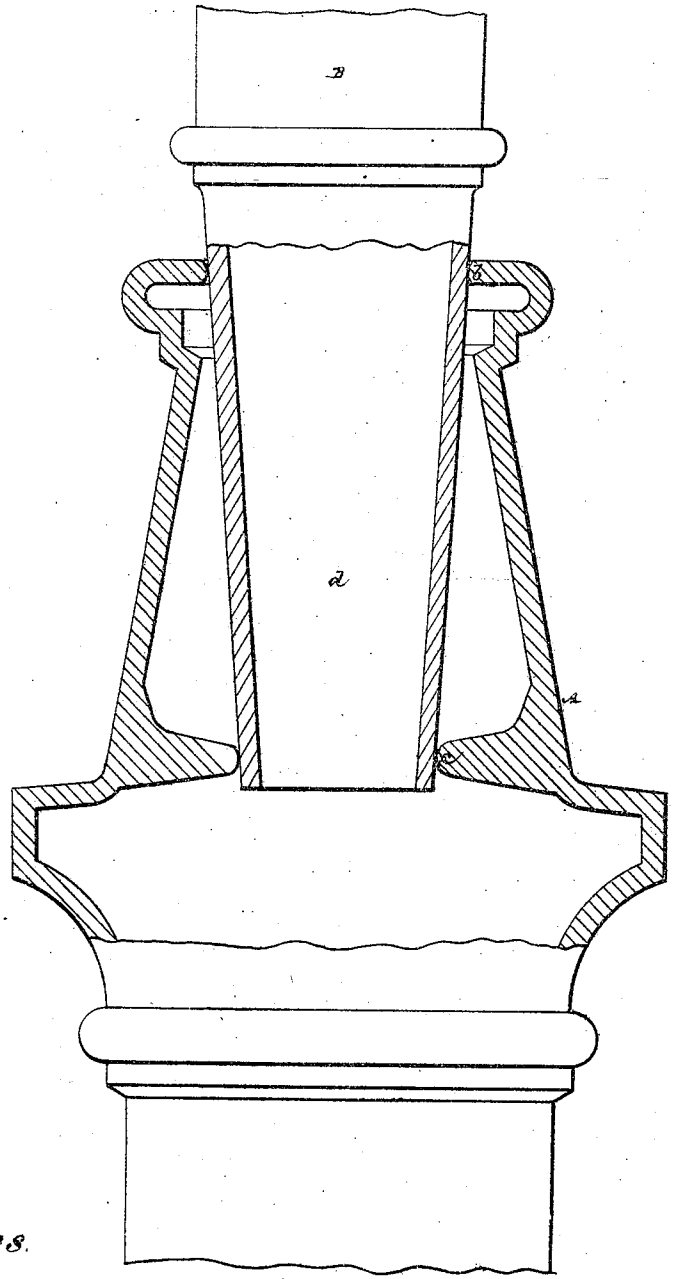
LYMAN A. GOUCH.

Improvement in Lamp Posts.

No. 121,165. Patented Nov. 21, 1871.



Witnesses.
Fred Haynes
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UNITED STATES PATENT OFFICE.

LYMAN A. GOUCH, OF YONKERS, NEW YORK.

IMPROVEMENT IN LAMP-POSTS.

Specification forming part of Letters Patent No. 121,165, dated November 21, 1871.

To all whom it may concern:

Be it known that I, LYMAN A. GOUCH, of Yonkers, in the county of Westchester and State of New York, have invented a new and useful Improvement in Lamp-Posts, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing forming part of this specification, and which represents a vertical section of the adjacent ends or portions of the base part and upper portion of a lamp-post in accordance with my invention.

This invention relates to lamp-posts for street and other places or purposes, in which the post is composed of a base part and upper portion made separate the one from the other, and constructed so that the upper portion fits into and is carried or supported by the base part. Heretofore, in such construction of lamp-post, it has been customary to make the lower end of the upper portion straight or cylindrical, and to enter it freely or loosely within a socket formed in the upper part of the base piece, and to fill up the intervening space with lead or other soft metal or alloy. In thus uniting the upper and lower portions of the post there is a great liability of the upper part working loose in the base piece, or of the upper part being strained out of the perpendicular, as, for instance, by weight applied to said part at or near its top on the one side, by the action of the wind on it, or by the exposure of the post to a hot sun more on the one side than the other, thereby producing an unequal expansion of the soft-metal filling and permanent displacement of it when contraction takes place. My invention dispenses with a soft-metal filling or support at the junction of the upper part with the base piece, and insures a steady and firm fit of the two together, so that the upper part cannot be forced out of the perpendicular without the base piece, by making the latter at its top with an upper internal flange and lower internal flange of different diameters, and constructing the stem of the upper part of the post of a tapering form to correspond, so that, while there is no accuracy of fit necessary, the upper part may be dropped to its place in the base piece and wedge itself into support within the latter, free from all lateral displacement whatever.

In the accompanying drawing, A represents the base part of the post, formed with an upper internal flange, *b*, and lower internal flange, *c*, of different diameters, and arranged at suitable distances apart to constitute a steady support to the upper part B of the post, which part is formed with a tapering stem, *d*, to correspond with and snugly fit within the differential internal flanges *b* and *c*, as and for the purposes hereinbefore cited.

To obtain a vertical adjustment of the upper part B of the post in the base part A and secure it therein wedges may be inserted or driven down into the upper portion of the base part, between the upper internal flange *b* and the stem *d*—that is, when said stem makes a close fit with the lower internal flange, but a loose fit with the upper one, *b*, to admit of the insertion of such wedges.

What is here claimed, and desired to be secured by Letters Patent, is—

The combination of the upper internal flange *b* and lower internal flange *c* of different diameters, formed in the upper portion of the base part A of the post, with the tapering stem *d* of the upper part B of the post, arranged to fit within said flanges, substantially as specified.

L. A. GOUCH.

Witnesses:

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