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CLIP FOR GRATINGS

Filed Aug. 11, 1926

Fig. 1.

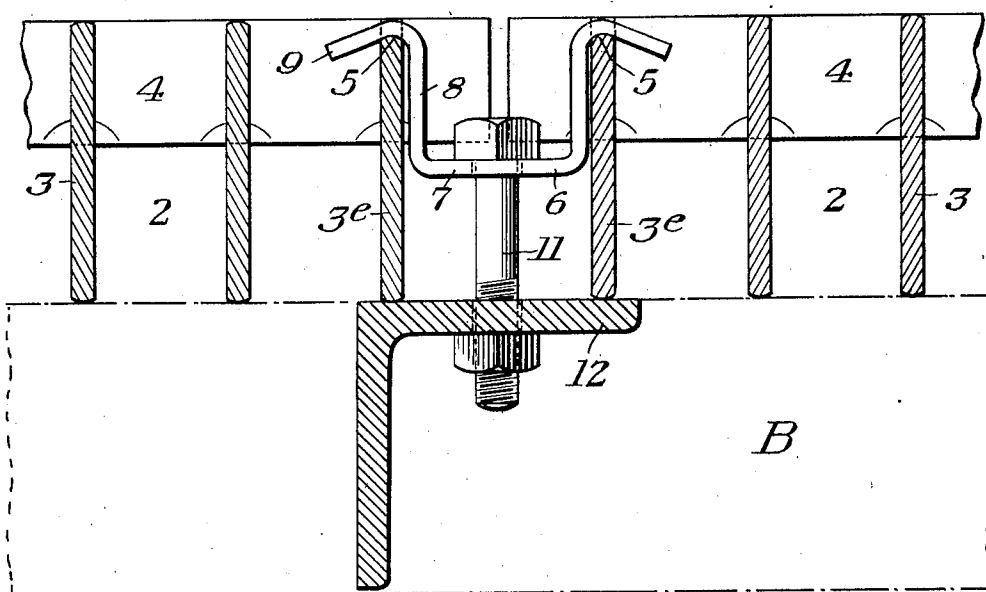
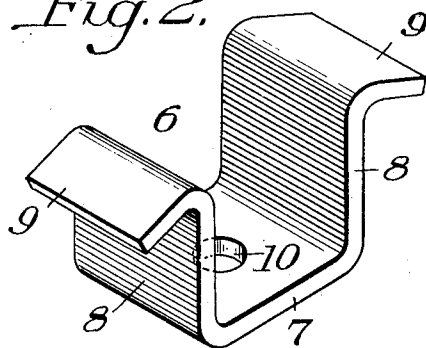


Fig. 2.



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CLIP FOR GRATINGS.

Application filed August 11, 1926. Serial No. 128,587.

This invention relates to clips for gratings and provides a simple and effective device whereby one or more gratings may be rigidly secured to a base or foundation.

In the accompanying drawings, which illustrate the present preferred form of my invention,—

Figure 1 is a vertical section through a pair of gratings showing my improved clip as applied thereto; and

Figure 2 is a perspective drawing of the clip alone.

In the illustrated embodiment of the invention I have shown two grating structures, each indicated generally by the reference character 2 and comprising girder bars 3 and cross bars 4.

The gratings which are illustrated are shown merely by way of example and correspond to the gratings described and claimed in my copending application, Serial No. 84,311, filed January 28, 1926.

The girder bars 3 are shown as resting on a base B, and it is desired to hold these gratings in such manner as to not only prevent their removal, but also to hold them in fixed relation at all times. It is also desired that the holding means employed shall not project above the surface of the grating, where it would constitute an obstruction and might in time become worn out by trucking over its surface. I therefore provide recesses 5 in the edge girder bars 3 of each of the gratings, and place a clip 6 between the girder bars lying within the slots 5.

The construction of the clip is best shown in Figure 2. It consists of a metal strip so bent as to provide a central attaching portion 7 with vertically extending side portions 8 and outwardly and downwardly extending wings 9 adapted to engage the grating bars. The slot 5 is preferably of the same width as the clip so as to prevent any longitudinal displacement of the gratings. A hole 10 is provided in the attach-

ment portion 7 to accommodate a bolt or rivet for holding the clip in place.

Referring again to Figure 1, it will be seen that the vertically extending portions 8 are effective for properly spacing the gratings 2, while the portions 9 securely hold them down. The fact that the portions 9 extend not only outwardly but also downwardly removes any possibility of the corners of the clips doing any damage of any kind. This arrangement also provides a better engagement between the clip and the grating bars.

In Figure 1 I have shown a bolt 11 extending through an angle bar 12 for holding the clip in place.

It will be understood that the clip may be used between adjacent bars of the same grating for holding it in place, and furthermore, that it is not necessarily used in connection with slots in the grating bars. The fact that the main body of the clip is of substantially the same width as the space between the girder bars which it is desired to engage, together with the general shape of the wings 9, effectually prevents rotation of the clip and provides a strong and at the same time inexpensive structure.

I have illustrated and described a preferred form of the invention. It is not limited to such form, however, as it may be otherwise embodied within the scope of the following claim.

I claim:

A grating structure comprising a grating having a pair of spaced apart bars each with recesses formed in their top surfaces, a clip lying below said top and having oppositely extending wings lying in the recesses, and a draw bolt extending through the clip for holding the wings against the bottoms of the recesses.

In testimony whereof I have hereunto set my hand.

HARRY NAGIN.