June 5, 1928. 1,672,171

L. C. REIS

SIGN FASTENING DEVICE

Filed Oct. 18, 1926

Fig. 1.

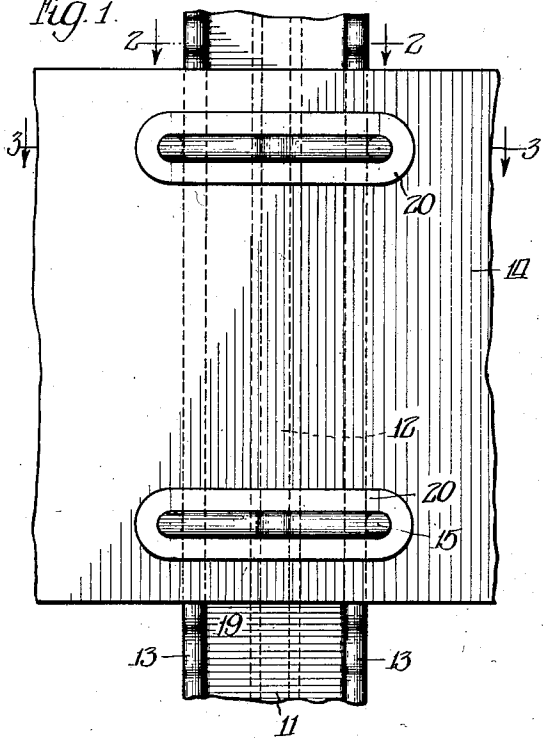


Fig. 2.

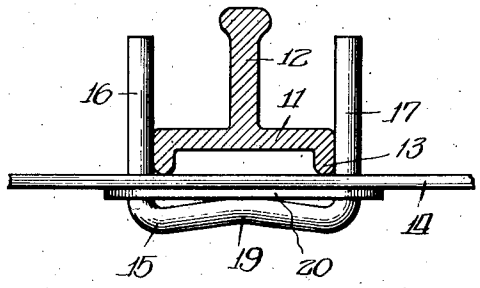


Fig. 4.

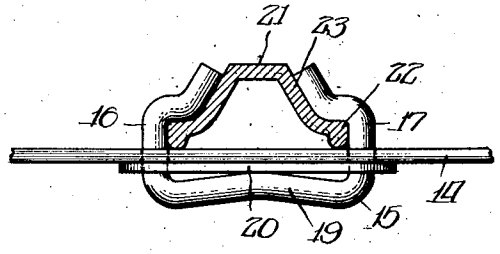


Fig. 3.

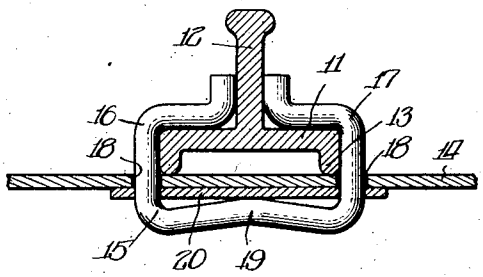
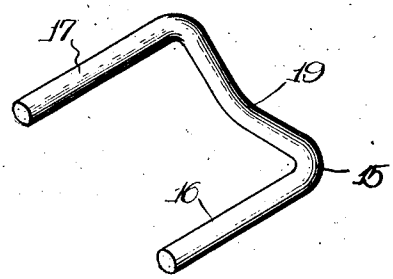


Fig. 5.



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UNITED STATES PATENT OFFICE.

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SIGN-FASTENING DEVICE.

Application filed October 18, 1926. Serial No. 142,312.

This invention relates to a new and improved sign fastening device and more particularly to a device adapted to secure metal signs to metal posts.

Various types of metal posts are now widely used for the purpose of supporting signs, such as highway signs and railroad signs. These signs are usually formed of sheet metal and various means have been developed for securing them to the metal posts. Such means include bolts, and staples bent around portions of the posts. All of these, however, have a tendency to become loosened, permitting the sign to vibrate in the wind and bang against the post. This is detrimental to both the sign and the post, and also sometimes renders signs unpleasantly noisy.

It is an object of the present invention to provide a new and improved device for securing signs to posts and more particularly metal signs to metal posts.

It is a further object to provide a device of this character adapted to resiliently hold the sign against the post whereby looseness or rattling are prevented.

It is an additional object to provide a securing device adapted to be readily put in place by simple tools.

Other and further objects will appear as the description proceeds.

I have illustrated in the accompanying drawings, one preferred form of my invention.

In the drawings—

Figure 1 is a fragmentary face view showing a post having a sign secured thereto;

Figure 2 is a section taken on line 2—2 of Figure 1;

Figure 3 is a section taken on line 3—3 of Figure 1;

Figure 4 is a view similar to Figure 2 but showing the device used with a different form of post; and

Figure 5 is a perspective view of the U-shaped clip.

The post shown in Figures 1 to 3 is a T-shaped post having the face 11 and the rearwardly extending flange 12. The face 11 is provided with serrations 13 along its edges which engage the metal sign 14 and support it spaced from the face of the post. The U-shaped clip 15 is provided with legs 16 and 17 which extend through perforations 18 in the sign plate 14. These legs 16 and 17 are bent around against the rear of the face portion 11 of the post and against the web 12, as clearly shown in Figure 3. The middle portion 19 of the staple 15 is bowed inwardly, as clearly shown in the drawings. The washer 20 is preferably slipped over the legs of the staple before the legs are passed through the sign and the bowed portion 19 of the staple engages the washer and forces it against the face of the sign plate 14.

In Figure 4 a generally U-shaped post 21 is shown with securing means identical with those of the other figures used to fasten the sign to the post. The legs of the staple are bent around the shouldered edges 22 of the post 21 and against the sloping wing portions 23 of the post.

The staple 15 is preferably formed of relatively heavy guage steel wire, and, due to the resilience of the material, the bowed portion 19 presses the washer 20 and sign 14 against the face of the post. In clamping the staple to the post the bowed portion 19 is put under an initial tension so that the parts are resiliently held together. The washer 20 is preferably made of comparatively stiff material so as to give a broad bearing surface on the sign plate and transmit the spring pressure from the staple to such broad surface. The staples may be applied by various forms of heavy pliers or tongs which force the legs into contact with the posts and such tools form no part of the present invention.

I claim:

1. A fastening device comprising a resilient, generally U-shaped member, the legs joining the middle portion by relatively sharp right angled curves, the middle portion being bowed inwardly in the direction of the legs, the legs having blunt ends and being adapted to be bent for securing purposes, and a relatively stiff washer having perforations fitting over the legs and a middle portion adapted to be engaged by the inwardly bowed portion of the U-shaped member.

2. In combination, a supporting post, a sign, a U-shaped member for securing the sign to the post, the legs of the U-shaped member extending through the sign and being hooked around a portion of the post, the middle portion of the U-shaped member being resilient and bowed inwardly and resiliently urging the sign against the post.

3. In combination, a supporting post, a

flat member, a resilient U-shaped member for securing the flat member to the post, and a stiff washer fitted between the median portion of the U-shaped member and the flat member, the legs of the U-shaped member being secured to the post and the middle portion of the U-shaped member being bowed inwardly to engage the washer and thereby resiliently urge the flat member against the post.

Signed at Duluth, Minnesota, this 11th day of October, 1926.

LOUIS C. REIS.