May 31, 1932. D. KEES 1,860,780

DOOR GUARD

Filed July 7, 1930

Fig. 1.

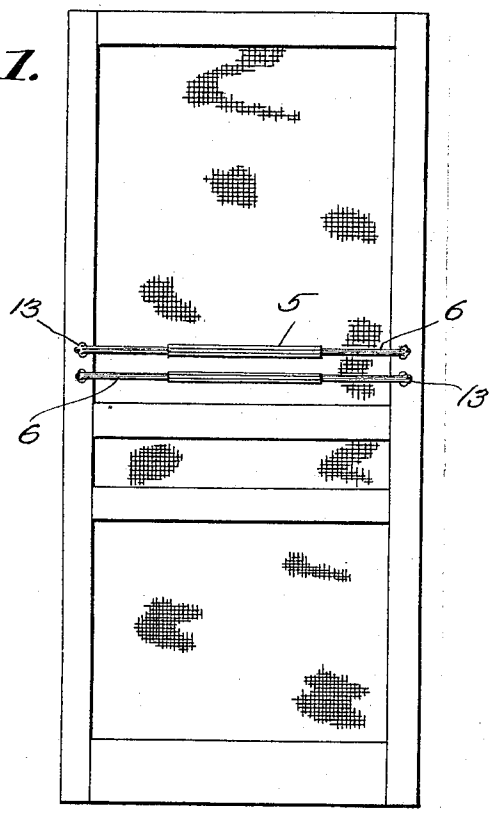


Fig. 2.

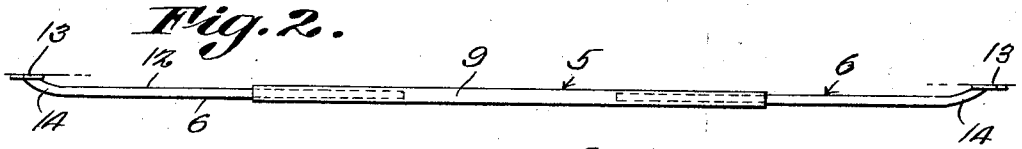


Fig. 3.

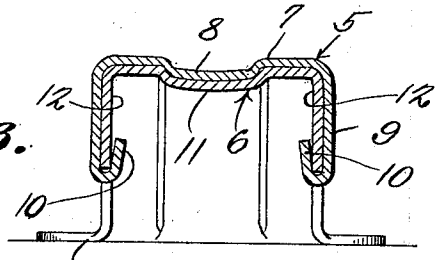


Fig. 7.



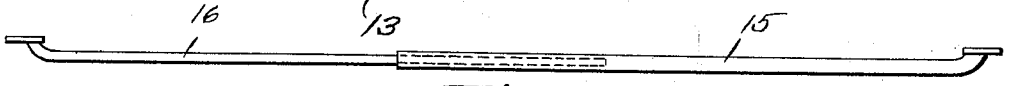


Fig. 4.

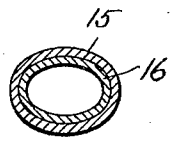


Fig. 5.

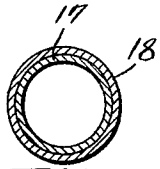


Fig. 6.

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Patented May 31, 1932 1,860,780

UNITED STATES PATENT OFFICE

DANIEL KEES, OF BEATRICE, NEBRASKA, ASSIGNOR TO F. D. KEES MANUFACTURING CO. INC., OF BEATRICE, NEBRASKA

DOOR GUARD

Application filed July 7, 1930. Serial No. 466,315.

The present invention relates to a guard especially designed for use on doors of various types, windows or the like, and aims to provide novel means which may be readily and easily secured in position by persons unfamiliar with mechanics so that a person may grip or push against the guard on opening or closing the door, thereby protecting the wire mesh or material of the door.

An important object of the invention is to provide a guard of this character embodying telescoping sections, whereby the guard may be adjusted to various lengths to adapt it for use in connection with door or window frames of various widths.

A still further object of the invention is the provision of a guard which may be stamped from sheet metal, the sheet metal being so constructed that it will be exceptionally rigid and will not bend under ordinary service.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawings:

Figure 1 is an elevational view showing a guard bar constructed in accordance with the invention as positioned on a door.

Figure 2 is a plan view of the bar.

Figure 3 is a sectional view through the sections thereof.

Figure 4 is a plan view of a bar including two sections.

Figure 5 is a sectional view illustrating elliptical tubular sections presenting a wide gripping surface.

Figure 6 is a sectional view through telescoping tubular sections.

Figure 7 is a sectional view through a modified form of the invention.

Referring to the drawings in detail, the guard bar includes a central section 5 and adjustable sections 6 that are positioned in the ends of the section 5, as clearly shown by Figure 2 of the drawings. The section 5 is formed of sheet metal material and is constructed to define a longitudinal rib 8 which is substantially wide, and lateral flanges 9 formed with inturned edges 10.

The end sections 6, are also constructed of sheet metal material and are stamped in such a way as to provide a central longitudinal offset portion 11 and lateral flanges 12 arranged in parallel spaced relation with each other.

At the outer ends of these sections 6 are feet 13 which are substantially flat and formed with apertures to receive securing screws whereby the bar may be secured to a door or window, as shown by Figure 1. In order that the bar will be slightly spaced from the wire mesh material of which the door is formed, the ends of the sections 6 are curved inwardly as at 14.

As shown by Figure 3 of the drawings, the end sections 6 are slid into the central section 5, the edges of the flanges 12 engaging within the spaces formed between the flanges 9 and inturned ends 10, the offset portions 11 accommodating the rib 8 of the central section 5 with the result that the end sections will be held securely in position but permitted to slide or telescope so that the bar may be adjusted for use.

In the form of the invention as shown by Figure 4 of the drawings, tubular sections 15 and 16 are provided, which sections are substantially elliptical in cross section, as shown by Figure 5 of the drawings, presenting a substantially wide gripping surface.

As shown by Figure 6, the tubular sections which are indicated at 17 and 18 respectively, are substantially circular in cross section.

In Figure 7 the telescoping sections 19 and 20 of the guard are broken elliptical in formation to reduce the cost of manufacture of the guard sections, to the minimum.

I claim:

A guard bar comprising a central section and telescoping end sections, said sections being constructed of sheet metal material, parallel longitudinal flanges forming a part of the end sections, parallel longitudinal

flanges formed on the central section, the central section being fitted over the end sections, portions of the flanges of the central section extending inwardly and upwardly defining grooves, the longitudinal edges of the flanges of the end sections being fitted in the grooves of the flanges of the central section, said end sections having longitudinal offset portions formed in their outer surfaces, said central section having a longitudinal rib fitted in the offset portions of the end sections to secure the sections against twisting with respect to each other, and means for securing the guard to a supporting surface.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

DANIEL KEES.