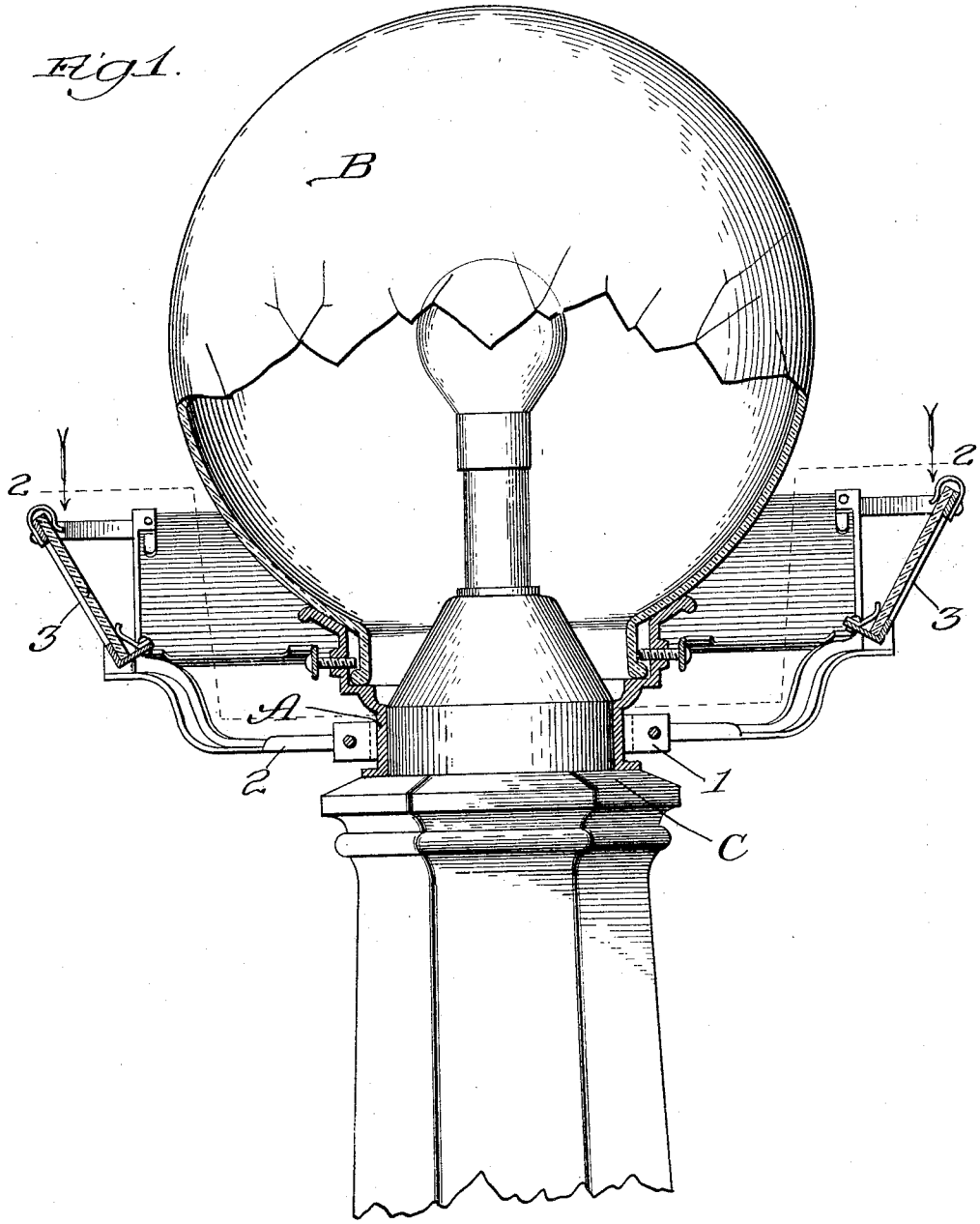
Aug. 2, 1932. H. C. GATCHELL 1,869,474

STREET SIGN

Filed May 2, 1929 4 Sheets-Sheet 1

Fig 1.



Inventor:
Helen C. Gatchell,
By Dyrenforth, Lee, Chritton & Wiles,
Attys.

Aug. 2, 1932. H. C. GATCHELL 1,869,474

STREET SIGN

Filed May 2, 1929 4 Sheets-Sheet 2

Fig. 2.

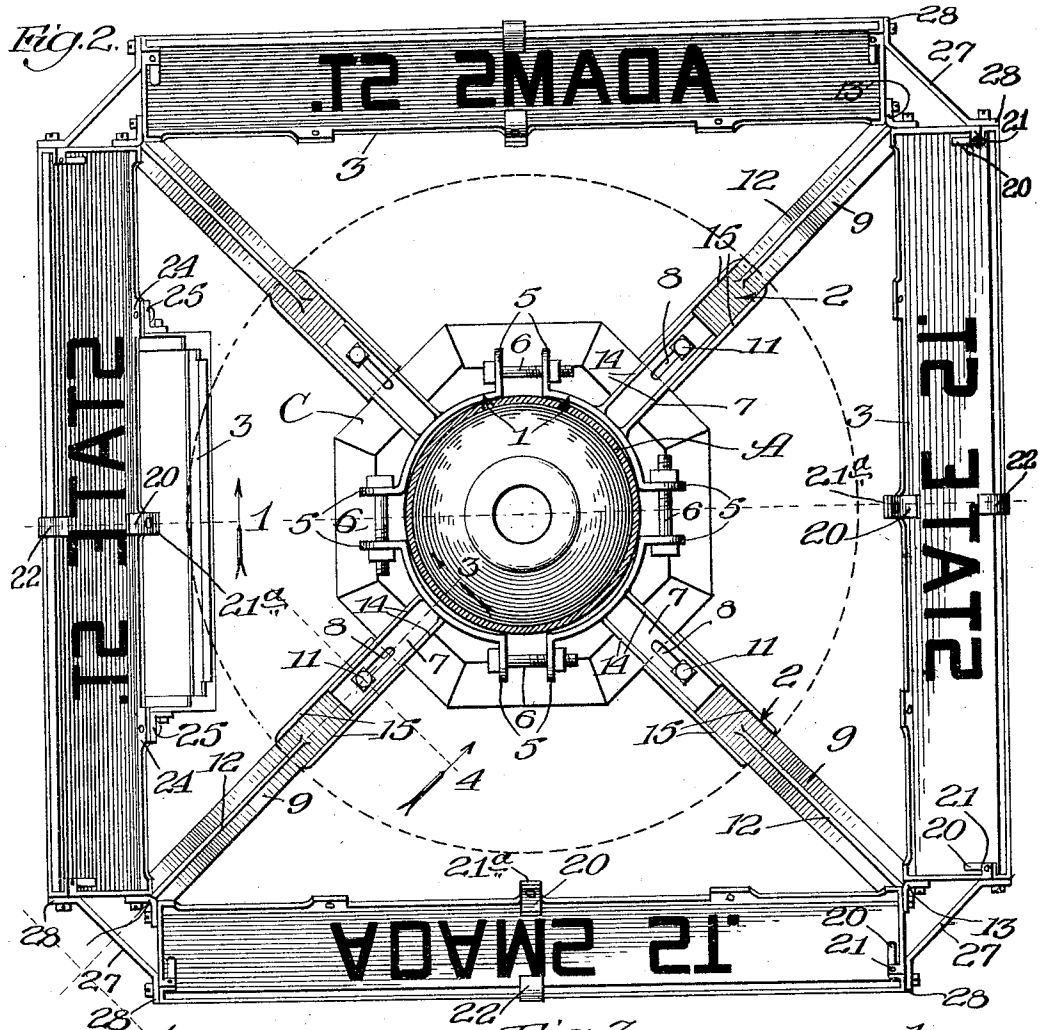


Fig. 3.

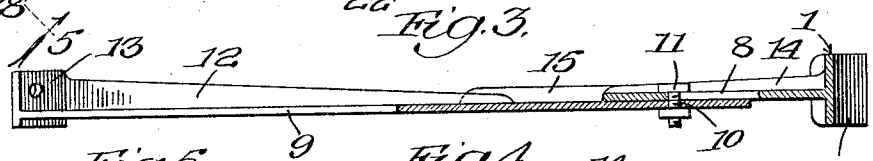


Fig. 5.

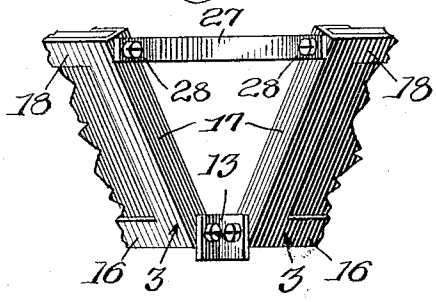
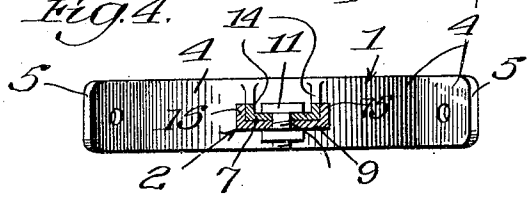


Fig. 4.



Inventor:
Helen C. Gatchell,
By Dyrenforth, Lee, Chritton & Wiles,
Attys.

Aug. 2, 1932. H. C. GATCHELL 1,869,474

STREET SIGN

Filed May 2, 1929 4 Sheets-Sheet 3

Fig. 6.

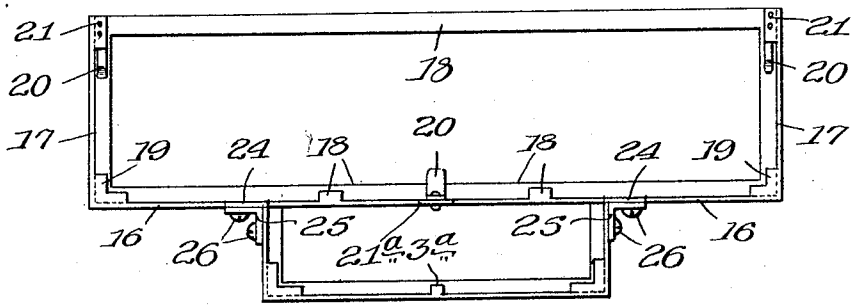
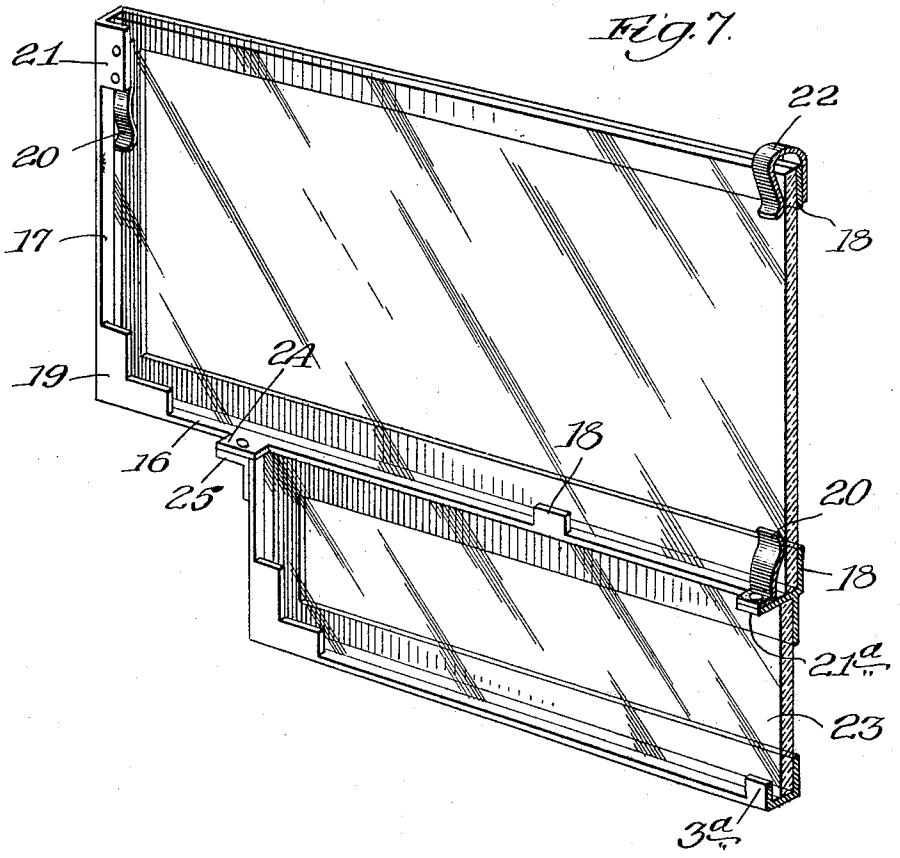


Fig. 7.



Inventor:
Helen C. Gatchell,
By Dyrenforth, Lee, Chritton & Wiles,
Attys.

Aug. 2, 1932. H. C. GATCHELL 1,869,474

STREET SIGN

Filed May 2, 1929 4 Sheets-Sheet 4

Fig. 8.

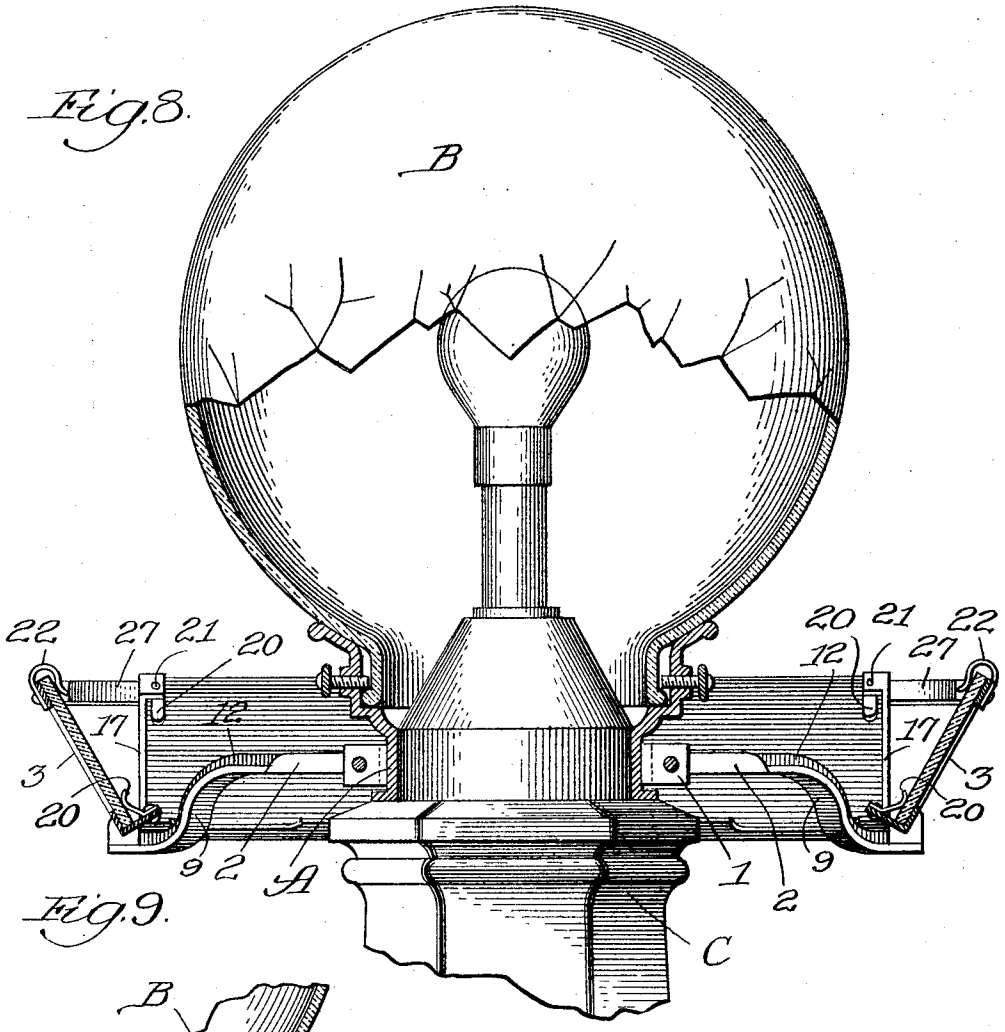
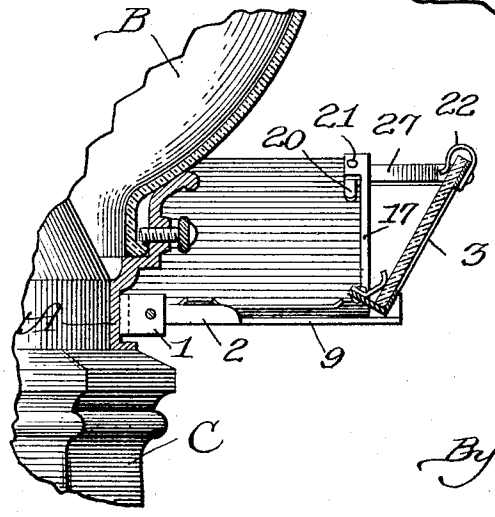


Fig. 9.



Inventor:
Helen C. Gatchell,
By Dyrenforth, Lee, Chritton & Wiles,
Attys.

Patented Aug. 2, 1932

1,869,474

UNITED STATES PATENT OFFICE

HELEN C. GATCHELL, OF CHICAGO, ILLINOIS, ASSIGNOR TO VISIBLE NIGHT-AND-DAY STREET-NAME SIGNS, INCORPORATED, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS

STREET SIGN

Application filed May 2, 1929. Serial No. 359,938.

This invention relates to street signs and the like, and more particularly to means for supporting the signs in a desired position on lamp posts.

One of the primary objects is to provide a device of durable and inexpensive construction, which will permit ready attachment to a post and which will enable the signs to be adjustably supported at the desired distance from the post. Other objects and advantages will appear as the description proceeds.

The invention is fully described in the following specification and shown in the accompanying drawings, in which:

Figure 1 is a broken sectional view, in elevation, of a lamp-post globe and the sign support embodying my invention, the section in the above figure being taken as indicated at line 1 of Fig. 2; Fig. 2 is a plan sectional view, the section being taken as indicated at line 2 of Fig. 1; Fig. 3 is a detailed view of a supporting arm, part of said arm being shown in elevation and part in section, as indicated at line 3 of Fig. 2; Fig. 4 is a detailed view, in elevation, of a supporting arm and clamping segment, the arm being shown in section, as indicated at line 4 of Fig. 2; Fig. 5 is a detailed view, in end elevation, of sign frames, the view being taken from line 5 of Fig. 2; Fig. 6 is a view, in elevation, of the inner sides of the sign frames; Fig. 7 is a perspective view of a portion of the sign frames and signs carried therein; Fig. 8 is a broken sectional view showing a downwardly curved supporting arm; Fig. 9 is a broken sectional view showing a straight supporting arm.

In the illustration given, the sign support includes a segmental clamping member 1, supporting arms 2 and sign frames 3.

The segmental clamping member 1 is shown applied to a globe supporting member A, which serves to secure a globe B upon a lamp post C. It comprises a number of segments 4, which are provided at their extremities with perforated flanges 5. The flanges of adjacent segments are secured to each other by means of bolts 6. The clamping member 1 may be constructed of any desired material, such as, for example, cast iron. In the type of construction shown, the clamping member may be readily adjusted to fit posts of varying diameters; also, if desired, the shape of the inner face of any of the segments 4, may be designed to conform to the contour of the post to which member 1 is to be applied. The clamping member 1 may be applied to the globe support A, as illustrated, or, if desired, directly to any portion of the post.

The arm support 2 consists of an inner part 7, which is preferably formed integrally with one of the segments 4 and is provided with a longitudinal slot 8, and it consists also of an outer part 9, which is provided with a perforation 10. Slot 8 and perforation 10 are located in portions of the parts which are adapted to make sliding contact with each other. The bolt 11 is adapted to pass through the slot 8 and perforation 10 and to secure the two parts in adjustable relation.

The outer part 9 is also provided with a vertical reinforcing rib 12 and has a furcated outer end, which is provided with perforated flanges 13. As illustrated, the V-point of the furcated flanges 13 is buttressed by the vertical rib 12.

The inner part of the arm 2 is provided, at its sides, with vertical flanges 14; also the outer part 9 is provided laterally with flanges 15, which engage the outer face of flanges 14, preventing angular horizontal displacement of the arm 2. Thus the contacting surfaces of the parts 8 and 9, and the telescoping or contacting flanges 14 and 15, serve to give the arm 2 rigidity, irrespective of the position to which it has been adjusted. The arms may be of any suitable material, such as, for example, cast iron.

Frames 3 may likewise be constructed of cast iron or other suitable material. Each of the frames has a bottom side 16, two side walls 17, and a front side 18. The front side 18 has its major portion cut away, leaving only a frame border to engage the sign. Retaining lugs 19 may be disposed, at suitable intervals, along the side walls 17 and bottom side 16. Spring fingers 20 are also preferably employed to make contact with the sign and to hold it firmly against the front side or frame border 18. The spring fingers or clips 20 may be secured to flanges 21 with

which the side walls 17 and bottom side 16 are provided. If desired, a clip 22 may be secured to the front frame border 18 to prevent removal of the sign.

As illustrated in Figs. 2, 6 and 7, a small sign 23, bearing additional information, may be supported below the main sign frame 3, in a frame 3^a, which is preferably similar in form and construction to frame 3. Frame 3^a may be secured to frame 3 in any desired manner. As illustrated, the side walls of frame 3^a are secured to perforated flanges 24, with which the bottom side 16 is provided, by means of a perforated L-shaped bracket 25 and screws 26. As shown in Fig. 7, the flange 21^a, bearing the spring finger 20, serves to retain the small sign 23 within the frame 3^a.

Bracing members 27 may be employed to hold the frame members 3 in the desired inclined position. As illustrated, bracing members 27 have their end portions 28 turned back at an angle so as to provide a bearing surface against the top portion of the side walls 17. The members 27 may be secured to the frames 3 by any suitable means, such as, for example, screws.

In assembling the supporting device, the clamping member 1 is opened by removing one or more bolts 6 from the one or more segments 4 and placed about a post. When raised to the desired height, the missing bolts are replaced within the perforated flanges 5 and nuts screwed thereon to tighten the clamping member. The nuts on the several bolts may be adjusted to give the desired grip upon the post. The arms 2 may then be extended to the proper length and fixed rigidly in position by tightening bolts 11. Ready adjustment of the arm 2 is permitted by slot 8 of the inner part of the arm 2. The ends of frames 3 are then brought into contact with the flanges 13 of the arm 2 so that the lower side of the end walls 17 of two adjacent frames 3 make contact with the inner sides of the flanges 13. The lower end walls may be secured to the furcated flanges 13 by means of screws or the like. The upper ends of the side walls 17 of the adjacent frame member 3 are secured together by bracing member 27, the angularly disposed ends 28 of the bracing member being held against the side walls by means of screws or the like. The signs may be placed within the frame members 3, either before or after the supporting device has been placed in the desired position. In the case of the small sign 3^a, it is preferred to place the sign within the frame before securing the frame 3^a to frame 3, since, in the construction shown, the flange 21 serves as a stop to prevent the removal of sign 23 from frame 3^a.

The signs supported by the frames 3 may be constructed of glass or any other suitable material. However, it is preferred to employ a light permeable material and to support the signs within a field of illumination so that the light passing through the signs may make them more visible from the street.

Also, if desired, the clamping member may be secured to a support above the globe, and the arms 2 may be curved downwardly to hold the frames 3 at the elevation desired. While in the illustration given, the signs are supported at a point somewhat below the light, it is apparent that the signs may be supported in a position above, parallel to or below the light globe by the means disclosed. The arm 2, and preferably the outer part 9 thereof, may be curved upwardly or downwardly to support the sign in the desired position with respect to the clamping member 1.

The foregoing detailed description has been given for clearness of understanding only and no unnecessary limitations should be understood therefrom, but the appended claims should be construed as broadly as permissible in view of the prior art.

I claim:

1. In a device of the character set forth, a post-engaging member, means for securing said member to a post, a plurality of signs, arms connected to said member and adapted to support said signs in the desired position, said arms comprising inner and outer segments having surfaces adapted to make sliding contact and having also telescoping flanges, and means for adjustably securing said arm segments in the desired relation.

2. In a device of the character set forth, a post-engaging member, means for securing said member upon a post, a plurality of sign frames, arms connected to said post engaging member and adapted to support said sign frames in the desired position, said arms being provided at their outer ends with a pair of angularly disposed flanges adapted to engage the lower portions of the ends of adjacent signs, means for securing said flanges to said sign frames, and bracing members connecting the upper end portions of said frames.

3. In a device of the character set forth, a post-engaging member, means for securing said member upon a post, a plurality of sign-carrying frames, signs carried by said frames, arms connected to said post-engaging member, having their outer ends furcated, means for securing the furcated ends of each arm to a pair of sign-carrying frames, and a bracing member connecting the upper end portions of said frames.

4. In a device of the character set forth, a post-clamping member, arms secured thereto, sign-carrying frames carried by said arms, signs carried by said frames, means for securing the ends of said arms to the lower portions of the ends of adjacent sign-carrying frames to secure ends together, and a brac-

ing member secured to the top portions of the ends of said frames.

5. In a device of the character set forth, a post-engaging member comprising more than two clamping segments and means for drawing said segments together, telescoping radial arms having their inner ends secured to said segments, a plurality of sign-carrying frames connected to the outer ends of said arms, and light permeable signs carried by said frames.

6. In sign-carrying frames, the combination of a large frame equipped at its bottom wall with a flange, resilient means supported by said flange and adapted to bear against a sign in said frame, with a smaller sign-carrying frame, a sign carried by said smaller frame, and means for securing said smaller frame to the bottom wall of said larger frame, said flange serving to prevent the removal of the sign from said smaller frame.

7. In a device of the character set forth, a post engaging member comprising a plurality of clamping segments, each of said segments having formed integrally therewith a single supporting arm, said arm having telescoping parts, a plurality of sign-carrying frames supported upon the outer ends of said arms, light permeable signs carried by said frames, and means for drawing said clamping segments together.

8. In a device of the character set forth, a post-engaging member comprising a plurality of clamping segments, each of said segments having formed integrally therewith and near its center a single radial supporting arm, means for drawing together the ends of said segments, a plurality of sign-carrying frames having their ends supported in adjacent relation by the outer end portions of said arms, and a plurality of signs carried in said frames.

9. In a device of the character set forth, a post-clamping member comprising a plurality of clamping elements, each of said elements consisting of a curved band equipped at its ends with out turned perforated flanges and a radial arm formed integrally with said band, said arm comprising inner and outer segments secured together in slidable relation, means for drawing together the ends of said clamping elements, and sign frames carried by said arms.

10. In a device of the character set forth, a post-engaging member, means for securing said member to a post, a plurality of signs, arms connected to said member and adapted to support said signs in the desired position, said arms comprising inner and outer segments having surfaces adapted to make sliding contact and one of said segments having U shaped flanges embracing the sides of said other segment, and means for adjustably securing said arm segments in the desired relation.

11. In a street sign, the combination of a street lamp, with a support therefor, a supporting unit comprising a plurality of separate clamping elements, each having a rigidly mounted, radially extending arm, and threaded means for securing said clamping elements about said support, and a sign unit comprising a plurality of radial, inwardly extending arms, adapted to slidably engage the arms on said supporting unit, said inwardly extending arms having outwardly extending flanges for supporting sign frames, sign frames having certain corners secured to said flanges, signs carried by the frames, and means for securing the other corners of said frames together, one of each pair of said arms being provided with an elongated slot and having guide flanges for engaging the other of the pair of arms, and securing means for the respective pairs of arms passing through the slots and engaging the arms to secure them in position.

12. In a device of the character set forth, a post-engaging member, means for securing said member to a post, a plurality of signs, arms connected to said member and adapted to support said signs in a desired position, said arms comprising inner and outer segments having surfaces in sliding contact, and means for adjustably securing said arm segments in the desired relation.

13. In combination, a plurality of light permeable signs, frame members carrying said signs and having their ends adjacent, adjustable arms having their outer ends supporting the ends of said frames and having their inner ends formed integrally with segmental post-engaging members, and means for releasably securing said segmental post-engaging members.

In testimony whereof I have hereunto set my hand this 19th day of April, 1929.

HELEN C. GATCHELL.