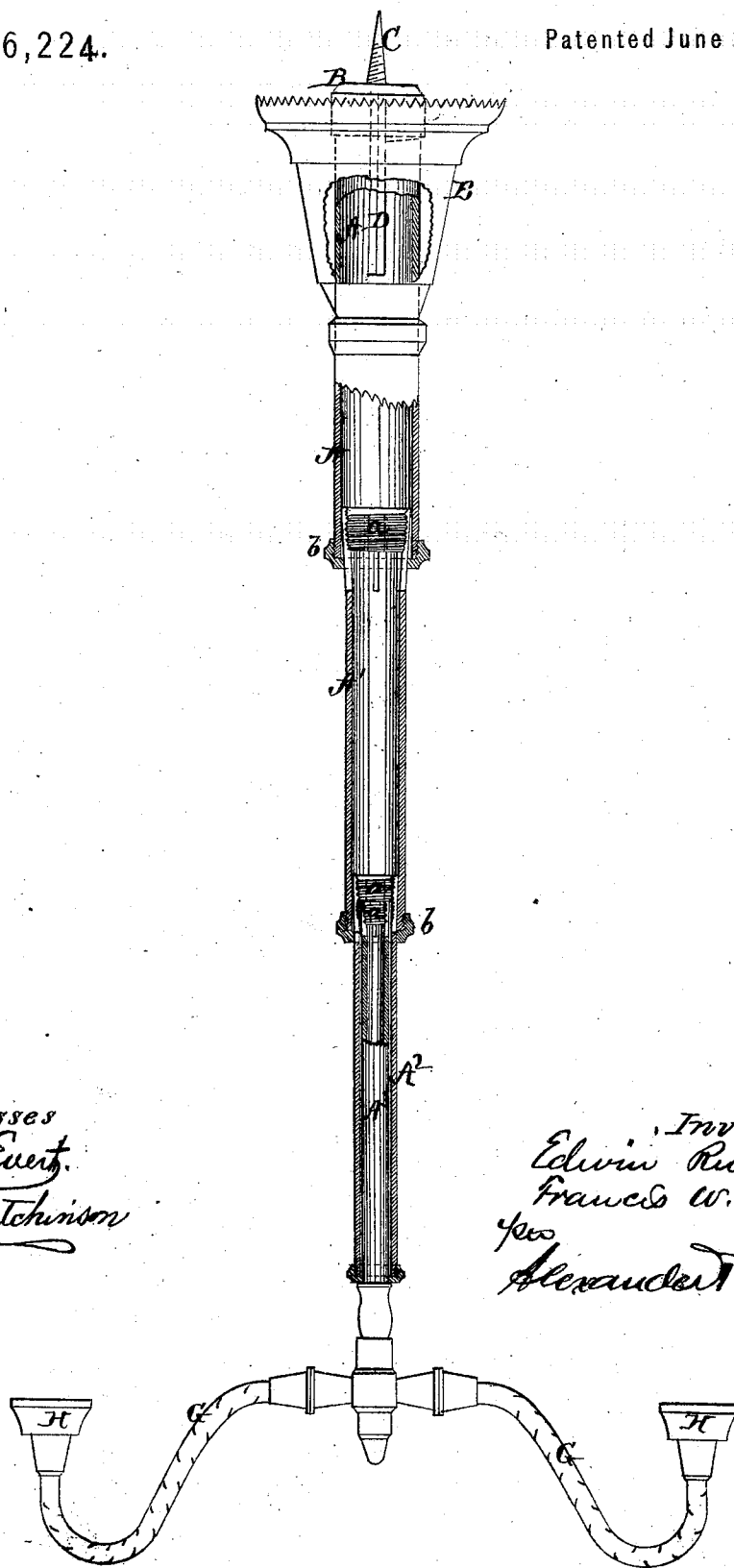


E. RUSSELL & F. W. PRATT.

Improvement in Lamp-Supporters.

No. 116,224.

Patented June 20, 1871.



Witnesses
Le. L. Ewert.
Jas. E. Hutchinson

Inventor
Edwin Russell.
Francis W. Pratt
per
Alexander Massey
attys.

UNITED STATES PATENT OFFICE.

EDWIN RUSSELL AND FRANCIS W. PLATT, OF WATERBURY, CONNECTICUT.

IMPROVEMENT IN LAMP-SUPPORTERS.

Specification forming part of Letters Patent No. 116,224, dated June 20, 1871.

To all whom it may concern:

Be it known that we, EDWIN RUSSELL and FRANCIS W. PLATT, of Waterbury, in the county of New Haven and in the State of Connecticut, have invented certain new and useful Improvements in Lamp-Supporter or Bracket; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of our invention consists in the construction and arrangement of an extension-bracket or support for lamps, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a side view, part in section, of our bracket or support.

A, A¹, A², and A³ represent four tubes of about the same length, but of different diameter, so that they can be shut up on the telescopic plan. The upper largest tube A is provided at its upper end with a screw-cap, B, with a screw, C, pointing upward to be inserted in the ceiling. From the center of the cap B a square pin, D, projects downward into the tube A, for a purpose that will be presently described. Surrounding the upper end of the tube A is an ornamental collar, E, or other device, to hide the joint between the ceiling and the bracket. The upper end of the second tube A¹ is sawed lengthwise about an inch from the end, and stamped large enough to fill the tube A. It is made to impinge against the sides of the larger tube A with sufficient force to hold lamps of different weights by means of a tapering screw, *a*, which can be adjusted to any weight of lamp desired. A collar, *b*, is then screwed on the lower end of the tube A, holding the tube A¹ in its place and allowing it to be readily taken apart when necessary. In precisely the same manner the tube A² is attached to the tube A¹, and as many more tubes as may be desired may be attached

in the same manner. To the lower end of the lowest tube are secured arms G G, with cup-shaped holders H H to receive the lamps. The screws *a a* in the upper ends of the tubes A¹ A² are adjusted by shutting the tubes together and turning the one that needs tightening—that is, turning the tube that needs tightening, all the screws being held by the pin D entering a hole made for that purpose in each screw.

The tubes, which are slotted at their upper ends, may be made to impinge against the sides of the next larger tubes by a metal spring or elastic rubber spring, as well as by a tapering plug with screw-thread, as above set forth.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A series of tubes closing within each other on the telescopic plan, when said tubes have their upper ends slotted and spread so as to impinge against the inside of the next larger tubes, the force being maintained substantially by the means and for the purposes herein set forth.

2. In combination with a series of tubes, constructed and arranged as herein described, the collars *b b* screwed on the lower ends of the tubes to hold the next smaller one in its place, substantially as set forth.

3. The combination of the sliding tubes A¹ A² A³ with slotted end, adjusting-screws *a a*, and pin D, substantially as and for the purposes herein set forth.

4. The combination of the tubes A A¹ A² A³, screw-cap B, screw C, pin D, screws *a a*, collars *b b*, arms G G, and holders H H, all constructed and arranged substantially as shown and described, and for the purposes herein set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 8th day of May, 1871.

EDWIN RUSSELL.
FRANCIS W. PLATT.

Witnesses:

NELSON A. WELTON,
FRANKLIN L. WELTON.