Feb. 25, 1930. W. W. HERRING 1,748,766

DOORFRAME

Filed July 9, 1928

Fig. 2.

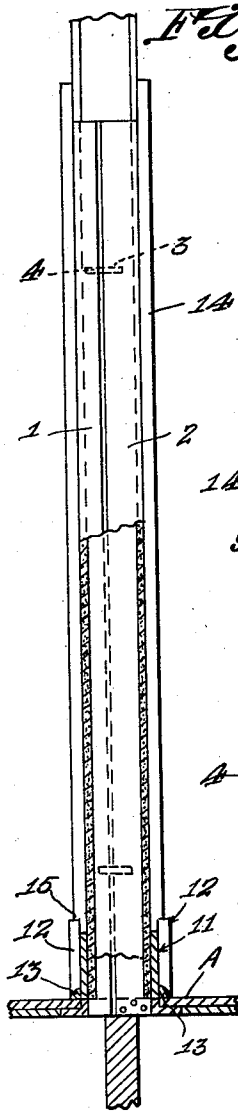


Fig. 1.

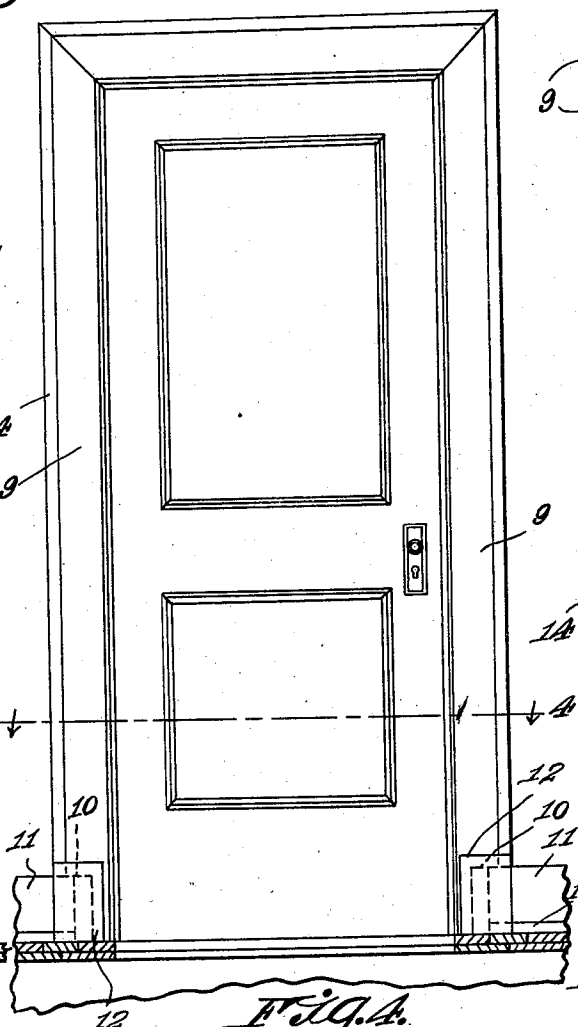


Fig. 3.

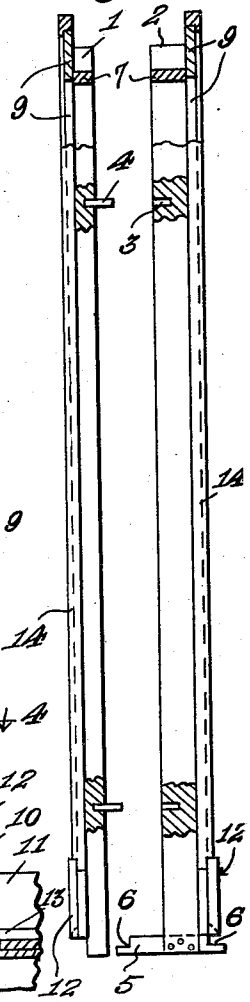


Fig. 4.

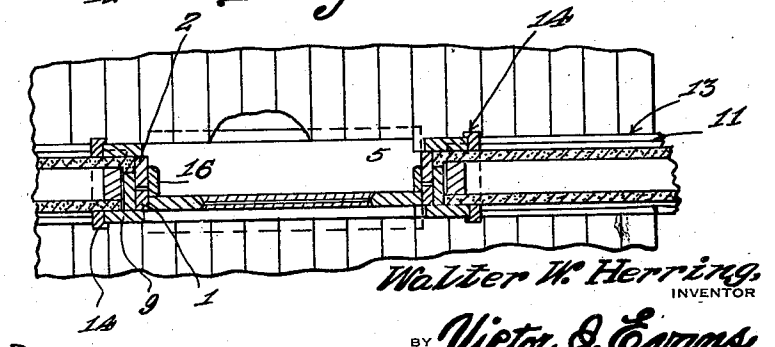
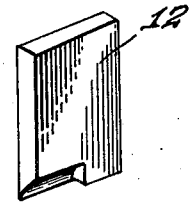


Fig. 5.



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WITNESS:

Patented Feb. 25, 1930 1,748,766

UNITED STATES PATENT OFFICE

WALTER W. HERRING, OF OKLAHOMA CITY, OKLAHOMA

DOORFRAME

Application filed July 9, 1928. Serial No. 291,431.

This invention relates to door frames and its general object is to provide a frame that can be set accurately in operative position in a door opening in an easy and expeditious manner, with very little effort, and cutting and fitting during the setting operation will be eliminated, yet a neat and substantial job will be the result with no unsightly or uneven joints.

A further object of the invention is to provide a door frame that is adjustable to fit irregular walls and walls of various thicknesses and includes floor supporting means that not only receives the floor to provide a flush joint between the frame and floor, but braces the frame to prevent rocking and casual spreading or separation of the parts.

Another object of the invention is to provide a door frame that can be set up in a manner to provide tight joints between the parts, with accuracy, and in minimum time.

Another object of the invention is to provide a door frame of the character set forth, that is simple in construction, inexpensive to manufacture and install and is efficient in operation and service.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a view of a frame constructed in accordance with my invention in set position with a door countersunk therein.

Figure 2 is a view taken at right angles to Figure 1 with parts broken away and in section.

Figure 3 is a similar view of the frame prior to its being disposed to set position.

Figure 4 is a sectional view taken on line 4—4 of Figure 1, looking in the direction of the arrows.

Figure 5 is a detail view of the base block which forms a part of the present invention.

Referring to the drawings in detail, the door frame includes sections indicated respectively by the reference numerals 1 and 2. One of these sections is relatively thicker than the other section and is provided with sockets 3 for the purpose of accommodating dowel pins 4 for securing the sections in operative position as best shown in Figure 2 of the drawings.

A floor plate 5 is provided for the frame and this plate has the side members of the frame secured to its outer edges when the frame is in its set position.

The opposite longitudinal edges of the floor plate are recessed as at 6 for the purpose of accommodating the ends of the upper flooring A while the sub-floor is disposed flush with the remaining portions of the longitudinal edges as best shown in Figure 2 of the drawings. This floor plate not only provides a flush joint between the flooring and the plate, but also by being secured to the side members of the sections, prevent rocking and casual separation or spreading of the parts. This floor plate is extremely advantageous in shipping the frame, as it will be apparent that the plate can be secured permanently to the section 2, while the section 1 can be temporarily secured thereto.

Secured to the outer edges of the side members and top 7 of the frame is the trim 9 which is recessed as at 10 at its lower edges for the purpose of receiving the base boards 11. It will be noted upon inspection of Figure 1 that the base boards do not have to be disposed in contacting engagement with the inner edges of the recesses, as I provide a base block 12 as best shown in Figure 5 for covering the joint between the trim and the base board. The base blocks are each formed with a recess extending inwardly from one edge thereof and at its bottom, and these recesses are of any shape, depending upon the shape of the base mold 13 which is adapted to be disposed in the recess of the base blocks for fitting engagement.

The base mold as shown is formed with an outer rounded surface, with the result the re-

cess of the base block has its inner surface formed accordingly. By arranging the recesses in the base blocks, it will also be apparent that accurate cuts on the ends of the base molds will not be necessary and the same is true with respect to the base boards in view of the recesses 10 of the trim. Surrounding the outer edges of the trim is a back band 14 and this back band is recessed to accommodate the trim in a manner as best shown in Figures 3 and 4 of the drawings, and the lower ends of the side pieces of the back bands are also recessed as at 15 for the purpose of receiving the base blocks and the portion formed when the recess 15 is disposed between the trim and the base block as shown in Figure 3.

From the above description and disclosure of the drawings, it will be obvious that I have provided a door frame that can be set up in an easy way and expeditious manner and will fit irregular walls and walls of various thicknesses. The joint between the sections 1 and 2 when they are disposed in set position is covered by a door mold 16 which also acts to receive the door when the latter is in its closed position as best shown in Figure 4. The door mold is nailed to the respective sections or secured thereto in any appropriate manner with the result this mold co-operates with the dowel pins 4 for securing the sections in operative position.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:

A door frame joint construction of sectional formation, trim for the sections being recessed to accommodate the adjacent portions of base boards, base blocks recessed to receive molding for the base boards and to overlie the joints between the base boards and trim, and back bands for the trim having their lower ends recessed to accommodate the base blocks and to be disposed for engagement with the base boards.

In testimony whereof I affix my signature.

WALTER W. HERRING.