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COMBINATION WINDOW GUARD AND BOX

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This invention relates to a combination window box and guard, adjustable to fit windows of various sizes.

An object of this invention is to provide a device of the character described, having an adjustable platform on which articles may be placed and provided with an adjustable protective guard rail at the front and sides of the device. Yet another object of this invention is to provide a strong, rugged and durable combination device of the character described, which shall be relatively inexpensive to manufacture, easy to assemble and adjust, and which shall yet be practical and efficient to a high degree in use.

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

The invention accordingly consists in the features of construction, combinations of elements, and arrangement of parts which will be exemplified in the construction hereinafter described, and of which the scope of application will be indicated in the following claims.

In the accompanying drawings, in which is shown one of the various possible illustrative embodiments of this invention,

Fig. 1 is a perspective view of a device embodying the invention mounted on a window;

Fig. 2 is a vertical, longitudinal, cross-sectional view of the improved device;

Fig. 3 is a vertical, transverse, cross-sectional view thereof;

Fig. 3a is a partial, top plan view of one end of the guard;

Fig. 4 is a cross-sectional view taken on line 4—4 of Fig. 2;

Fig. 5 is a partial, cross-sectional view taken on line 5—5 of Fig. 2;

Fig. 6 is a vertical view taken on line 6—6 of Fig. 3; and

Fig. 7 is a cross-sectional view of a portion of the guard rail illustrating a modified construction.

Referring now in detail to the drawings, 10 designates a combination window guard and box, embodying the invention, attached to a window frame 11. Said device is made of two parts 12 and 14 slidable, one with respect to the other, to adjust the length of the device to fit window frames of various widths.

Part 12 comprises a flat, horizontal plate 15 made of sheet metal. Said plate is of generally rectangular shape but having a rear corner cut away, as at 16, forming edges 17 and 18. Said plate 15 has an integral upwardly extending front wall or flange 19, an upwardly extending end wall or flange 20 at the cut away end, and an upwardly extending rear wall or flange 21. Walls 19, 20 and 21 are of the same height, preferably one or two inches.

Fixed to the plate 15 is an L-shaped strip 22 having a horizontal portion 23 contacting the underside of the plate and disposed parallel to and adjacent the wall 20, and riveted thereto, as at 24. Extending upwardly from the portion 23 is a vertical portion 25 contacting the outer surface of flange or wall 19 and extending thereabove.

Fixed to the outer end of the wall 19, as by rivet 26 is a strip 27, having a portion 28 disposed in a plane perpendicular to the plane of said wall, being twisted with respect to the lower portion of said strip just above said wall. Said portion 28 of a strip 27 is formed with three vertically aligned spaced slots 29, for the purpose hereinafter appearing.

Attached to the inner surface of wall 20 are a pair of vertical, parallel, spaced, flat, elongated strips 30, extending to the same height as portion 25 of member 22. Fixed to the strips 30 and the portions 25 and 28 of members 25 and 27, respectively, are a plurality of similar, parallel, spaced L-shaped guard rails 32 made of strip metal. Each guard rail has a portion 33, parallel to and disposed substantially above the wall 19, a portion 34 parallel to and disposed above wall 20, and a foot portion 35, disposed parallel to and substantially above the edge 17 of plate 15. The rail members 22 are riveted, as at 36, to the upper ends and to intermediate portions of strips 30 and portion 25 of member 22. The outer ends 37 of portion 33 extend through aligned openings in portion 28 of member 27, being riveted thereto, as illustrated in Fig. 5 of the drawings.

It will be noted that the strips 30 and portion 25 of member 22, are disposed on the inside of the rail members. The foot portions 33 are provided with openings to receive screws or the like fastening means for attaching the device to the window frame, as will be explained hereinafter.

The wall 21 is formed with a plurality of equally spaced openings 41 to receive screws, nails or other fastening devices 42, for the purpose hereinafter appearing.

Member 44 is substantially similar to member 12, and symmetrically disposed with respect thereto, whereby device 10 is extensible to accommodate windows of various sizes.

Member 14 comprises a bottom plate 16a, resting on plate 15, and cut away at an opposite
edge corner, as at 15a, forming edges 17a and 18a. Extending upwardly from the bottom plate 18a is a rear wall 19a, contacting the inner surface of wall 19. At the rear of plate 18a is an upwardly extending wall 21a, contacting the inner surface of rear wall 21. At the outer end of plate 18a is an upwardly extending wall 20a, parallel to wall 20. Walls 19a, 21a and 20a are of the same height as walls 19, 21 and 20.

10. Fixed to the plate 15a is an L-shaped member 22a, having a horizontal portion 23a, riveted as at 24a, to the underside of said plate. Extending upwardly from said portion 23a is a vertical portion 25a of the same height as portion 25 of member 22.

15. Fixed to the inner surface of wall 19a, as by rivet 26a, is a member 27a having a wall 28a disposed perpendicular to the wall 19a, and hence parallel to portion 28 of member 27. Said portion 28a is formed with a plurality of vertically aligned slots 29a, slidably receiving the portions 33 of the guard rails 32. Fixed to the inner surface of wall 28a are a pair of upwardly extending slots 30a, similar in height to the strips 33.

25. Fixed to the upper ends and to intermediate portions of strips 32 and portions 25a and 28a of members 22a and 27a, respectively, are three parallel aligned guard rail members 32a. Each member 32a comprises a portion 33a, overlapping portion 35 of member 22 and passing through one of the slots 29. The outer ends of said portion 32a are riveted, as at 37a, to portion 25a of member 27a.

Extending from portion 35a of each member 32a, is a portion 36a, disposed parallel and above the wall 28a, and extending from each portion 36a is a foot portion 35a, disposed parallel and above the edge 17a of plate 15a and aligned with foot portions 35. The rail members 32a are fixed to the strips 28a and portions 25a of member 22a by rivets 29a. Said foot portions 35a are formed with one or more openings to receive screws or other fastening devices 40a, for attaching the member 13 to a window frame. The wall 21 is provided with a plurality of equally spaced openings 41a adapted to register with the openings 41.

It will now be understood that by sidely moving the parts 12 and 14 relative to one another, the different sets of openings 41, 41a are brought into registration as the width of member 10 is varied to accommodate windows of various widths. Screws 42 passing through said registered openings fix parts 12, 14 together in adjusted positions. In attaching the device 10 to a window, the foot portions 35, 35a contact the outer surface of the frame, and the portion of the plates 15, 16a between the edges 18, 18a extends between the side portions of the window frame.

It will now be understood that the platform, while adjustable, remains flat. The lower ends of members 27 and 22 keep the plates 15 and 16a in substantial contact. Various articles may be put on the platform formed by the plates 15 and 16a, being retained thereon by the walls 19, 20, 21, 18a, 20a and 21a, as well as by the guard rails.

It will now be understood that the device 10 also serves as a window guard to protect against children falling out of the window. The rails do not materially obstruct view from the window and yet serve as protective guards for articles placed on the platform, or against children falling out of the window. The device is easily extensible to various positions and may be readily attached to the window in adjusted positions. The fastening devices 40 and 40a amply serve to strongly anchor the device 10 to the window frame.

In Fig. 7 there is illustrated a modified form of guard that may be used with either a top opening or mutually contacting portion 39 and 41 of the guard rails may be formed with spaced openings 50a and 51a, respectively, to receive attaching bolts 53 for fastening the guard rails together in various adjusting positions.

It will thus be seen that there is provided a device in which the several objects of this invention are achieved, and which is well adapted to meet the conditions of practical use.

As various possible embodiments might be made of the above invention, and as various changes might be made in the embodiments above set forth, it is to be understood that all matter herein set forth or shown in the accompanying drawings is to be interpreted as illustrative and not in a limiting sense.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:
1. A combination window guard and box comprising a pair of extensible parts, one part having a bottom plate, a member extending upwardly from the front of said bottom plate and formed with a plurality of openings, a member extending upwardly from one end of said bottom plate, a plurality of L-shaped horizontal rails, each having a portion aligned with the front of said plate, and a portion aligned with the end of said plate, said rails being fixed to said upwardly extending members, said other part having a bottom plate mounted on said first bottom plate, a member fixed to the front of said second bottom plate and extending upwardly therefrom and formed with openings slidably receiving the first portions of said rails, a member fixed to and extending upwardly from the end of the bottom plate of said second part, and a plurality of L-shaped, horizontal rails fixed to the upwardly extending portions of said second part and each having a portion aligned with the end of the bottom plate of the second part, and a portion aligned with the front of the bottom plate of the first part, said last portions being housed in the openings in the first upwardly extending member of said first part, and means for attaching said parts to a window frame.
2. A device of the character described, comprising a plate, a pair of extensible parts, one part having a bottom plate provided with an upwardly extending rear wall, an upwardly extending front wall, and an upwardly extending end wall, a pair of vertical members attached to the front wall and extending upwardly therefrom, one of said members being formed with a plurality of vertically aligned slots, a pair of vertical members attached to the side wall and extending upwardly therefrom, a plurality of guard rails fixed to said vertical members and each having a portion substantially aligned with the front of the device, and a pair of vertical members substantially aligned with said end wall, said other part comprising a bottom plate contacting the top surface of the first bottom plate, and provided with a rear wall contacting the inner surface of said first rear wall, and a front wall contacting the inner surface of said first wall and an end wall, parallel to said first end wall, a pair of members fixed to and extending upwardly from the front wall of said second part, one of said members being formed with a plurality of vertically aligned slots slidably receiving the first mentioned portions of the guard rails, a pair of vertical members extending upwardly and...
fixed to the end wall of said second part, a plurality of guard rails fixed to the upwardly extending members of said second part, and having portions aligned with the front wall of said second part and extending through the slots in the slotted member of said first part, portions aligned with the end wall of said second part, and means for attaching said device to a window frame.

3. A device of the character described, comprising a pair of extensible parts, one part having a bottom plate provided with an upwardly extending rear wall, an upwardly extending front wall, and an upwardly extending end wall, a pair of vertical members attached to the front wall and extending upwardly therefrom, one of said members being formed with a plurality of vertically aligned slots, a pair of vertical members attached to the side wall and extending upwardly therefrom, a plurality of guard rails fixed to said vertical members and each having a portion substantially aligned with the front wall, and a portion substantially aligned with said end wall, said other part comprising a bottom plate contacting the top surface of the first bottom plate, and provided with a rear wall contacting the inner surface of said first rear wall, and a front wall contacting the inner surface of said first front wall and an end wall, parallel to said first end wall, a pair of members fixed to and extending upwardly from the front wall of said second part, one of said members being formed with a plurality of vertically aligned slots slidably receiving the first mentioned portions of the guard rails, a pair of vertical members extending upwardly and fixed to the end wall of said second part, a plurality of guard rails fixed to the upwardly extending members of said second part, and having portions aligned with the front wall of said second part and extending through the slots in the slotted member of said first part, and portions aligned with the end wall of said second part, the portions of said guard rails aligned with the end walls of said bottom plates having inwardly extending feet formed with openings to receive fastening means for attaching said device to a window frame.

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