

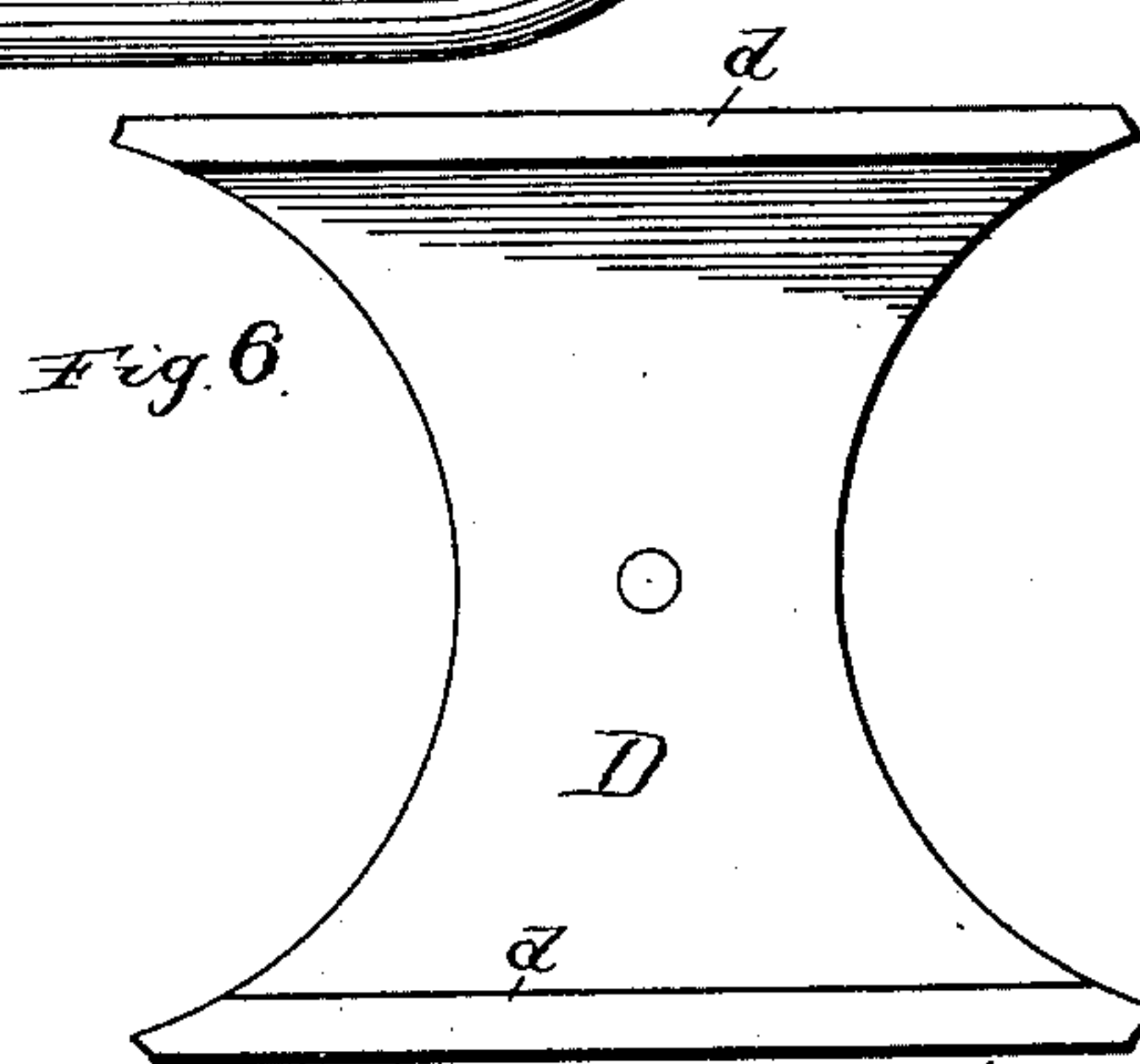
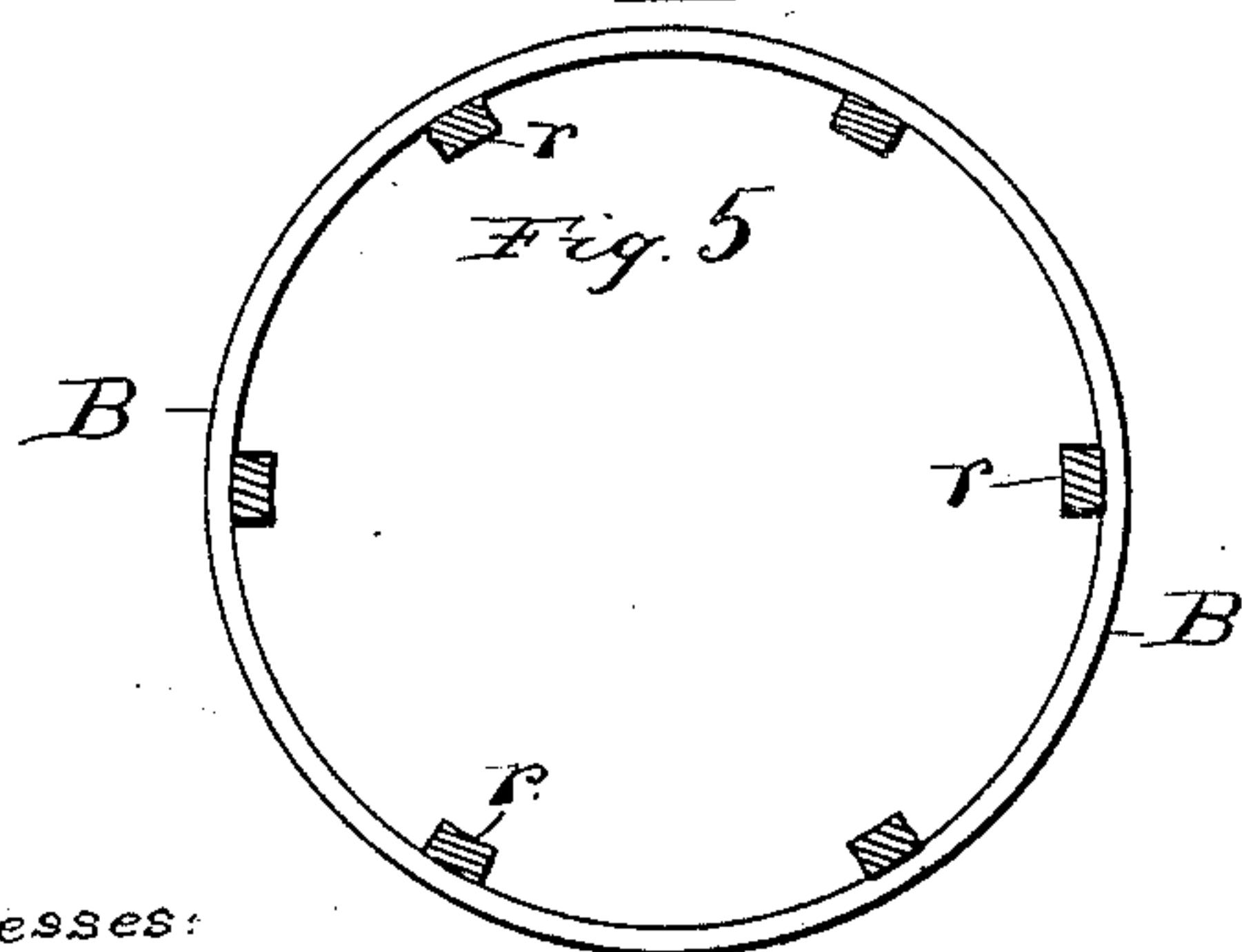
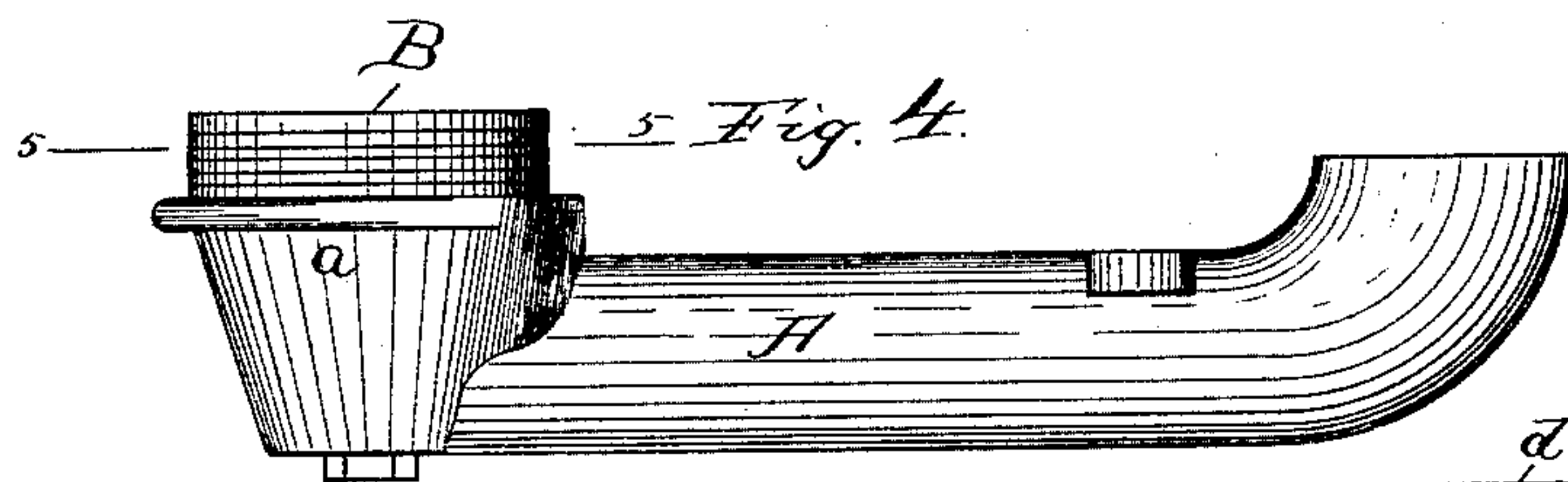
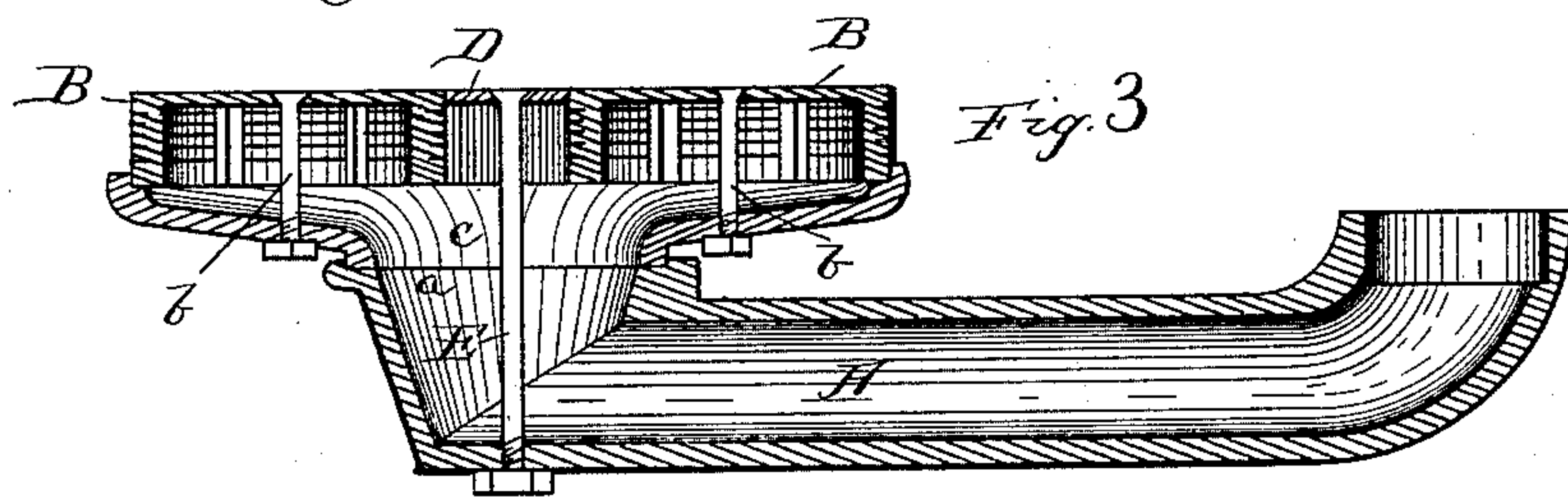
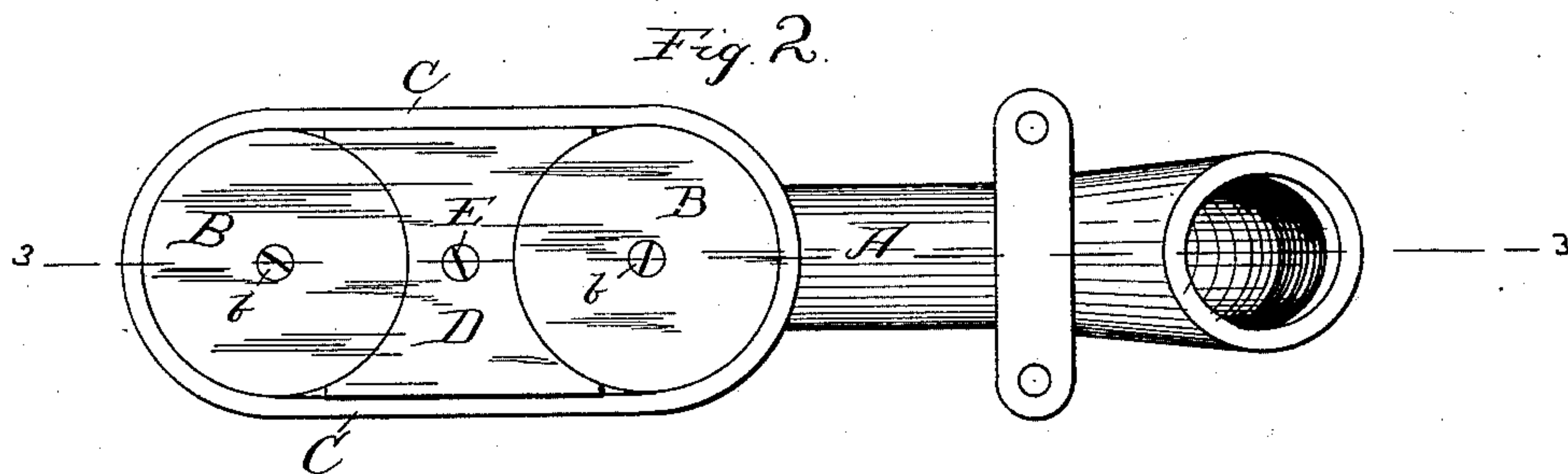
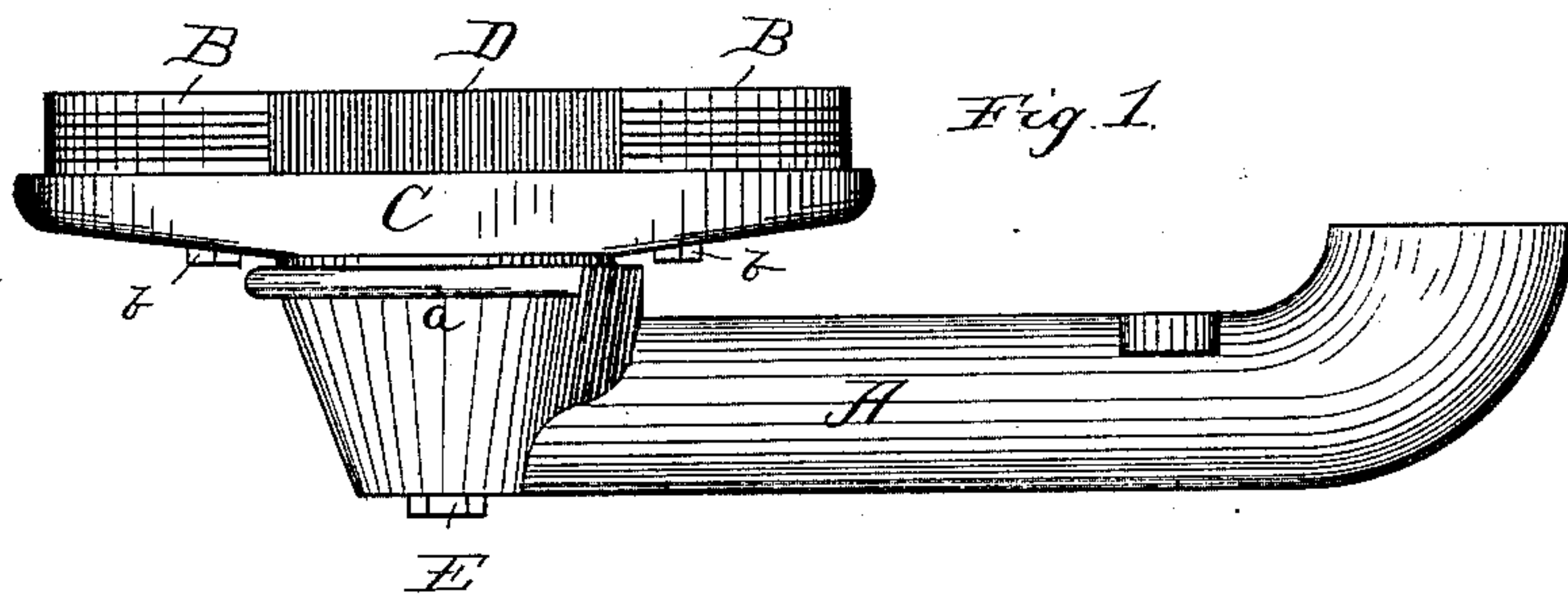
(No Model.)

J. B. WALLACE.

GASOLINE STOVE.

No. 359,112.

Patented Mar. 8, 1887.



Witnesses:
Sew. C. Curtis.
H. M. Munday.

Inventor:
J. Bennett Wallace.
By Munday, Everts & Adcock
his Attorneys:

UNITED STATES PATENT OFFICE.

J. BENNETT WALLACE, OF CHICAGO, ILLINOIS, ASSIGNOR TO GEORGE M. CLARK & COMPANY, OF SAME PLACE.

GASOLINE-STOVE.

SPECIFICATION forming part of Letters Patent No. 359,112, dated March 8, 1887.

Application filed October 21, 1886. Serial No. 216,816. (No model.)

To all whom it may concern:

Be it known that I, J. BENNETT WALLACE, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Gasoline-Stoves, of which the following is a specification.

In some of the styles of gasoline-stoves now in common use it is customary to place under the oven two contiguous round burners which jet out flame upon all sides. An evil attending this use grows out of the fact that the flames from the adjacent sides of the two burners unite and form a long and very hot lateral blaze at either side, which overheats the center of the oven and soon burns its way through the bottom; and the purpose of my present invention is to obviate this objection. I employ two contiguous burners, each of which may be unchanged from the present construction; but, instead of mounting them at separate points upon the gas-conduit, I interpose between them and the conduit an oblong or oval dished or concaved supporting-casting having a single opening upon its under side conforming to the mouth of the gas-conduit, and an upper edge adapted to receive the burners and cover the space between the burners, with a shutting-off plate to prevent any combination of the flame of one burner with that of the other.

In the accompanying drawings, which form a part of this application, and in which similar letters of reference indicate like parts, Figure 1 is a side elevation of my invention. Fig. 2 is a plan thereof. Fig. 3 is a vertical longitudinal section on the line 3 3 of Fig. 2. Fig. 4 is an elevation of the feed-conduit with but a single burner in place, showing the convertible feature of the invention. Fig. 5 is a section of the burner on the line 5 5 of Fig. 4, and Fig. 6 is a bottom view of the shut-off plate.

In said drawings, A represents the gas-feed pipe of an ordinary gasoline-stove, fitted at one end, *a*, to receive the ordinary peripherally-slotted burner, B.

C is an oblong casting, having a concave bottom, with a central mouth, *c*, adapted to fit the opening *a* of the gas-feed pipe. The upper edge of this supporting-piece has an inward offset, which is adapted to receive the burners B B at either end and the intermediate shut-off plate, D. A central bolt, E, passes down through the shut-off plate and through the under side of the feed-pipe, and holds those parts and the supporting-casting together. The burners are each held to the supporting-piece by bolts *b*. The plate D extends from burner to burner, and has marginal vertical flanges *d*, which set down upon the offset edge of the supporting-casting. Its top being flush with the upper surface of the burners, it effectually shuts off the flame from the neighboring sides of the latter and wholly prevents any union of the flames from the two burners.

In order that a single burner only may be employed where less heat is desired, as well as to adapt my improvement to application upon existing stoves, the supporting-plate is fitted to set down upon the opening commonly employed with the burners B, so that it may be readily removed and the single burner substituted. The burners are furnished with interior vertical ribs, *r*, which support and hold the different ring-sections of its circumferential part.

My invention requires no change in the existing style of burners.

I claim—

1. The combination, with the contiguous gasoline-burners having openings all around for the issue of the flame, of the shutting-off plate D, substantially as specified.

2. The combination, in a gasoline-stove, of the contiguous burners B B, the supporting-plate C, and the shutting-off cover D, substantially as specified.

J. BENNETT WALLACE.

Witnesses:

H. M. MUNDAY,
EDW. S. EVARTS.