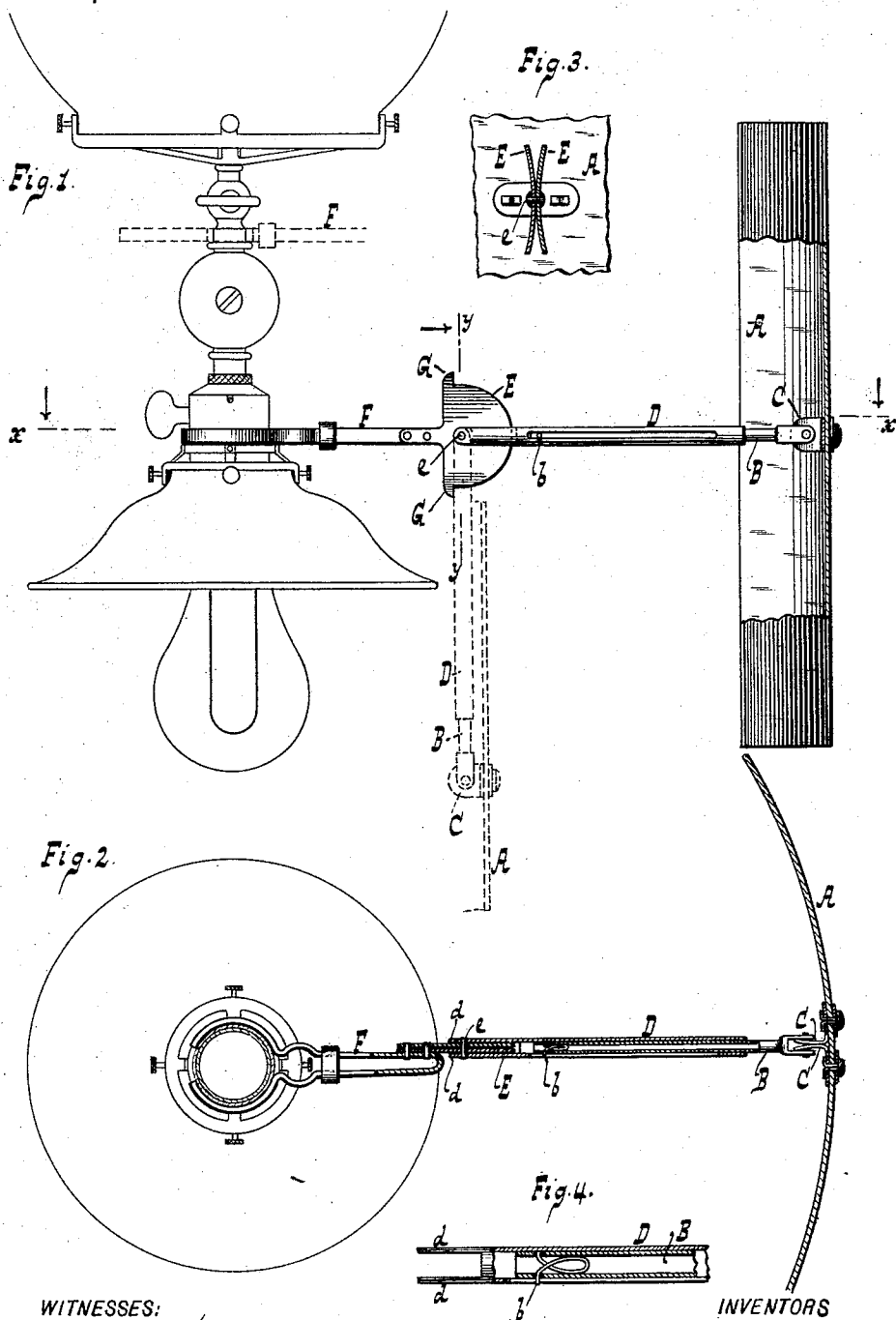


(No Model.)

M. BAUER, L. HARRY & J. BUNGER.
LAMP SHADE SUPPORT.

No. 484,695.

Patented Oct. 18, 1892.



WITNESSES:
William Miller
Edward Wolff

INVENTORS
Max Bauer
Louis Harry
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by *Vaubert & Hauff* their ATTORNEYS.

UNITED STATES PATENT OFFICE.

MAX BAUER, LOUIS HARRY, AND JOHN BUNGER, OF GREENVILLE, NEW JERSEY.

LAMP-SHADE SUPPORT.

SPECIFICATION forming part of Letters Patent No. 484,695, dated October 18, 1892.

Application filed December 10, 1891. Serial No. 414,581. (No model.)

To all whom it may concern:

Be it known that we, MAX BAUER, a citizen of the German Empire, LOUIS HARRY, a subject of the Emperor of Austria-Hungary, and JOHN BUNGER, a citizen of the United States, all residing at Greenville, in the county of Hudson and State of New Jersey, have invented new and useful Improvements in Lamp-Shade Supports, of which the following is a specification.

This invention relates to an improvement in lamp-shade supporters; and the invention consists in the details of construction set forth in the following specification and claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation, partly in section, of a shade and supporter. Fig. 2 is a section along $x x$, Fig. 1. Fig. 3 is a section along $y y$, Fig. 1. Fig. 4 is a detail sectional view of a sliding bar.

The shade A is connected to the bar B by friction-plates C, the bar B being jointed or pivoted to the laterally-compressible elastic friction-plates and being forked, so as to straddle said plates. The bar B slides in the tube D, and said bar is provided with a friction-spring b , one end of said spring projecting through a slot in the tube to prevent the bar from turning, while the other end of the spring exerts friction against the tube D to prevent the bar B from accidentally sliding out of adjustment when the shade, for example, is in such a position as indicated by broken lines in Fig. 1.

The tube D has a bifurcated or forked end d , which straddles the laterally-compressible elastic friction-plates E, and said tube is jointed or pivoted at e to said friction-plates E. The friction-plates E retain the tube D and the lamp-shade in any position to which they may be swung about pivot e . The friction-plates E have one or more stops G to limit the motion of the tube D, or said stops, if desired, may be omitted.

The friction-plates E are secured to the clamp F. By forming the clamp with two por-

tions of different sizes, as seen in Fig. 2, one clamping portion may be used to secure the shade to an electric-light fixture, as seen in full lines in Fig. 1, while the other clamping portion may be used to secure the shade to a gas-bracket, as indicated by dotted lines in Fig. 1.

What we claim as new, and desire to secure by Letters Patent, is—

1. The combination of a clamp provided with a pair of laterally-compressible friction-plates E, a tube D, jointed to and made to straddle said elastic friction-plates, a bar B, slidable in the tube and having a friction-spring b for holding it in its adjusted position, and a shade A, provided with a pair of laterally-compressible elastic friction-plates C, said sliding bar having a forked end jointed to and made to straddle the elastic friction-plates of the shade, substantially as described.

2. The combination, with a clamp comprising two clamping portions of different sizes and provided with friction-plates, of a tube jointed to and made to straddle said plates, a bar provided with a friction-spring and made to slide in said tube, and a shade provided with friction-plates, said bar being jointed to and made to straddle the friction plates of the shade, substantially as described.

3. The combination, with a clamp provided with friction-plates having one or more stops, of a tube jointed to and made to straddle said plates, a bar made to slide in said tube, and a shade provided with friction-plates, said bar being jointed to and made to straddle the friction-plates of the shade, substantially as described.

In testimony whereof we have hereunto set our hands in the presence of two subscribing witnesses.

MAX BAUER.
LOUIS HARRY.
JOHN BUNGER.

Witnesses:

WM. C. HAUFF,
E. F. KASTENHUBER.