No. 716,098.

F. K. PLUMBLY.

Patented Dec. 16, 1902.

STREET GUIDE OR SIGN.

(Application filed Feb. 17, 1902.)

(No Model.)

Fig. 1,

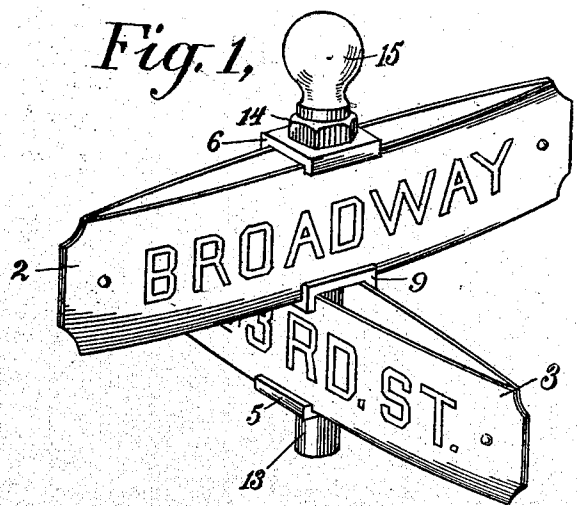


Fig. 5,

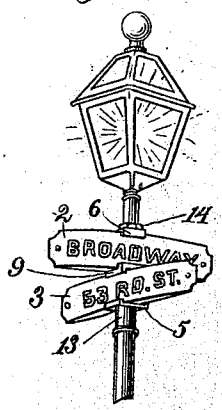


Fig. 3,

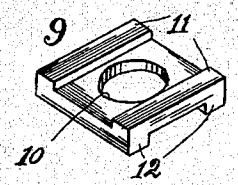


Fig. 2,

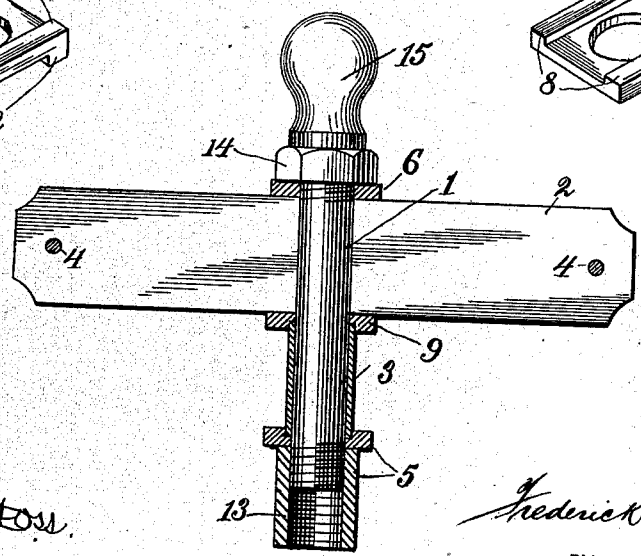
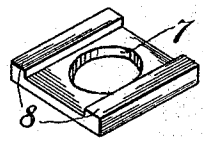


Fig. 4,



WITNESSES:

Harry L. Goss.

C. F. Carrington

INVENTOR

Frederick K. Plumbly

BY

Chapin & Hayward

his ATTORNEYS.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FREDERICK K. PLUMBLY, OF NEW YORK, N. Y.

STREET GUIDE OR SIGN.

SPECIFICATION forming part of Letters Patent No. 716,098, dated December 16, 1902.

Application filed February 17, 1902. Serial No. 94,401. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK K. PLUMBLY, a citizen of the United States of America, and a resident of the city, county, and State of New York, have invented certain new and useful Improvements in Street Guides or Signs, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

My invention relates to guides or signs for streets or highways; and it consists in certain improvements, novel details of construction, and combination of parts, as will be hereinafter more fully set forth.

The objects of my invention are to simplify the construction of guides or signs of this description, to lessen the cost of manufacture thereof, and to construct a guide or sign which may be readily applicable to posts at present in use and which may be conveniently employed in connection with electric-light, gas, or oil lamp posts.

I will now proceed to describe a street guide or sign embodying my invention and will then point out the novel features in claims.

In the drawings, Figure 1 is a perspective view of a street guide or sign embodying my invention. Fig. 2 is a view of same with certain parts in central vertical section and other parts in elevation. Figs. 3 and 4 are detail views in perspective of certain coupling-pieces employed. Fig. 5 is a side elevation of a street guide or sign embodying my invention applied to an ordinary gas-lamp post.

As a central support I provide a stem, designated in the drawings by the reference character 1 and which in the present embodiment of my invention consists of a tube or pipe. Upon opposite sides of this tubular stem or support are two sets of sign-plates 2 and 3. The sign-plates of each set are arranged back to back and are secured together at their outer ends, as by rivets 4. The sign-plates are preferably of metal and may conveniently be of enameled iron; but the material of which they are composed is no part of this invention, and they may be composed of any desirable material. A coupling-piece 5 surrounds the said stem and engages the lower edges of the plates comprising the lower set 3. Another similar coupling-piece 6 also surrounds the stem and engages the upper edges of the plates comprising the upper set 2. A detail view of one of these coupling-plates is shown in Fig. 4, and, as shown in such figure, there is an orifice 7, through which the stem 1 is adapted to pass, and there are shouldered portions 8, by which a small portion of the sides of the sign-plates, as well as the edges thereof, are embraced. These shouldered portions hold the sign-plates against the central stem or support and tend to prevent accidental displacement thereof. A double coupling-piece 9 is provided, which coupling-piece also surrounds the central stem and engages with the upper edges of the lower set of sign-plates 3 and with the lower edges of the upper set of sign-plates 2. This double coupling-piece is shown in detail in Fig. 3 and, as shown therein, has a central orifice 10, similar to the orifice 7 of the coupling-pieces 5 and 6, upwardly-projecting shouldered portions 11, and downwardly-projecting shouldered portions 12, arranged transversely of the upwardly-projecting shouldered portions 11. These shouldered portions embrace the sides of the sign-plates in proximity to the edges in the same manner as do the shouldered portions of the coupling-pieces 5 and 6, already referred to. The coupling-piece 9 tends not only to hold the sign-plates against the central stem or support, but, further, maintains the two sets of sign-plates in their predetermined relative positions with respect to each other. I provide the lower end of the tubular stem or support with a stationary abutment, which abutment may conveniently be a socket 13. This socket may be screwed or otherwise secured to the stem or support and will preferably project downwardly below same. I screw-thread the upper end of the central stem or support and provide the same with a lock-nut 14.

The parts may be assembled by first slipping the lower coupling-piece 5 onto the stem until it rests against the upper edge of the socket 13, by then placing the lower set 3 of sign-plates in position upon the stem 1 so that the lower edges thereof are engaged by the shouldered portions of the coupling-piece 5, by then slipping the double socket 9 onto the stem until it engages with the upper edges of

the lower set of sign-plates 3, by then placing the upper set 2 of sign-plates in position upon the stem so that the edges thereof will engage with the shouldered portions 11 of the double coupling-piece 9, by then slipping the upper coupling-piece 6 upon the stem until its shouldered portions 8 engage with the upper edges of the said upper set of sign-plates, and, lastly, by adjusting the nut 14 into place and by screwing it down until it firmly draws all the parts between it and the socket 13 together. The combination of elements thus described comprise in themselves a complete and marketable device. The device may now be mounted upon the top of a post specially provided for the purpose, and an ornamental knob or head, as 15, may be secured to a protruding end of the central tubular stem or support 1. If it is desired to attach the device to a gas-lamp post such as is commonly employed, the lamp or head thereof may be removed, as by unscrewing same from the post, and the device may be secured to the post in its place. The lamp or head may then be mounted upon the top of the device by screwing same onto the protruding end of the stem 1, and the lamp-post may be used as before, except that it will also be used as a street and direction indicator. The central stem or support 1 being hollow will form a gas connection between the gas-pipe of the post and the lamp or head. I have shown the device as so applied in Fig. 5 of the drawings. In a similar way the device may be applied to an electric-light post, and in such case the electric wires will be permitted to pass up through the central stem or support.

I have shown and described a socket as provided upon the lower end of the central tubular stem or support, such socket forming a stationary abutment against which the lower coupling-piece 5 rests. It is obvious, of course, that the coupling-piece may be secured against longitudinal movement upon the posts in other ways, if desired, as by rigidly securing it to the post by screw-threading it itself upon the post or otherwise. The socket has been shown as a convenient means for securing the device to a post provided for the purpose or for attaching it to lamp-posts already in use, as described.

It is obvious, of course, that modifications of the embodiment of my invention herein shown may be resorted to within the scope of my invention; and hence I do not desire to be limited to the precise details of construction.

What I claim is—

1. In a street guide or sign, the combination with a central stem or support, of two sign-plates arranged back to back and upon opposite sides of the said stem, the said plates secured together at their ends, coupling-pieces upon the stem in proximity with the plates at their opposite edges, one of said coupling-pieces secured against longitudinal movement upon said stem, and the other loosely mounted thereon, and a nut threaded upon said stem, and adapted to draw the said coupling-pieces and the plates between them together.

2. In a street guide or sign, the combination with a hollow central stem or support, of two sign-plates arranged back to back and upon opposite sides of the said stem, the said plates secured together at their ends, coupling-pieces upon the stem in proximity with the plates at their opposite edges, one of said coupling-pieces secured against longitudinal movement upon said stem, and the other loosely mounted thereon, and a nut threaded upon said stem, and adapted to draw the said coupling-pieces and the plates between them together.

3. In a street guide or sign, the combination with a central stem or support, of two sign-plates arranged back to back and upon opposite sides of the said stem, the said plates secured together at their ends, of shouldered coupling-pieces, as shown, upon the stem in proximity with the plates at their opposite edges, one of said coupling-pieces secured against longitudinal movement upon said stem, and the other loosely mounted thereon, together with a nut threaded upon said stem, and adapted to draw the said coupling-pieces and the plates between them together.

4. In a street guide or sign, the combination with a central stem or support, of two sets of sign-plates, each set comprising two plates arranged back to back, and upon opposite sides of said stem, the two plates of each set secured together at their outer ends, and the two sets arranged transversely of each other; a coupling-piece arranged upon the stem and between the two said sets of plates, coupling-pieces upon the said stem in proximity with the plates at their opposite edges, and a nut threaded upon said stem, and adapted to draw the said coupling-pieces and the plates between them together.

5. In a street guide or sign, the combination with a hollow central stem or support, of two sets of sign-plates, each set comprising two plates arranged back to back, and upon opposite sides of said stem, the two plates of each set secured together at their outer ends, and the two sets arranged transversely of each other; a coupling-piece arranged upon the stem, and between the two said sets of plates, coupling-pieces upon the said stem in proximity with the plates at their opposite edges, and a nut threaded upon said stem, and adapted to draw the said coupling-pieces and the plates between them together.

6. In a street guide or sign, the combination of a central tube 1, a socket 13, a coupling-piece 5, two sign-plates 3, arranged back to back upon opposite sides of the stem and engaging the said coupling-piece, said plates secured together at their outer ends, an intermediate coupling-piece 9, two other sign-plates 2, also arranged back to back, and upon opposite sides of the stem and secured to-

gether at their outer ends, said last two sign-plates arranged transversely of the first two sign-plates, the said intermediate coupling-piece 9 engaging all four of said sign-plates, a coupling-piece 6 engaging the opposite edges of said last-named sign-plates, and a nut 14 screw-threaded upon said tube, substantially as set forth.

7. As an article of manufacture, a street guide or sign having a central tube 1, a coupling-piece 5 secured against longitudinal movement, two sign-plates 3, arranged back to back upon opposite sides of the stem and engaging the said coupling-piece, said plates secured together at their outer ends, an intermediate coupling-piece 9, two other sign-plates 2, also arranged back to back, and upon opposite sides of the stem and secured together at their outer ends, said last two sign-plates arranged transversely of the first two sign-plates, the said intermediate coupling-piece 9 engaging all four of said sign-plates, a coupling-piece 6 engaging the opposite edges of said last-named sign-plates, and a nut 14 screw-threaded upon said tube, substantially as set forth.

FREDERICK K. PLUMBLY.

Witnesses:

D. HOWARD HAYWOOD,

M. M. CONOVER.