaged with and supported by said fixed element through contact with said faces, and springs joined to said movable element and abutting said fixed element, said springs causing said movable element to be extended to engage said pilaster under pressure.

2. In a removable partition for buildings, an adjustable filler member and pilaster, said filler member being comprised of fixed and movable channular elements, said fixed member engaging a wall, inwardly turned flanges defining the edges of the walls of said fixed element, said movable element being channularly shaped and in sliding engagement with said flanges, a recessed support secured to and closing the open side of said movable element, springs joined to said support and abutting said fixed element whereby said movable element is extended and caused to engage said pilaster under pressure.

3. In a removable partition for buildings, an adjustable filler member and pilaster, said filler member being comprised of fixed and movable channular elements, the open side of the fixed element being directed toward

and adapted to receive the walls defining the open side of said movable element, a recessed support secured to and closing the open side of said movable element, springs joined to the base wall of said recessed support and abutting the base wall of said fixed element whereby the base wall of said movable element is caused to engage said pilaster under pressure.

4. In a removable partition for buildings, the combination of an adjustable filler member comprising a fixed channular element en-

gaging a wall, a spring actuated channular element slidably supported in said fixed element, with a pilaster, said pilaster being recessed, a second wall of said pilaster removably engaging said first wall whereby said spring actuated element may be mounted in said recess and retained therein by said removable pilaster wall.

In testimony whereof I have affixed my signature.

CHARLES J. SWANSON.