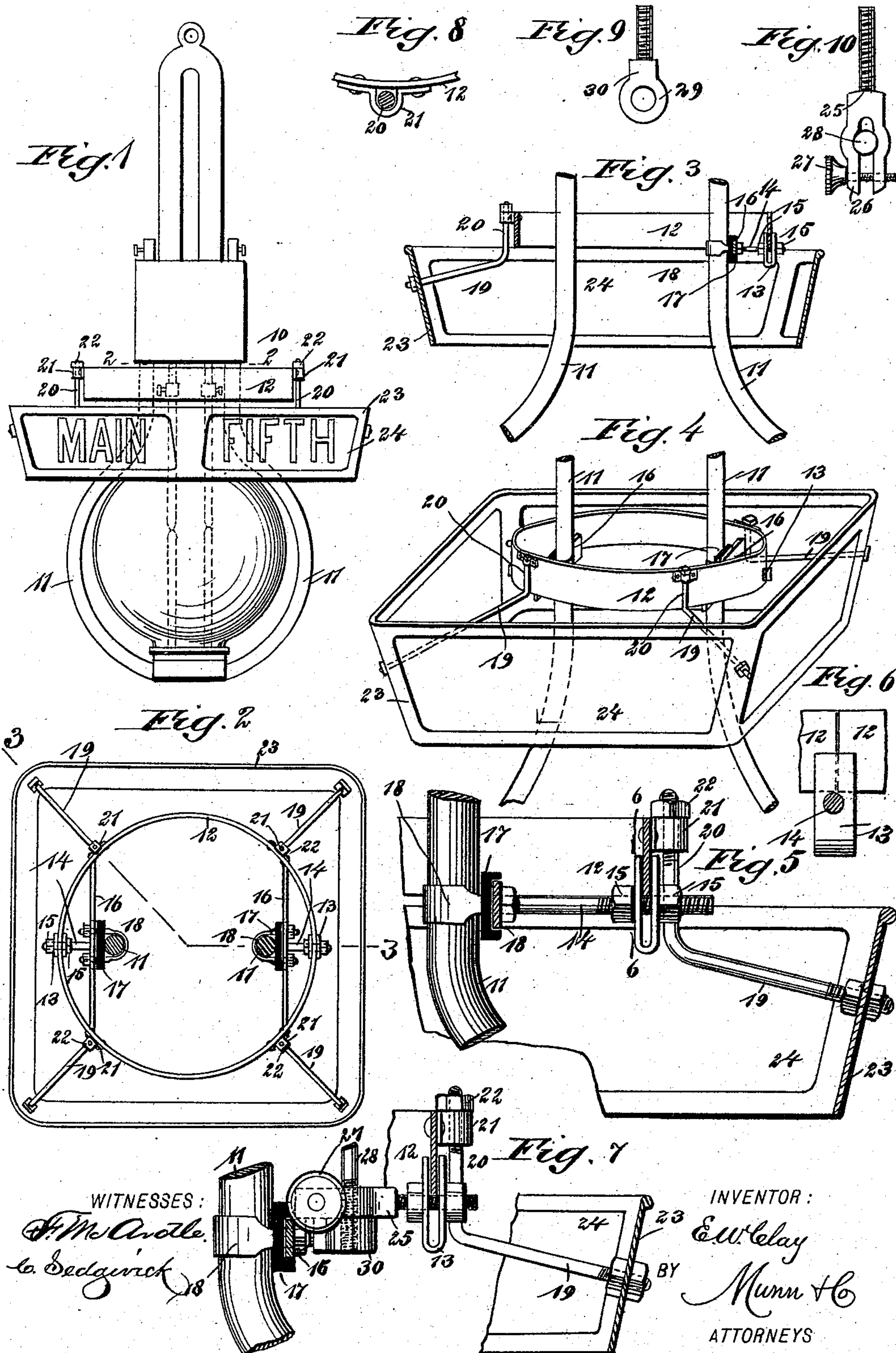


(No Model.)

E. W. CLAY.
SIGN FOR ELECTRIC LAMPS.

No. 486,324.

Patented Nov. 15, 1892.



UNITED STATES PATENT OFFICE.

EDWIN W. CLAY, OF LOUISVILLE, KENTUCKY.

SIGN FOR ELECTRIC LAMPS.

SPECIFICATION forming part of Letters Patent No. 486,324, dated November 15, 1892.

Application filed June 21, 1892. Serial No. 437,466. (No model.)

To all whom it may concern:

Be it known that I, EDWIN W. CLAY, of Louisville, in the county of Jefferson and State of Kentucky, have invented a new and Improved Sign for Electric Lamps, of which the following is a full, clear, and exact description.

My invention relates to improvements in signs such as are adapted to be secured to lamps of various kinds and have the names upon them illuminated by the lamps; and the object of my invention is to produce a simple and convenient sign which may be easily attached to an ordinary arc lamp, which may be adjusted and securely attached to the lamp-frame, which is held in such a way that the words upon the sign may be distinctly seen either in the day-time or at night, and which is especially adapted for use upon streets, as it may be made to display to advantage the names of intersecting or crossing streets.

To this end my invention consists in certain features of construction and combinations of parts, which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of an arc lamp provided with my improved attachments. Fig. 2 is a sectional plan on the line 2 2 in Fig. 1. Fig. 3 is a vertical section of the sign-frame and its supports on the line 3 3 in Fig. 1. Fig. 4 is a perspective view of the frame as applied to the lamp-frame. Fig. 5 is a broken enlarged sectional view showing in detail the supports of the sign-frame. Fig. 6 is a detail section on the line 6 6 in Fig. 5, showing the manner of making connection between the lamp-frame and the sign-supporting ring. Fig. 7 is a broken sectional view similar to that shown in Fig. 5, but illustrating a modified means of supporting the sign. Fig. 8 is a broken sectional plan of the supporting-ring and one of the clamps which connect it with the sign-frame bolts. Fig. 9 is a detail view of an eyebolt used in the modified form shown in Fig. 7; and Fig. 10 is a detail view of a clamping-bolt, also used in the modified construction.

The arc lamp 10 is of the usual kind and

may be of any kind, the lamp having the usual frame with curved side pieces 11, and to this frame is secured a ring 12, which encircles the frame and is held above the globe of the lamp. The ring 12 has on diametrically-opposite sides U-shaped clamping-pieces 13, which are secured to the ring, and bolts 14 extend through these clamping-pieces, the bolts having lock-nuts 15, which jam the clamping-pieces firmly upon the ring. The ring is preferably split, as shown in Fig. 6, to facilitate its easy application to the lamp. The inner ends of the bolts 14 project through braces 16 and into clamping-plates 17, which latter are firmly held to the side pieces 11 of the lamp-frame by clamps 18, as best shown in Figs. 2 and 5. The clamping-plates have flanges at their edges which embrace the braces 16, and thus strengthen the clamps and braces. The braces 16 extend across the ring 12 on opposite sides and serve to stiffen the ring. Extending outward and downward from four sides of the ring are rods 19, the inner ends of which are bent upward and made to lie flatwise against the ring 12, as shown at 20, these ends being attached to the rings by means of clamping-straps 21, which embrace the rods and are firmly secured to the ring. The upper ends of the rods are also provided with nuts 22, which prevent them from dropping. The outer ends of the rods are firmly bolted to the sign-frame 23, which is preferably of rectangular shape, having open side panels 24, in which the letters of the sign are displayed, as shown in Fig. 1, and these panels may be covered with glass of any desired color and the letters of the sign are produced upon the glass. It will be understood that the shape of the frame may be changed, if desired, and a greater or less number of supporting-rods may be secured to it.

To facilitate the sliding of the frame 23 up and down on lamps which cannot be easily reached to be trimmed, the construction shown in Figs. 7, 9, and 10 is employed. Here the bolts 14 are dispensed with, and a clamping-bolt 25, with a split head 26, which may be forced together by a set-screw 27, extending through the jaws of the head, is screwed into the clamping-piece 13 and held to jam the clamping-piece upon the ring 12, and a vertical bolt 28 is held in the jaws of the head 26. The

bolt 28 is also adapted to screw into the eye 29 of an eyebolt 30, which eyebolt is screwed into the clamping-plate 17 and the eye of the eyebolt extends directly beneath the head of the clamping-bolt 25. It will be seen that when this construction is used the set-screws 27 may be loosened and the frame 23 may be pushed up and down, sliding on the bolts 28, and by this means the lamp-trimmer may push the frame up out of the way, so that the lamp may be easily reached.

When the sign is used at street-corners, it is arranged so that two of its sides will be as nearly parallel as possible with the intersecting streets, and the name of one street is produced on one side of the sign and the name of other street on the second side of the sign.

It will be understood that a sign upon the frame 23 will show up prominently in the day-time even, and when the lamp is lighted at night the letters will stand out very plainly, and consequently the device serves nicely as an advertising medium.

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

1. A sign for electric lamps, comprising a ring adapted to embrace the upper portion of a lamp-frame, transverse braces arranged within and on opposite sides of the ring, clamps to secure the braces to the lamp-frame, and a sign-frame supported by rods attached to the ring, the frame having paneled sides in which the letters of the sign may be arranged, substantially as described.

2. A sign for electric lamps, comprising a ring arranged to embrace the upper portion of the lamp-frame, an open-paneled frame suspended from the ring, clamping mechanism for attaching the ring to the lamp-frame, and means for adjusting the ring vertically on the clamping mechanism, substantially as described.

3. The combination, with the lamp-frame, of upwardly-extending bolts or supports clamped to the frame and arranged on opposite sides thereof, a ring adapted to embrace the lamp-frame and the supports, bolts clamped to the ring and having split heads to slide on the supports, fastening-screws to clamp the bolt-heads to the supports, and a sign-frame suspended from the ring, all substantially as described.

4. The combination, with the lamp-frame, of clamping-pieces fastened to the sides of the frame, outwardly-extending eyebolts secured to the clamping-pieces, upwardly-extending bolts or supports secured in the eyebolts, outwardly-extending bolts having split heads which are held to slide on the supports, fastening-screws for securing the split heads to the supports, a ring clamped to the outwardly-extending sliding bolts, and a sign-frame suspended from the ring, substantially as described.

EDWIN W. CLAY.

Witnesses:

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