

(No Model.)

C. LONG.

HEATING ATTACHMENT FOR GAS BURNERS.

No. 411,126.

Patented Sept. 17, 1889.

Fig. 1.

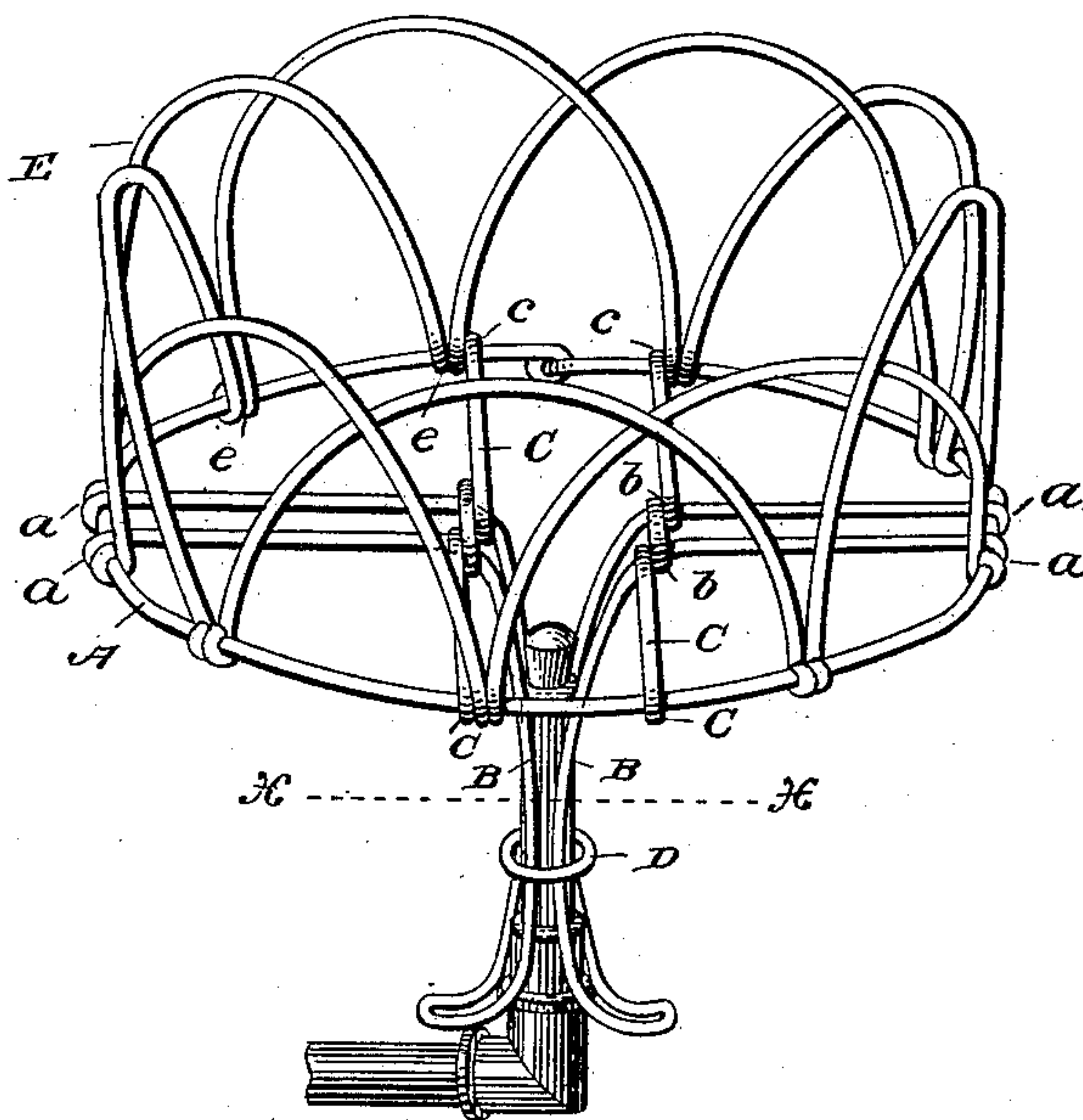
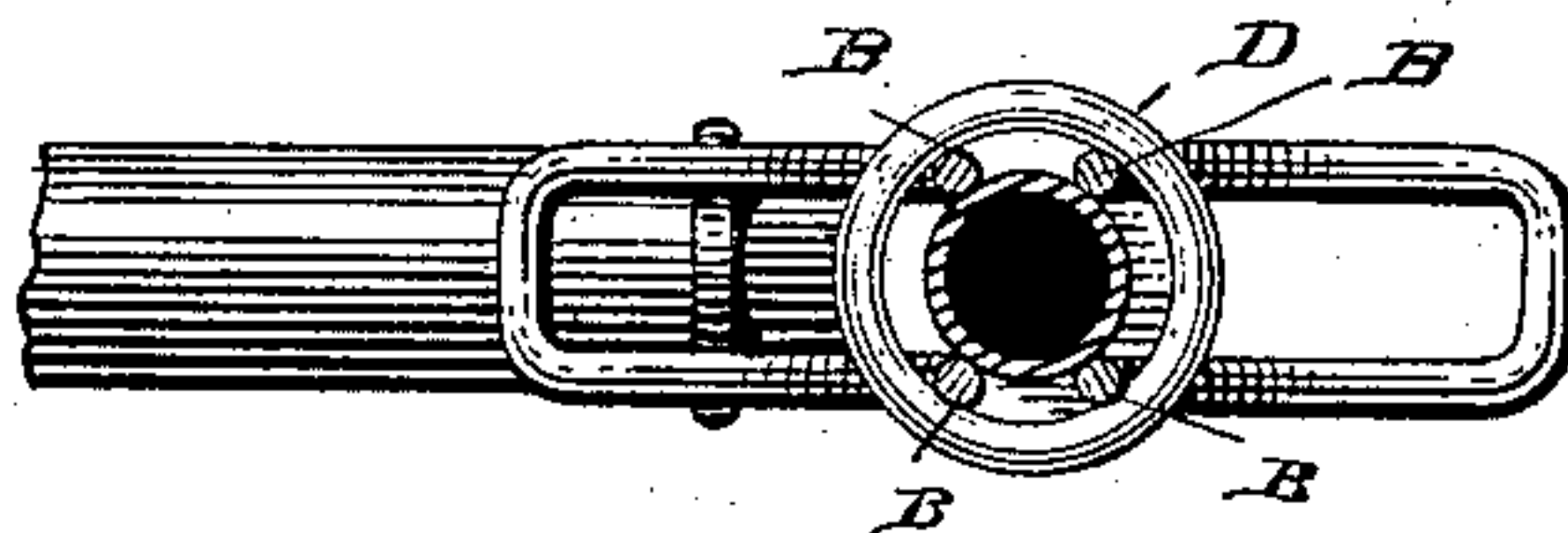


Fig. 2.



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HEATING ATTACHMENT FOR GAS-BURNERS.

SPECIFICATION forming part of Letters Patent No. 411,126, dated September 17, 1889.

Application filed September 20, 1888. Serial No. 285,933. (No model.)

To all whom it may concern:

Be it known that I, CHARLES LONG, a subject of the Queen of Great Britain, residing in the city of Toronto, in the county of York and Province of Ontario, Canada, have invented certain new and useful Improvements in Heating Attachments for Gas-Burners; and I do declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to that class of gas attachments used for heating purposes, the object being to supply at small expense an adjustable heating attachment by the use of which a cup or other small vessel may with its contents be heated over a common or ordinary gas-burner.

With this end in view my invention consists of a frame or rest made of wire interwoven together, preferably circular in shape and of suitable size, with two arms extending downward and outward from the central portion of the said frame or rest, as is hereinafter more fully described and claimed.

Figure 1 is a perspective view showing the device attached to a gas-burner ready for use; and Fig. 2 is a sectional view of the same, taken on the line *xx* of Fig. 1.

This attachment is composed of wire of suitable size, as shown in the drawings.

A is the outer rim, preferably of circular shape.

B B indicate wires. These wires are secured at one end to the rim A, after which they are carried inwardly in a horizontal plane to near the center of the circle formed by the rim A, from whence they are directed downwardly in a somewhat curved manner, as shown, so as to fit over and clamp on the gas-burner.

D indicates a slide-ring placed exteriorly upon the clamping branches of the wires B, and is designed to serve as a means for securing the attachment to a burner. It is obvious that as the burner is of a tapering form by simply pressing the ring downwardly it will clamp the branches upon the burner, while by sliding the ring upwardly

it will release the frictional contact between the burner and the arms, and thereby permit the attachment to be readily removed, the outer ends of the wires *b* being secured to the rim at the points *a*.

E is a supporting-rim composed of a series of bowed or bent wires, the ends of which are attached to the rim or band A, so that their ends *e* may abut against each other. By this construction it will be seen that when two wires are crowded against each other and additional wires inserted the bowed or curved portions may be carried to a greater altitude and the vessel sustained thereby raised from the flame.

C C are the wire rods running crosswise from one side of the rim A to the other side and nearly at right angles with and passing one turn around each wire of the arms B B at *b b*, thereby strengthening the said arms. Each end of the rods C C is securely attached to the rim A at *c c*, forming, in combination with the rim A and arms B B, a strong frame or rest for the cup or vessel while heating. By this means of construction I leave sufficient open or air space between the top of the flame and the bottom of the vessel while heating to allow of the draft necessary to prevent smoke.

While the description and drawings in this specification indicate only an attachment of circular shape, I do not confine myself to this particular shape in construction, as any other desired shape may be made upon the same principle.

Having thus fully described my invention, what I claim, and wish to secure by Letters Patent, is—

1. A heating attachment for gas-burners, composed of a circular rim, a vessel-sustaining rim formed from bowed wires, with their ends abutting each other and secured to the rim, the angular clamping-arms having one end attached to the rim and being extended horizontally inward and bent downward, whereby they are adapted to embrace a gas-burner, the rods securing the horizontal branches of the clamping-arms to the rim, and the ring on the clamping-arms for hold-

ing the same to the burner, substantially as specified.

2. In a heating attachment for gas-burners, the combination, with a rim carrying suitable means for attachment to a burner, of a
5 vessel-sustaining rim composed of bowed wires having their ends secured to the rim

and abutting against each other, substantially as and for the purpose specified.

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Witnesses:

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