

(No Model.)

J. E. McLAUGHLIN.

REFLECTOR.

No. 334,270.

Patented Jan. 12, 1886.

Fig. 1.

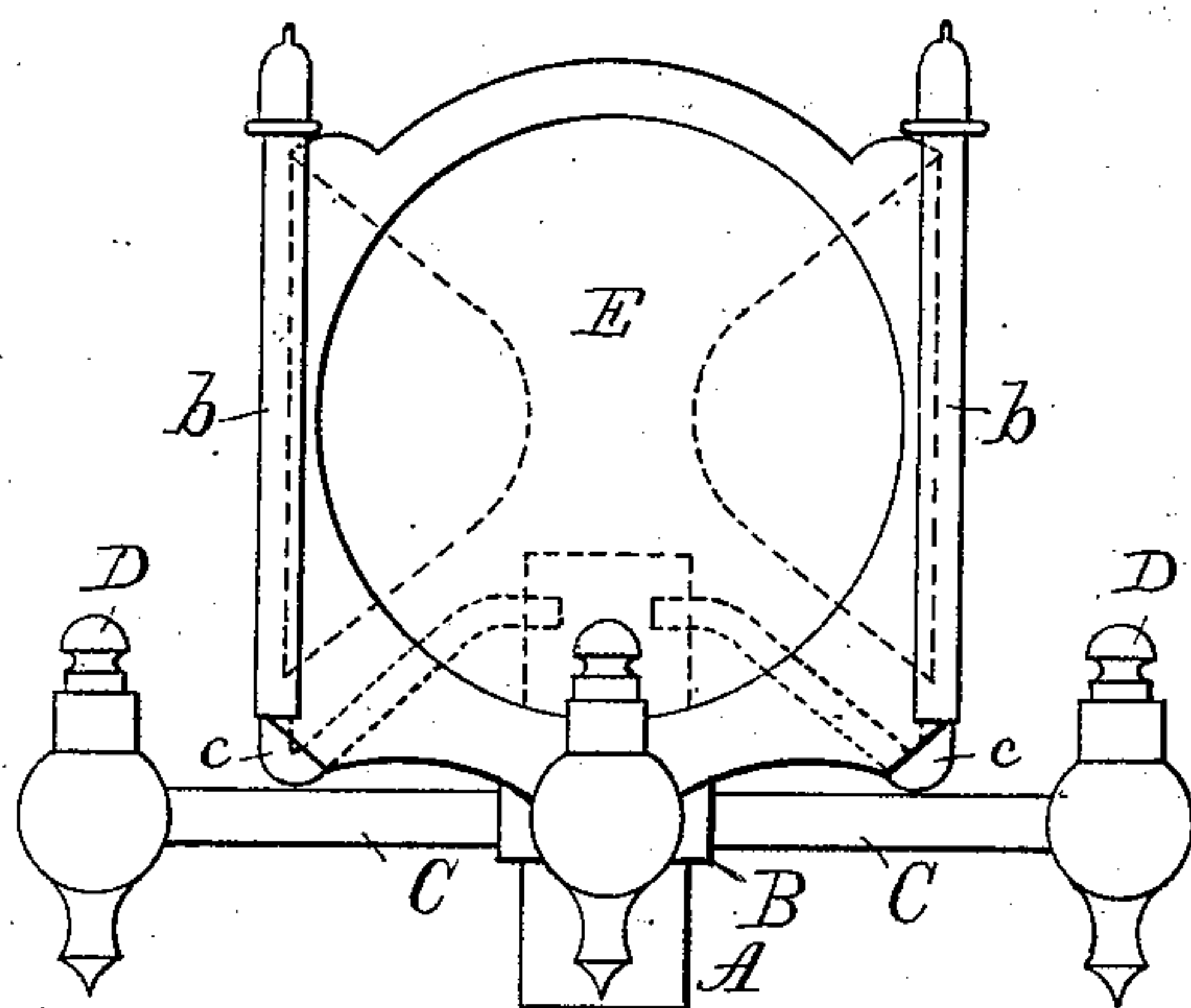
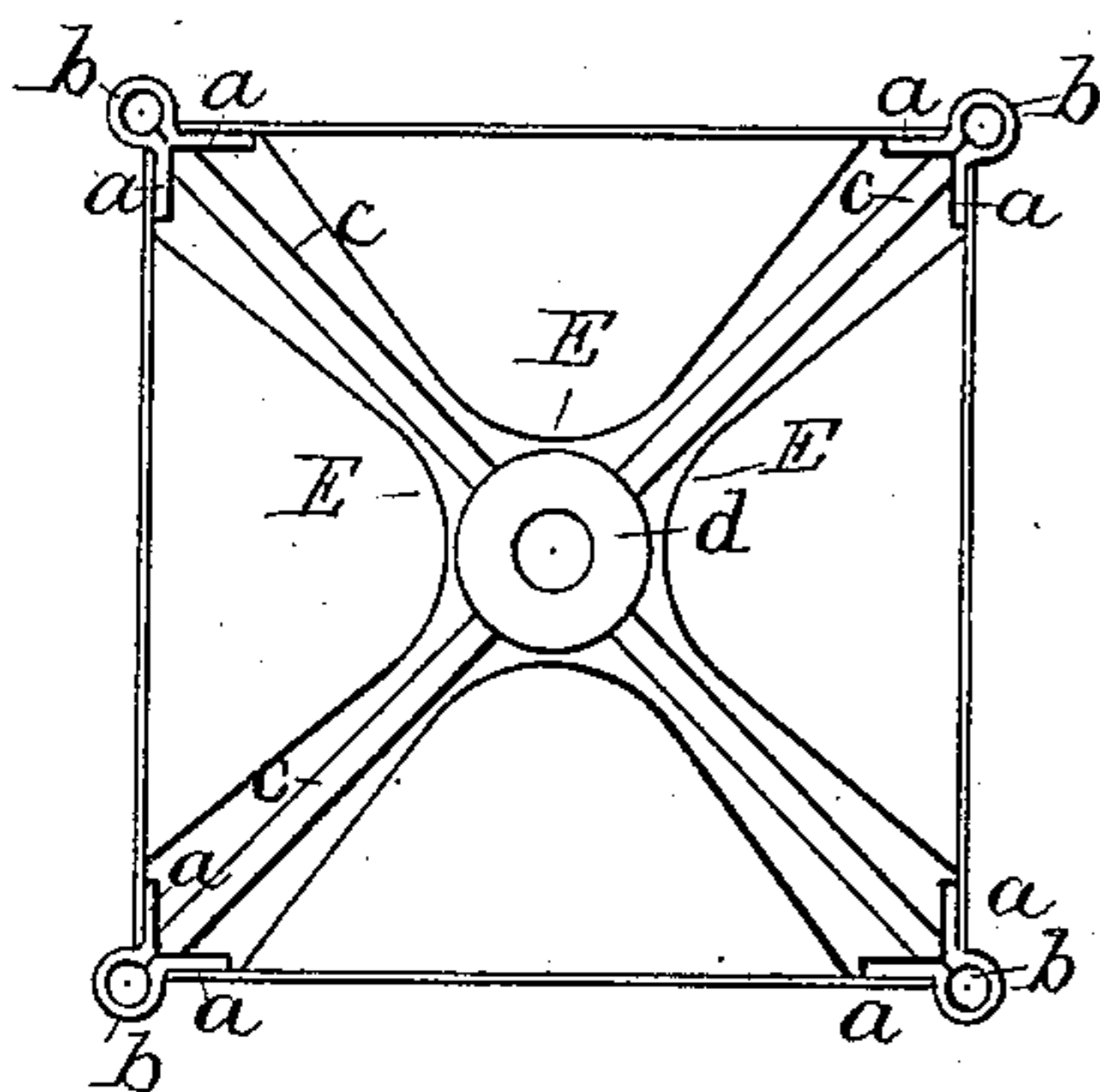


Fig. 2.



WITNESSES:

L. W. Shaw.
Geo. H. Evans

INVENTOR:

J. E. McLaughlin
BY Mann & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES E. McLAUGHLIN, OF PORTLAND, OREGON.

REFLECTOR.

SPECIFICATION forming part of Letters Patent No. 334,270, dated January 12, 1886.

Application filed August 17, 1885. Serial No. 174,622. (No model.)

To all whom it may concern:

Be it known that I, JAMES E. McLAUGHLIN, of Portland, in the county of Multnomah and State of Oregon, have invented certain
5 new and useful Improvements in Reflectors, of which the following is a full, clear, and exact description.

My invention relates to the construction of reflectors for gas-jets, oil-lamps, or any other
10 form of artificial light; and the invention consists of certain details of construction and combinations of parts, as will be hereinafter described, and specifically pointed out in the claim.

15 Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side view of my improved reflector as arranged for four burners. Fig. 2 is
20 a plan view of the same, the reflector alone being shown.

A is the cap or socket, which is threaded to engage with the gas-pipe. A coupling-piece,
25 B, to which four arms, C, carrying burners D, are fixed, is secured to the upper end of the cap A. Four concave reflectors, E E, formed from rectangular sheets of metal spun up to

form and polished upon the concave surface, are united at their perpendicular edges by
30 ears or lugs *a a*, that are made integral with the tube-like corner-pieces *b b*.

The reflector is supported by arms *c c*, that are carried by a central nut, *d*, that is secured to the coupling B by a thumb-screw or other
35 equivalent device, so that the united reflectors will be kept in position and each concave surface be held directly behind a burner.

In the construction shown in Figs. 3 and 4 the reflectors are made from strips of metal
40 polished upon one side and centrally bent to an expanded U form, as best shown in Fig. 4.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—
4

The combination, with the cap A, coupling-piece B, arms C, and burners D, of four concave reflectors united at their perpendicular
45 edges by ears *a a*, that project from tubular corner-pieces *b b*, said corner-pieces, arms *c c*, 5 nut *d*, and a connecting device, substantially as described.

JAMES E. McLAUGHLIN.

Witnesses:

CECIL B. HOLCOMB,
W. S. OTT.