No. 702,514. Patented June 17, 1902.

S. B. WHINERY.

CARBON HOLDER.

(Application filed Mar. 18, 1902.)

(No Model.)

Fig. I.

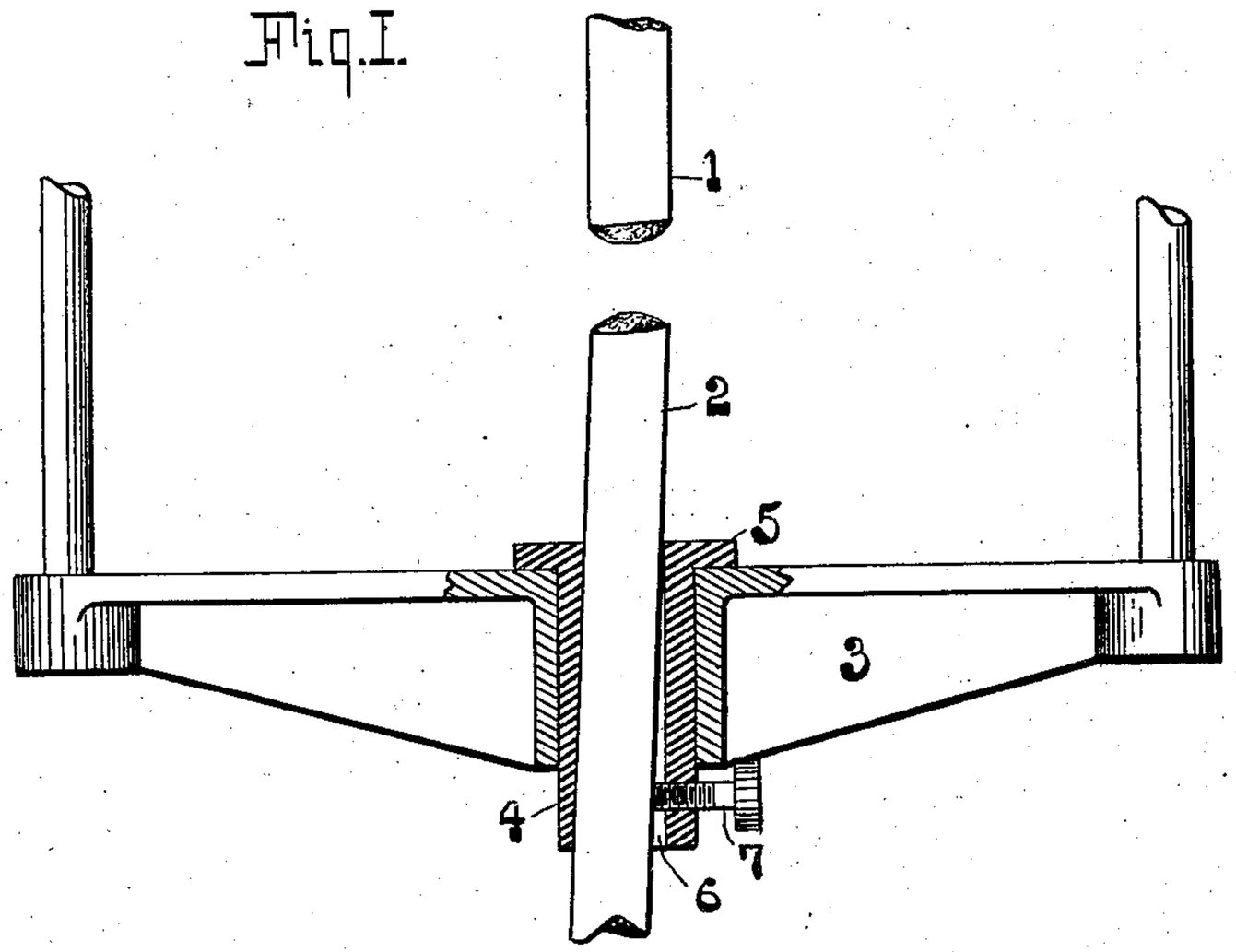
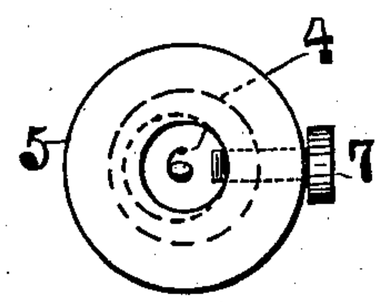


Fig. II.



WITNESSES:

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UNITED STATES PATENT OFFICE.

SAMUEL BRENT WHINERY, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO THE PITTSBURG BLUE PRINT COMPANY, A CORPORATION OF PENNSYLVANIA.

CARBON-HOLDER.

SPECIFICATION forming part of Letters Patent No. 702,514, dated June 17, 1902.

Application filed March 18, 1902. Serial No. 98,768. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL BRENT WHINERY, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented or discovered new and useful Improvements in Carbon-Holders, of which the following is a specification.

In the accompanying drawings, which make part of this specification, Figure I is an elevation, partly in vertical section. Fig. II is a plan view of the carbon-holder proper.

My invention relates to carbon-holders for arc-lamps; and its object is to provide a lower-carbon holder adapted to readily adjust the lower carbon in proper alinement with the upper one.

In the drawings, 1 and 2 represent the upper and lower carbons, respectively.

3 is the carrier for the lower-carbon holder 4, which is a tube having the annular flange 5. The holder is seated in the vertical bore 6 in the carrier 3, the flange 5 resting on the top of the carrier. The bore 6 of the tube is central at the top and eccentric at the bottom. A set-screw 8 in the wall of the tube serves to clamp the carbon. The wall of the tube on the side where the set-screw is is not reduced, but the remaining portions thereof are reduced gradually downward, so that the carbon can be adjusted laterally relatively to the set-screw.

The lower carbon when placed in the flared bore 6 is adjusted so as to come in contact with the center of the upper carbon by means of the set-screw. If the carbon burns unevenly, so that the point of contact would not be in the center of the lamp or in the proper position for the best results, the holder is turned about its vertical axis to such position.

Having described my invention, what I claim is—

1. In arc-lamps, a holder for one of the carbons having rotation about a vertical axis which includes the prolongation of the axis of the other carbon, the rotation of the holder producing lateral movement of the first carbon.

2. In arc-lamps, an axially-rotatable carbon-holder having a carbon-receiving opening which includes the axis of rotation of the holder, the rotation of the latter producing lateral movement of the carbon.

3. In arc-lamps, a carrier having an opening, a tubular carbon-holder rotatable in the opening, and means for holding the carbon inclined in the opening, the rotation of the holder producing lateral movement of the carbon.

4. In arc-lamps, a rotatable carbon-holder adapted to hold a carbon inclined, whereby the rotation of the holder produces lateral movement of the carbon.

5. In arc-lamps, a carbon-holder rotatable about a fixed axis and having a bore central at one end and eccentric at the other, and means for holding the carbon in the bore.

6. In arc-lamps, a holder having a bore to receive a carbon, means for securing the carbon in the holder, the bore being flared so as to permit the adjustment of the carbon in a plane at an angle to the plane that includes the carbon and the said securing means.

Signed at Pittsburg this 15th day of March, 1902.

SAMUEL BRENT WHINERY.

Witnesses:
F. N. BARBER,
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