

W. L. TURNER.
SIGN BOARD.
APPLICATION FILED FEB. 27, 1909.

953,871.

Patented Apr. 5, 1910.

2 SHEETS—SHEET 1.

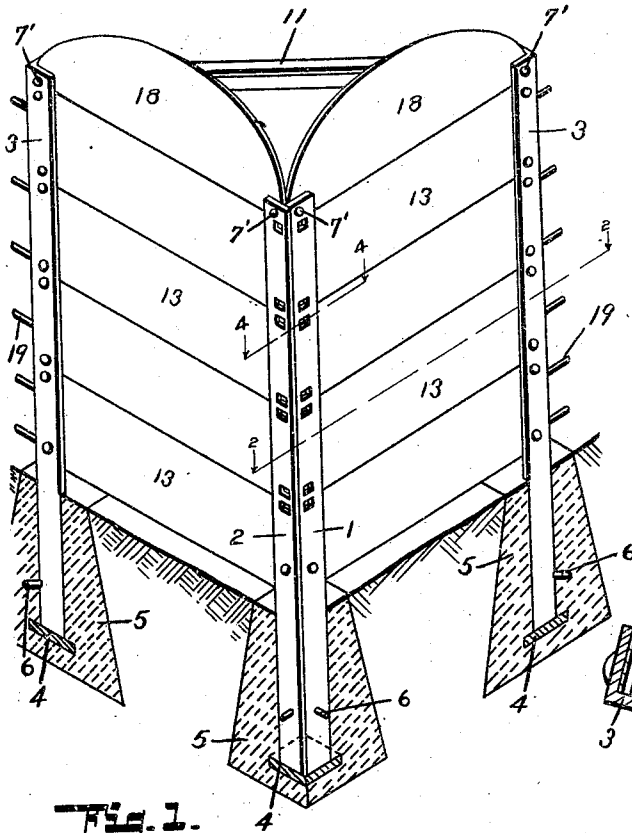


Fig. 1.

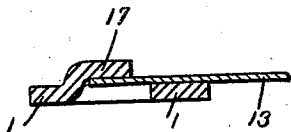


Fig. 4.

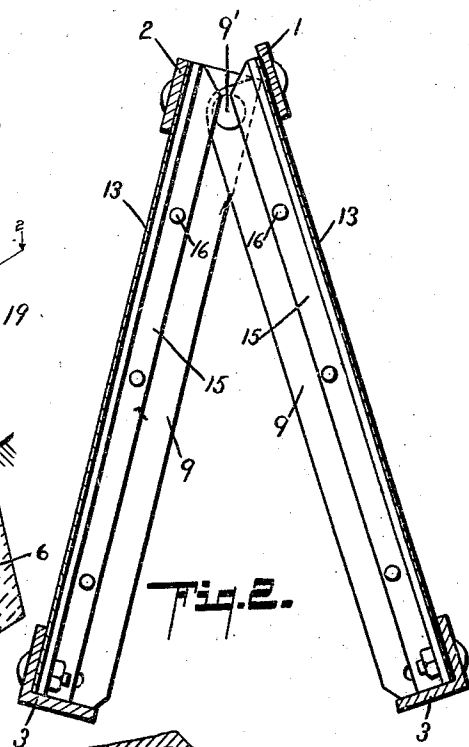


Fig. 2.

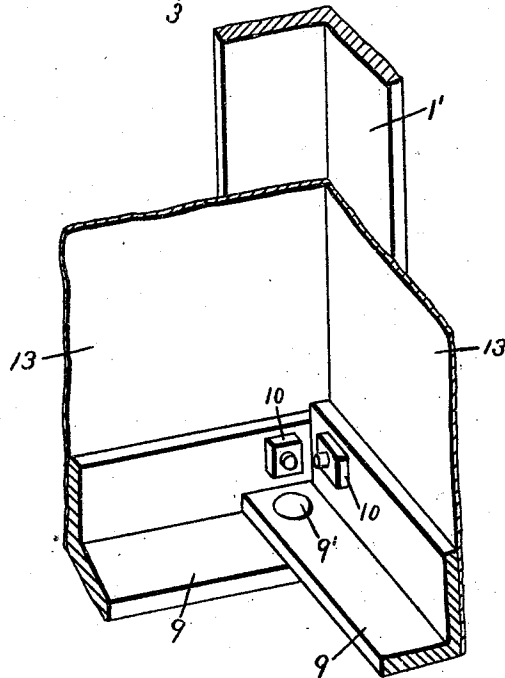


Fig. 5.

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2 SHEETS—SHEET 2.

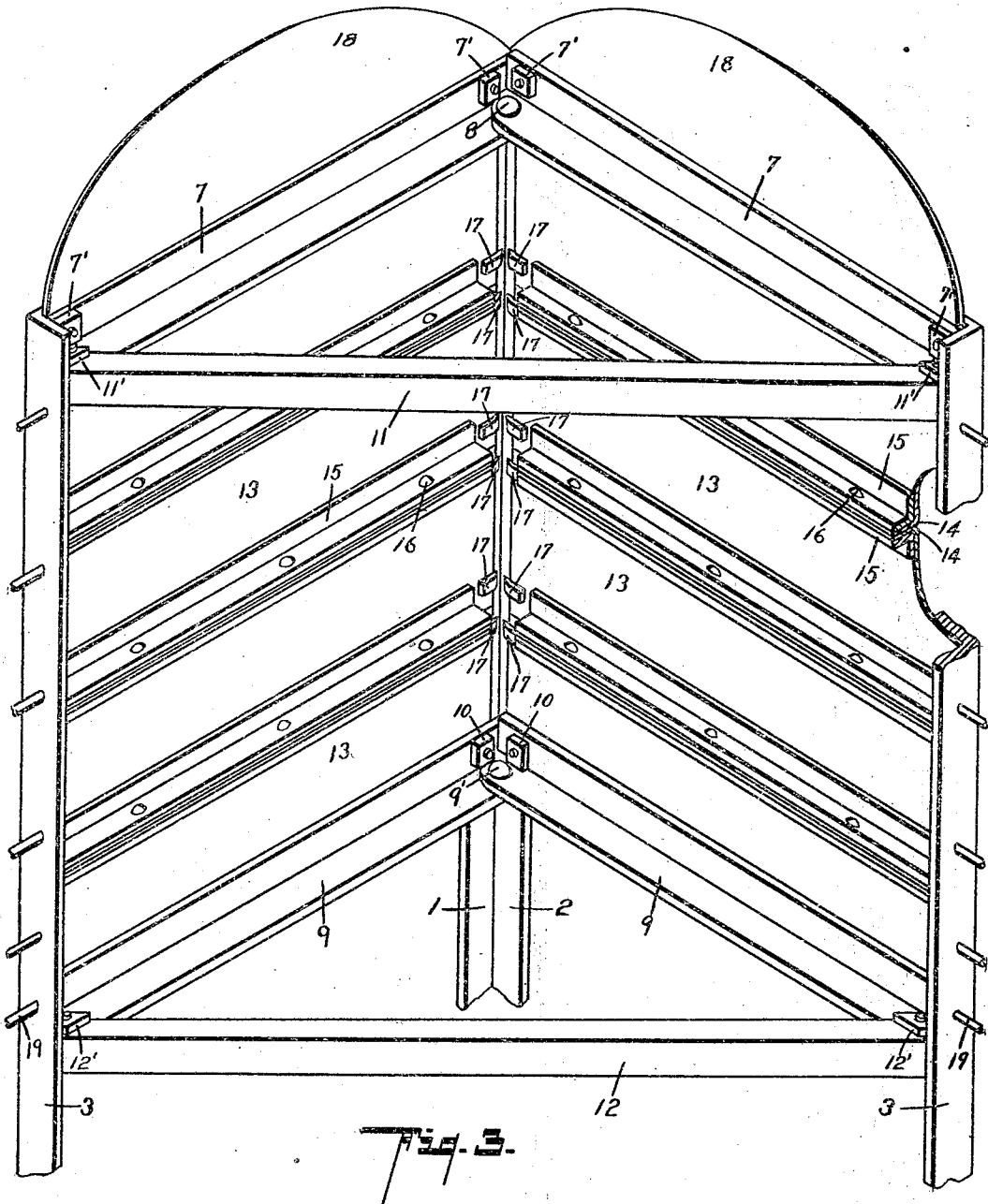


Fig. 3.

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UNITED STATES PATENT OFFICE.

WILLIAM L. TURNER, OF KALAMAZOO, MICHIGAN, ASSIGNOR TO METAL SIGN BOARD ADVERTISING COMPANY, OF KALAMAZOO, MICHIGAN, A CORPORATION OF MICHIGAN.

SIGN-BOARD.

953,871.

Specification of Letters Patent.

Patented Apr. 5, 1910.

Application filed February 27, 1909. Serial No. 480,472.

To all whom it may concern:

Be it known that I, WILLIAM L. TURNER, a citizen of the United States, residing in the city and county of Kalamazoo, State of Michigan, have invented certain new and useful Improvements in Sign-Boards, of which the following is a specification.

This invention relates to improvements in sign board structures.

The objects of this invention are: First, to provide an improved construction of frame-work for supporting signs. Second, to provide an improved form of sign plate or board. Third, to provide an improved means of attaching and supporting such sign plates or boards on the frame-work.

Further objects and objects relating to details will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification.

The invention is clearly defined and pointed out in the claims.

A structure embodying the features of my invention is clearly illustrated in the accompanying drawing, forming a part of my specification, in which:

Figure 1 is a perspective view of my improved sign board structure showing in detail the means and methods for anchoring the posts. Fig. 2 is a sectional plan view of the structure taken on a line corresponding to line 2—2 of Fig. 1, somewhat enlarged. Fig. 3 is a rear perspective view of the structure appearing in Fig. 1, somewhat enlarged, portions being broken away to show details of construction. Fig. 4 is a detail view, taken on a line corresponding to line 4—4 of Fig. 1, showing the details of the retaining means for the inner edge of the sign board. Fig. 5 is an enlarged detail view showing a modification of the corner post construction and the connections thereto.

In the drawing, similar numerals of reference refer to similar parts throughout the several views.

Considering the numbered parts of the drawing, vertical strips 1 and 2 constitute the corner post, angle-bars 3—3 are the side posts, and these are anchored in the ground in suitable cement bases 5, which are larger at the bottom than at the top. In filling in the concrete, plates or boards 4 are placed beneath the ends of each post, so that the

same rest securely while the concrete is being tamped in about the same. The cross-pins 6 are put through the bottoms of the posts to afford additional anchoring means for securing the posts securely in the concrete bases. The upper ends of the posts 1, 2 and 3—3 are connected by angle-strips 7, which are bolted by bolts 7' to the said posts. A pivot bolt 8 connects the horizontal flange or limb of each angle-piece at the top. Similar angle-bars 9—9 connect the bottom portions and are pivoted to each other by a bolt 9'. This pivoting of these angle-bars together at top and bottom enables the sign to be constructed at the factory, and collapsed into a flat form for shipment. The tops of the posts 3—3 are connected together by angle-bars 11, which are secured by nuts 11' to the outer ends of the angle bars 7—7, and serve as a triangular brace for the top of the structure. The lower parts are connected together by an angle-bar 12, secured to the outer ends of the angle-bars 9—9 by means of bolts 12'—12'. The lower bar, however, is only for use temporarily and is detached after the concrete bases around the posts have duly set and hardened.

The sign plates 13 are made of sheet metal with their edges turned at right angles to form flanges 14. These flanges are secured together by means of suitable bolts 16 and preferably by the use of small angle-bars 15—15 fitting into the angle formed between the flanges 14 of the plates 13, as clearly appears by reference to Fig. 3. Where the plates 13 are heavy, however, or of good substantial material, the angle-bars 15 will not be found to be necessary. The plates are secured in place by slipping their inner edges at the corner post under lugs 17, which are punched up out of the corner post. It is thus only necessary to bolt the outer edge.

These signs are intended to be used on the highway, and the upper section 18 will be made of quite substantial material and serve as a mile or guide board. It will be noted that the frame-work is very substantially made. In the rural districts, they will be found of great advantage for the attachment of the wires 19 of the wire fences, and will serve efficiently as corner posts. The sign board, however, will be found to be of advantage to indicate lo-

cality at corners. It is adapted to be arranged with the corner projecting into the highway, so that the sign can be read when approaching it from either direction, when
5 located at any point on the highway.

While the particular structure shown has a particular advantage in economizing in the use of bolts, I desire to remark that the structure will be found to be quite available,
10 in the use of an angle-bar 1' as the corner-post, when the signs and supporting angle-bars can be secured thereto after the manner indicated in Fig. 5.

From this statement, it will be seen that
15 considerable modification is possible without departing from the spirit of my invention as defined by the scope of the appended claims.

Having thus described my invention,
20 what I claim as new and desire to secure by Letters Patent is:—

1. In a sign-board, the combination of a corner post made up of sections 1, 2 and side posts 3—3; a suitable concrete base enlarged
25 at the bottom embracing each of said posts; angle bars connecting the said corner post to the said side posts, with pivotal connections between the same; sign plates with inturned flanges arranged between the said posts, one
30 edge of which projects under suitable lugs 17 punched from the said corner post, said plates being secured by suitable bolts to the outer posts; angle-bars arranged to clamp
35 said flanges; bolts projecting through the said angle-bars and said flanges; and a brace bar 11 between the upper ends of the posts 3—3, all coacting substantially as described and for the purpose specified.

2. In a sign-board, the combination of a
40 corner post made up of sections 1, 2 and side posts 3—3; angle-bars connecting the said corner post to the side posts, with pivotal connections between the same; sign plates with inturned flanges arranged between the
45 said posts, one edge of which projects under suitable lugs 17 punched from the said corner posts, the said plates being secured by suitable bolts to the outer posts; and bolts projecting through the flanges, all coacting
50 substantially as described and for the purpose specified.

3. In a sign-board, the combination of a corner post made up of sections 1, 2 and side posts 3—3; angle-bars connecting the said

corner post to the side posts, with piv- 55
otal connections between the same; sign plates with inturned flanges arranged between the said posts, said plates being detachably secured; and bolts projecting through the said flanges, all coacting substantially as described and for the purpose
60 specified.

4. In a sign-board, the combination of suitable posts; bars suitably connecting said posts together; sign plates extending between the said posts and having their adjacent edges inturned to form right angled
65 flanges; suitable bolts through the said flanges on the said adjacent edges; and connections for securing the said sign plates to the said posts, consisting of lugs punched from one of said posts for embracing one
70 edge of said sign plates, and bolts through the opposite post and the opposite edges of said sign plates, coacting for the purpose
75 specified.

5. In a sign-board, the combination of suitable posts; bars suitably connecting said posts together; sign plates extending between said bars, said plates having their
80 adjacent edges inturned to form right angled flanges; suitable bolts through the said flanges thus formed; and detachable connections for securing the said sign plates to the said posts, coacting for the purpose speci-
85 fied.

6. In a sign-board, the combination of a corner post, of side posts; bars connecting the said corner post to said side posts to form bracing triangles; and detachable
90 plates with adjacent right-angled flanges suitably bolted together, and means for securing said plates to said corner and side posts at each side.

7. In a sign-board, a suitable frame; and
95 detachable sheet-metal sign plates with integral right angled adjacent flanges; and bolts through said flanges for securing said plates together independent of the attachment to said frame.

In witness whereof, I have hereunto set
100 my hand and seal in the presence of two witnesses.

WILLIAM L. TURNER. [L. s.]

Witnesses:

CLORA E. BRADEN,
F. GERTRUDE TALLMAN.