Jan. 3, 1928.

1,654,992

C. MUTH

WINDOW ATTACHMENT

Filed July 26. 1926

2 Sheets-Sheet 1

Fig. 1.

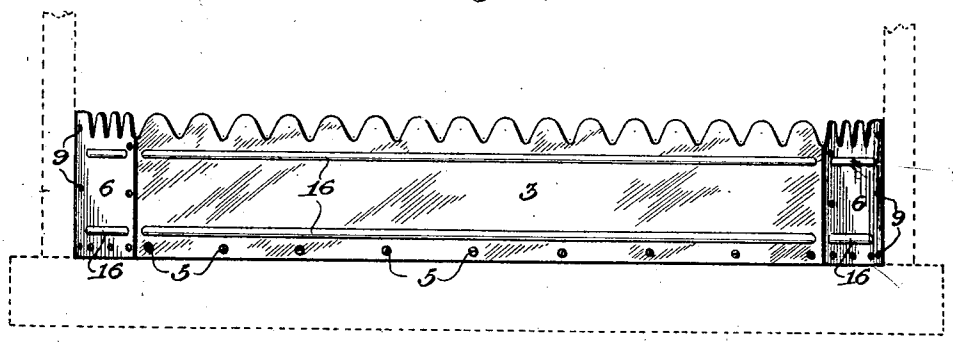


Fig. 2.

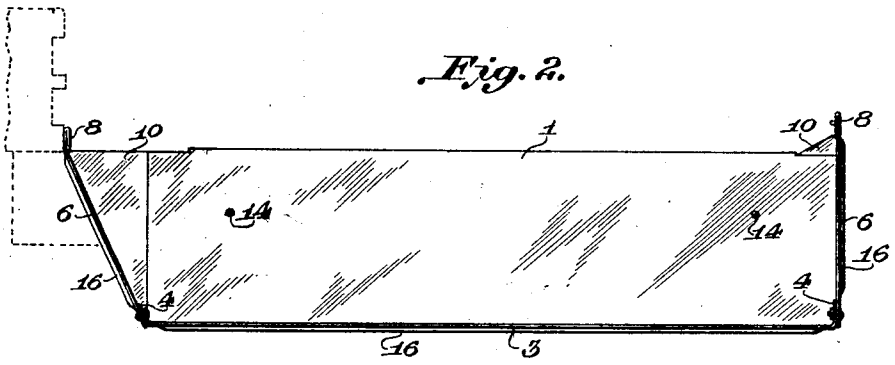
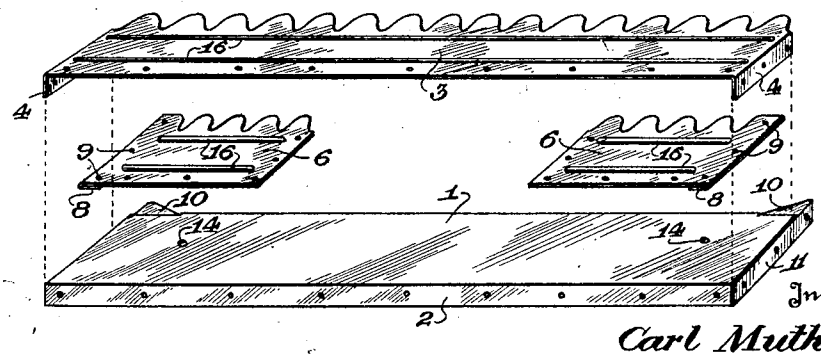


Fig. 6.



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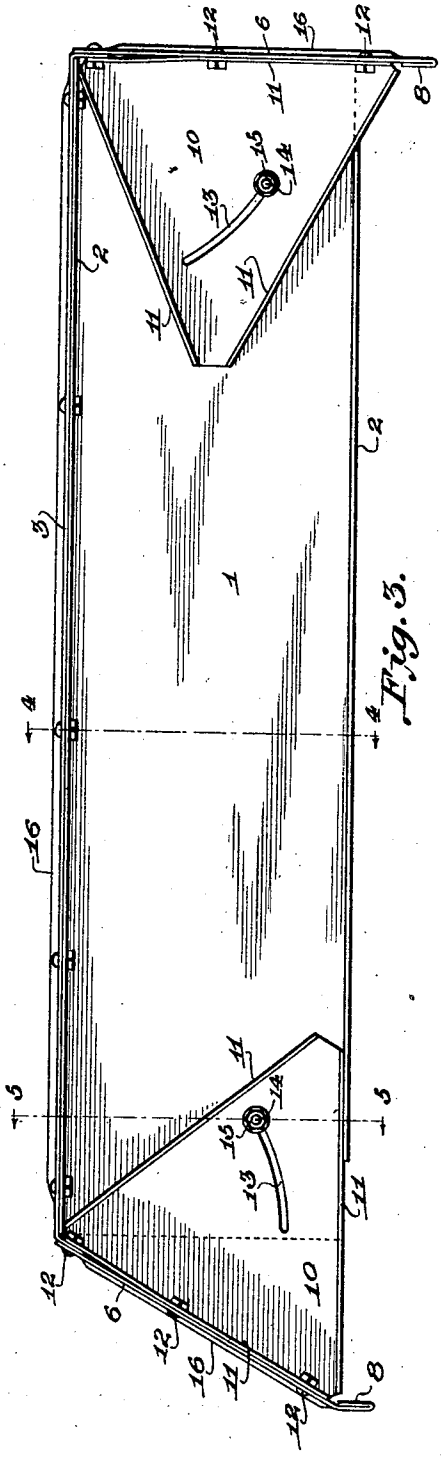


Fig. 3.

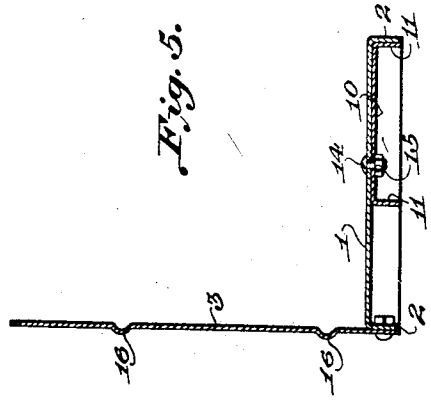


Fig. 5.

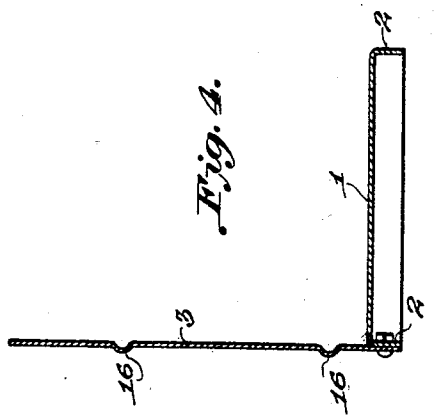


Fig. 4.

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Patented Jan. 3, 1928. 1,654,992

UNITED STATES PATENT OFFICE.

CARL MUTH, OF NEW YORK, N. Y.

WINDOW ATTACHMENT.

Application filed July 26, 1926. Serial No. 125,037.

This invention relates to improvements in window attachments, having for an object to provide a novel and advantageous form of window sill shelf or support especially useful for secure arrangement upon the sill of a window, whereby various objects, as for example, flower boxes, flower pots, window refrigerators, may be conveniently and safely supported thereupon without liability of displacement and falling, the device affording the window sill with an enlarged receiving and supporting area as well as an efficient guard means to prevent displacement or falling of an object therefrom.

It is also an equally important object of the invention to provide a device of the character mentioned which may be conveniently adjusted in length to conform to the length of the sill of a window to which the same is to be secured, whereby the sides of said device will be brought into positions adjacent the window frame sides for facilitating the positive connection thereto and the resultant fixing of the device in position with respect to the window, said sides being firmly braced with respect to the body or base portion of the shelf when so adjusted.

It is also among the aims and objects of the invention to provide a window support or shelf of simple and cheap construction, in which the number of parts are few but of a durable and rugged construction, their relative arrangement and mode of connection being such as to allow of compact arrangement of the same when in disassembled relation, whereby to require but a minimum amount of shipping space, and with assembly, to permit of their arrangement in nested relation, thus minimizing store room space.

Other objects of the invention will be in part obvious and in part pointed out hereinafter.

In order that the invention and its mode of operation may be readily understood by those skilled in the art, I have in the accompanying illustrative drawings and in the detailed following description based thereupon, set out one possible embodiment of the invention.

In these drawings:

Figure 1 is an elevation of my improved window attachment,

Figure 2 is a top plan of the same,

Figure 3 is a bottom plan view of the device,

Figure 4 is a transverse vertical section taken on the line 4—4 of Figure 3,

Figure 5 is a transverse vertical section taken on the line 5—5 of Figure 3, and

Figure 6 is a view in perspective showing how the improved device may be disassembled for shipment.

Having more particular reference to the drawings, in connection with which like characters of reference will designate corresponding parts throughout, it may be stated at the outset that my improved window shelf or support is preferably constructed of sheet metal or other material of corresponding durable and rugged character, the device consisting of a substantially rectangularly shaped base or body portion 1 having downturned flanges 2 formed upon the forward or rearward or opposite side portions thereof, it being noted at this time, that the flange upon the forward side of the base 1 has its ends faced inwardly from the opposite extremities thereof, for a purpose which will be subsequently apparent.

A front wall 3 is provided the construction, being of a length corresponding to the length of the base 1 and having relatively inturned and right angularly disposed flexible flanges 4 formed upon the opposite ends thereof and adapted to be arranged in vertical positions when the lower portion of said front wall is detachably joined to the adjacent portions of the forward flange 2 through the medium of bolts or other suitable fastening devices generally designated at this time by the numeral 5; it being noted at this point that the vertical flexible flanges 4 upon the front wall are arranged to overlap the opposite ends of said forward flange 2.

End walls 6 are provided the shelf and, as will be noted upon reference to the figures of the drawings, these end walls are of a height corresponding to the height of the front wall 3 and are formed of similar material. The respective lengths of these end walls 6, however, are slightly greater than the width of the opposite end portions of the base 1, so that with the connection of the outer end portions of said end walls 6 to the inturned flanges 4 through the medium of bolts 7, the inner extremities thereof will be extended for distances beyond the inner or rearward flange 2 of the base 1. The extended inner end portions of the end walls 6

may be and preferably are braced by turning portions of the same upon themselves to provide a reenforcement 8, while relatively spaced openings 9 are formed through said reenforcement in vertical relation and, obviously, serve to receive fastening devices therethrough whereby the said end walls may be securely connected to the appropriate or desired side portions of a window frame equipped with the invention. That the opposite end walls 6 may be adjusted laterally with respect to the opposite ends of the base 1 and then secured in such adjusted positions as well as being braced with respect to said base, the construction is provided with a pair of extension means or substantially wing-like extension devices of substantially V-shaped formation, designated herein by the numeral 10. These extension means 10 are formed of material corresponding to that from which the base, side and end walls are constructed and as will be noted, the various sides of the same are formed with downturned right angularly disposed flanges generally indicated by the numeral 11, the depth or respective widths of the flanges corresponding to that of the flanges 2 upon the forward and rearward sides of the base 1. The outer straight edged sides of the extension means 10 are of widths slightly greater than the width of the base 1 and of the flanges 11 upon said outer sides, the lower portions of the end walls 6 are detachably secured through the medium of bolts 12, thus effecting a positive jointure as between the lower portions of said end walls and the extension means 10. Furthermore, it should be noted at this time that whereas the widths of the outer straight edge portions of the extension means 10 are slightly greater than the width of the base 1, they are faced inwardly from the inner extremities or ends of the end walls 6, so that the reenforced portions 8 of said end wall are left free for their engagement with the appropriate portions of the opposite sides of an equipped window frame. Also, it will be noted that the flanges 11 upon the inner sides of the extension means 10 are movable by the opposite extremities of the flange 2 upon the rearward or inner side of the base 1, thus permitting of their uninterrupted slidable adjusting movement with respect to the lower face of said base.

To provide the extension means 10 with means for securing the same in adjusted positions with respect to the base 1, arcuate slots 13 are formed in the same and receive the lower portions of adjusting bolts 14 therethrough, said bolts, of course, having been passed through suitable openings in adjacent portions of the base 1 whereupon locking nuts 15 are turned into engagement with their lower extremities. Hence, with sliding adjustment of the extension means 10, such means may be then securely locked in their respective positions by tightening the locking nuts 15 upon their particular adjusting bolts 14.

In adjusting the end walls 6 of the device so that the length thereof will approximately conform to the length of the window sill receiving the same whereby positive connection can be effected as between the inner extremities of said end walls and the adjacent sides of a window frame, it will be understood that such end walls are swung outwardly with respect to the base 1, thus flexing the inturned flanges 4 upon the opposite ends of the front wall 3. During this movement, sliding of the extension means 10 with respect to the lower face of the base 1 will occur and when the limits of such sliding or adjusting movement of the extension means have been reached, the flanges 11 upon the inner sides thereof will come into abutting and substantially parallel relation to the adjacent opposite end portions of the flange 2 upon the rearward or inner portion of the base 1. Thus, the said extension means 10 will be firmly and securely braced within their limits of sliding adjustment, and further, the end walls 6 will be firmly braced with respect to said base 1 and will be prevented from becoming broken away therefrom, due to abnormal strains or stresses.

In using the improved shelf, it will be understood that the same is arranged upon the sill of a window to be equipped therewith. If the length of the shelf, when in its normal position, corresponds to the length of said sill, then the reenforced inner end portions 8 of the end walls 6 are connected to adjacent portions of the sides of the window frame, by screws, bolts or other suitable fastening devices. If however, the length of the base 1 is less than that of the window sill, then the opposite end walls 6 are forced outwardly with respect to each other, having substantially pivotal movement with respect to the opposite ends of the front wall 3 through the medium of the connection between the end walls and the flexible flanges 4. When the end walls 6 have been properly adjusted so that the inner extremities or reenforced portions 8 thereof are adjacent portions of the opposite sides of the window frame, fastening devices are passed through the openings 9 in such reenforced extremities and the shelf is thus firmly secured in position with respect to the equipped window. Subsequently to adjustment of the extension means 10, it of course will be understood that the locking nuts 15 will be tightened upon their respective adjusting bolts 14 so that a positive bracing connection will have been established as between the base 1 and said extension means 10.

Because of the forming of the flanges 2 and 11 upon the base 1 and the extension means 10, it will be understood that these parts will not only be materially reenforced and rendered substantially inflexible to weights or other stresses directed thereonto, but also, that the portions will be supported at points above the equipped window sill, thus serving to lessen liability of premature deterioration of said window sill, in event that the same is of wood or similar perishable construction.

For purposes of ornamentation or finish I may and preferably do scallop the upper portions of the front and end walls of the device and likewise, to reenforce the walls against undue transverse flexing of themselves, channels are pressed therein as indicated by the numeral 16, such channels extending longitudinally throughout the length of their respective walls.

Manifestly, the construction shown is capable of considerable modification, and such modification as is within the scope of my claims, I consider within the spirit of my invention.

I claim:

1. A device of the character described comprising a base, a front wall detachably connected to the forward side of said base and disposed throughout the length thereof, end walls of lengths greater than the width of said base detachably connected to the opposite ends of the front wall, extension means arranged adjacent the opposite end portions of said base having adjustable slidable connection to said base, and the outer sides of said extension means being detachably connected to the adjacent portions of said end walls and spaced inwardly from the respective inner ends of said end walls.

2. A device of the character described comprising a base, having flanged sides, a front wall having flexible flanged ends detachably connected to one of the flanges of said base and disposed throughout the length thereof, the flanged ends being inturned and overlapping the adjacent opposite ends of the base, end walls detachably connected to said inturned front wall flanges, extension means arranged adjacent the lower face and opposite ends of said base having adjustable slidable connection with the base, and the outer sides of said extension means being detachably connected to the inner faces and lower portions of said end walls and spaced inwardly from the respective inner ends of said end walls.

3. A device of the character described comprising a base having flanged sides, a front wall having flexible flanged ends detachably connected to one of the flanges of said base and disposed throughout the length thereof, the flanged ends being inturned and overlapping the adjacent end portions of the base, end walls detachably connected to said inturned front wall flanges, wing-like extensions of substantially V-shaped formation arranged adjacent the lower face and opposite end portions of said base having adjustable sliding connection with the base, the various sides of said extensions having downturned flanges formed thereupon, and those flanges upon the outer sides of said extensions being detachably connected to the inner faces and lower portions of said end walls and spaced inwardly from the respective inner ends of said end walls.

In witness whereof I have hereunto set my hand.

CARL MUTH.