May 20, 1930. A. A. KAMIN 1,759,457

SCREEN SLIDE

Filed Sept. 7, 1928

Fig. 1

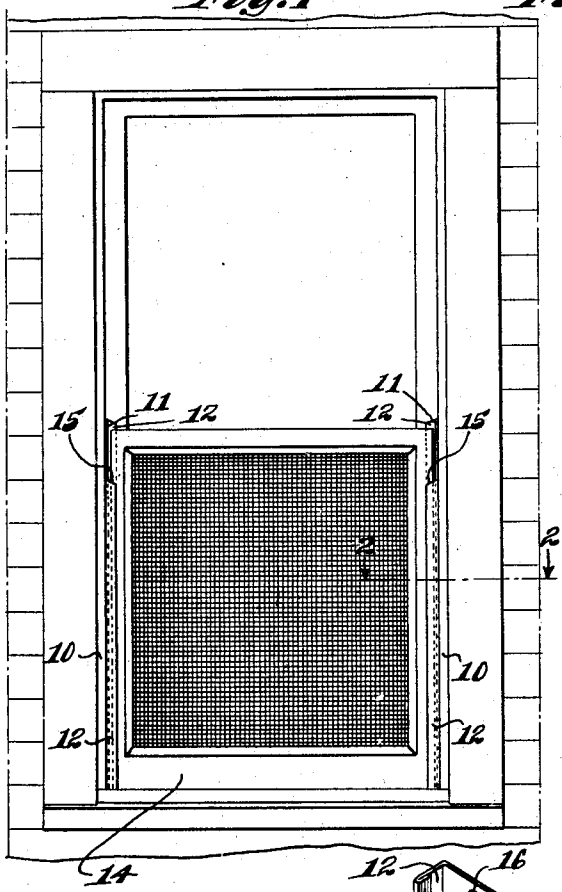


Fig. 3

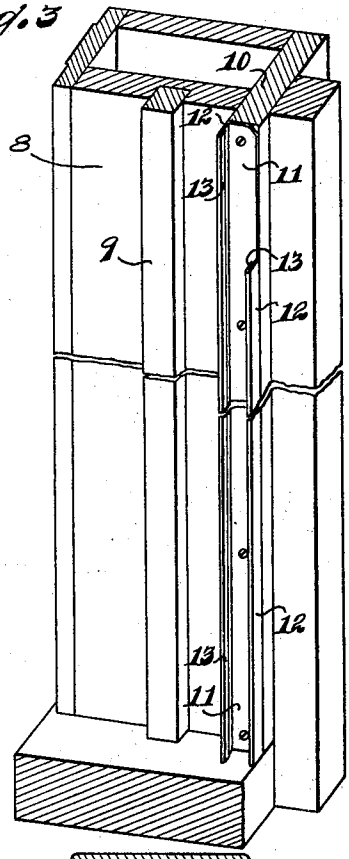
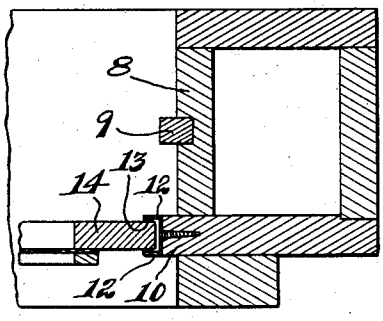


Fig. 4



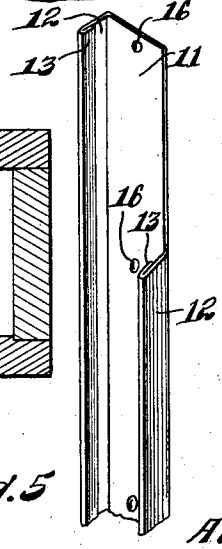


Fig. 5

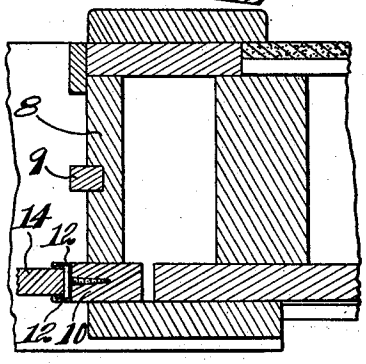


Fig. 2

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UNITED STATES PATENT OFFICE

ALBERT A. KAMIN, OF CHICAGO, ILLINOIS

SCREEN SLIDE

Application filed September 7, 1928. Serial No. 304,402.

This invention relates to an improvement in screen slides, and relates particularly to a metallic screen slide adapted to be attached to the blind stop at each side of a window frame, and an object of the invention is the provision of a metal slide of this nature constructed so as to have no exposed sharp edges, and also provided with improved means for attachment in the form of slight depressions and partial perforations to permit the convenient penetration of small screws or brads.

A further object is the provision of an air space between the engaging sides of the screen slide and the screen adapted to be inserted therein.

Other objects will appear hereinafter.

The present application constitutes a substitute application for applicant's previously filed application Serial No. 120,278, filed July 3, 1926, entitled "Window slide."

The invention consists in the combination and arrangement of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification, in which:

Fig. 1 is a front elevational view of the device of the invention, secured upon each side of a window frame of a type ordinarily used in frame house construction, with a half screen held in place by the slides;

Fig. 2 is an enlarged section taken upon the line 2—2 of Fig. 1;

Fig. 3 is a perspective view of the device of the invention secured to the blind stop of window frame construction such as is ordinarily employed in brick buildings;

Fig. 4 is a sectional view of the construction shown in Fig. 3;

Fig. 5 is a perspective view of the upper portion of the screen slide of the present invention.

The manner of attachment of the slide of the invention is the same whether used in connection with the frame type of window casing or the type used in brick building construction, as in either type the slide is preferably attached to the blind stop which extends vertically upon each side of the casing.

As illustrated in the drawings, a pulley stile 8 is disposed upon the side of the window frame and is provided with the usual parting stop 9. The device of the invention, which is adapted to be attached to the blind stop 10 comprises a rear flat portion 11 and side portions 12 which are preferably bent at right angles to the rear portion 11. For the purpose of avoiding exposed sharp edges, each of the parallel lateral projections 12 is preferably bent upon itself to form a bead 13, and as this bead is preferably inwardly as shown in Fig. 5, an air space is provided at the corner edges of the screen 14 which fits into the slide, and this construction facilitates the evaporation of moisture which accumulates in damp or rainy weather, having the effect of prolonging the life of the wooden screen.

As illustrated in the drawings, the preferred embodiment contemplates use in connection with half screens ordinarily employed, and for this purpose it is but necessary to extend the slides approximately half the distance between the window sill and the head of the window, and also to facilitate insertion and removal of the screens, the outer flange of each slide is preferably cut away adjacent the top as shown at 15 for a short distance and at the base of the cut-away portion the outer flange is also preferably inclined downwardly.

The slides of the invention may be composed of any suitable metal or metal alloy, and greater durability may be obtained by using non-ferric materials such as copper or bronze. As an aid to convenient attachment, the rear portion 11 of each slide is provided at suitably spaced intervals, preferably, five or six inches apart, with an indentation 16 which partly perforates the metal so as to permit ready penetration of the brad or screw in attaching the slide upon the window frame.

The channel shaped cross sectional construction of the slide enables it to be used in connection with screens which may have been grooved along the edges to accommodate the older types of retaining means, although as new screens are substituted they may be supplied with flat edges, which affords a less expensive construction. The slides of

the invention are economical to manufacture, durable in use, and extremely convenient to attach. Further, the bead provided upon the inner side of each slide flange acts as a reinforcement of the edge portion and also adds to the ease with which the screen may be inserted or withdrawn. Also, the provision of an air space permits relatively rapid evaporation of moisture that usually accumulates along the screen edges in damp or rainy weather. After attachment, the slides constitute a permanent part of the window frames and are of relatively small dimension whereby they are inconspicuous when the screens are removed.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, it is capable of variation and modification without departing from the spirit of the invention. Therefore, I do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A screen slide adapted to be attached to the blind stop of a window frame for engaging the edge of a screen, comprising a channel shaped member having a flat portion adapted to be disposed against said blind stop, and two parallel lateral side flange portions, each of said flange portions being bent inwardly upon itself for a short distance, said entire channel shaped member adapted to extend substantially half the distance from the window sill to the window head, and the upper portion of one of said side flange portions being cut away at the upper end thereof to facilitate insertion and removal of a screen, substantially as described.

2. A screen slide adapted to be attached to the blind stop of a window frame for engaging the edge of a screen, comprising a channel shaped member having a flat portion adapted to be disposed against said blind stop, and two parallel lateral side flange portions, each of said flange portions being bent inwardly upon itself for a short distance, said entire channel shaped member adapted to extend substantially half the distance from the window sill to the window head, and the upper portion of one of said side flange portions being cut away at the upper end thereof to facilitate insertion and removal of a screen, said flat portion provided with a plurality of spaced indentations for the reception of fastening elements, substantially as described.

In testimony whereof I have signed my name to this specification.

ALBERT A. KAMIN.