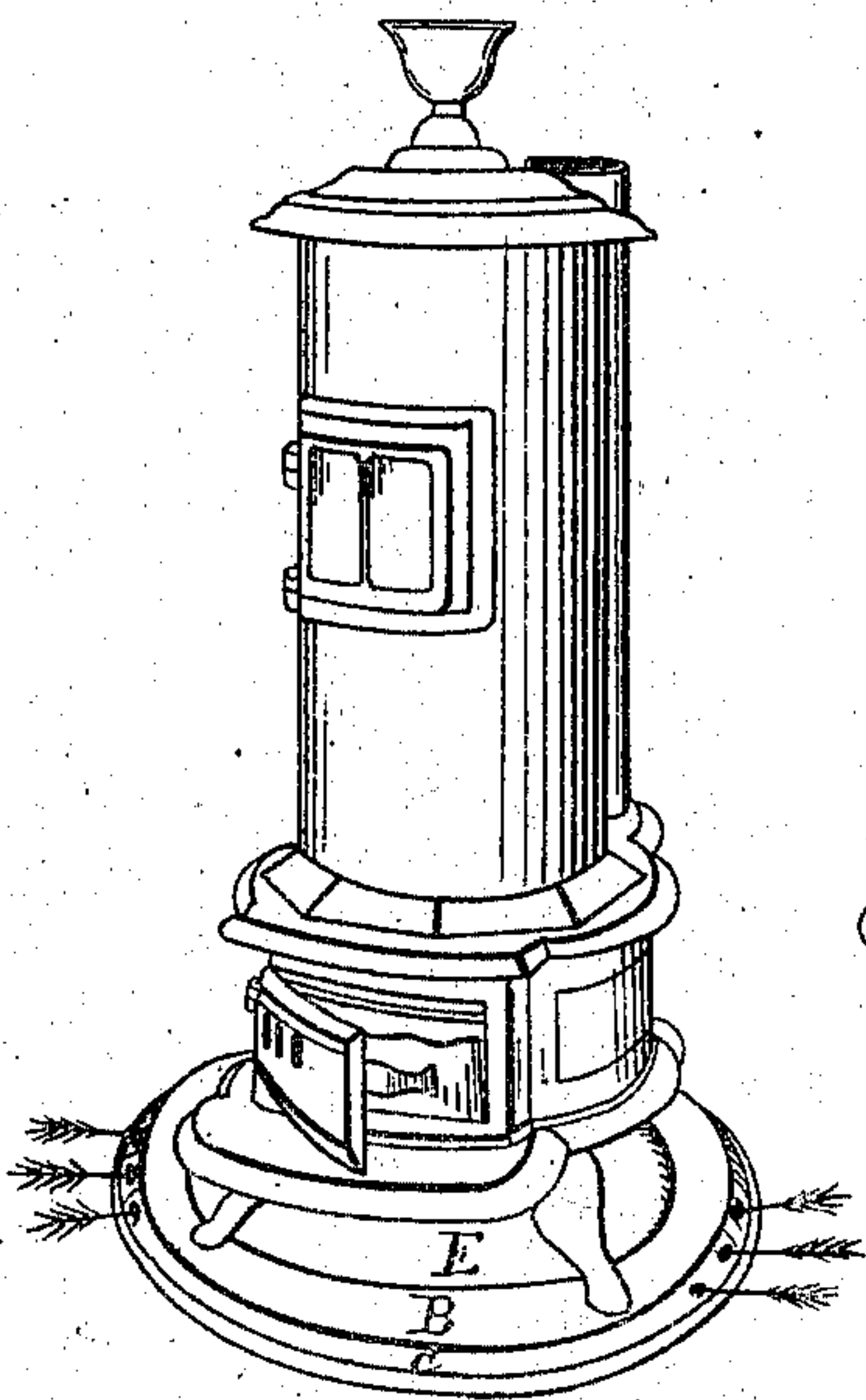
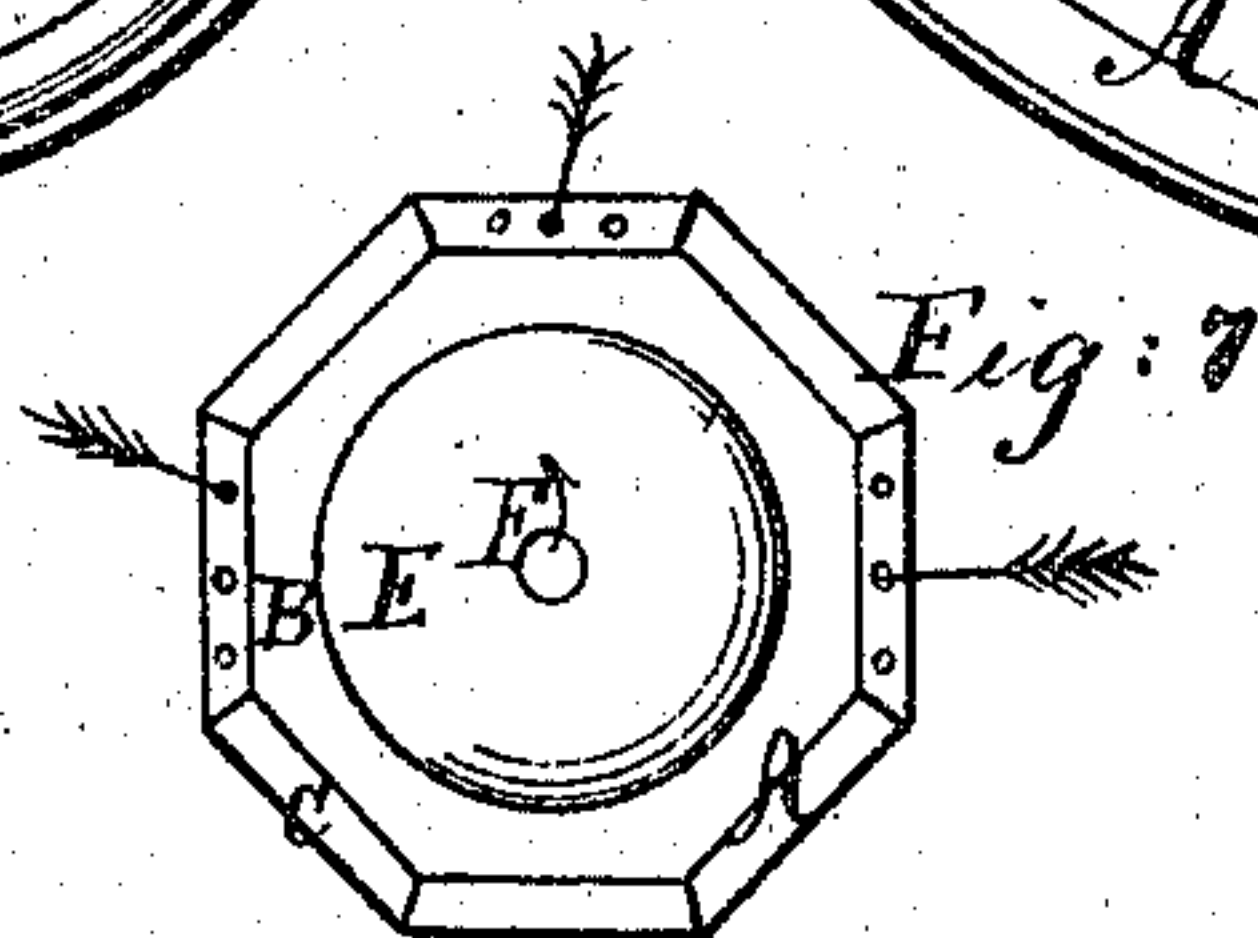
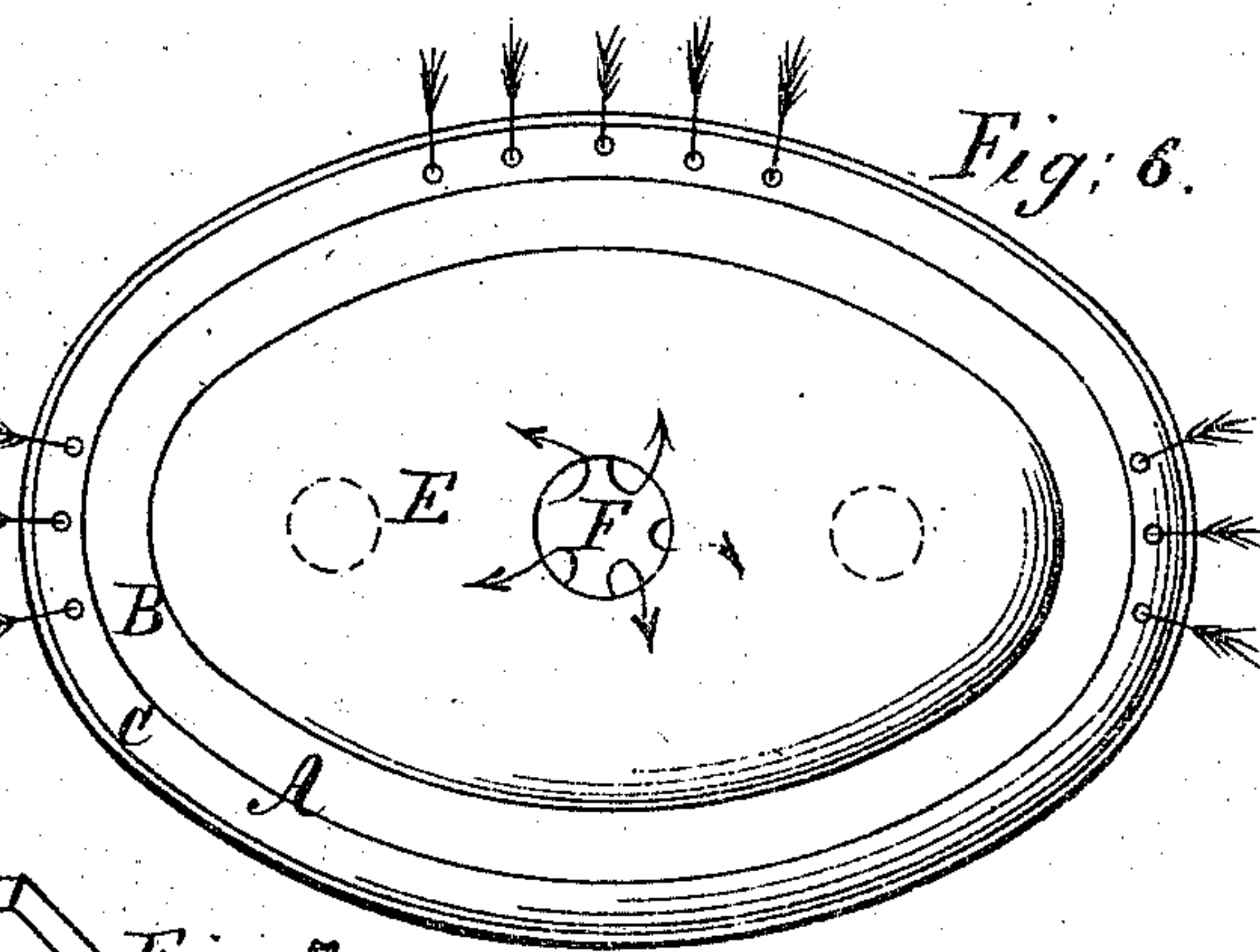
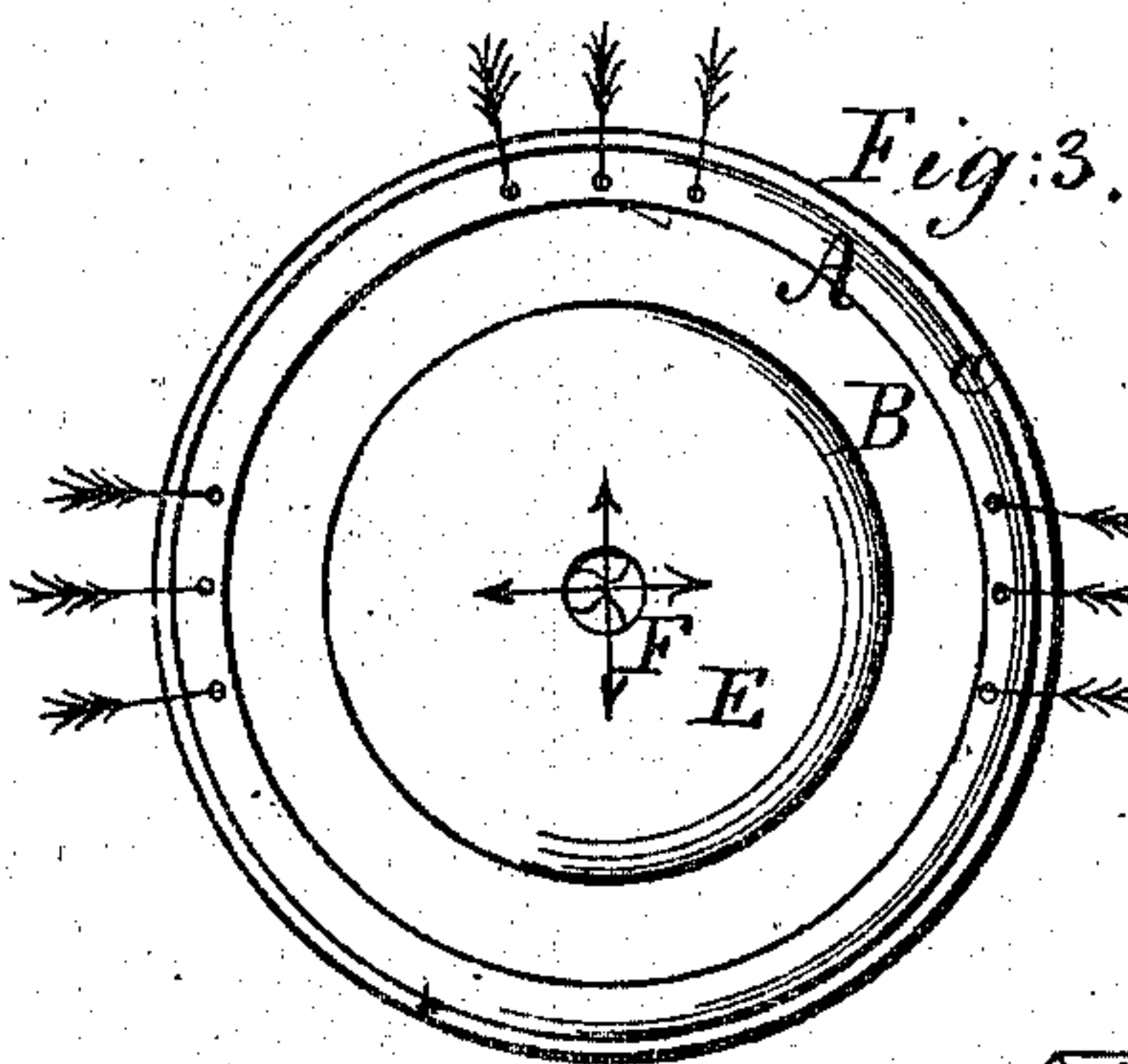
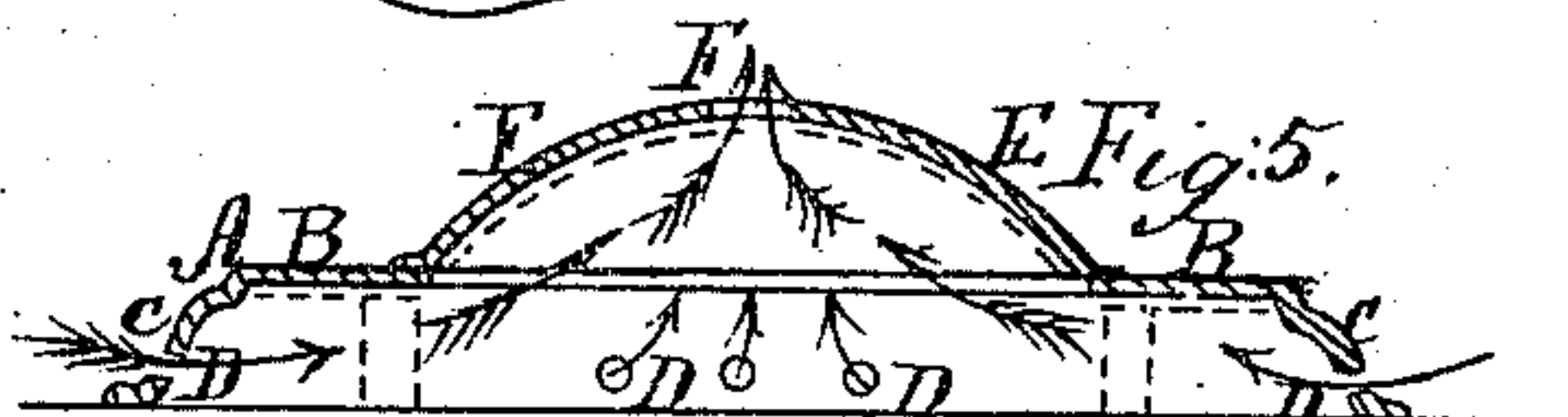
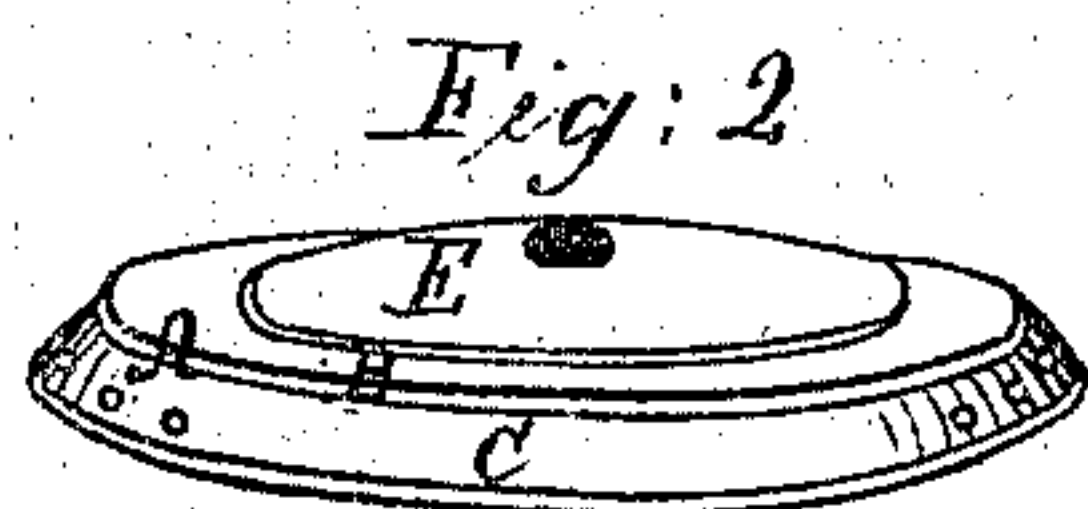
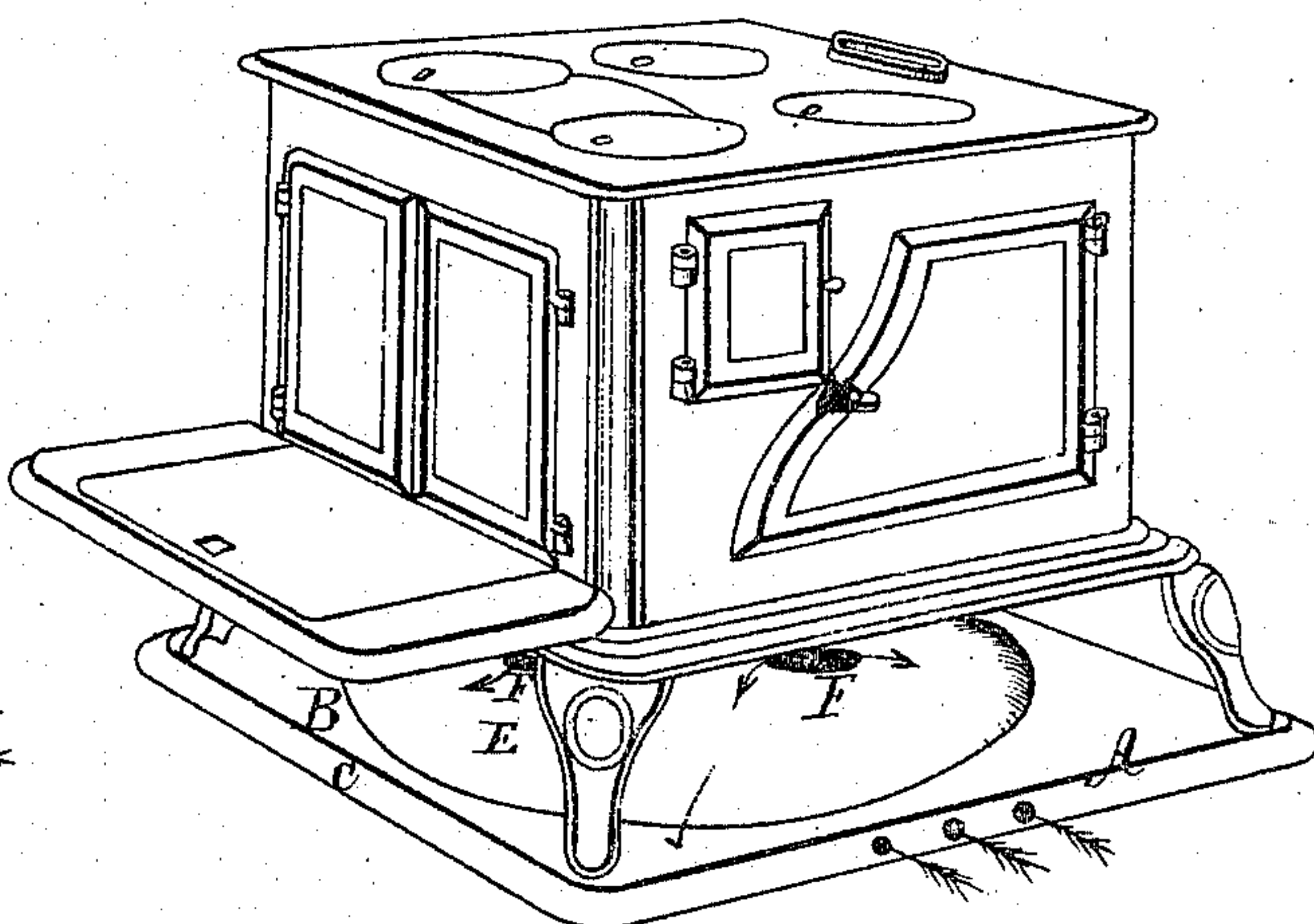


*C. Brownell.*  
*Stove Platform.*

*N<sup>o</sup> 105,773. Patented Jul. 26, 1870.*



*Fig: 4.*



*Witnesses.*  
*Richard H. Reille*  
*Angeline S. Reille*

*Inventor*  
*Clark Brownell*



# UNITED STATES PATENT OFFICE

CLARK BROWNELL, OF TROY, NEW YORK.

## IMPROVEMENT IN PLATFORMS FOR STOVES.

Specification forming part of Letters Patent No. 105,773, dated July 26, 1870.

*To all whom it may concern:*

Be it known that I, CLARK BROWNELL, of the city of Troy, in the county of Rensselaer and State of New York, have invented a new and Improved Ventilating-Platform for Stoves, &c., of which the following is a specification:

The nature of my invention consists in the employment and construction of a ventilating-platform formed in two parts, one of them being a ring, rim, or frame level on top, and the level part raised a suitable distance above the floor by means of a bent edge or rim thereto, extending down to the floor, leaving a space under the level part sufficient for the passage of air. This ring or frame may be of cast or wrought iron, or any other suitable metal or material. The legs of a stove or the supports of a furnace rest on the level part of this ring or frame. The center part of this said ring or frame is the second part of my invention, and this part I form in a cone or domed shape, so that it rises from its edges, which rest on the ring or frame above mentioned. Toward the center thereof, in and through the bent edge or molded edge or rim of the ring or frame at proper points, I have perforations or apertures for the admittance of the outer air to the interior underneath said platform, which air rises toward the center or highest point of the central or domed part of the platform, and at that point I have an aperture or perforation, one or more, as necessary, to permit the air to pass out from underneath said platform. The central or domed part of the platform may be constructed of zinc or tin, or any other suitable metal or material.

The object of this platform is to furnish a suitable place upon which a stove or furnace may rest, the legs or supports of the stove or furnace resting on the platform, and the platform resting on the floor. The platform being of metal, and constructed in accordance with my plan, is fire proof—that is, no fire can be communicated from the stove to the floor, oil-cloth, or carpet. The platform is kept cool (no matter how hot the stove may be) by means of the air circulating underneath, as described above, and it is easily kept clean, as the tendency of the dirt, &c., is to keep toward the outer edges. The central or domed portion being readily removed allows cleaning the platform underneath, when required.

To render it more perfectly fire-proof I sometimes line the platform wholly or partly with tin, cement, or any other suitable non-conducting material.

By constructing the central or domed part of tin, or something of that brightness, the heat may be reflected out from underneath the stove, and as the platform only touches the floor at the edges there is no danger of destroying an oil-cloth, as is the case when flat pieces of zinc are spread under a stove, or when zinc is placed upon boards, and they lie flat on oil-cloth or carpet, it is a common occurrence for the oil-cloth or carpet, or both, to be entirely ruined by the heat and the sweating underneath, and sometimes a pattern of the oil-cloth is found sticking to the under side of a piece of zinc when taken up after lying flat for some time. Then, zinc and all soft material becomes indented by the stove-legs, and so ruined, all of which injury is prevented in the use of my platform. The air-currents circulating underneath prevent excessive heating, and by keeping the atmosphere dry prevent sweating underneath.

In shape my platform may be round, oval, square, octagon, or any shape or form suited to the size and shape of the stove or furnace, which is to stand or rest thereon, and may be made of any suitable material. There may also be extra supports of some suitable kind to assist in bearing the weight placed thereon, and where required of considerable size and dimensions it may be cast or otherwise constructed in sections.

The domed central part may be fluted or otherwise ornamented, and the ring or frame may be handsomely molded and properly decorated, so as to present a tasty appearance to the eye.

The perforations through which the air passes may be small round holes, slots of suitable length, or open-work grating, as may be preferred, or the air may pass in through notches in the bottom edge of the ring or frame.

Figure 1 is a perspective view of a parlor-stove, resting upon one of my platforms. Fig. 2 is a perspective of the same platform alone. Fig. 3 is a horizontal view of my platform, circular in form. Fig. 4 is a perspective view of a cooking-stove, resting on one of my platforms. Fig. 5 is a sectional view of one of



my platforms, arrows showing the air-currents. Fig. 6 is an oval-shaped platform. Fig. 7 is an octagonal-shaped platform.

Like letters refer to like or corresponding parts. Arrows show the direction of the air-currents.

A represents the ring or frame. B is the level or horizontal part of the same. C is the rim part of the same, upon which the whole rests. This part may be neatly molded, fluted, or otherwise ornamented, and is of strength sufficient for the purposes requisite. In and through this rim are the perforations or apertures at the sides and back, and may be placed where suitable, and in such numbers as will answer the purpose, which is to admit currents of air to the space underneath the platform, as shown in Fig. 5, the apertures marked D. The central domed part E rests upon the horizontal part of the frame B, its outer edges touching all around. The center point of the same is higher than its outer edge, and in the center, or at any other suitable place, I have apertures—one or more, as required—for the escape of the air underneath. This creates a circulation from outside through the apertures at D into and under the ring or frame A, which current then rises to the outlet-apertures in the upper part of the domed center E, through which it passes and escapes.

The outlet-apertures are marked F, and may be of any shape or position suitable.

Thus it will be seen that a constant circu-

lation of air will be kept up underneath the platform, which will prevent excess of heat, and promote dryness, and at the same time we have a fire-proof platform for stoves, &c., to rest on; and also one that is ornamental, or may be rendered so. The space underneath the platform may be simply sufficient for the purpose, and the different parts may have any rise, as may be deemed best, and may also be constructed of any material suited to the purpose. The apertures for inlet of air may be simply notches along the bottom edge of the rim or flange C of the frame A, if they should be found to answer the same purpose.

What I claim as my invention is—

1. The use and construction of a platform of metal or fire-proof material, formed so that air may circulate underneath, passing in and out through apertures provided therefor, substantially in the manner and for the purpose as described and set forth.

2. The construction and use of the ring or frame A with its level B, on which the weight of the stove rests, and its flange or rim C, or its equivalent, substantially in the manner and for the purpose as described and set forth.

3. The domed central part E or its equivalent, as and for the purpose substantially as described and set forth.

CLARK BROWNELL.

Witnesses:

RICHARD H. REILLE,  
ANGELIA S. REILLE.