July 3, 1956 E. A. WESTMAN 2,753,021

MULLION ASSEMBLY

Filed March 27, 1953

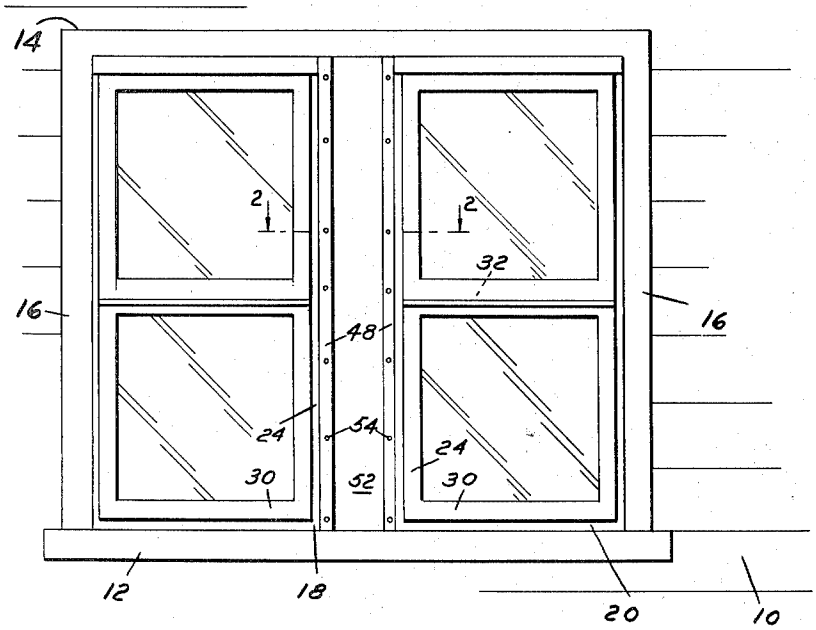


FIG. 1

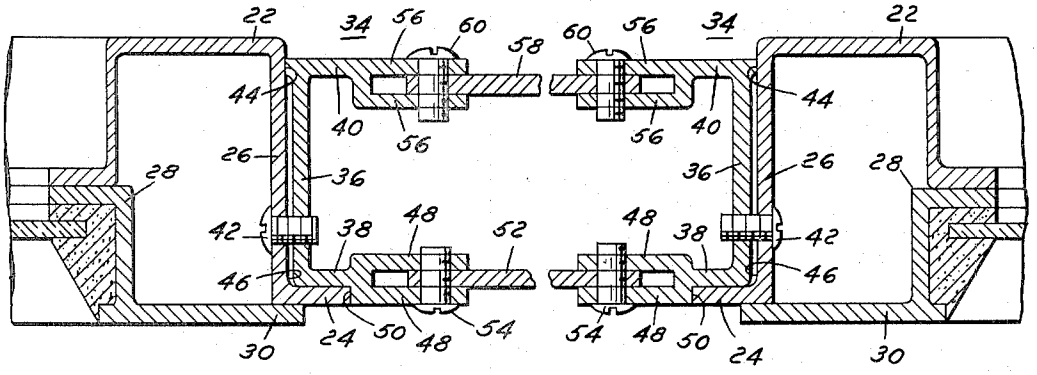


FIG. 2

INVENTOR.

ELMER A. WESTMAN

BY

Burton & Parker

ATTORNEYS

United States Patent Office 2,753,021 Patented July 3, 1956

2,753,021

MULLION ASSEMBLY

Elmer A. Westman, Fenton, Mich., assignor to Industrial Machine Tool Company, Fenton, Mich., a corporation of Michigan

Application March 27, 1953, Serial No. 345,017

2 Claims. (Cl. 189—75)

This invention relates to an improved mullion assembly.

An object is to provide a mullion assembly which is adjustable as to its width dimension so as to be usable between adjacent spaced window frames, the interval between which window frames may vary.

Another object is to provide a mullion assembly particularly designed for use between metal window frames to bridge the space therebetween.

Another object is to provide a mullion assembly which comprises a complete mullion structure that is capable of adjustment to fit intervals between spaced adjacent window frames, which intervals vary as to width, and which structure presents an attractive appearance and is adapted to be supported by the window frames between which it is installed.

Another object is the provision of a mullion assembly which comprises a pair of complementary opposed mullion stringers, which stringers are channel-shaped in cross section, and a pair of spacer panels or plates adapted to be received between the mullion stringers and adapted to be supported thereby and which plates are adjustable with respect to the stringers to accommodate for different interval spaces between the stringers.

Another meritorious feature is the provision of a mullion assembly comprising complementary opposed mullion stringers exhibiting spacer panel supporting channels in association with spacer channels receivable within the channels and which stringers are so shaped as to be capable of being readily mounted upon the exterior jamb faces of the jamb members of conventional metal window frames.

Other objects, advantages and meritorious features will more fully appear from the following specification, claims and accompanying drawings, wherein:

Fig. 1 is a side elevation of a fragment of the wall of the building wherein a pair of windows are disposed adjacent to each other and my improved mullion assembly is embodied;

Fig. 2 is a horizontal sectional view taken on line 2—2 of Fig. 1.

As heretofore stated, this mullion assembly is designed for use on metal window frames. It is designed to fill in the space between a pair of metal window frames. It is adjustable to accommodate for slight variations in such space. It is also adaptable to accommodate for substantial variations by substitution of different width intermediate panel sections.

In the drawing, the side wall of a building is illustrated at **10** and a window frame structure to receive a pair of window frames is illustrated as embodying a sill **12**, a header **14** and a pair of jamb members **16**. Such view is taken from the outside of the building. The two window frames **18** and **20** are illustrated as disposed adjacent to one another but in spaced relationship within the frame formed in the side wall of the building.

The window frames here shown are formed of metal and Fig. 2 illustrates two of the jamb members at **22**. These jamb members are of angular construction and each includes an outer face flange **24** which is disposed at a right angular position with respect to the jamb faces **26**. This flange is generally disposed within the plane of the window.

The swinging sashes **28**, two of which are shown in each window, exhibit an outer flange portion **30** adapted to seal against the flange **24** of the window frame. The sashes here shown are mounted to swing upon horizontal axes **32**. It is apparent that the sashes might be of the French window type and swing upon vertical axes and the frame construction would be substantially the same.

This invention relates to the mullion assembly which is interposed between the jamb faces **26** of the two window frames. This mullion assembly comprises a pair of complementary mullion channels indicated generally by the numeral **34**. Each of these two channels has a bottom portion **36**, an outer side wall portion **38**, and an inner side wall portion **40**. The channels are adapted to be secured to the jamb faces **26** of the window frames by screws **42**. The bottom **36** of each channel is provided on its outer face with a ledge **44** extending lengthwise thereof which ledge is adapted to bear against the outer surface of the jamb face **26** of the window frame so that the channel may be properly supported thereupon notwithstanding the presence of the radius **46** at the opposite side of the jamb face **26** adjacent to the flange **24**. Due to the provision of the ledge the screws **42** will draw the ledge of the channel to a proper seat upon the jamb face **26**.

The side wall **38** of each channel is so formed as to exhibit along its margin a bifurcation or channel-shape formed by the forks **48**. These forks **48** are offset in opposite directions the side wall **38** and one of them exhibits a shoulder **50** which seats against the edge of the flange **24** as shown in Fig. 2.

A panel or a plate member **52** has its opposite margin seated between the bifurcations **48** and is adjustable therein within the limits of the depth of such bifurcations. This panel may be held in place therein by screws **54**. These may be self-tapping screws or any suitable type of connections may be employed. It is apparent that the panel may be adjustable within the limits of the bifurcations and thereby accommodate for slight variations in dimension of the space between the window frames. It is also apparent that a panel of greater or less width might be substituted and thereby provide for substantial variation in spacing between the window frames.

Each side wall **40** is also provided along its margin with a channel or bifurcation exhibiting forks **56**. These forks are spaced apart to receive therebetweeen the opposite margins of a panel or sheet **58**. Such panel may be held in place by screws **60** in the same manner as has heretofore been described with respect to the panel **52**. Such panel **58** is likewise similarly adjustable and substitute panels of different width may be employed. These bifurcations **56** are so disposed that one of them is offset inwardly of the panel and the other one is in line with the side wall **40**.

The mullion panel sections might well be metal channels of aluminum or steel, or whatever material is desired. The panels **52** and **58** might similarly be formed of metal strips. The mullion assembly is held in place by and between the window frames. It constitutes a simple assembly easily installed in place. It enables the builder to install a mullion assembly and to accommodate it to variations in spacing between windows with a minimum of effort and cost.

What I claim is:

1. An adjustable mullion assembly for closing the space between a pair of adjacent spaced window frames having jamb members exhibiting complementary opposed outer jamb faces of right angled contour and having complementary directly opposed legs, said mullion assembly comprising a pair of channel-shaped complementary mullion stringers adapted to be mounted upon the opposed outer jamb faces of the jamb members abutting the legs thereof and with the channel openings of said stringers disposed in opposition to each other, the two side walls of the two mullion channel stringers provided with complementary bifurcated margins, a pair of spacer plates disposed between said mullion stringers with the margins of the plates mounted within the bifurcations of the side walls of the stringers, one side wall of each of said mullion stringers having its bifurcated marginal portion offset outwardly defining a shoulder seating upon the edge of the leg of the jamb member with which it is associated.

2. A mullion assembly comprising a pair of complementary mullion stringers channel-shaped in cross section, each mullion stringer having each of its two side walls formed along its margin to exhibit an outwardly

open marginal panel receiving channel, one marginal channel of each stringer being partly offset laterally outwardly providing an exterior shoulder on said side wall of the stringer, the other marginal channel of the stringer being entirely offset inwardly of the stringer channel, a pair of spacer panels disposed between said stringers with the margins of the panels disposed within the outwardly open panel receiving channels along the margins of the side walls of the stringer channels, and means securing said panels within said panel receiving channels, each stringer having a ledge extending lengthwise of the stringer below the bottom of the stringer channel and in line with the side wall of the stringer channel having the inwardly offset marginal channel.

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