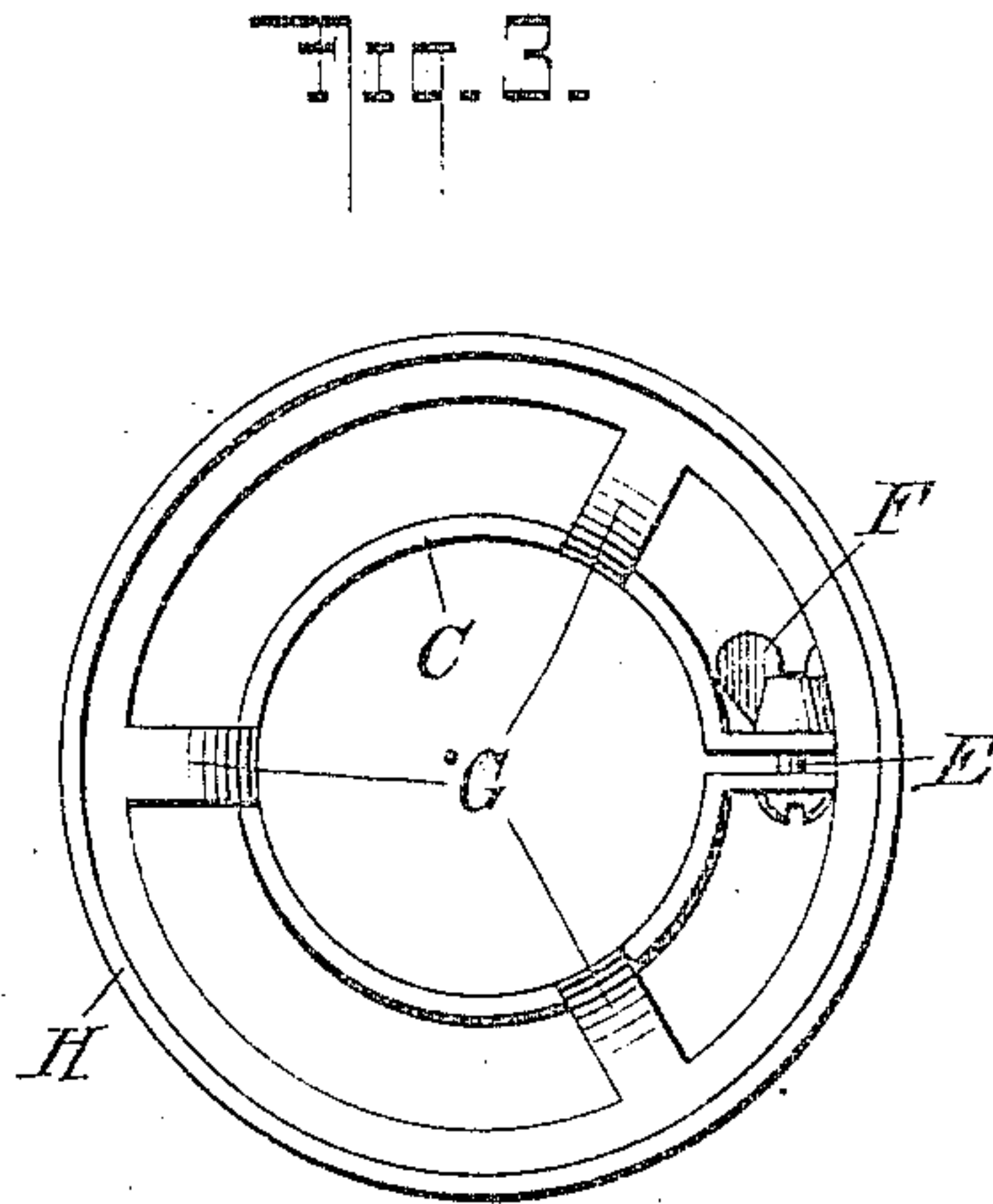
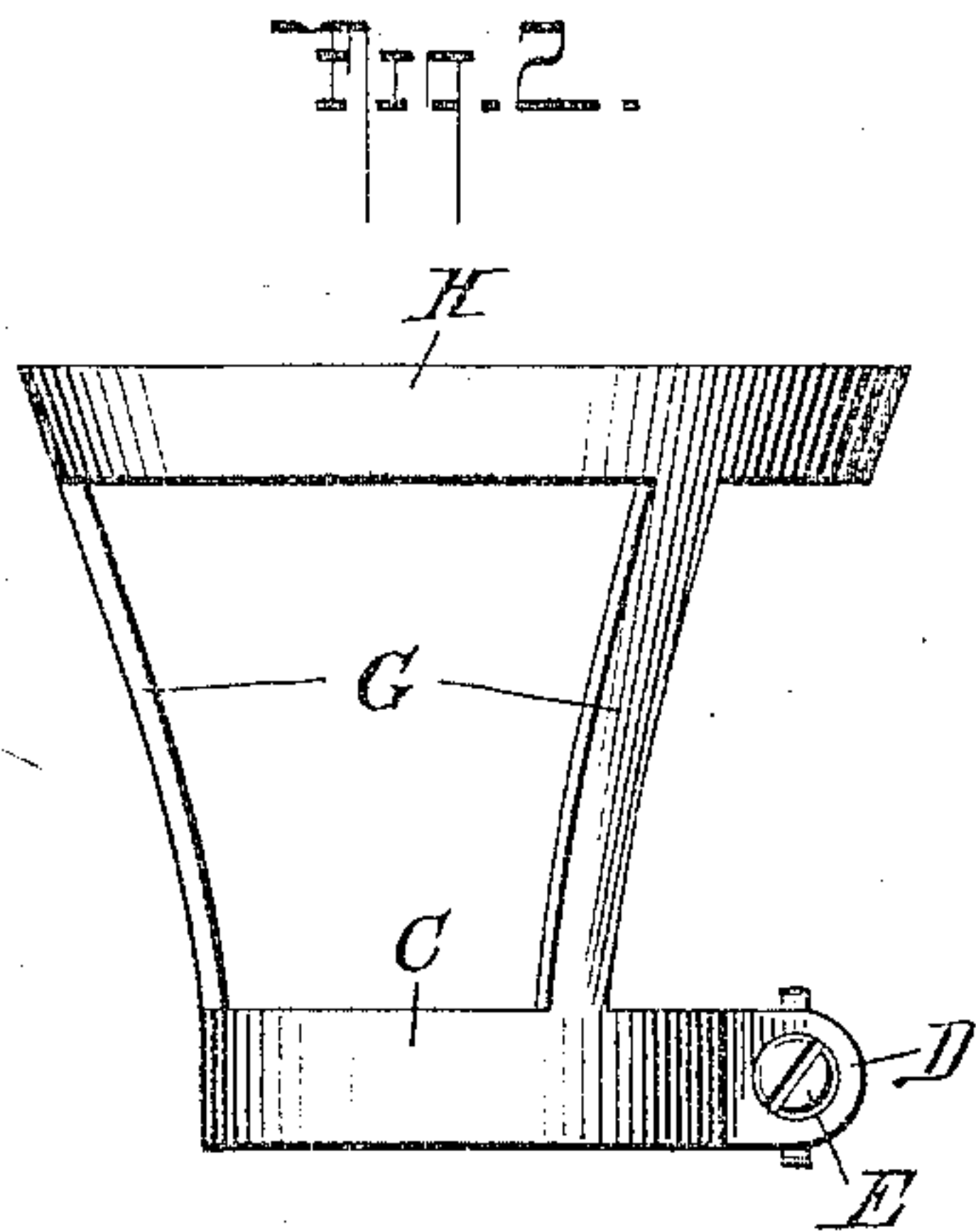
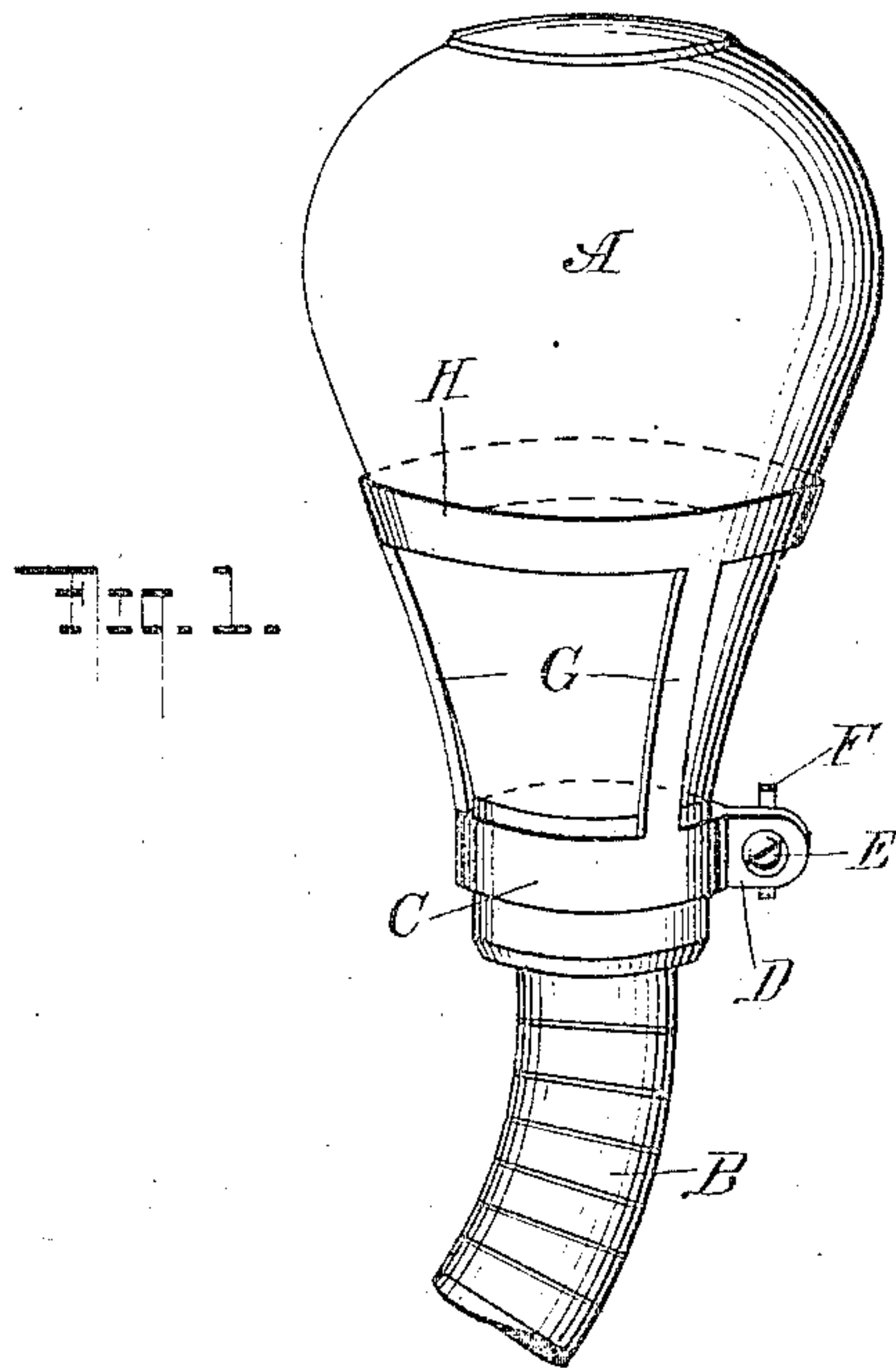


F. GORMAN.
BULB SUPPORT.

APPLICATION FILED APR. 29, 1908.

936,446.

Patented Oct. 12, 1909.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FRANK GORMAN, OF NEW YORK, N. Y., ASSIGNOR OF ONE-THIRD TO LEON SUSSMAN, OF BAYONNE, NEW JERSEY, AND ONE-THIRD TO JAMES A. WATT, OF NEW YORK, N. Y.

BULB-SUPPORT.

936,446.

Specification of Letters Patent.

Patented Oct. 12, 1909.

Application filed April 29, 1908. Serial No. 429,935.

To all whom it may concern:

Be it known that I, FRANK GORMAN, a citizen of the United States, and a resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Bulb-Supports, of which the following is a specification.

My invention relates to bulb supports and has for its object to provide a supporting device or cage to protect the bulb of automobile horns and similar devices against injury.

My device further serves as a means for maintaining the bulb in operative position and prevents the bulb from bending at the place where it is joined to the customary tube leading to the horn or to the horn itself and thus becoming broken at this point.

My invention will be fully described hereinafter and the features of novelty will be pointed out in the appended claims.

Reference is to be had to the accompanying drawings in which—

Figure 1 is a perspective view of a bulb with my invention applied thereto and showing also a part of a tube leading to the horn; Fig. 2 is a side elevation of the support or cage itself and Fig. 3 is a plan view thereof.

A represents the usual compressible bulb which is secured in the customary manner to the tube B which leads to the horn, or the said bulb may in some cases be attached directly to the horn. This all may be of any suitable construction and forms no part of my invention. The support or cage proper comprises a split ring C provided with lugs D which extend adjacent to each other and through which projects the screw-threaded shank of a bolt E. A thumb nut F is arranged to be screwed on the screw E and serves to clamp the ring C in position on the bulb at the neck thereof. Spaced bars, or uprights G extend up from the ring C and support a ring H which surrounds the bulb at a distance from the neck.

With my support or cage in position the bulb is maintained in axial alinement with the tube B or with the horn itself when the said bulb is secured directly to said horn and is prevented from bending at the neck or reduced portion thereof. The bulb is thus protected against breakage at the neck re-

sulting from continual bending at this point due to repeated use thereof. My device also supports the bulb in such a position that a blow will be effective to sound the horn or other alarm device, so that a much quicker alarm may be sounded than otherwise. Without such support a blow would simply bend the bulb at the neck without compressing it and thus would not operate the horn. The band C surrounding the bulb at that portion thereof where it is weakest and most liable to breakage, serves as a strengthening device at this point and thus prolongs the life of the bulb. The ring G encircling the bulb at a distance from the neck prevents the bulb from bending and maintains it always in operative position. If desired instead of making my support in the manner shown, the said support might be made solid or cup shaped. The ring C may be made resilient and simply sprung on the neck of the bulb, or said ring may be soldered in position as desired. The support or cage is so proportioned that the upper part of the bulb extends beyond it, which projecting part of the bulb may thus be easily compressed to operate the horn or other alarm.

I claim and desire to secure by Letters Patent—

1. The combination of a pear-shaped compressible bulb and a support therefor comprising a ring fitted around the bulb between its neck and the point of greatest diameter, longitudinal bars converging from said ring toward the neck and engaging the bulb along their entire length, and a clamp for securing the support on the neck of the bulb.

2. The combination of a pear-shaped bulb and a support therefor convexed on its inner surface to fit the neck portion of the bulb, said support terminating between the widest portion of the bulb and the neck, the entire inner surface of said support being in engagement with the bulb.

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

FRANK GORMAN.

Witnesses:

JOHN A. KEHLENBECK,
JOHN LOTKA.