

R. WALLWORK.
CONSTRUCTION OF THE BODIES OF LAMPS.
APPLICATION FILED DEC. 12, 1904.

FIG.1

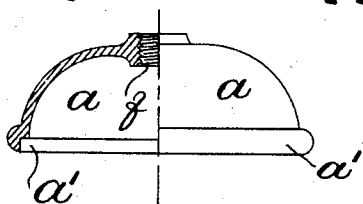


FIG.3

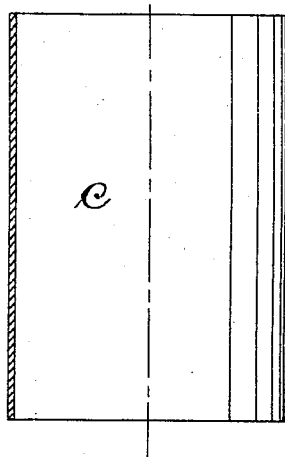


FIG.2

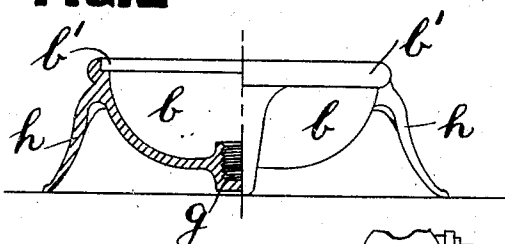
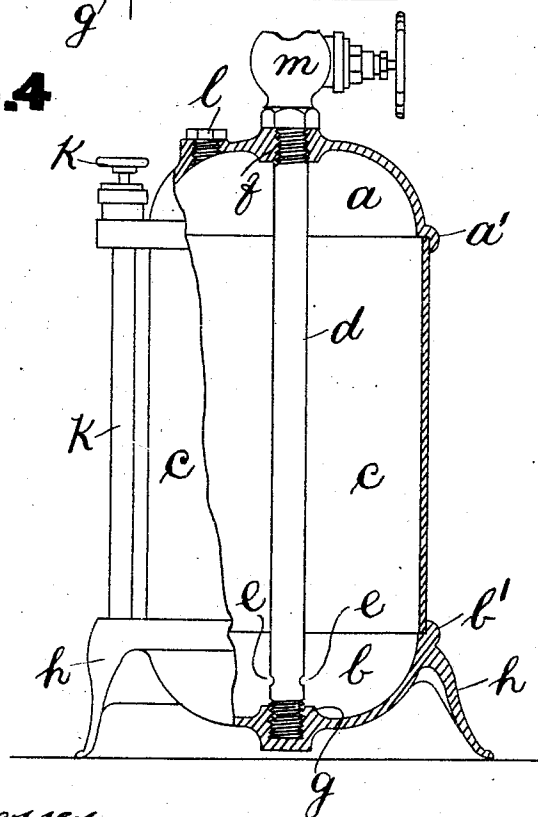


FIG.4



Witnesses
Arthur Gadd.
George Frederick Gadd.

Inventor:
Roughsedge Wallwork.
Per William Gadd.
Attorney.

UNITED STATES PATENT OFFICE.

ROUGHSEGE WALLWORK, OF MANCHESTER, ENGLAND.

CONSTRUCTION OF THE BODIES OF LAMPS.

SPECIFICATION forming part of Letters Patent No. 786,331, dated April 4, 1905.

Application filed December 12, 1904. Serial No. 236,644.

To all whom it may concern:

Be it known that I, ROUGHSEGE WALLWORK, a subject of the King of Great Britain, residing at Union Bridge Ironworks, Roger street, Manchester, in the county of Lancaster, England, have invented new and useful Improvements in the Construction of the Bodies of Lamps or Oil-Feeders, (for which I have made application for patent in Great Britain, No. 27,859, bearing date December 19, 1903,) of which the following is a specification.

The improvements relate to the construction of the bodies of lamps or oil-feeders, and have for object economy of workmanship in production, combined with strength, lightness, and facility in use. To accomplish this and to effect my improvements, I form the end portions, upon which all the useful parts are constructed or attached, of cast metal, with a suitable rim to each. I form the intervening sides, whether circular or otherwise, preferably of wrought-iron or rolled sheet or tube, the edges of which fit into the rims, ridges, or other formations for the purpose on the castings aforesaid. Through or into the central portion of these castings I introduce means for bracing the ends and sides together, consisting, preferably, of a hollow stretcher screwed into the said ends. This hollow stretcher may have lateral openings therein and be arranged as a conductor of the oil to the burner; but in all cases the parts are braced together by a central stay or stretcher device. When the parts are thus secured together, the whole may be subjected to the process of tinning or galvanizing, or the separate portions may be so treated before jointing up and the joints soldered to form the oil-tight container; but that the invention may be better understood I will, with the aid of the accompanying drawings, proceed more fully to describe means employed by me.

In the drawings Figures 1, 2, and 3 show views, partly in section and partly in elevation, of separated portions of an oil-feeder body formed and provided in accordance with one form of my improvements, and Fig. 4 shows a section, partly in elevation, of a feeder-body constructed as herein described.

The apparatus illustrated is of an upright or vertical character, *a* being the top and *b* the bottom end casting, upon which the useful parts (such, for example, as the pump *k*, valve *m*, and feet or supports *h*) are constructed or attached. *l* is an inlet formed in the cover *a* for the admission of oil to the vessel. These covers *a* and *b* are formed with suitable rims *a'* *b'*, recessed internally for the reception of the edges of a cylindrical joining-piece *c* to form the sides of the apparatus, as shown in Fig. 4.

d is a tube or hollow stretcher screwed at its ends to engage with the screwed portions *f* *g* of the castings *a* *b*, thus bracing the vessel or body together. This stretcher-tube *d* is shown provided with openings *e* to allow oil to pass from the vessel into the interior of the tube, whereby the latter may be employed as a conductor of oil to the burner, which may be mounted in the ordinary way in connection with the valve *m*.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

In a lamp or oil-feeder body the combination of end covers *a*, *b*, an intervening casing *c*, fitting into said covers, and a central perforated tube *d*, bracing together said covers and casing, for the purpose and in manner substantially as herein set forth.

ROUGHSEGE WALLWORK.

Witnesses:

GEORGE FREDERICK GADD,
ARTHUR GADD.