

May 22, 1928.

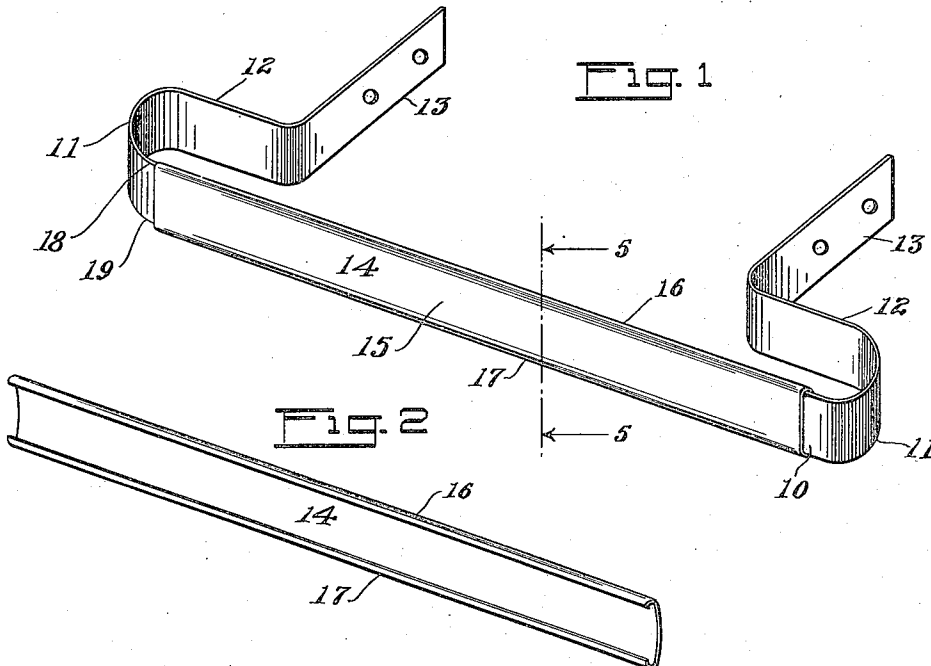
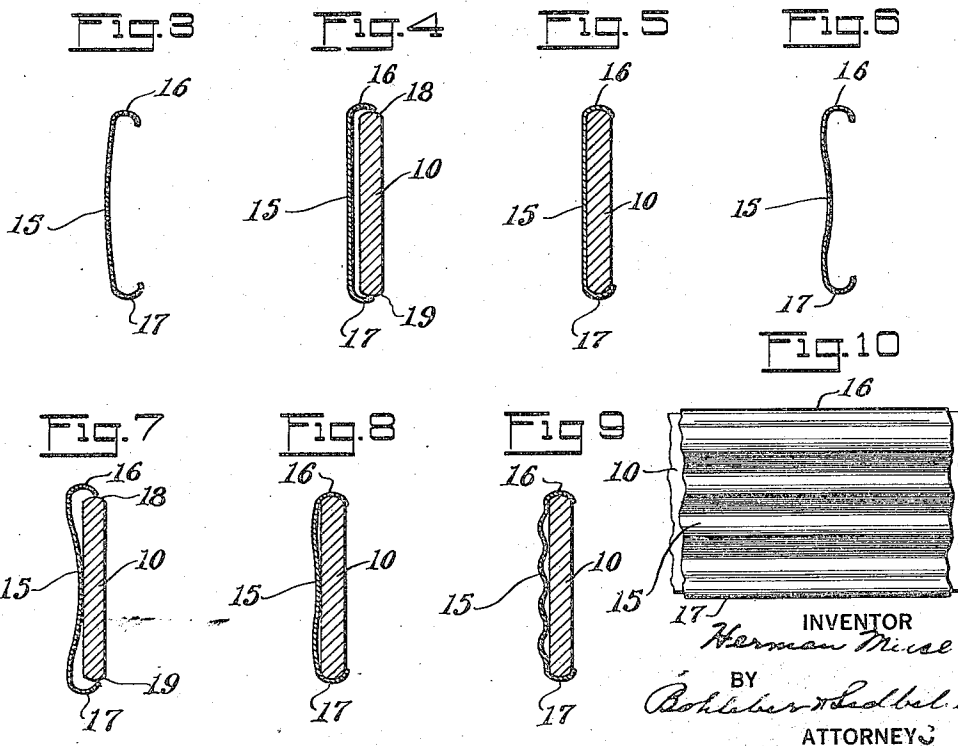
1,670,737

H. MUSER

BUMPER COVER

Filed Nov. 2, 1925

2 Sheets-Sheet 1



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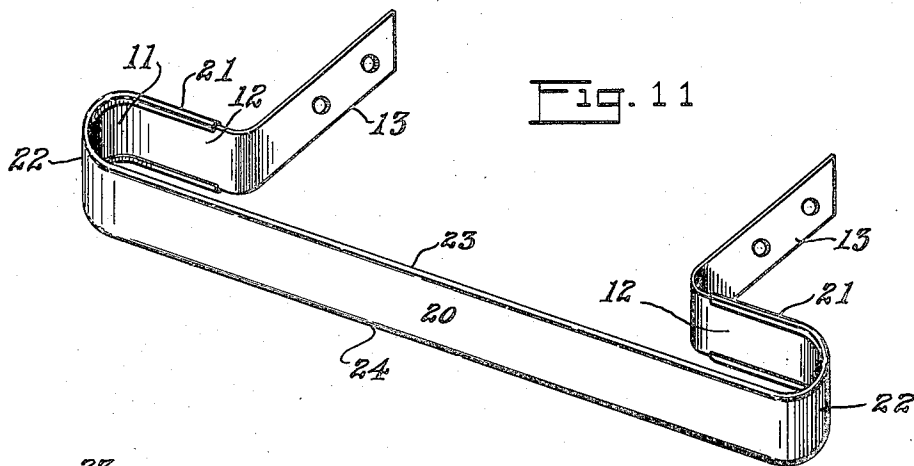
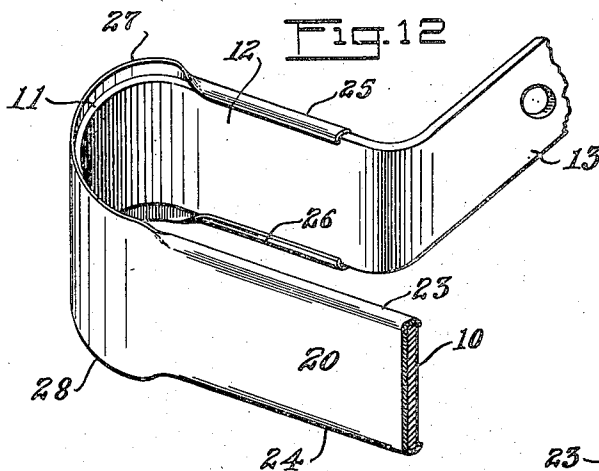
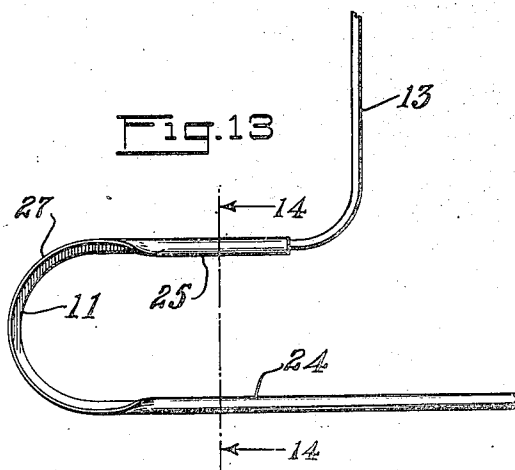
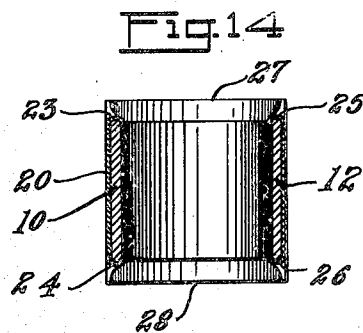
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BUMPER COVER

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2 Sheets-Sheet 2



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BUMPER COVER.

Application filed November 2, 1925. Serial No. 66,181.

My invention relates to a bumper cover preferably made of sheet metal such as nickel-silver. One of the more important objects of the invention is to produce a metal covering for bumpers which can be manufactured and sold as a separate article to be attached to and detached from any and all portions of a bumper bar without the use of bolts, screws, or other separate parts for that purpose. My invention can be used not only with straight bumper bars but also with bumpers having looped ends or other irregularities.

In the manufacture of bumpers it is now the universal practice to plate the same, as by the electrolytic process, to give them a finished appearance. This plating not only becomes tarnished but is easily damaged and removed. It is therefore a further object of my invention to provide a means which will always have a permanent finish and which can be removed at any time and another substituted therefor.

Another important feature of my invention is providing a cover of resilient material and also with longitudinal edges rolled or curled over so as to snap over and engage with the longitudinal top and bottom edges of a bumper bar and thus be held detachably but securely thereon without the aid of separate parts. To this end the cover is either convex or concave in cross-section and the rolled over edges are not only slightly yielding to enable the cover to be snapped into position but the body portion, which is normally bowed in one direction or the other, yields rather substantially about its longitudinal axis to enable the rolled over edges thereof to be firmly held in position on the bumper bar when snapped into position thereon.

Another of the more important features of my invention consists in manufacturing a cover for bumper bar which not only covers the front longitudinal portion of the bumper bar but also the looped or other irregular ends thereof. To this end the covering is provided along the front longitudinal portion thereof with crimped or turned over edges, as above described, to fit the top and bottom edges of the longitudinal portion of

the bumper bar, and also provided with parallel portions similarly constructed with turned over edges to engage the top and bottom edges of the rear portions of the loop, that is, the portions which are parallel to the front longitudinal portion of the bar. Between each rear portion of the cover and the front thereof the said cover is normally provided with a flat portion adapted to be bent around and subsequently crimped over the looped portions of the bumper bar.

Further objects, features and advantages of my invention will more fully hereinafter appear from the detailed description below taken in connection with the accompanying drawings in which:

Fig. 1 shows a conventional form of a bumper having a cover made in accordance with my invention attached to the front longitudinal portion thereof.

Fig. 2 shows a perspective view of my invention as illustrated in Fig. 1, the same being detached from the bumper bar.

Fig. 3 shows a cross section of the preferred form of the invention in which the cover in cross section is normally flexed or bowed outwardly.

Fig. 4 shows the cover partially assembled on the bumper bar; that is to say, the rolled or turned over edges of the cover are in position ready to snap over and engage the longitudinal top and bottom edges of the bumper bar.

Fig. 5 shows the cover assembled in position.

Figs. 6, 7 and 8 show the cover member flexed, bowed, or bent in the opposite direction to serve the same purpose. These figures correspond respectively to Figs. 3, 4 and 5.

Fig. 9 shows a cross section of a further modified form of my invention assembled on the bumper bar.

Fig. 10 shows a front view in assembled position of the cover illustrated in Fig. 9, the shaded portions of which are to indicate certain ornamentation which improves the appearance and attractiveness of the cover.

Fig. 11 shows a form of my invention capable of being used to cover also the looped ends of a bumper bar.

Fig. 12 is a perspective view on an enlarged scale of one of the looped ends of the bumper bar with my invention attached thereto just prior to the crimping over of that portion of the cover which is adapted to engage the bend of the looped end of the bumper bar.

Fig. 13 is a top plan view of Fig. 12.

Fig. 14 is a section taken on the line 14—14 of Fig. 13.

Referring to the drawings in detail the reference numeral 10 designates the longitudinal portion of a conventional form of a bumper bar, reference numeral 11 the looped ends thereof, the reference numeral 12 the rear portions which are normally parallel to the front portion 10, and the reference numeral 13 the rearwardly extending attaching portions of the bar. The construction of the bumper bar as illustrated and just described is old and well known and constitutes no part of my present invention. The reference numeral 14 designates the cover which constitutes the subject matter of this application. It comprises the longitudinal body portion 15 and rolled over or curled top and bottom engaging edges 16 and 17. These rolled or turned over portions engage respectively with the longitudinal top and bottom edges 18 and 19 of the bumper bar.

This cover may be made of any suitable material but is preferably made of metal, such as nickel-silver. It is also made of material which is yielding or has some resiliency so as to enable the turned over edges 16 and 17 to snap over and engage the longitudinal edges 18 and 19 of the bumper bar. Normally the cover is preferably oval in cross section as shown in Fig. 3 so that when the edges 16 and 17 thereof are snapped over the edges 18 and 19 of the bumper bar the cover will be held in rigid relation with the bumper bar and will not rattle or chatter thereon. Being made of yielding material the cover bends about its longitudinal axis for the purpose just stated. There may also be a slight resiliency in the turned over edges of the cover to facilitate the assembling and disassembling of the cover on and from the bumper bar. The method of assembling the cover is clearly illustrated in Figs. 4, 5, 7 and 8.

In Figs. 1 and 2 the strip made in accordance with my invention is adapted to cover only the longitudinal front portion 10 of the bumper bar.

In Figs. 11 to 14 both inclusive I have illustrated a modified form of the cover which not only covers the longitudinal front portion 10 but also the rear portions 11 and 12 of the bumper. This modified form comprises a front portion 20, rear portions 21, and the bent portions 22. The form of cover just described is manufactured in a straight piece having the crimped edges 23 and 24

on the front portion, and the crimped edges 25 and 26 on the rear portions thereof. In assembling this on a bumper bar the portion 20 is first snapped over a longitudinal portion of the bumper bar. The ends are then bent around the looped ends of the bumper bar and the rolled over edges 25 and 26 are caused to engage the portions 12 of the bumper bar. The portions 22, having the edges 27 and 28 (see Fig. 12) in a plane therewith, are then crimped over the looped ends so that the cover changes its appearance from that indicated in Fig. 12 to that shown in Fig. 11. The crimping or fashioning of the edges 27 and 28 over the looped ends of the bumper bar may be done by any suitable means.

A very desirable modification of my invention is illustrated in Figs. 9 and 10 in which the body portion of the cover is corrugated in cross section. This very materially increases the resiliency of the cover. Furthermore, this construction is capable of receiving suitable ornamentations such as paints or enamels of contrasting colors, one color, for instance, being applied or imparted to the depressions and another color to the elevations of the corrugated surface. It is to be understood that in the manufacture of the cover the longitudinal top and bottom edges thereof are rolled and shaped to the form clearly illustrated in Figs. 2 and 3.

I have illustrated and described what I now consider to be the preferred form of my invention and it is to be expressly understood that I do not limit myself thereto as many changes may be made in points of detail and other embodiments resorted to without deviating from the true spirit and scope of my invention as defined by the annexed claims.

What I claim is:

1. A cover for bumper bars comprising a body portion, and rolled over top and bottom edge portions which are adapted to engage with and fit the longitudinal top and bottom edges of a bumper bar, said rolled over edges being slightly yielding to enable the cover to be snapped in position and said body portion being normally bowed in one direction or the other and yielding about its longitudinal axis to enable the rolled over top and bottom edges to be firmly held in position on the bumper bar when the said edges of the cover are snapped into position thereon.

2. A cover for bumper bars and the looped ends thereof, comprising a resilient strip of material normally flexed across its longitudinal length and provided with longitudinal top and bottom edges which are crimped or curled and adapted to snap over and fit the longitudinal top and bottom edges of the bumper bar and the looped ends thereof and to be held resiliently thereon.

3. The process of covering a bumper bar having looped ends which consists in rolling or turning over the top and bottom edges of a suitable strip of material corresponding to the longitudinal length of the front and rear portions of the bumper bar, snapping said strip over the front portion of the bumper bar, bending the strip around the looped end, snapping the strip over the rear portions of the bar, and then crimping the edges of said material over the looped ends. 10

In testimony whereof, I have hereunto set my hand this 31st day of October, 1925.

HERMAN MUSER.