

No. 616,753.

Patented Dec. 27, 1898.

J. N. WEBB.

CHIMNEY HOLDER FOR ATMOSPHERIC GAS BURNERS.

(Application filed Nov. 26, 1897.)

(No Model.)

Fig. 1.

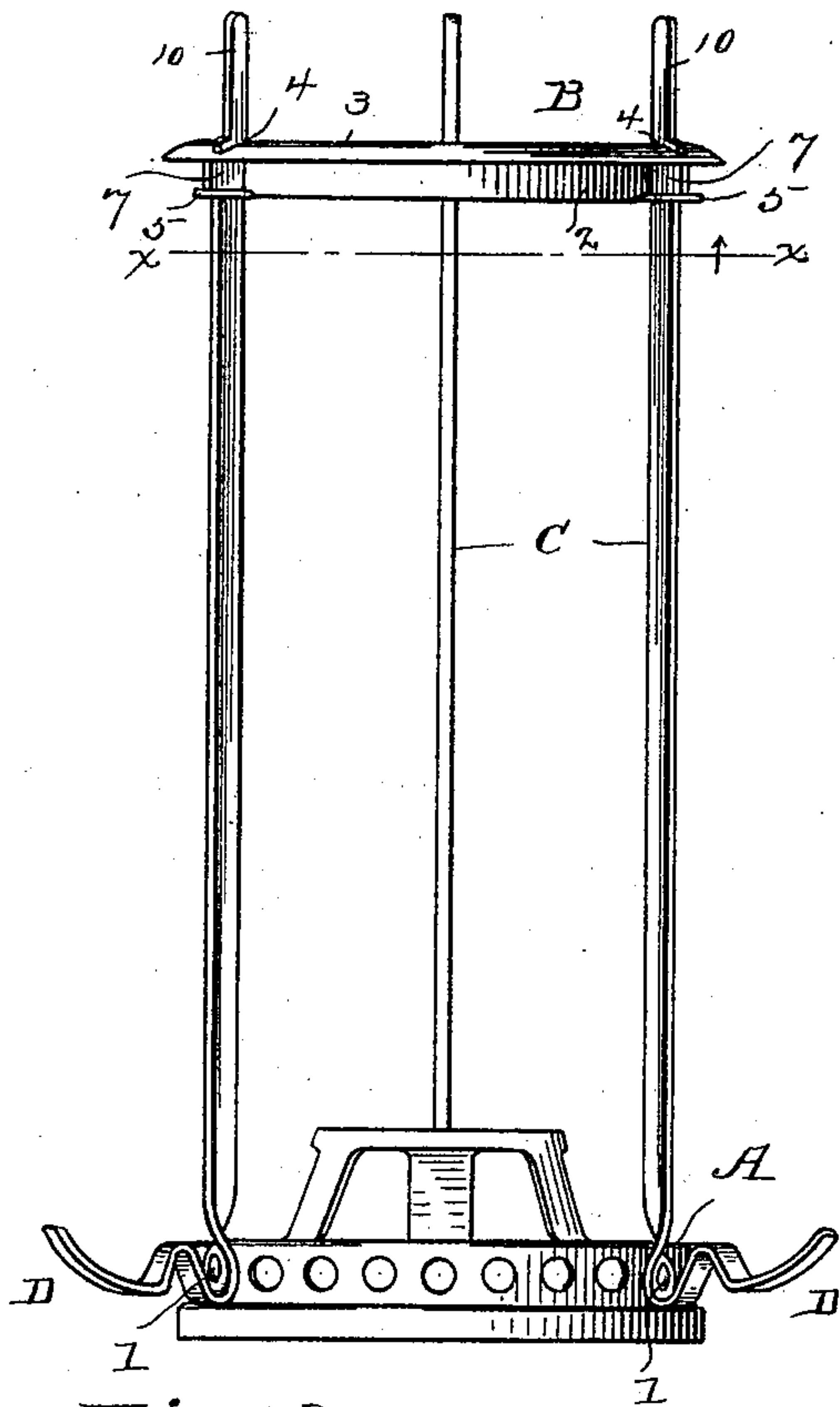


Fig. 2.

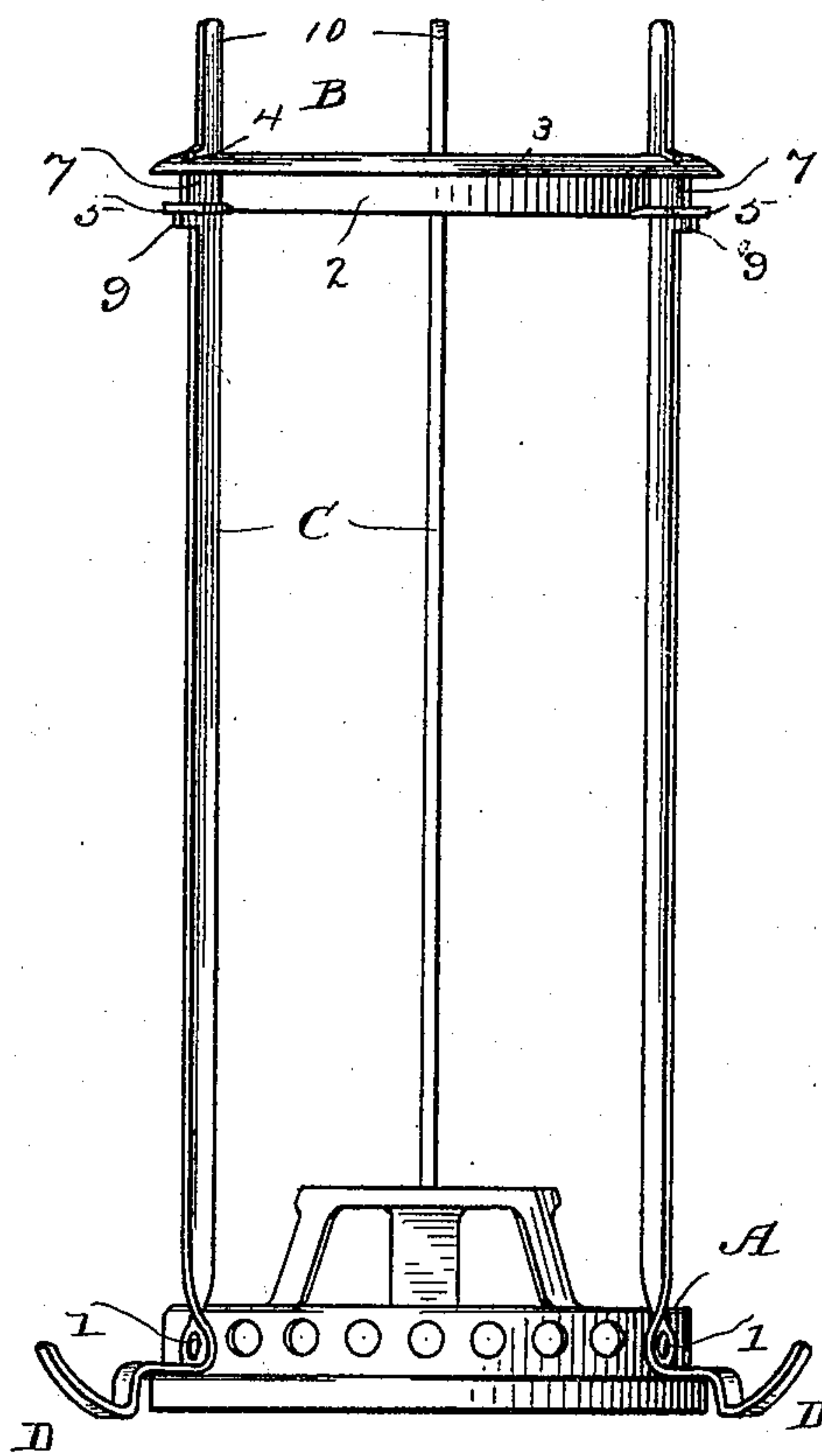


Fig. 3.

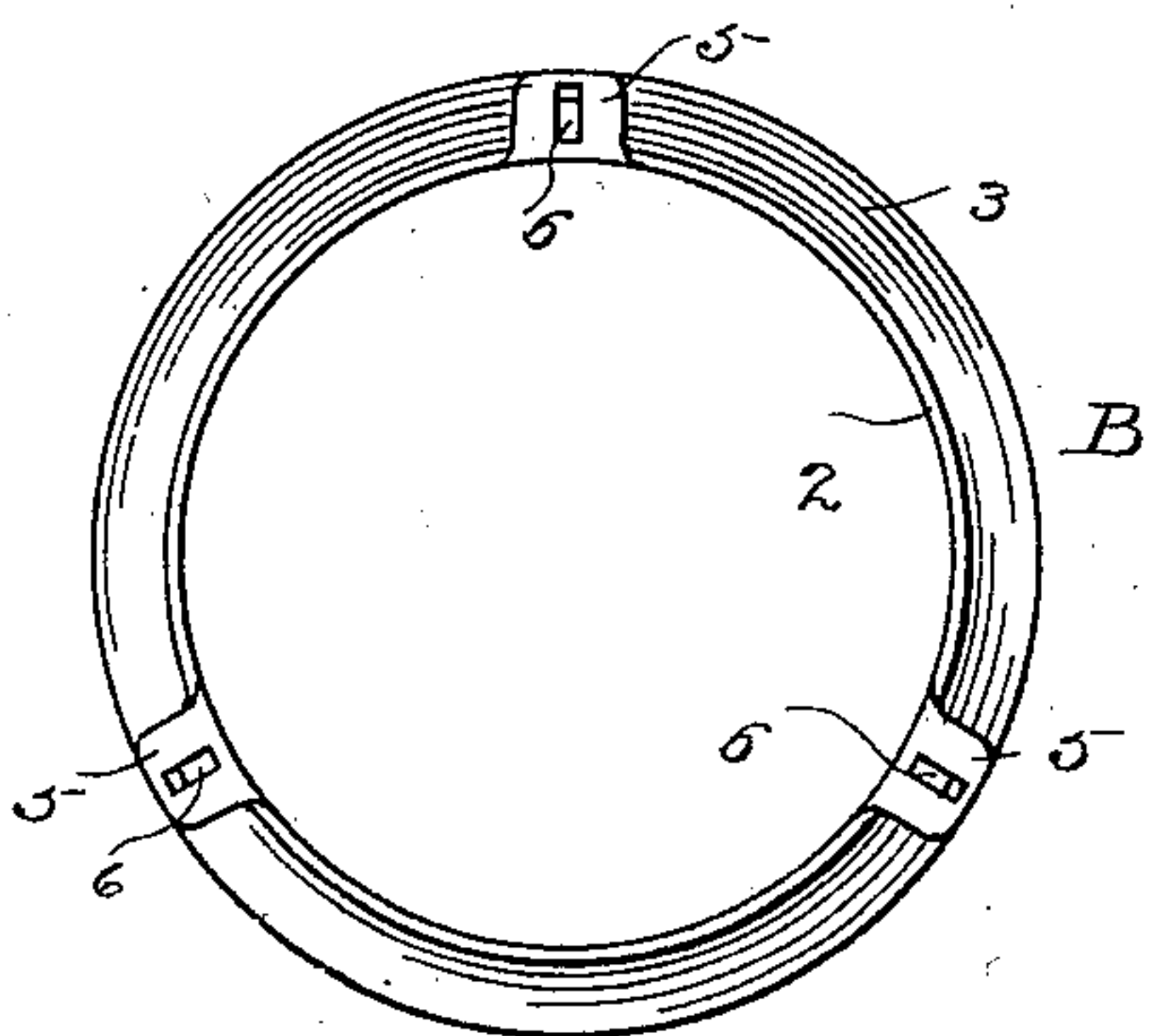


Fig. 4.

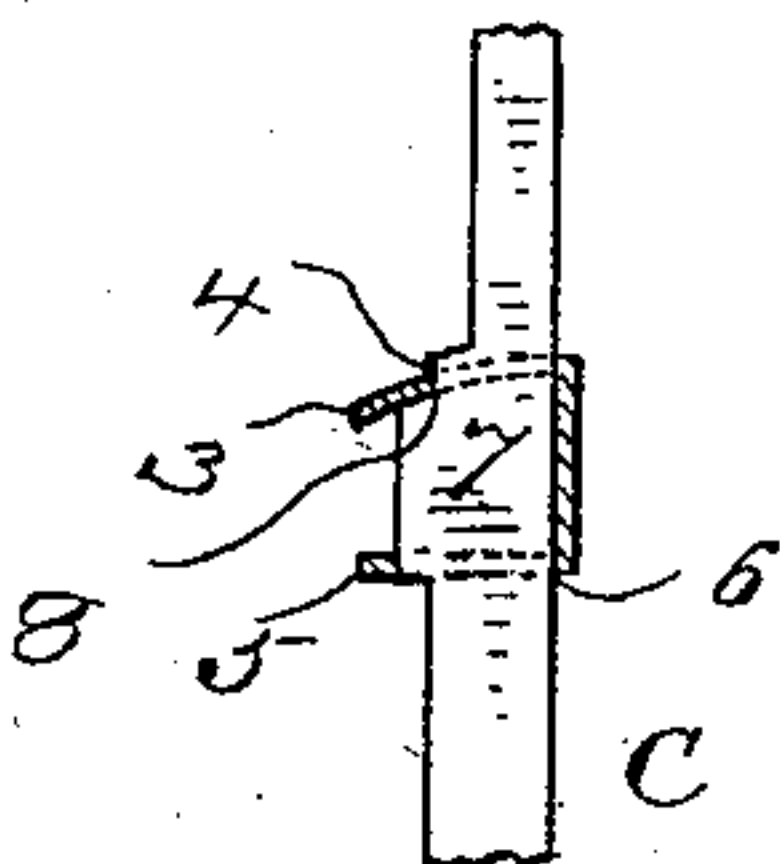
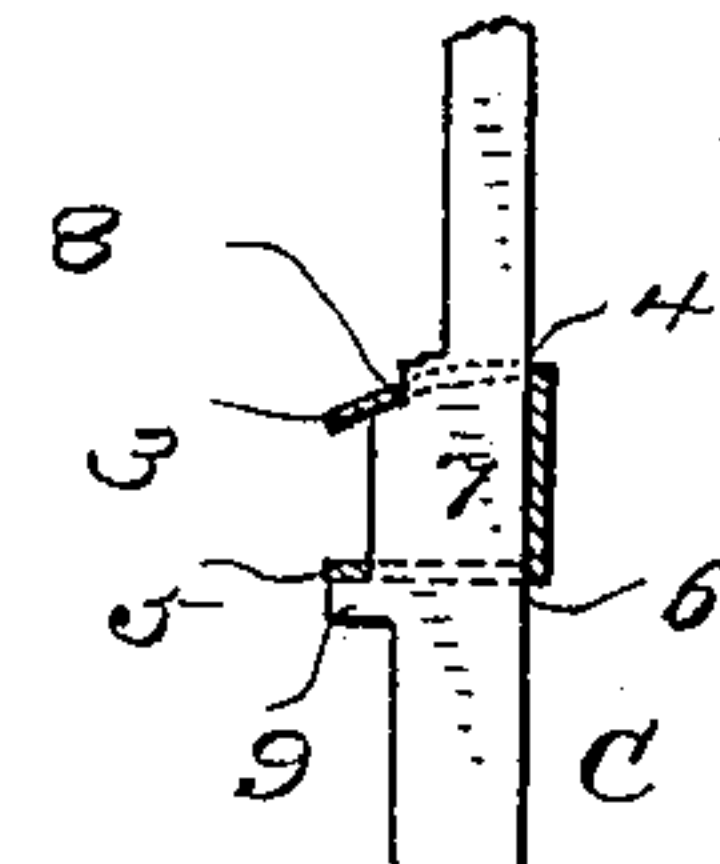


Fig. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

JAMES N. WEBB, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE BENEDICT & BURNHAM MANUFACTURING COMPANY, OF SAME PLACE.

CHIMNEY-HOLDER FOR ATMOSPHERIC GAS-BURNERS.

SPECIFICATION forming part of Letters Patent No. 616,753, dated December 27, 1898.

Application filed November 26, 1897. Serial No. 659,817. (No model.)

To all whom it may concern:

Be it known that I, JAMES N. WEBB, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Chimney-Holders for Atmospheric Gas-Burners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to the class of atmospheric gas-burners especially adapted for incandescent illumination, and has for its object to provide a chimney-holder for this class of burners which shall be simple and inexpensive to produce, strong and able to stand more than the strain of ordinary use, and which at the same time shall be neat and attractive in appearance and pleasing to the eye.

With these ends in view I have devised the novel chimney-holder for atmospheric gas-burners of which the following description, in connection with the accompanying drawings, is a specification, letters and numbers being used to designate the several parts.

Figures 1 and 2 are elevations illustrating slightly-different modes in which I have carried my invention into effect; Fig. 3, a section on the line xx in Fig. 1, looking up; Fig. 4, a detail view corresponding with Fig. 1; and Fig. 5 is a detail view corresponding with Fig. 2, illustrating slightly-different modes of attachment of the arms to the ring.

A denotes the chimney-gallery; B, the top ring; C, the arms, and D the lower shade-rests, which are formed integral with the arms. The chimney-gallery is of ordinary construction. In practice an arm and a lower shade-rest are blanked out from sheet metal in a single strip. In assembling the arms are placed with their flat sides approximately radial to a vertical central line to offer the least obstruction to the rays of light. At the bottom of each arm proper it is given a quarter-turn and the flat side is secured to the chimney-gallery in any suitable manner, as by a rivet 1. The lower shade-rests are formed by bending the lower ends of the strips of metal comprising the arms and lower shade-rests to the required shape to afford broad

bearings or rests for the shade, as clearly shown in Figs. 1 and 2, the only difference in the two forms being that in Fig. 1 the rests are so shaped as to hold the shade higher than in Fig. 2. The ring consists of a vertical flange 2 and a top flange 3, preferably curved, as shown in the drawings, and provided with openings 4.

5 denotes lips formed integral with the vertical flange and turned outward at a right angle thereto, so as to lie approximately parallel with the top flange. These lips are provided with openings 6, which just receive parts 7 of the arms. These parts 7 may or may not be made wider than the main portion of the arms. Each of the parts 7 is provided with a reduced portion 8, said reduced portions just fitting in openings 4 in top flange 3 and the under side of said flange resting upon parts 7, as clearly shown in Figs. 4 and 5. The parts are locked in this position by heading down the upper end of reduced portion 8 over the top flange. The construction may be additionally strengthened, if thought necessary, by providing at the lower ends of parts 7 lugs 9, which are made long enough, so that they will not pass through openings 6 in lips 5, said lips in this form resting upon lugs 9, as clearly shown in Figs. 2 and 5. I have shown the upper ends of the arms reduced, as at 10, to receive the usual top shade-rests, which, as they form no portion of my present invention, are omitted for the sake of clearness.

Having thus described my invention, I claim—

1. In a chimney-holder for atmospheric gas-burners the combination with vertical arms having parts 7, each part 7 having a reduced portion 8, and a chimney-gallery to which said arms are attached, of a top ring comprising a vertical flange and a top flange having openings which receive the reduced portions and lips extending at right angles to the vertical flange and having openings which receive parts 7, the top flange resting upon parts 7 and said ring and arms being secured together by heading down reduced portion 8 upon the top flange.

2. In a chimney-holder for atmospheric gas-burners the combination with vertical arms

having parts 7, each part 7 having at its lower end a lug 9 and at its upper end a reduced portion 8, and a chimney-gallery to which said arms are attached, of a top ring comprising a vertical flange and a top flange having openings which receive reduced portions 8 and lips extending at right angles to the vertical flange and having openings which receive parts 7 and rest upon lugs 9, said ring and said arms being secured together by heading down reduced portion 8 upon the top flange.

3. A chimney-holder comprising in its construction the arms C having parts 7 and reduced portions 8, and the top ring B having a top flange 3 provided with openings 4 and lips 5 provided with openings 6, substantially as shown, for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES N. WEBB.

Witnesses:

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