

(No Model.)

H. H. LEVETT.

CARBON HOLDER.

No. 327,282.

Patented Sept. 29, 1885.

Fig. 1.

Fig. 2.

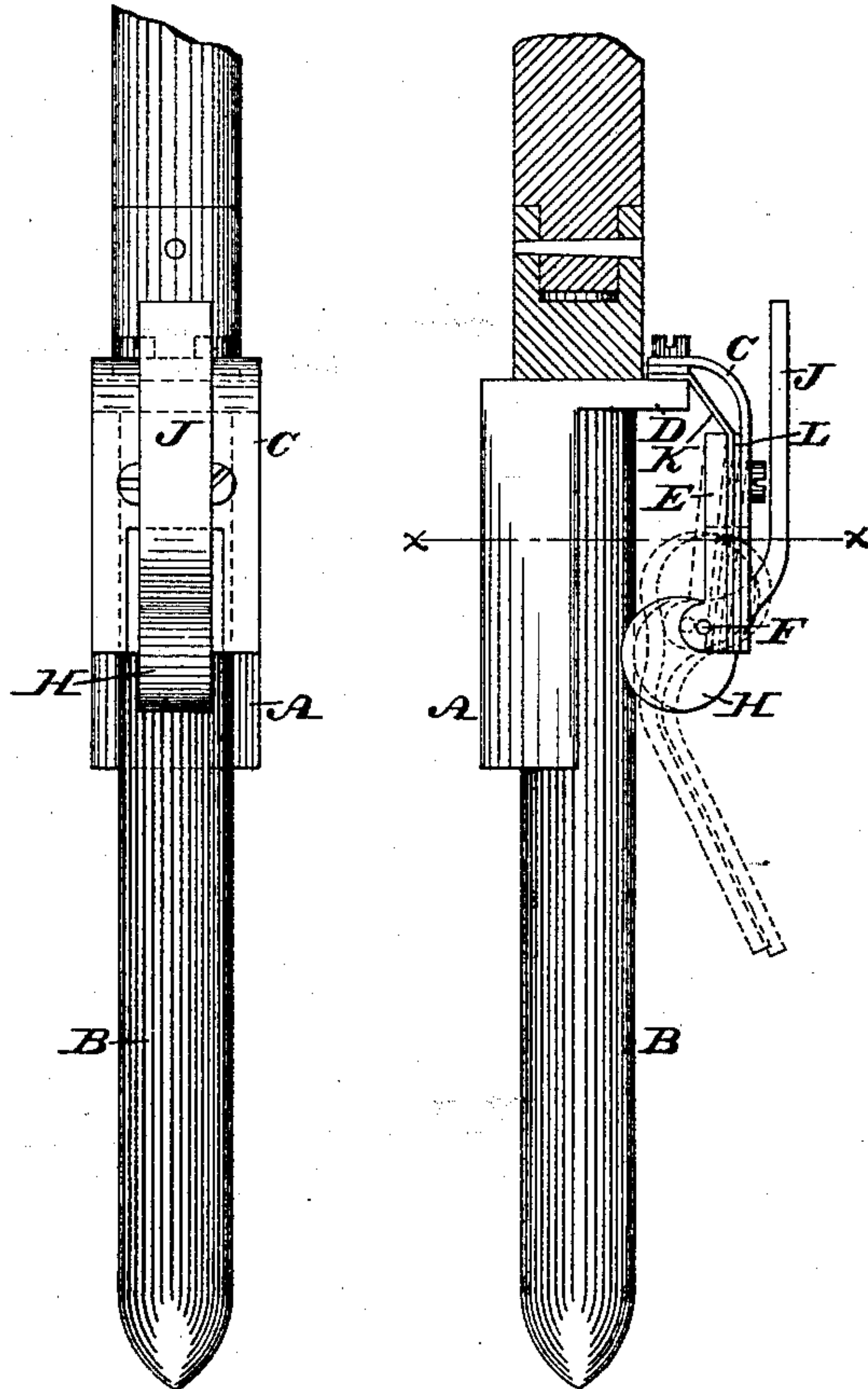
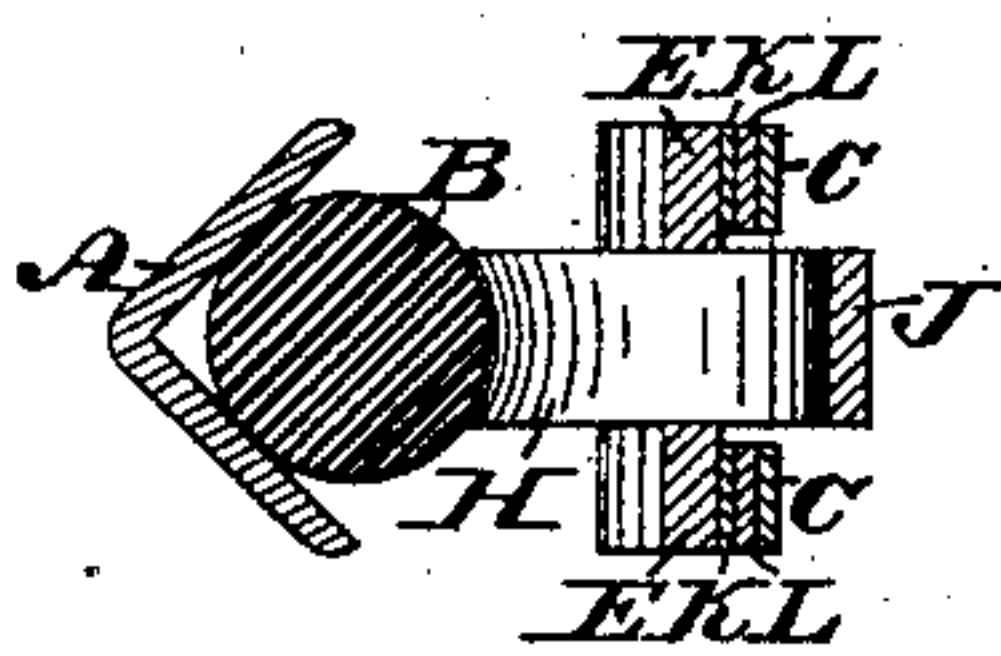


Fig. 3.



WITNESSES:

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## CARBON-HOLDER.

SPECIFICATION forming part of Letters Patent No. 327,282, dated September 29, 1885.

Application filed May 18, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY H. LEVETT, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Carbon-Holders for Electric Lights, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figures 1 and 2 represent side elevations of a carbon-holder embodying my invention. Fig. 3 represents a section thereof in line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of a carbon-holder provided with an eccentric, which is adapted to clamp the carbon and hold it firmly in the block or V-shaped guide.

It also consists of a spring adapted to support the eccentric, permit the eccentric to yield during its rotations on the carbon, and occasion a firm contact of the parts.

It also consists of a packing of asbestos or other non conducting material interposed between the spring and the plate, which forms the bearings for the axis of the eccentric.

It further consists of means for diffusing the heat communicated to the holder.

Referring to the drawings, A represents a guide having a groove, usually V-shaped, in which the carbon B is seated, said guide being connected with the carbon rod in any suitable manner.

C represents a bent metallic spring, one limb of which is attached to an arm, D, projecting from the upper end of the guide A, and the other limb extends vertically, and has secured to its inner face a metallic plate, E, the lower portion whereof forms the bearings for the axis F of an eccentric, H, the face of which is adapted to be brought into contact with the side of the carbon B, said eccentric having a handle, J, for operating purposes.

The ends of the plate E and arm D are connected by a strip, K, of metal, preferably copper, and interposed between the ends of said

strip and the spring C is a packing, L, of asbestos or other suitable material.

It will be seen that when the carbon is fitted to the guide and the eccentric is properly rotated the face of said eccentric bears or tightens against the carbon, and thus clamps the latter to the guide in a firm and reliable manner, it being noticed that the spring C yields, permitting the rotary motions of the eccentric on the carbon, and the eccentric has a firm contact with the carbon.

By rotating the eccentric in the reversed direction its holding-power on the carbon is relieved, and thus the latter may be readily withdrawn from the guides, as is evident.

The packing L prevents heating of the spring, and the strip K serves to conduct any heat communicated to the plate E to the arm D, and thus diffuse the same throughout the guide and connected parts of the holder.

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

1. A carbon-holder consisting of a guide having an arm, D, a spring, C, secured to said arm, a metallic plate secured to said spring, and an eccentric journaled in said plate, substantially as and for the purpose set forth.

2. The V-shaped guide A, having an arm, in combination with a spring secured to said guide and carrying a plate in which is journaled an eccentric, substantially as and for the purpose set forth.

3. A carbon holder having a guide, a clamp, and a supporting-spring for said clamp, and a packing of non-conducting material interposed between said spring and the bearing of said clamp, substantially as described.

4. A carbon-holder having a clamping device and a strip of metal between the bearings of said device and the guide of the holder for diffusing heat, substantially as described.

HENRY H. LEVETT.

Witnesses:

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A. P. GRANT.