April 27, 1937. C. ALLEN 2,078,478

COMBINATION PUSH BAR AND SIGN SUPPORT

Filed Oct. 5, 1936

Fig. 1.

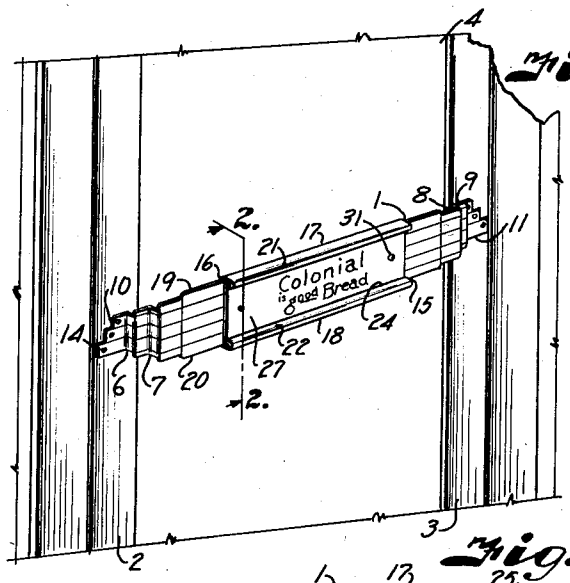


Fig. 2.

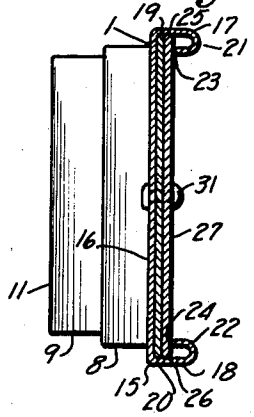


Fig. 3.

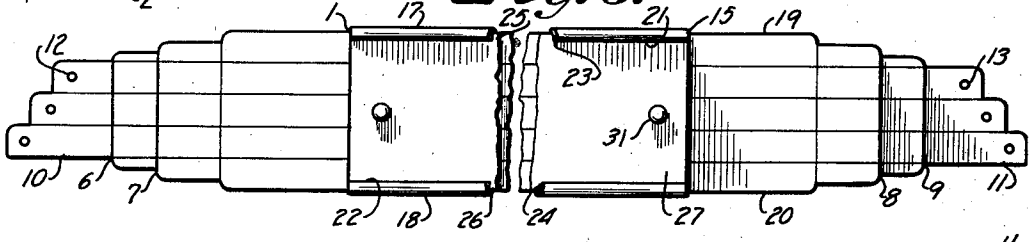


Fig. 4.

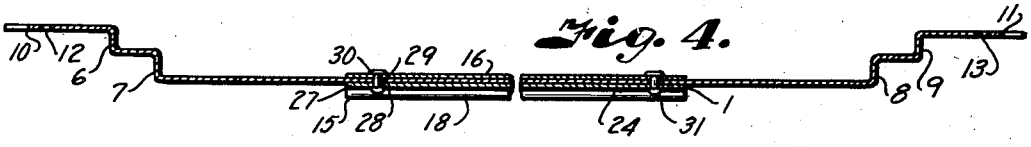
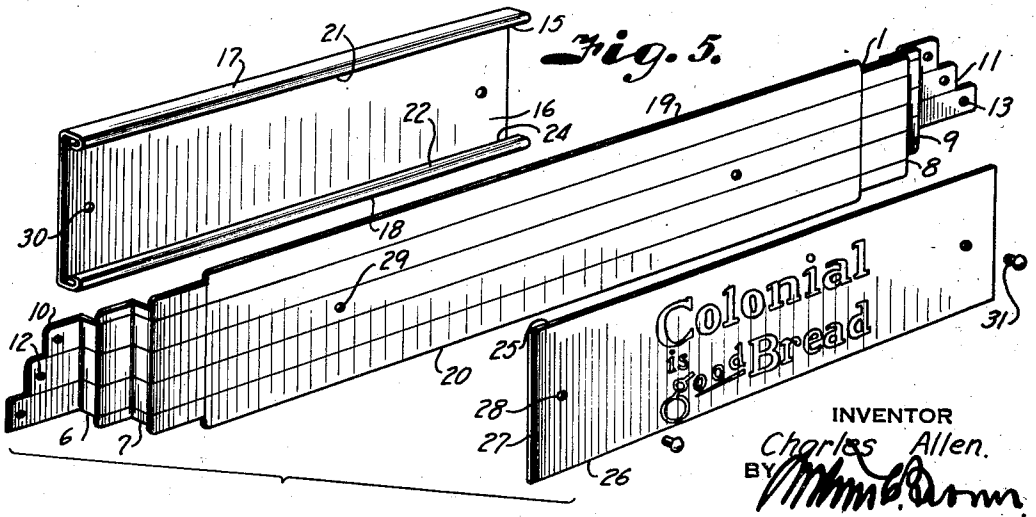


Fig. 5.



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COMBINATION PUSH BAR AND SIGN SUPPORT

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4 Claims. (Cl. 40—125)

This invention relates to door push bars and has for its principal object to provide a device of this character with a sign support whereby a sign is carried on the push bar for advertising purposes.

Another important object is to provide a push bar formed of relatively light gauge sheet material which is rigidly braced from bending by the sign supporting feature of the invention.

Other important objects of the invention are to provide a combination push bar and sign support of neat and attractive appearance; and to provide a construction wherein the edges of the sign are shielded by the support to prevent injury to the hands when pushing against the bar.

In accomplishing these and other objects of the invention, as hereinafter pointed out, I have provided improved details of structure, the preferred form of which is illustrated in the accompanying drawing, wherein:

Fig. 1 is a perspective view of a portion of a door equipped with a combination push bar and sign support embodying the features of the present invention.

Fig. 2 is a cross-section through the assembled push bar, sign and sign support on the line 2—2 of Fig. 1.

Fig. 3 is an enlarged front elevational view of the push bar and sign carried thereby.

Fig. 4 is a longitudinal section through the push bar and sign, particularly illustrating the offsets at the ends of the bar.

Fig. 5 is a detail perspective view of the push bar, sign support and sign, in disassembled spaced relation.

Referring more in detail to the drawing:

1 designates a push bar preferably formed of light gauge sheet material of suitable length to extend across the side stiles 2 and 3 of a door 4 and of sufficient width to accommodate a sign, as later described. The center or push portion of the bar 5 is provided at its ends with stepped offsets 6—7 and 8—9 to offset the central part of the bar from the attaching end portions 10 and 11.

In the illustrated instance, the ends of the bar including the attaching portions, are of modernistic design to enhance the appearance thereof, however, the ends of the bar may be of other shapes and design without departing from the spirit of the invention. The attaching portions 10 and 11 are provided with openings 12 and 13 through which fastening devices such as screws 14 are projected to secure the bar to the stiles of the door.

Attached to the central portion of the bar is a sign support 15 including a plate 16 provided with laterally turned flanges 17 and 18 on the upper and lower side edges thereof adapted to respectively engage the upper and lower edges 19 and 20 of the bar, as best shown in Fig. 2. The forward portions of the flanges are bent retractively, as at 21 and 22, to provide round beads or guards projecting over the front face of the push bar and which have their free edges 23 and 24 spaced from the bar a sufficient distance to accommodate edges 25 and 26 of a sign plate 27 therebetween.

The sign plate 27 conforms in width to the bar and is of substantially the same length as the sign support, so that the upper and lower edges 25 and 26 thereof are shielded by the flanges of the sign support as shown in Figs. 2 and 3. The sign plate may be provided with an advertisement or the like as shown.

In assembling the support on the push bar the plate portion 16 thereof is placed in face to face contact with the rear side of the bar and spot-welded or otherwise attached thereto. The sign plate 27 is then placed against the front face of the bar so that one end thereof engages under the free edges 23 and 24 of the flanges 21 and 22. The sign plate is then slid along the front face of the bar, guided by the flanges, until the ends thereof align with the ends of the supporting plate. The sign is, therefore, secured against the face of the bar by the overlying portions of the flanges, but in order to prevent longitudinal sliding movement of the sign on the bar, the sign plate, bar and supporting plate 6 are provided with aligning openings 28, 29 and 30 through which fastening devices 31, such as rivets or the like, are inserted as best shown in Fig. 4.

After assembly of the parts, the push bar is applied to the stiles of the door by inserting the fastening devices 14 through the openings 12 and 13 in the offset attaching portions 10 and 11 at the ends thereof, as best shown in Fig. 1. When the push bar is applied with the ends thereof securely anchored to the stiles of the door, the supporting plate and sign will reinforce the central portion of the bar from bending when pushing pressure is applied to the bar to open the door. The side flanges of the support also not only retain the sign in position but they prevent raw edges of the sign from injuring the hands when pushing against the bar.

It is thus obvious that a bar constructed and assembled in accordance with the present inven-

tion is of neat and attractive appearance and supports a sign in conspicuous view of a person entering the door.

The bar is also of inexpensive construction because it is readily fabricated of sheet material and when assembled provides a rigid structure.

What I claim and desire to secure by Letters Patent is:

1. A device of the character described including a push bar formed of a sheet metal strip having a central portion offset from the ends of the strip, a sign support having a plate portion fixed to said offset central portion and having lateral flanges extending over the edges of said offset central portion provided with reversely bent edges spaced over said offset central portion, a sign carrying member seating against the offset central portion and retained by said reversely bent edges of the flanges, and fastening devices for preventing sliding movement of the sign carrying member relatively to the push bar.

2. A device of the character described including a push bar formed of a sheet metal strip having a central portion offset from the ends of the strip, a sign support having a plate portion fixed to and forming a backing for said offset central portion and having lateral flanges extending over the edges of said offset central portion, said flanges having inwardly rolled edges for retaining a sign member between said flanges and against said central portion of the push bar to cooperate with the plate portion of the sign support in enhancing the rigidity of the push bar.

3. In combination with a push bar having offset ends and a sign to be carried thereby, and means for securing the sign to the bar including a plate fixed to the rear face of the bar having side edges rolled forwardly in overlapping relation to the front face of the bar to form tracks for guidingly receiving the sign substantially in contact with the front face of said bar and for covering the side edges of said sign, said sign and plate cooperating to enhance rigidity of said bar.

4. In combination with a push bar having offset ends and a sign to be carried thereby, means for securing the sign to the bar including a plate fixed to the rear face of the bar having side edges rolled forwardly in overlapping relation to the front face of the bar to form tracks for guidingly receiving the sign substantially in contact with the front face of said bar and for covering the side edges of said sign, said sign and plate cooperating to enhance rigidity of said bar, and means for fixing said sign, bar and plate relative to each other to maintain the sign in position.

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