Nov. 7, 1933. H. T. HALLOWELL ET AL 1,934,533

SIGN FRAME

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Fig. 1.

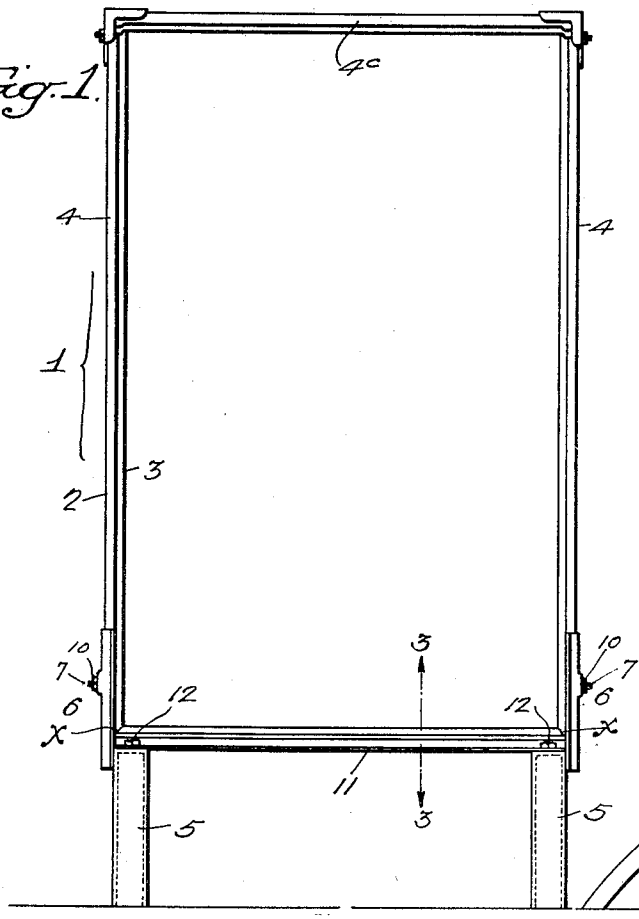


Fig. 2.

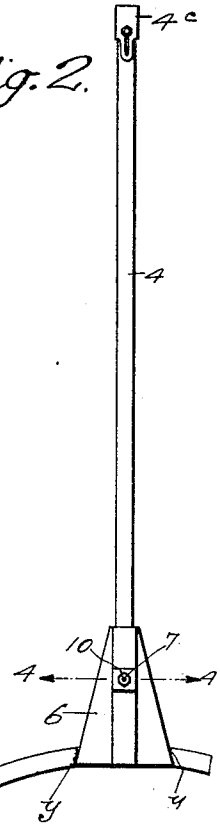


Fig. 3

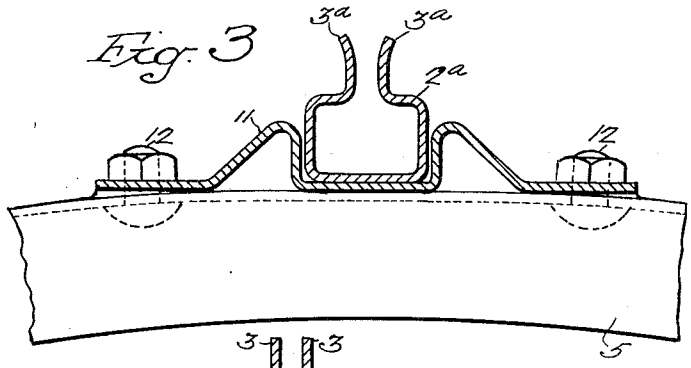
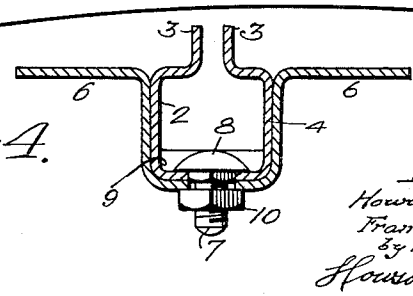


Fig. 4.



Inventors
Howard T. Hallowell
Frank Bennett
By their Attorneys
Howson & Howson

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Fig. 5.

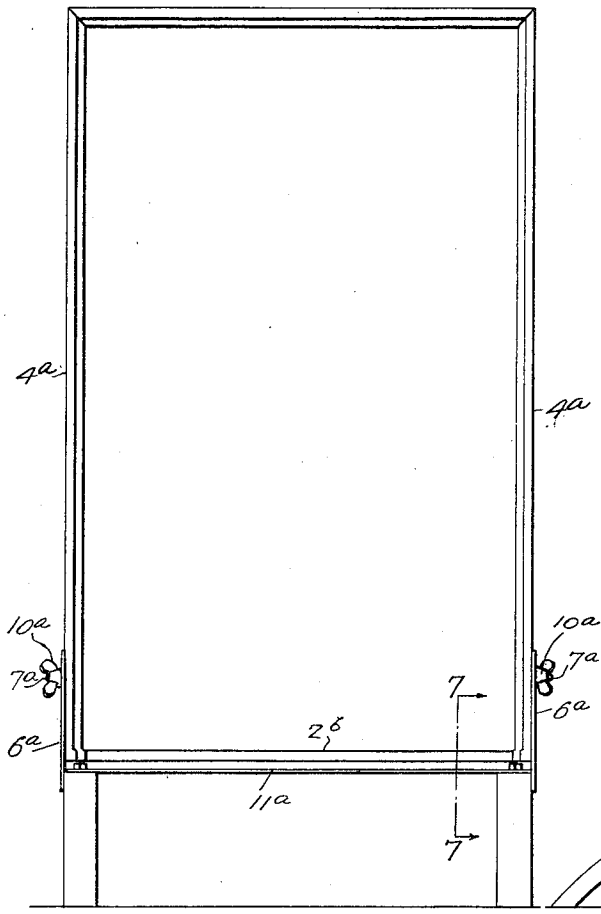


Fig. 6.

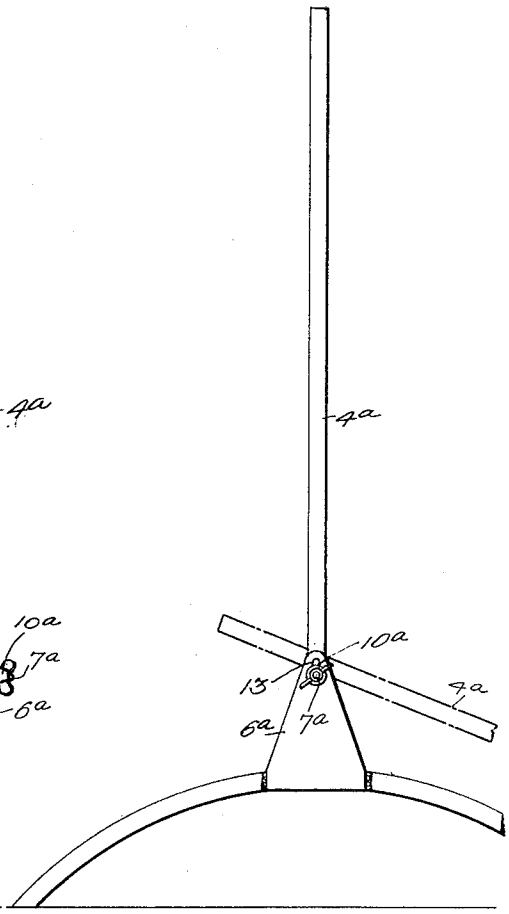
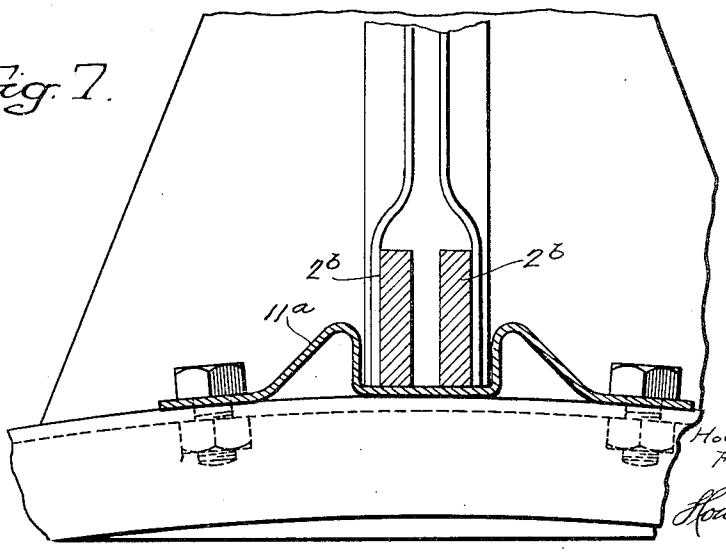


Fig. 7.



Inventors
Howard T. Hallowell
Frank Bennett
by their Attorneys
Howson & Howson

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UNITED STATES PATENT OFFICE

1,934,533

SIGN FRAME

Howard T. Hallowell and Frank Bennett, Jenkintown, Pa., assignors to Standard Pressed Steel Co., Jenkintown, Pa., a corporation of Pennsylvania

Application September 30, 1932
Serial No. 635,636

2 Claims. (Cl. 40—125)

This invention relates to certain improvements in street sign frames, in which the sign is inserted in the frame, the side members of the frame being grooved to receive the sign, but in some types of frames the sign may be suspended in the frame, in which case the cross-members of the frame may be of any shape desired.

One object of the invention is to secure the plates, which attach a sign to the legs, permanently to the legs and detachably connect them to the frame, so that the frame, when shipped, can be packed into a comparatively small compass, and yet can be readily assembled.

A further object of the invention is to make the bottom member and side members of the frame integral, and to provide a transverse plate which supports the frame and which also connects the supporting legs.

Other features of the invention will be fully described hereinafter.

In the accompanying drawings:

Fig. 1 is a view in elevation of our improved sign frame, showing the top member removable, so that the sign can be inserted at the top;

Fig. 2 is a side view of the frame shown in Fig. 1;

Fig. 3 is a sectional view on the line 3—3, Fig. 1;

Fig. 4 is a sectional view on the line 4—4, Fig. 2;

Fig. 5 is a view in elevation of a modification of the invention in which the sign frame is pivoted to the leg section, so that the sign can be inserted from the bottom;

Fig. 6 is a side view of Fig. 1;

Fig. 7 is an enlarged sectional view on the line 7—7, Fig. 1.

Referring to Figs. 1 to 4, 1 is a rectangular frame in the present instance. This frame is made of channel bars 2 of a shape such as shown in Fig. 4. Each bar in the present instance is rectangular in cross-section and has extended end portions 3, which are bent outwards and spaced apart sufficiently to accommodate a sign. The two side members 4—4 of the frame are made as shown in Fig. 4, as well as the detachable upper section 4c. The upper section forms no part of the present invention, as it already forms the subject-matter of a separate application filed on the 30th day of June, 1932, under Serial No. 620,203. The lower section is preferably made of a channel shape, such as shown at 2a, Fig. 3, in which the end members 3a are of a greater length than the members 3 of the side sections, and they are curved outwards so as to guide the sign into the lower slot of the frame. The side sections are welded at x—x to the bottom section. 5 are the legs which support the frame. These legs are made of channel members and are curved in the present instance, but it will be understood that they may be made of angle bars or other shapes, and while we have shown them curved they may be otherwise formed without departing from the essential features of the invention.

Welded to the legs 5 at y—y, Fig. 2, are plates 6. These plates extend upwards on the outside of the frame and are shaped as shown in Fig. 4, to fit the side members 4 of the frame. These plates are wider at the base than at the top, so as to give a firm support to the frame. The plates of the legs are secured to the frame by bolts 7, the rounded heads 8 of which are set in a recess 9, the frame being pressed at this point to form the recess, and the plate is shaped accordingly. The bolt is secured in place by a nut 10, which clamps the frame firmly to the legs, and as the plate is shaped to fit the frame a very substantial connection is made with the single bolt, although two or more bolts could be used if found desirable. The legs in the present instance are connected by a plate 11, Fig. 3, which is shaped to fit the lower member of the frame, and this plate is secured to the legs 5 by bolts 12. By this construction a very rigid support for the frame is secured, and by removing the nuts 10 the heads can be readily detached from the frame and, if necessary, the legs can be detached from the connecting bar 11, so that the entire frame can be dismantled for shipment. The legs and their parts can then be inserted within the frame so as to occupy a comparatively small space in a box for shipment; yet anyone can readily assemble the parts of the frame when necessary.

In Figs. 5, 6 and 7 we have illustrated a construction in which the plates 6a are slotted at 13 and a wing nut 10a is used to attach the frame to the plate so that in backing-off the nut the frame can be raised with the bolt 7a, the bolt sliding in the slot 13 until the frame is clear of the lower plate 11a, when it can be turned from the vertical position to the inclined position shown in Fig. 6 so that a sign can be inserted in the frame while the frame is in the inclined position, and when turned back to its original position the plate 11a will retain the sign in position. In this case the side members 4a are connected together by two bars 2b spaced apart so as to form a channel for the sign as stated above. When the frame is in position as shown in Fig. 7 the

lower portion of the sign rests upon the bar 11*a*.

We claim:—

1. The combination in a street sign, of a frame on which the sign is mounted; legs supporting the frame; a recessed plate connecting the legs, the bottom member of the frame fitting in the recess of the plate, side plates welded to the legs and extending on each side of the frame; and bolts securing the frame to the side plates.

2. The combination in a street sign, of a frame; legs supporting the frame; a recessed cross plate extending from one leg to the other, the lower portion of the sign frame resting in the recess; a side plate extending upward from each leg at each side of the frame, said side plates being slotted; bolts extending through the frame and the slots in the side plates; and nuts on the bolts so that when the nuts are backed-off the frame can be raised clear of the recessed plate and can be turned on the side plates so as to allow a sign to be inserted through a slot in the bottom of the sign frame, the recessed cross plate retaining the sign in position when the frame is in its normal position.

HOWARD T. HALLOWELL.
FRANK BENNETT.