

(No Model.)

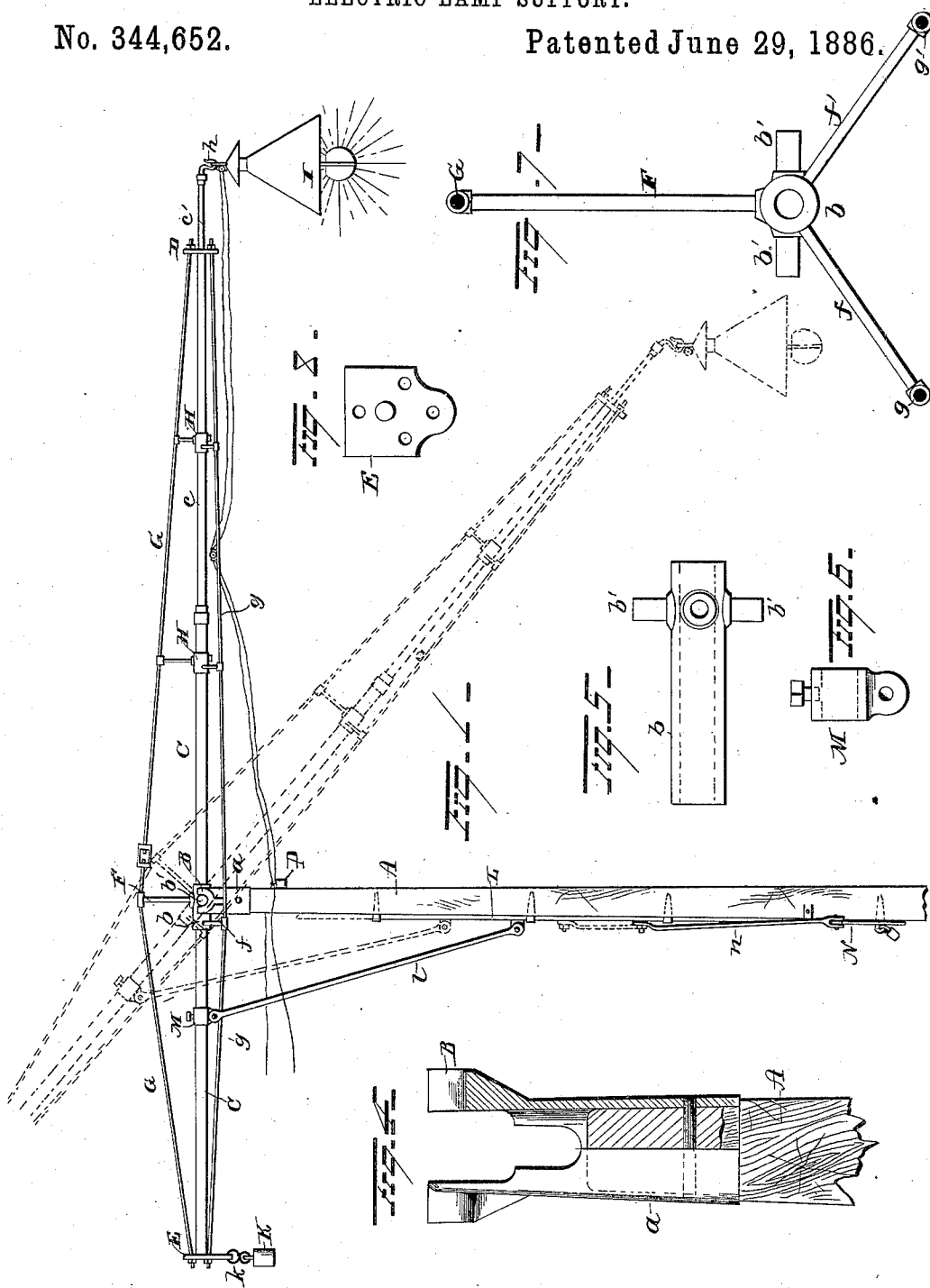
2 Sheets—Sheet 1.

G. J. HAMMERSTEIN.

ELECTRIC LAMP SUPPORT.

No. 344,652.

Patented June 29, 1886.



WITNESSES

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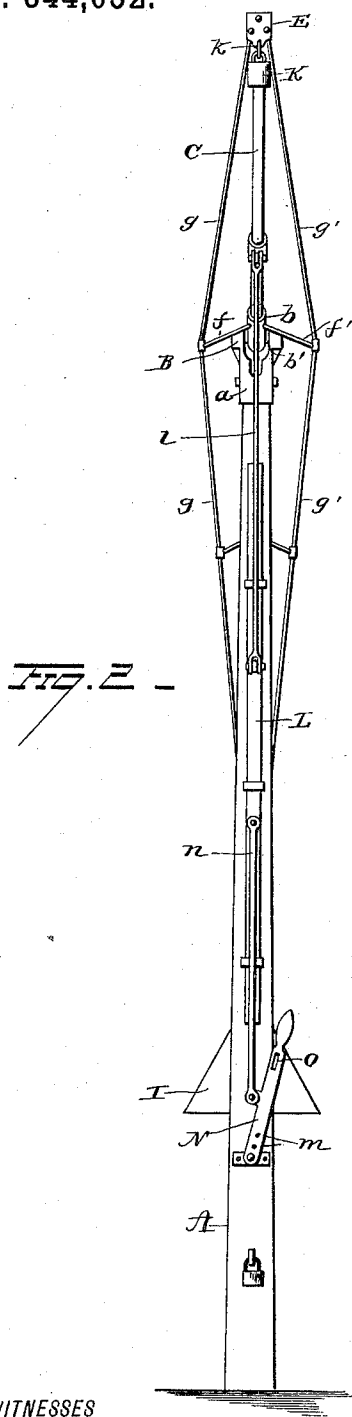


FIG. 2 -

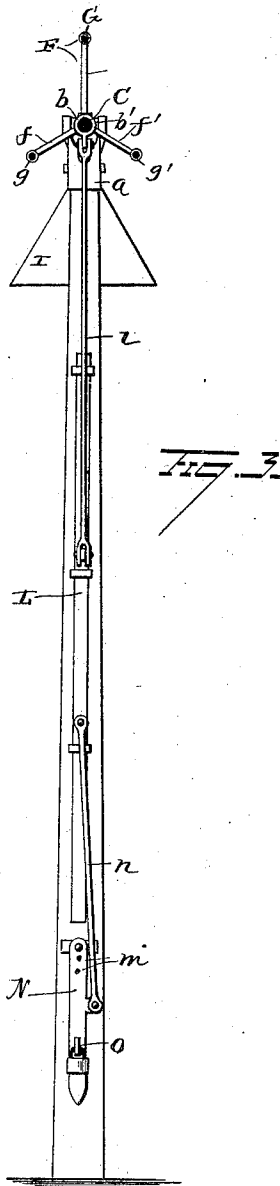


FIG. 3 -

WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE JAMES HAMMERSTEIN, OF TERRE HAUTE, IND., ASSIGNOR TO THE
TERRE HAUTE ELECTRIC LIGHT AND POWER COMPANY, OF SAME PLACE.

ELECTRIC-LAMP SUPPORT.

SPECIFICATION forming part of Letters Patent No. 344,652, dated June 29, 1886.

Application filed February 26, 1886. Serial No. 193,313. (No model.)

To all whom it may concern:

Be it known that I, GEORGE JAMES HAMMERSTEIN, of Terre Haute, in the county of Vigo and State of Indiana, have invented certain
5 new and useful Improvements in Electric-Lamp Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

My invention relates to an improvement in electric-lamp supports.

The object is to provide means for suspending an electric lamp at a considerable distance
15 from an upright standard, and to further provide simple and convenient means for lowering the lamp, for replenishing the carbon, or for any other desired purpose.

With these ends in view my invention consists in certain features of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of the support, showing the lamp suspended therefrom, its tilted adjustment being
25 shown in the same figure by dotted lines. Fig. 2 is an end view showing the position of the parts when the sweep is tilted and lamp depressed, and Fig. 3 is a similar view showing the position of parts when the lamp is elevated.
30 Figs. 4, 5, 6, 7, and 8 are detached views of parts.

A represents a standard, post, or pole, provided at its upper end with a metallic cap, *a*.
35 The upper end of the cap *a* is bifurcated, the ends of its branches being provided with half-bearings B. A sleeve, *b*, having a pair of trunnions, *b'*, formed thereon or rigidly secured thereto, is adapted to rest in the cap *a*, with
40 its trunnions in the half-bearings B. The main section C of the sweep is secured within the sleeve *b* by means of a set-screw or other approved fastening, and extends preferably about equal distances on each side of the standard.
45 The sweep-section C is preferably hollow, since such construction combines lightness and economy of material. An extension of the sweep is formed by securing a reduced section, *c*, in the end of the section C. A metallic cap, D,
50 is secured on the end of the section *c*, and a metallic cap, E, is secured on the free end of

the section C. Three truss-rod supports, F, *f*, and *f'*, are set in the sleeve *b*, one extending upwardly, and the other two extending downwardly and outwardly therefrom. Through
55 the ends of the supports F *f* *f'* the truss-rods G, *g*, and *g'* extend, and are secured at their ends to the caps D and E. The said truss-rods are further supported at intervals between the sleeve B and the cap D by rods set in ad-
60 justable collars H H, &c. A still further extension of the sweep is provided by the reduced section *c'*, set in the end of the section *c* or in the cap D. The free end of the section *c'* is provided with a hook, *h*, from which the lamp
65 I is suspended. A counterpoise, K, is suspended from the cap E on the end of the section C by means of a hook, *k*. The sweep thus constructed and mounted in the top of the
70 standard A is tilted by means of a sliding rod or bar, L, secured to the side of the pole in suitable bearings, and connected with the counterpoise end of the sweep by a diagonal connecting-rod, *l*. The upper end of the rod *l* is
75 hinged to an adjustable collar, M, on the section C, and the lower end of the said rod is hinged to a lug or lugs on the rod or bar L. The rod or bar L is slid by means of a lever, N, pivotally secured at one end to the pole or
80 standard, and connected at or near its central portion with the slide L by means of the connecting-rod *n*. The end of the lever secured to the pole or standard is provided with a series of perforations, *m*, for adjusting it to the
85 standard at different distances from its connection with the connecting-rod *n*. The handle end of the lever is provided with a slot, O, adapted to slip over a hasp and belocked thereon by a padlock or other suitable means.

The operation of the device is apparent from
90 the drawings, and needs no further mention. The adjustment of the rod *l* at different distances from the sleeve B and the adjustment of the lever will cause the sweep to tilt more or less, as may be required. A bracket, P, on
95 the standard near the top supports the wires, and they lead from thence over a spool or other support on the trusses to and from the lamp.

It is evident that slight changes might be resorted to in the form and arrangement of the
100 several parts described without departing from the spirit and scope of my invention; hence I

do not wish to limit myself strictly to the construction herein set forth; but,

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

1. In a support for lamps, the combination, with a standard and a sweep hinged in its upper end, of a slide secured to the standard and connected with the sweep, and means for operating the slide, and thereby tilting the sweep, substantially as set forth.

2. In a support for lamps, the combination, with a standard and a balanced sweep hinged in its upper end, of a slide secured to the pole and connected with the sweep, and means for operating the slide, and thereby tilting the sweep, substantially as set forth.

3. In a support for lamps, the combination, with a standard and a balanced sweep hinged in its upper end, of means for tilting the sweep, consisting, essentially, of the slide, the lever, and rods connecting the lever with the slide and the slide with the sweep, substantially as set forth.

4. The combination, with the standard, of the trussed sweep hinged to its upper end, a slide secured to the standard and connected with the trussed sweep, and means for operating the slide.

5. In a lamp-support, the combination, with the standard and the bifurcated cap secured thereon, of the trussed sweep balanced in the cap, a slide secured to the standard and connected with the sweep, and means for operating the slide, substantially as set forth.

6. In a lamp-support, the combination, with the standard and the sweep hinged in its top, of the slide and operating-lever, and the connecting-rod attached to a sliding collar on the sweep, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

GEORGE JAMES HAMMERSTEIN.

Witnesses:

EDWIN ELLIS,
DAVID W. HENRY.