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TRACK MOUNTING FOR SCREENS OR THE LIKE

Filed June 5, 1926

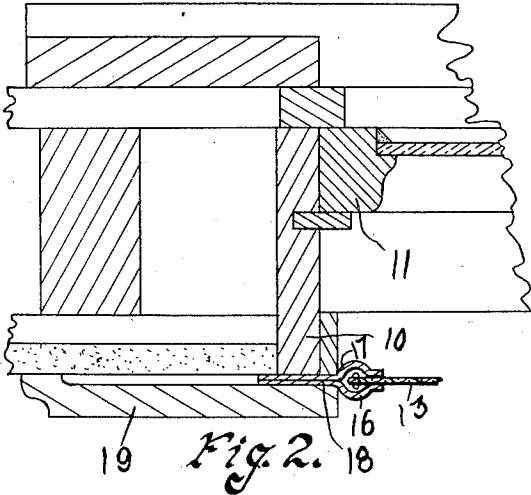


Fig. 2.

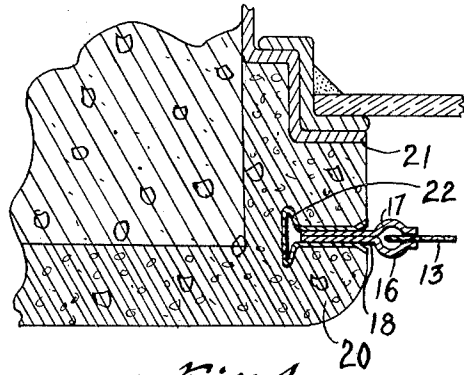


Fig. 4.

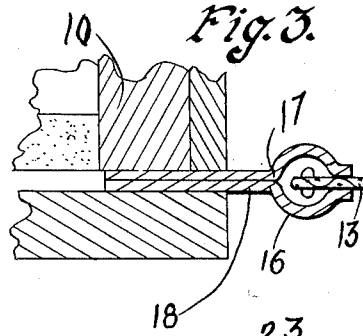


Fig. 3.

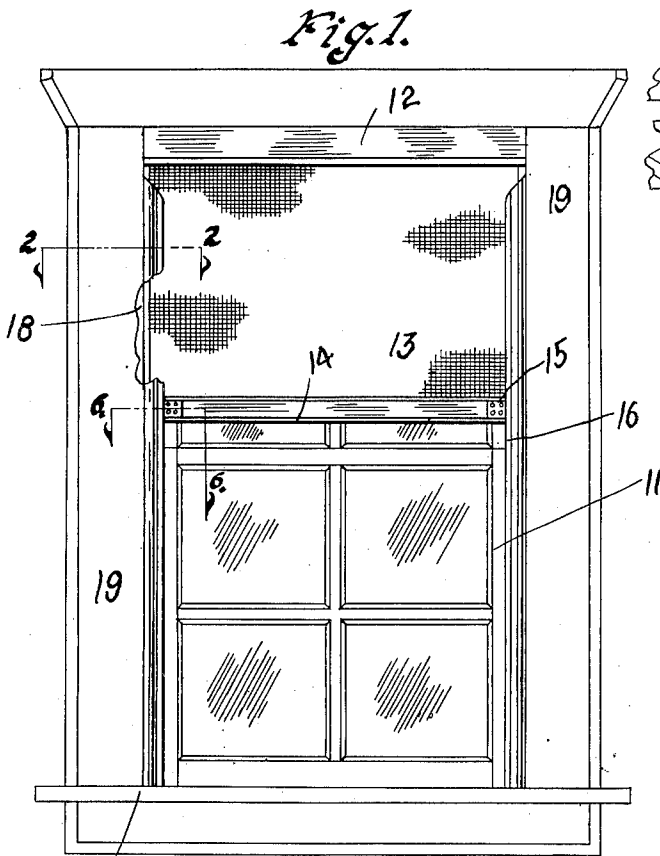


Fig. 1.

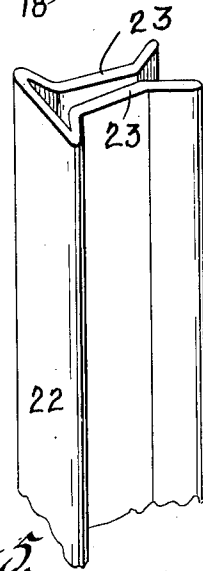


Fig. 5.

Witness

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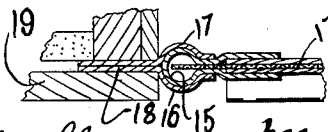


Fig. 6.

by Bair & Freeman Attorneys

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# UNITED STATES PATENT OFFICE.

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## TRACK MOUNTING FOR SCREENS OR THE LIKE.

Application filed June 5, 1926. Serial No. 114,006.

The object of my invention is to provide a track mounting wherein a track for rolling window screens or the like may be easily and quickly mounted in position and which is of simple, durable and comparatively inexpensive construction.

More particularly my invention relates to a mounting for tracks for screens or the like wherein a substantially large surface of the track will be received in a clip or between two members and frictionally held there without necessarily using other fastenings.

Still a further object is to provide in such a device a fitting or form having a pair of spaced sides adapted to have forced therebetween, flat fastening flanges of the tracks wherein the tracks will be held by friction in proper position.

Still a further object is to provide the tracks themselves with fastening flanges of substantial areas so that adjustment of the tracks towards or from each other may be had wherein any slight variation in the width of the window frames or the like to which the screen is to be fastened, may be easily taken care of by simply permitting the tracks to adjust themselves for the proper width of the screen.

With these and other objects in view, my invention consists in the construction, arrangement and combination of the various parts of my device, whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which:

Figure 1, is a plan view of a window casing with my improved track mounting for window screens together with a rolling window screen thereon.

Figure 2, is a detail sectional view taken on line 2—2 of Figure 1 showing the screen track mounted in position.

Figure 3, is an enlarged detail view of the same showing the guide portions of the track in position spaced further away from the casing or frame.

Figure 4, shows the means of mounting the tracks in plastic material where steel window sashes and frames are employed.

Figure 5, is a perspective view of the form used for mounting the tracks in connection with steel window frames; and

Figure 6, is a detail sectional view taken on line 6—6 of Figure 1.

In the accompanying drawings I have

used the reference numeral 10 to indicate generally a window frame which includes a sash 11 which may be of the double hung type or which may be of the casement type.

Secured to the window frame 10 near its top is a casing 12 having a roller therein (not shown) upon which the screen or the like 13 may be wound.

The lower edge of the screen 13 is formed with a binder 14 having curved portions 15 upon its ends which are designed to be received in and travel in guide portions 16 formed on tracks 17.

The track 17 includes a pair of similar oppositely spaced members which have a comparatively large flat fastening flange 18 thereon. The flat fastening flanges 18 are of sufficient areas or sizes so as to be able to be frictionally held between two members and retained in the proper position and at the same time to permit the flanges 18 to be adjusted where necessary in the manner I will hereafter describe in detail.

In Figures 2 and 3 of the drawings I have shown the fastening flanges 18 as being received between the frame 10 and the molding or outside casing 19.

It will be noted that the tracks 17 are mounted along each of the vertical sides of the window frame 10 and that the curved ends 15 of the binder 14 are designed to travel within the guide portions 16.

It will be further noted that in case there is any variation in distance from one side of the frame 10 to the other side then by simply adjusting the position of the tracks 17 I am able to have the binder 14 on the screen 13 properly positioned and have its curved ends travel within the guide portion 16.

In the practical installation of the track 17 all that is necessary is to place the track 17 between the member 19 and the frame 10 and then simply withdraw the screen from the casing 12 and the binder strip 14 will then automatically and properly position the tracks 17. The binder spaces the two tracks properly and after the binder has traveled from the top of the tracks to the bottom, the member 19 is then rigidly secured to the frame 10 and thereafter the tracks 17 are securely held.

The member 19 may then be rigidly fastened in position and when this is done the track 17 will be frictionally held between the member 19 and the frame 10.

In Figure 2 of the drawings I have shown the fastening flange 18 of the tracks 17 as fastened in between the member 19 and the frame 10 wherein the fastening flange is completely concealed. While in Figure 3 of the drawings I have shown the fastening flanges 18 as partly exposed.

The purpose of providing the fastening flange 18 is therefore two fold, that is to give me a sufficient surface so that the member 19 when in position will cause the tracks to be frictionally engaged without further fastenings and at the same time to permit adjustment when necessary.

After the tracks 17 have once been adjusted to the particular job then it becomes a permanent part of the casing 10.

The fastening flange of the track is of course, concealed by the member 19. In Figure 2 of the drawings the slit opening is formed between the member 19 and the casing 10 and in both cases the fastening flange which is of substantial width is frictionally held in position.

In Figures 4 and 5 of the drawings I have shown the installation of the tracks in connection with the steel type of window casing wherein no wood molding is provided and the plaster 20 is abutted against the steel casing 21.

In this type of building construction it is necessary in order to provide and easily install my tracks for window screens, to first place within the plaster a metal clip 22 which may be of any suitable shape and in this case I provide a clip that has a pair of flat sides 23 slightly inclined toward each other so that when the flat fastening flanges 18 are inserted therebetween the parts will frictionally engage with the fastening flange 18.

The extreme outer ends of the two sides 23 are bent outwardly so as to provide an enlarged opening for permitting the easy entrance of the fastening flanges 18 into the clips 22 and between the sides 23.

The clip 22 is inserted at the time the plastering is being done and is not exposed except the two edges thereof and is very neat and does not mar the beauty of the interior of the home or building.

When it is desired to install the tracks all that is necessary is to clean the clips 22 from any plaster that may have entered them while the plastering was being done and thereafter simply insert the fastening flanges 18 in proper position.

The withdrawing of the rolling window screen and having the ends of the binder 14 pass within the guide portion 16 of the tracks 17 will cause the tracks 17 to be properly positioned and spaced apart automatically.

It may be mentioned that the fastening flanges 18 in this case will be simply moved

inwardly or outwardly within the clip 22 a proper amount so as to insure proper positioning of the tracks themselves.

When it is desired to remove the tracks for any reason all that is necessary is to simply pull them from the clip 22.

The tracks ordinarily are not removed except for repair purposes and painting and usually are painted when the interior of the house is painted and form a part of the same finish.

Some changes may be made in the construction and arrangement of the various parts of my invention, without departing from the real spirit and purpose of my invention, and it is my intention to cover by my claims, any modified forms of structure or use of mechanical equivalents, which may be reasonably included within their scope.

I claim as my invention:

1. A track mounting including a clip adapted to be embedded in plastic material, said clip having a pair of sides inclined towards each other for forming a restricted passage therebetween, the free edges of said sides being inclined away from each other and a track having a flat fastening flange thereon adapted to be received between said sides and extended through the restricted passages and frictionally engaged thereby for holding the track in position.

2. A track mounting including a clip adapted to be embedded in plastic material, said clip having a pair of sides inclined towards each other for forming a restricted passage therebetween and a track having a flat fastening flange thereon adapted to be received between said sides and extended through the restricted passage and frictionally engaged thereby for holding the track in position.

3. A track mounting including a member having a slit opening therein, a track having a fastening flange thereon, said fastening flange adapted to extend into said slit opening and be received between parts of said member, parts of said member frictionally engaging the fastening flange for holding it in position and permitting the track to be adjusted towards or from the member as and for the purposes stated.

4. A track mounting including a member having a slit opening therein, a track having a fastening flange thereon, said fastening flange adapted to extend into said slit opening and be received between parts of said member, parts of said member frictionally engaging the fastening flange for holding it in position.

5. A track mounting including the forming of slit opening, a track, a fastening flange of substantial width on said track, said flange adapted to fit snugly into said slit opening and have its surfaces friction-

ally engage the material on the sides of the slit opening whereby the track may be mounted and held in position in said slit opening.

5 6. A track mounting including a member having a slit opening, a track, a fastening flange of substantial width on said track, said flange adapted to fit snugly into said slit opening and have its surfaces friction-  
10 ally engage the material on the sides of the slit opening whereby the track may be mounted and held in position in said slit opening.

7. A track mounting including the form-

ing of slit opening, a track, a fastening 15  
flange of substantial width on said track, said flange adapted to fit snugly into said slit opening and have its surfaces friction-  
ally engage the material on the sides of the slit opening whereby the track may be 20  
mounted and held in position in said slit opening the substantial width of said fastening flange permitting the track to be ad-  
justed towards or from the mouth of the slit opening. 25

Des Moines, Iowa, March 11, 1926.

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