

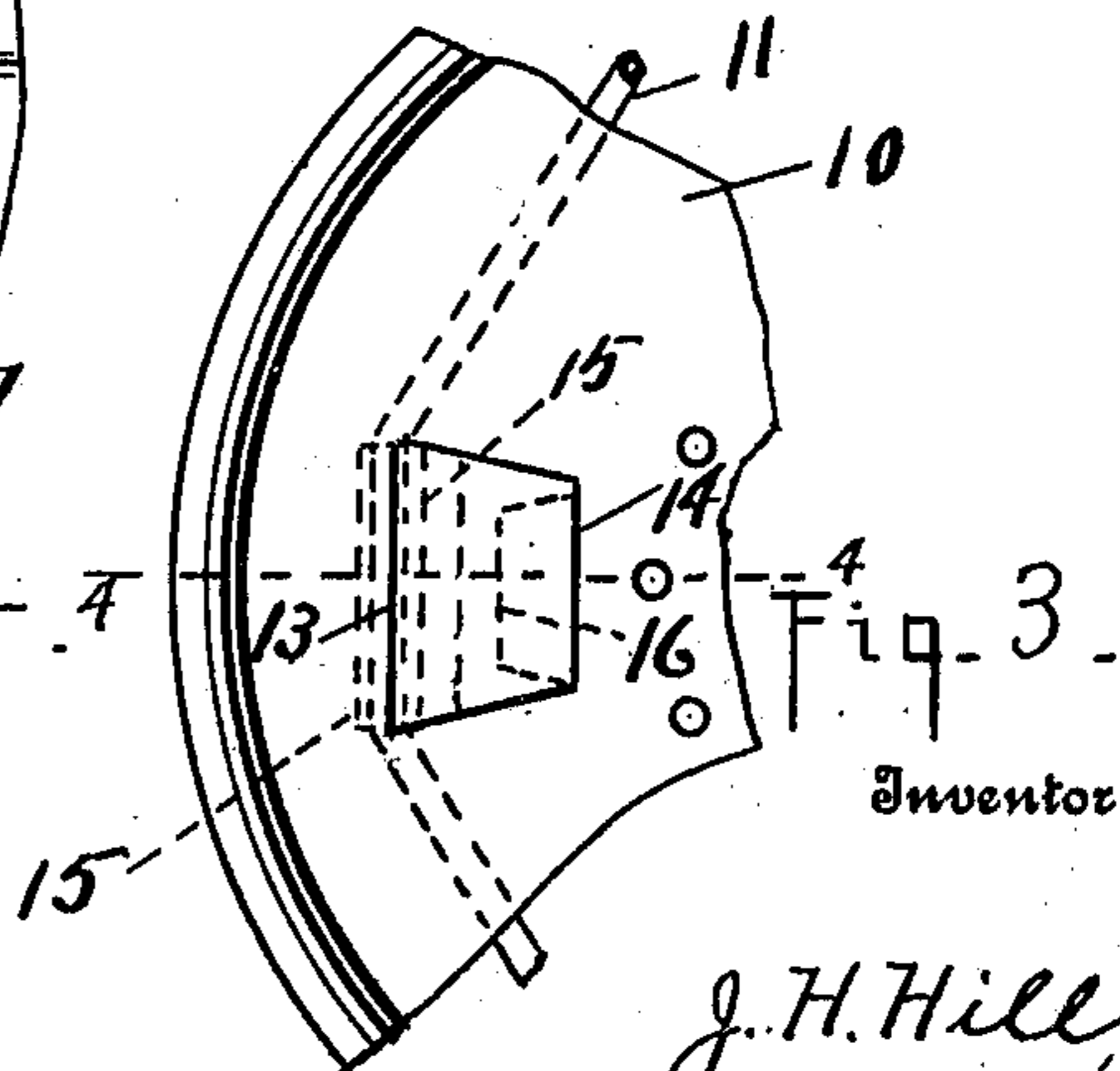
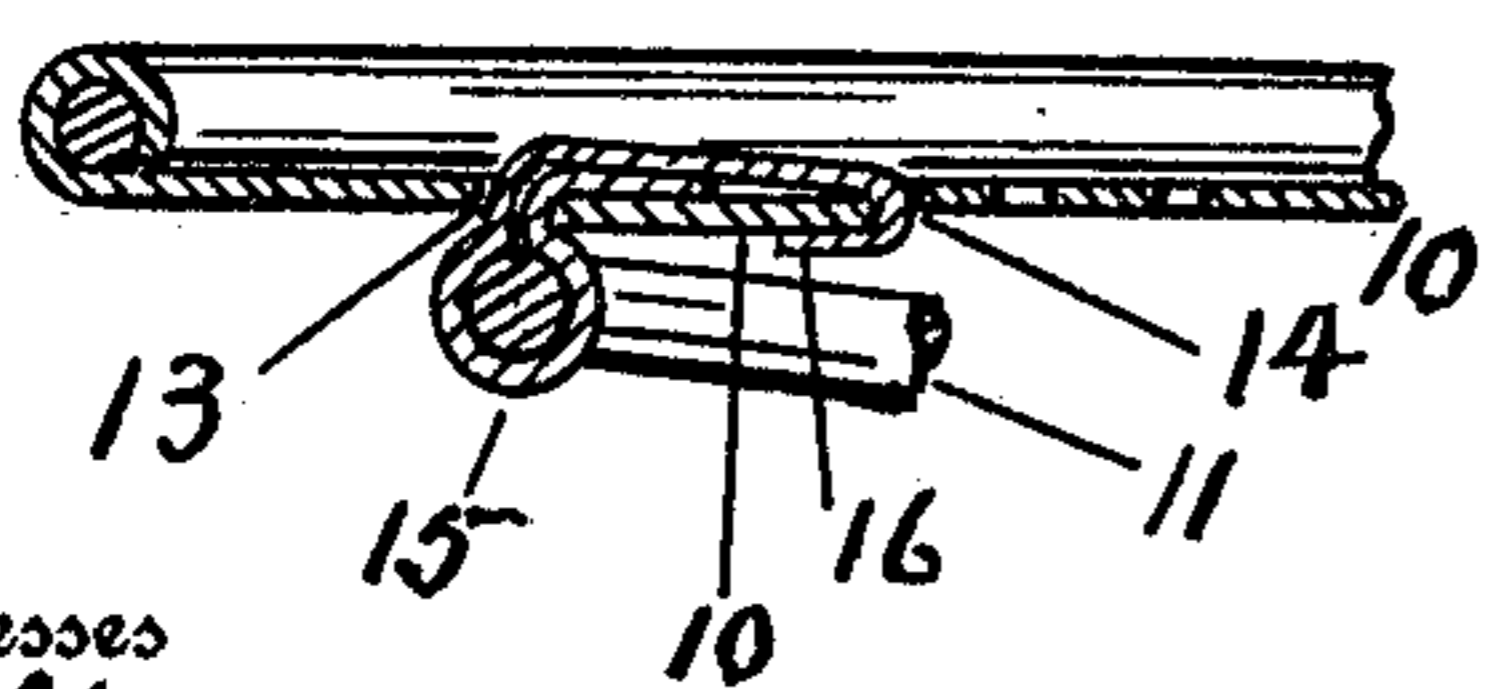
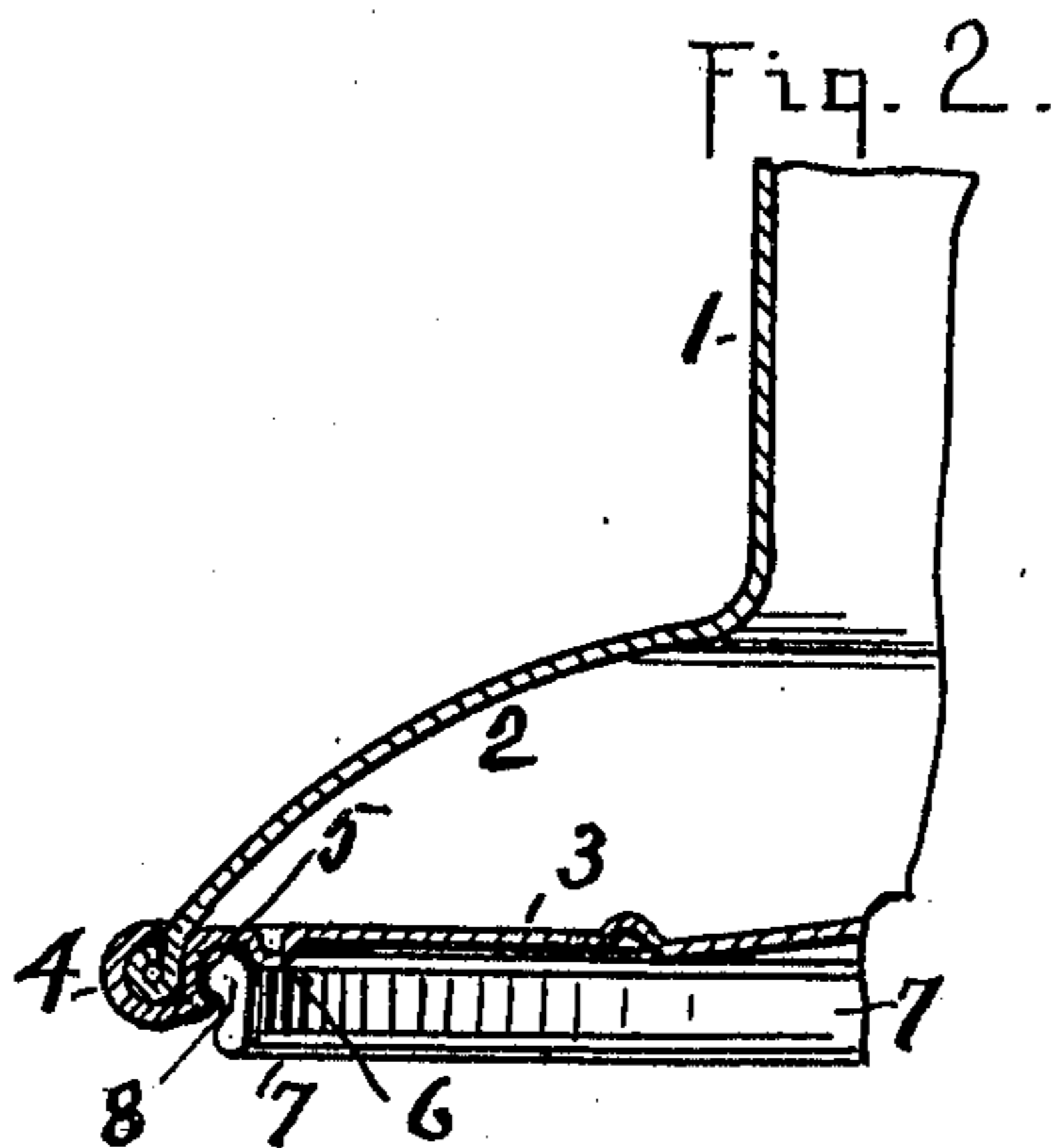
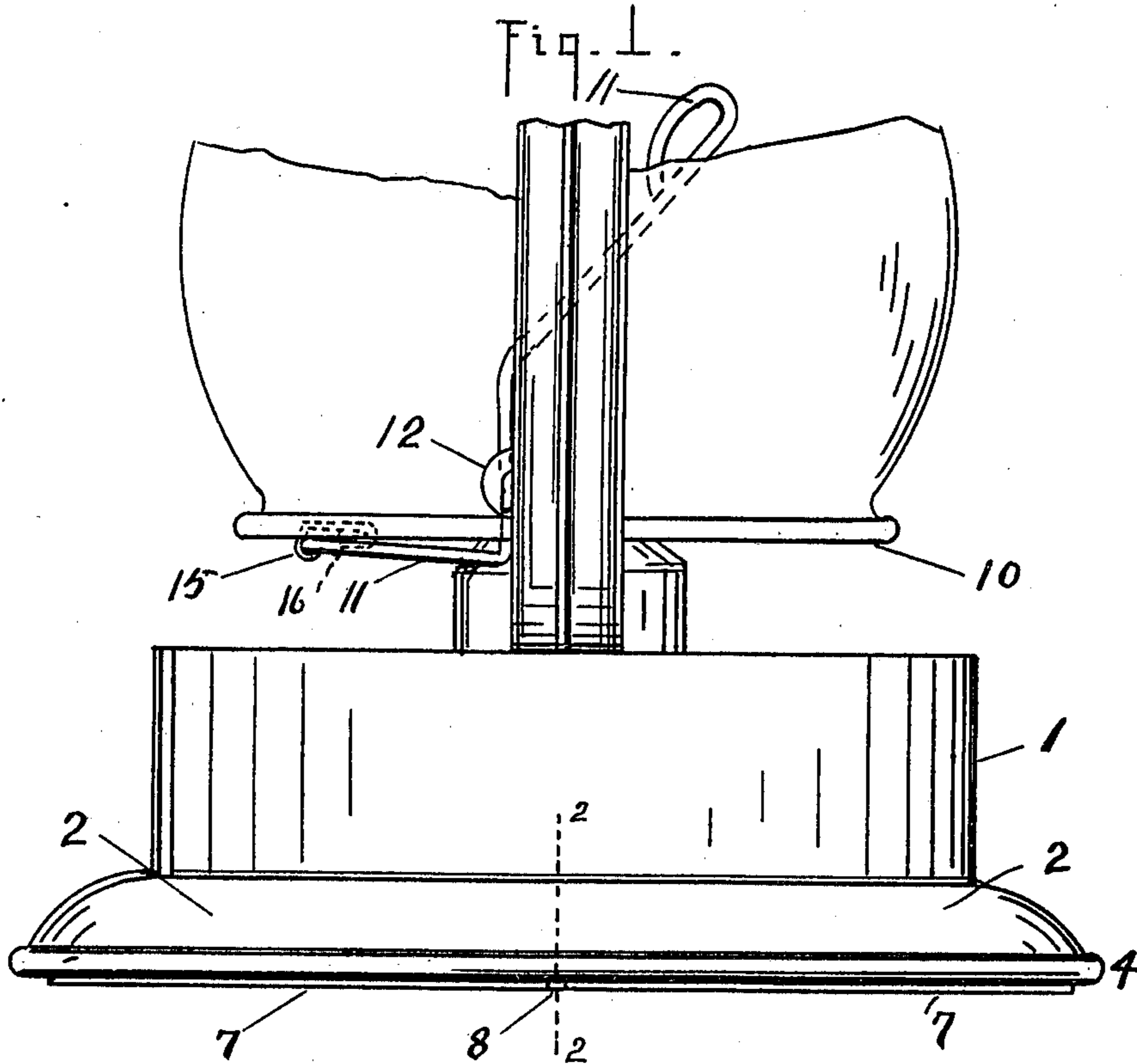
J. H. HILL.

LANTERN.

APPLICATION FILED MAY 13, 1910.

978,293.

Patented Dec. 13, 1910.



Witnesses

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LANTERN.

978,293.

Specification of Letters Patent.

Patented Dec. 13, 1910.

Application filed May 13, 1910. Serial No. 561,077.

To all whom it may concern:

Be it known that I, JAMES H. HILL, a resident of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Lanterns; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

This invention relates to lanterns, and its object is to strengthen and improve the construction of the same.

The invention consists in the construction hereinafter described and particularly pointed out in the claims.

In the accompanying drawing which illustrates the invention and forms a part of the specification,—Figure 1 is a side elevation of the lower half of a lantern; Fig. 2 is a section on line 2—2 of Fig. 1; Fig. 3 is a plan of a portion of the globe-plate; Fig. 4 is a section on line 4—4 of Fig. 3.

On the drawing numeral 1 denotes the oil-pot, flared outwardly at 2. Numeral 3 denotes the bottom of said oil-pot, and it is connected to the side wall of the pot by a rolled or folded joint 4, and preferably without the use of solder. The bottom disk 3 is formed near its periphery with a downwardly extending shoulder 5, and inside but near to the shoulder with a rib 6, the shoulder and rib forming a groove or channel around the plate.

Numeral 7 indicates a metal strengthening and protecting strip in the form of a ring, cut at one place, as shown at 8, which ring fits tightly behind the shoulder of the bottom plate and is there secured by the metal of the bottom plate which is pressed under the enlarged upper part of the strip 7, as shown in Fig. 2, sufficiently to firmly hold said strip or ring, rendering use of solder unnecessary. The lower edge of the strip 7 extends below the joint 4, which is the lowest part of the bottom plate, so that the lantern will stand on the part 7, and not directly on the part 4, as is common in lanterns. The strip or ring 7 thus protects the bottom of the lantern and prevents denting or bending thereof, either by putting the lantern down with too much force, or by transverse blows, or other rough usage such as lanterns may be subject to in use, and which have heretofore often caused leakage

in the joint 4. The ring 7 is preferably secured in place during the original making of the oil-pot, the roller by which joint 4 is formed being of suitable shape to press the metal against the ring to hold it, no separate operation being required.

It is preferred to make the strip 7 of the cross-section substantially as shown, that is, approximately Q-shape, the upper half being thicker than the lower part, thereby leaving a shoulder for the metal of the bottom to pass under, but the form may be varied without departing from the invention.

Numeral 10 denotes the lantern globe-holding plate, 11 a cranked globe lifter of well known form, and 12 one of the bearings for the lifter secured to a tube of the lantern in usual manner. Said lifter is secured to the globe plate in an improved way. The plate is slotted at two slightly separated points, as shown at 13 and 14, and a strip of sheet metal is bent to form a sleeve 15 around the lifter, the ends of the strip being then slipped through the outer slot 13, and the upper, longer end 16 being slipped down through slot 14 and bent sharply back thus securing the device easily and firmly without use of solder, and without disfiguring the globe plate, and leaving a clear even space for the globe to rest on. Preferably the ends of the strip forming sleeve 15 are tapered as shown in Fig. 3, but this is not essential. If desired both ends of the strip could be passed through slot 14.

Having thus described the invention what I claim and desire to secure by Letters Patent is:—

1. A device of the character described comprising a side wall and a bottom plate, and a protecting strip secured to the under side of said plate near its edge, and extending below the bottom of the lantern proper and forming a foot on which the lantern stands.

2. A lantern oil-pot comprising a side wall and a bottom plate connected by a joint, and a protecting strip secured to the under side of said plate near its edge by the metal of said plate.

3. A lantern oil-pot comprising a side wall and a bottom plate connected by a joint, and a protecting strip having a shoulder on its outer side secured to the under side of said plate by the metal of said plate extending under said shoulder.

4. A lantern oil-pot comprising a side and bottom, the latter having a downwardly extending shoulder near its edge, a protecting strip below the bottom and against said
5 shoulder and held in place by the metal of the bottom engaging said strip.

5. A lantern oil-pot comprising a side wall and a bottom plate, the latter having a downwardly extending shoulder near its
10 edge and a bead inside the same, and a protecting strip under the plate between said shoulder and bead.

6. A lantern oil pot comprising a side wall and a bottom connected by a joint, and a protecting strip secured against the under
15 side of the bottom to protect the joint and form a foot for the device to stand on.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

JAMES H. HILL.

Witnesses:

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F. M. SIMPSON.