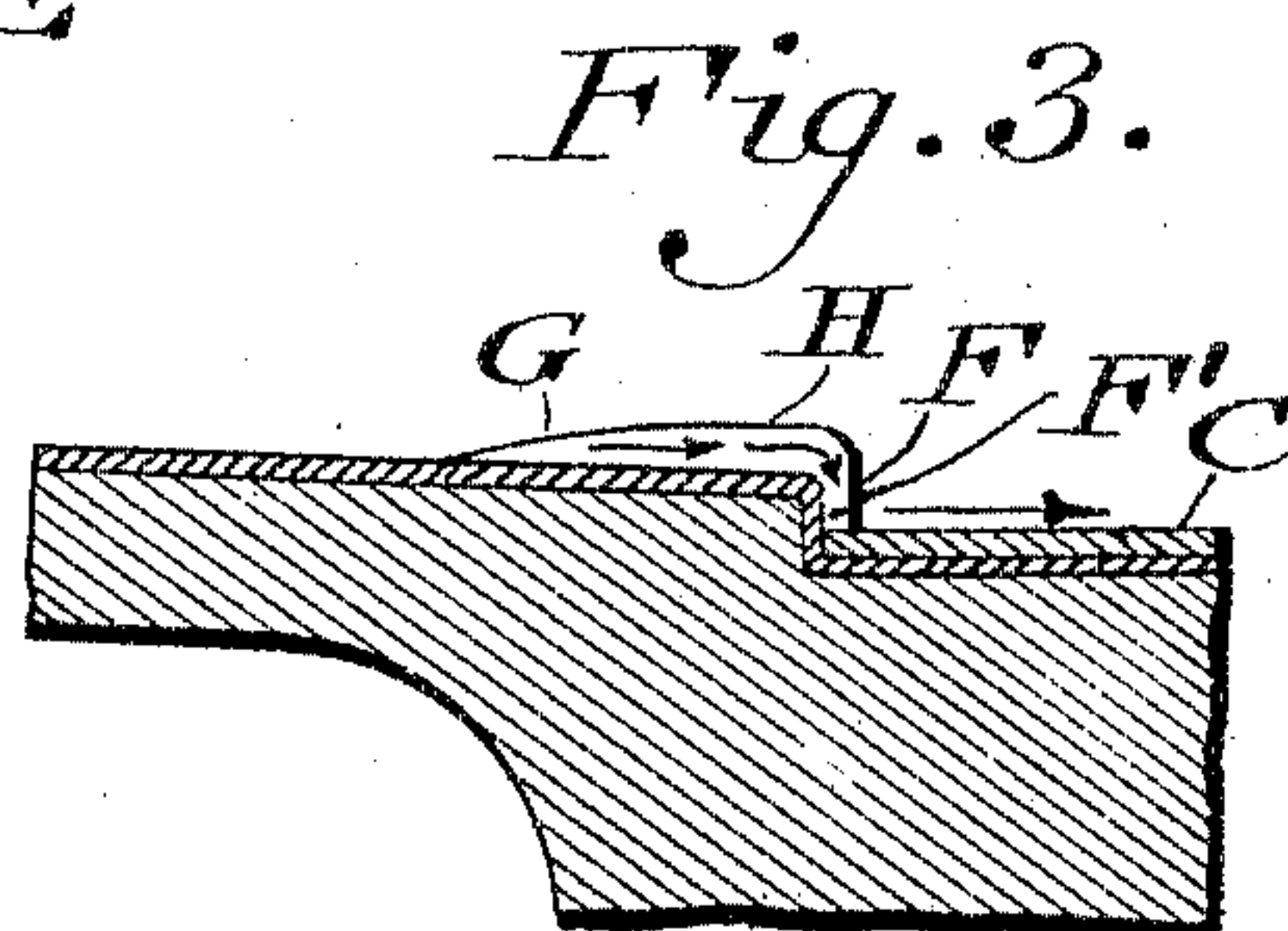
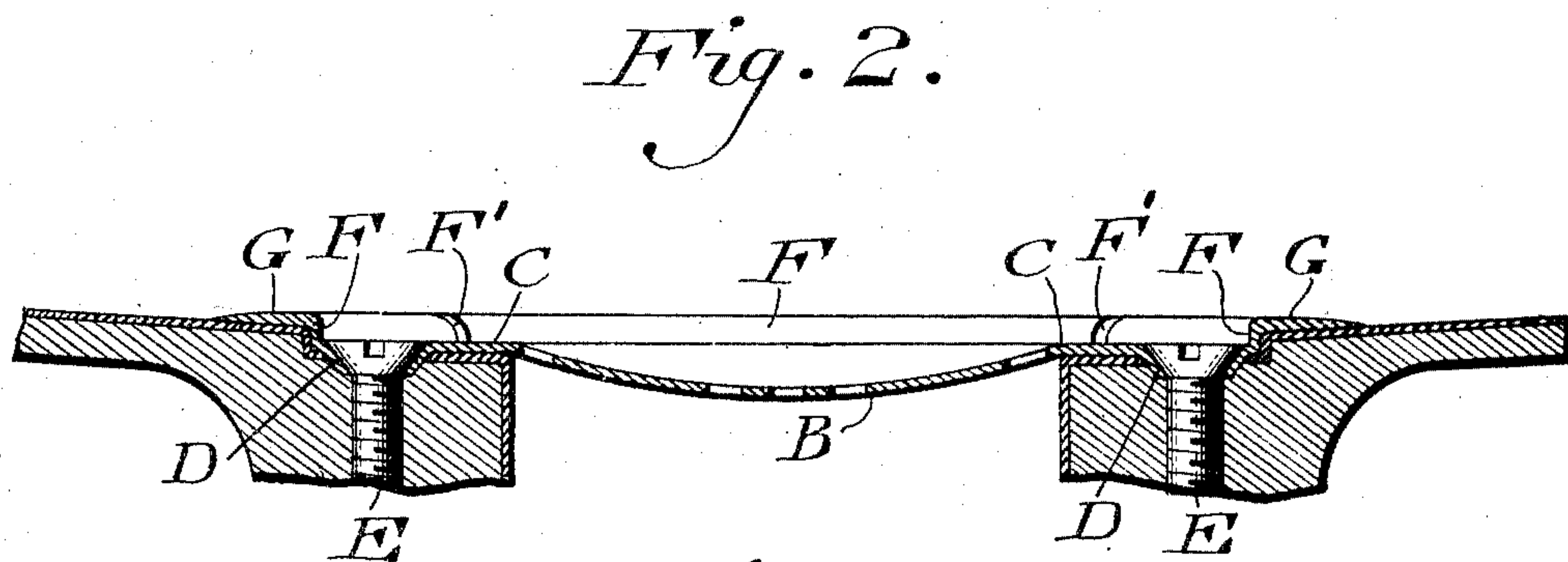
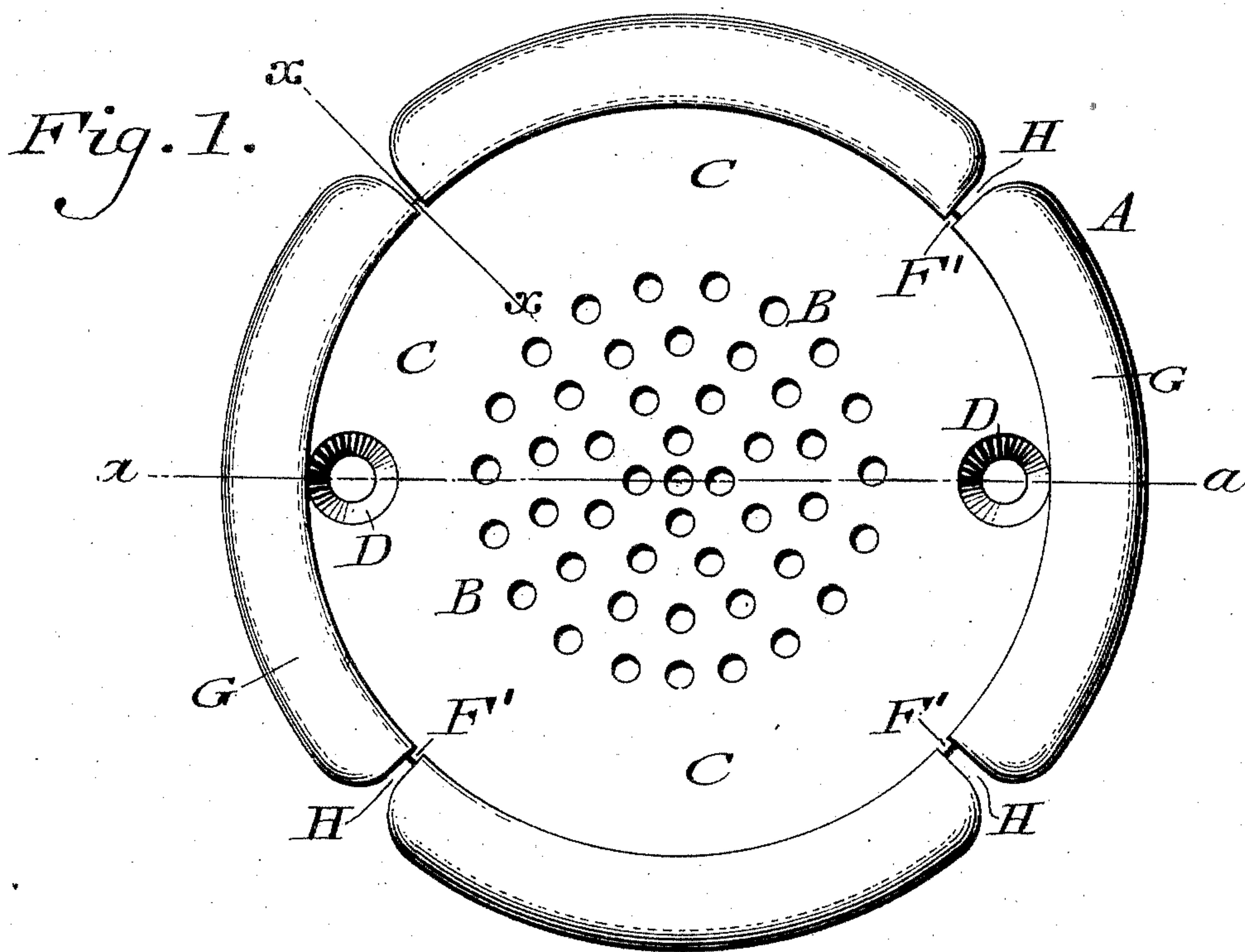


No. 780,341.

PATENTED JAN. 17, 1905.

S. E. HORNER.  
STRAINER FOR SINKS, BATH TUBS, &c.  
APPLICATION FILED APR. 13, 1904.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## STRAINER FOR SINKS, BATH-TUBS, &c.

SPECIFICATION forming part of Letters Patent No. 780,341, dated January 17, 1905.

Application filed April 13, 1904. Serial No. 202,898.

*To all whom it may concern:*

Be it known that I, SAMUEL E. HORNER, a citizen of the United States, residing at Swarthmore, in the county of Delaware, State of Pennsylvania, have invented a new and useful Improvement in Strainers for Sinks, Bath-Tubs, &c., of which the following is a specification.

My invention consists of a strainer for a sink, bath-tub, &c., comprising a body-plate partly perforated and partly solid, a flange for protecting the enamel of said sink, &c., and passages in said flange whereby provision is made for effectively draining the sink, tub, &c., as will be hereinafter set forth, the novel features being pointed out in the claims.

Figure 1 represents a top or plan view of a sink embodying my invention. Fig. 2 represents a section thereof on line *a a*. Fig. 3 represents a section of a portion on line *x x*, Fig. 1, on an enlarged scale.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a plate, preferably of metal, the central portion of which is dishing or depressed and has perforations B therein. The portion C, surrounding said central portion, is flat and solid, excepting where it is pierced by openings D to receive the securing-screws E.

F designates the circumferential wall of the plate A, said wall rising vertically from the periphery of the flat portion C, and G designates a flange which extends horizontally outward from the upper end of said wall F and rests flat upon the base of a sink, the floor of a bath-tub, &c., beneath it, the edge of said flange being thinned or feathered, so as to form a flush surface with the surrounding portion of the enamel or coating, whereby water or fluid on the sink, bath-tub, &c., will drain over said rim into the plate A, and so reach the perforations B, it being seen that the flange covers the edge of the enamel around the waste-opening, so that the same is protected against chipping. The wall F intermediate of the portion C and flange G forms a shoulder which engages with the

shoulder of the base of the sink, &c., below said shoulder or wall F and is tightened there-against by the action of the screws E, it being seen that said shoulders are adjacent to the periphery of the portion C, and so are considerably removed from the periphery of the flange G, whereby water or fluid is prevented from reaching said shoulder and the enamel around the waste-opening, the reduced or feathered edge of said flange causing the water or fluid to flow over the same on its way to the body of the strainer, raising the body of the latter, so that a kettle, pan, &c., resting on said flange will be sufficiently removed from the enamel so as not to touch and injure the same. In said flange G are radial passages H, which extend into the wall F, as at F', whereby should any water or fluid on the sink, bath-tub, &c., fail to drain over the flange G it will flow through said passages H F', and so be directed to the plate A, the effect of which is evident. The passages H have their walls flaring and rounded, so as to avoid sharp edges which would otherwise cut the towels, wash-cloths, &c., employed to clean the sink, &c.

Various changes may be made in the details of construction shown without departing from the general spirit of my invention, and I do not, therefore, desire to be limited in each case to the same.

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

1. A strainer of the character stated consisting of a plate having a central perforated portion, a flange extending outwardly from the same, and a draining-passage in the upper face of said flange leading from the outer edge of the same to said portion.

2. A strainer of the character stated consisting of a plate having a perforated central portion, a flange extending outwardly from said portion and a draining-passage in the upper face of said flange leading from the outer edge of the same to said portion, said edge being feathered.

3. A strainer for a sink, &c., consisting of

a perforated plate, a circumferential wall, and a circumferential flange, and draining-passages in said wall and flange.

4. A strainer for a sink, &c., consisting of  
5 a perforated plate, a circumferential flange, and draining-passages in said flange, the walls of said passages being flaring.

5. A strainer of the character stated consisting of a perforated central portion, a verti-

cal shoulder, and an exterior flange, said shoulder being intermediate of said portion and flange, and a draining-passage in said flange, said flange having a feathered edge.

SAMUEL E. HORNER.

Witnesses:

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