Feb. 10, 1970 W. R. TODD 3,494,076

EXTENSIBLE POCKET FOR SLIDING DOORS

Filed Feb. 21, 1968

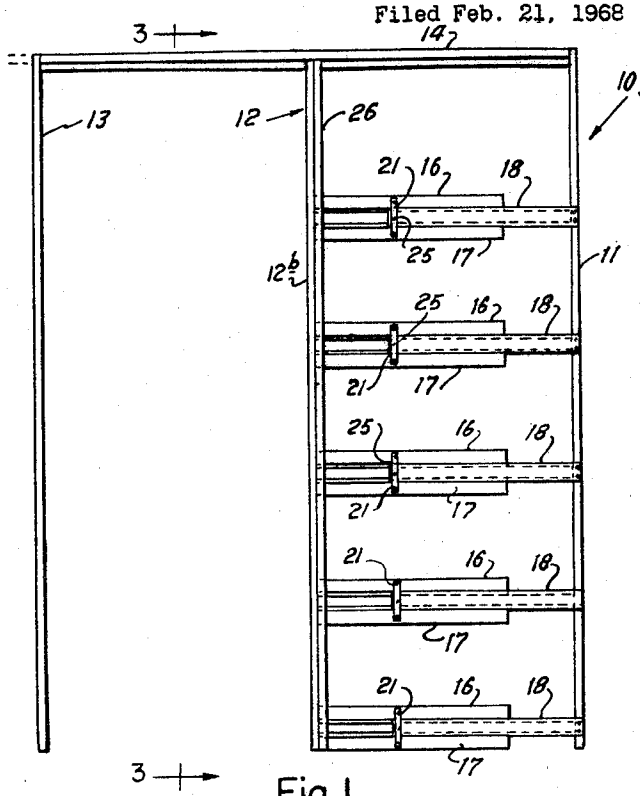


Fig. 1

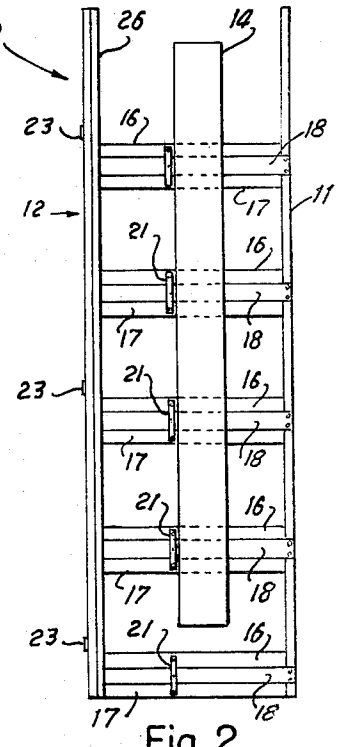


Fig. 2

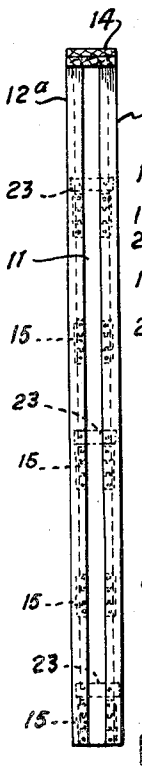


Fig. 3

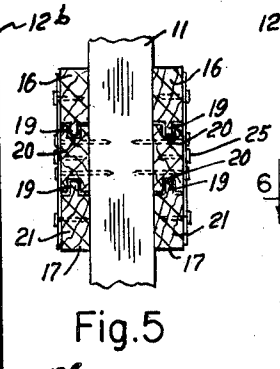


Fig. 5

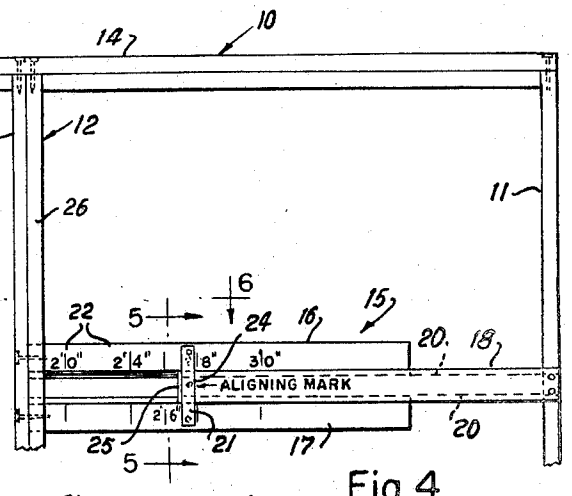


Fig. 4

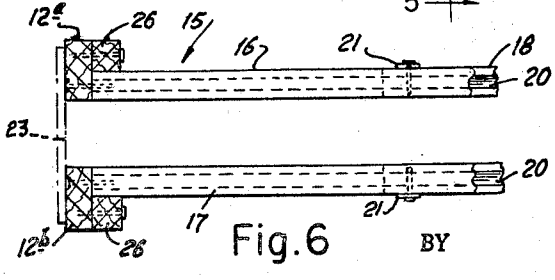


Fig. 6

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EXTENSIBLE POCKET FOR SLIDING DOORS

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U.S. Cl. 49—505 2 Claims

ABSTRACT OF THE DISCLOSURE

An extensible frame or pocket for sliding doors for installation in a wall having means by which the frame or wall pocket can be extended as to width to accommodate doors of different lateral dimensions, and having indicia on horizontal portions thereof to indicate permanent width settings when the frame is installed.

This invention relates to frames or pockets for sliding doors, and it has particular reference to sliding door pockets which are extensible laterally and capable of being installed in a wall structure to accommodate sliding doors of different width dimensions.

OBJECTS AND PURPOSES

An object of the invention is that of providing a convenient and inexpensive means for the ready installation of a frame for sliding doors, affording a structure by which craftsmen having only ordinary skill are capable of installing sliding doors of any lateral dimensions, and with a minimum of difficulty, resulting in substantial economy in such operations.

A feature object of the invention is that of affording economical means of packaging the door frames for storage and transportation which is provided for in the unique collapsibility thereof.

Broadly, the invention resides in the provision of a sliding door frame which is capable of lateral contraction and extension whereby any standard sized door can be readily adapted for slidability, and easily installed by persons having a minimum of skill in such operations.

DESCRIPTION OF THE DRAWING

While the foregoing objects are paramount, other and lesser objects will become apparent as the description proceeds, when considered in connection with the appended drawings wherein:

FIGURE 1 is an elevational view of a door frame embodying the invention.

FIGURE 2 is an elevational view of the invention in contracted position for storage or transportation.

FIGURE 3 is a vertical sectional view on lines 3—3 of FIGURE 1.

FIGURE 4 fragmentarily illustrates, in elevation, the extensible lateral or horizontal elements of the invention, showing the aligning indicia thereon.

FIGURE 5 is a fragmentary sectional view on lines 5—5 of FIGURE 4, and

FIGURE 6 is a fragmentary sectional view on lines 6—6 of FIGURE 4.

DETAILED DESCRIPTION

In its preferred form the invention comprises an overall frame structure **10** adapted for installation in a hollow wall, and consists of a vertical back jamb member **11**, a divided intermediate jamb assembly **12**, and a face jamb **13** all connected across their uppermost ends by a header **14**, as shown in FIGURE 1. The intermediate jamb assembly **12** comprises two vertical facing strips **12***a* and **12***b* which are spaced apart a distance equal to the width of the back jamb **11** to define a pocket for a sliding door (not shown) when the jamb assembly **12** is connected to the back jamb **11** by a series of horizontal vertically

spaced frame members **15**, in the manner shown in FIGURES 3, 5 and 6.

Each of the frame members **15** comprises an assembly of slidably associated bars or slats **16**, **17** and **18**, as shown best in FIGURES 1, 4 and 5, each of the slats **16** and **17** having a tongue **19** formed longitudinally of one edge and arranged so that the tongue **19** of each is opposed to that of the other. The member **18** has a longitudinal groove **20** in each opposing edge to slidably receive the tongues **19** of the members **16** and **17**, in the manner shown in FIGURES 4 and 5.

One end of each of the slats **16** and **17** is nailed to the facing strips **12***a* and **12***b*, as shown in FIGURES 4 and 6, their free ends extending toward the back jamb **11**, while one end of each of the slats **18** is secured to the jamb **11**, their free ends extending between the slats **16** and **17** toward the divided jamb assembly **12**, as best illustrated in FIGURES 1 and 4, straps **21** being secured to each of the members **16** and **17** across the members **18** to stabilize these elements in proper alignment. This arrangement is shown in FIGURES 1, 2, 4 and 5.

By reference to FIGURE 4 it will be seen that a variety of standard door widths are indicated by markings **22** along the slats **16** and **17** and along the header **14**. Before securing the header **14** to the vertical back jambs **11** and the facing strips **12***a* and **12***b*, as shown in FIGURE 4, the frame members **15** are longitudinally adjusted to the proper markings **22** to accommodate the desired door width. The header **14** is cut off accordingly at the desired marking **22** whereupon the face jamb **13** is secured to the header **14** to complete the frame structure, as depicted in FIGURE 1.

The frame assembly can be compactly packaged by contracting it, in the manner shown in FIGURE 2, by reason of the telescoping association of the cross-members **16**, **17** and **18**. In this condition straps **23** are tacked across the facings **12***a* and **12***b*, as shown in broken lines in FIGURES 3 and 6, to retain these members in proper position until the frame **10** is installed in a wall. The header **14** and the jamb **13** are arranged between the members **11** and **12**, lying along the contracted cross-member assemblies **15**.

OPERATION

The installation of the frame **10** is a simple operation. When the width of the sliding door (not shown) is determined, the frame members **11** and **12** are adjusted to the required spacing by aligning the marks **24** on the cross-members **18** with the appropriate marks **22** on the companion members **16** and **17**, as indicated in FIGURE 4, and secured by nails **25** driven through the straps **21** whereby the frame **10** is permanently fixed in the required adjusted position. The header **14** is then cut off at the mark **22** thereon to provide an opening accommodating the proper width door. The header **14** is then nailed to the tops of the vertical jamb members **11**, **12** and **13**, as shown in FIGURES 1 and 4.

Wall-board thicknesses may vary according to the particular requirements. A finish strip **26** is provided to be nailed to the vertical facing strips **12***a* and **12***b*, as shown especially in FIGURE 6, against which the wall-board (not shown) is abutted and nailed to the members **15**.

The invention, while described in substantial detail, is capable of certain changes in design and structure without departing from the spirit and intent thereof.

What is claimed is:

1. In an adjustable pocket frame for sliding doors for installation in a hollow wall structure, comprising, a vertical back jamb member, a vertical face jamb member, a header, and an intermediate divided jamb assembly comprising a pair of vertical members spaced laterally to provide a slot for a door slidably mounted in said

frame, a plurality of assemblies of vertically spaced horizontal telescoping frame elements connecting each member of said divided jamb assembly to said back jamb to define a pocket for said door, each of said telescoping assemblies comprising a pair of upper and lower horizontally disposed and vertically spaced slats secured at one end to said intermediate divided jamb assembly and having their free ends extending toward said back jamb, an intermediate slat having one end secured to said back jamb and its free end slidably extending toward said divided jamb assembly between said vertically spaced slats, spaced markings on said telescoping assemblies for indicating the width of said door pocket, and means including straps connecting said vertically spaced slats across said intermediate slat for securing said assemblies in adjusted positions.

2. In a sliding door pocket frame, as described in claim 1, the said slats in each of said telescoping assemblies having a tongue and groove connection whereby to slidably align said slats in longitudinal relation.

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U.S. Cl. X.R.

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