

R. M. DIXON.
GLOBE FOR LAMPS.
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965,880.

Patented Aug. 2, 1910.

Fig. I.

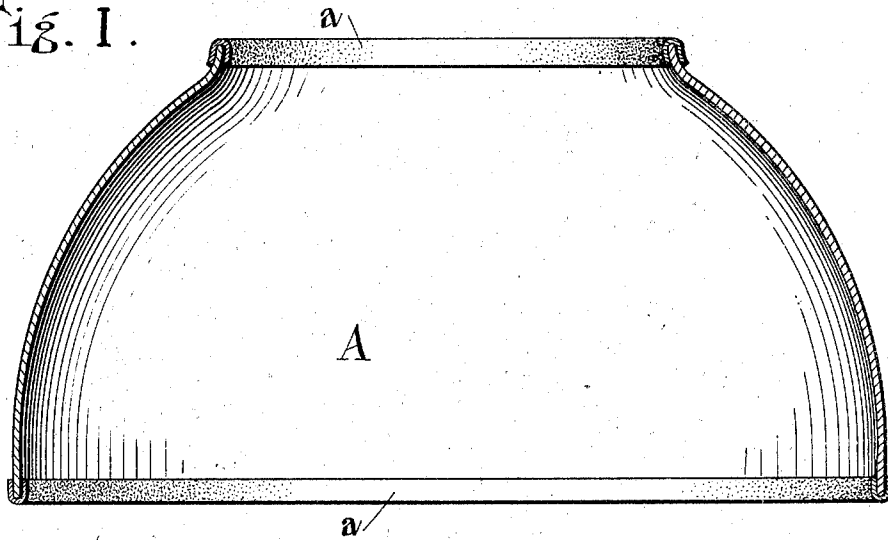
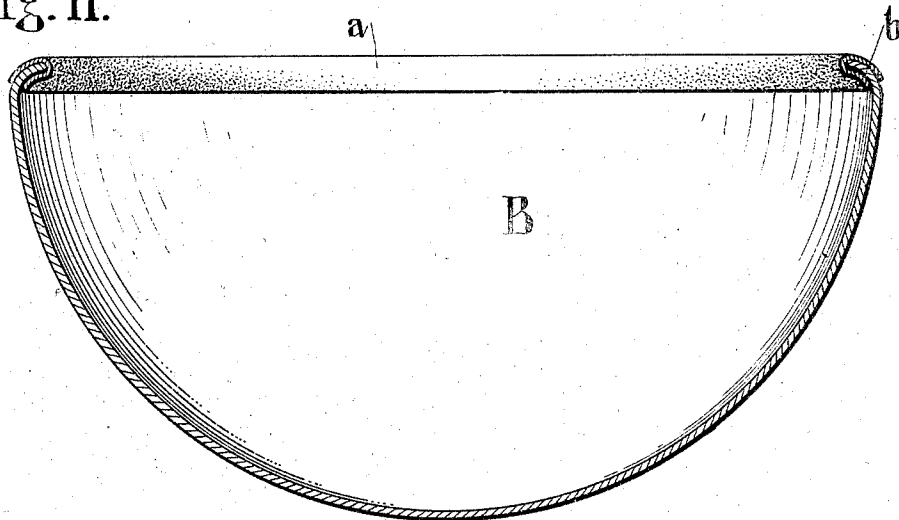


Fig. II.



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UNITED STATES PATENT OFFICE.

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GLOBE FOR LAMPS.

965,880.

Specification of Letters Patent.

Patented Aug. 2, 1910.

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To all whom it may concern:

Be it known that I, ROBERT M. DIXON, a citizen of the United States, residing at East Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Globes for Lamps, of which the following is a specification.

My invention relates to globes for lamps, within which term I desire to include also domes and other analogous translucent inclosures adapted to cooperate with the burner to effect the proper combustion of the gas or oil and a proper distribution of light.

In the accompanying drawing, I have shown two forms of construction in which my invention is embodied.

In this drawing, Figure I is a sectional elevation of a dome embodying my invention; and Fig. II is a sectional elevation of a globe embodying my invention.

As the invention is designed principally for application to gas lamps of the Pintsch type, I will, in the definite description of my invention, confine myself to gas lamps but it is to be understood that in so doing I am merely setting forth the best mode now known to me of applying my invention; that this description sets forth but one example of my invention and that I do not limit myself in any manner, desiring to include within the terms of my claim such analogous devices as may be justified by the prior art.

I find in operating gas car lamps that there has been considerable difficulty in properly packing the joint between the globe or dome and the metallic parts of a lamp.

In order to avoid redundancy, I shall in this specification treat the words "globe" and "dome" as synonymous.

The necessity of properly packing the joint or joints referred to is twofold: first, to avoid the objectionable entry of air through the joint which would disturb the normal air currents in the lamp; and second, to provide means for preventing objectionable contact and rattling of the glass-ware against the metallic parts of the lamps.

It has heretofore been proposed to employ a soft fibrous heat insulating material laid or tamped into a groove. I have observed

that this is sometimes objectionable for the reason that it is extremely difficult, if not impossible, to secure absolute uniformity in the body of the said ring, the result being that owing to the irregularity of the thickness or depth of the fibrous non-conducting material the joint has been of an irregular character permitting air to enter to an objectionable degree and failing to provide at some points in the edge of the glass-ware adequate insulation from the hot metallic parts of the lamp, whereby the edge of the glass-ware is not of uniform temperature throughout its entire extent setting out objectionable strains in the said edge.

These and other objections are obviated by my invention which, briefly stated, consists in securing the soft or non-heat conducting material permanently to the edge of the glass-ware instead of packing it into a groove or applying it loosely to the metal parts with which the glass-ware contacts.

In the drawing, I have shown a dome A and a globe B the globe having an inturned edge *b*. To the edges of the globe and dome I apply a soft fibrous non-heat conducting strip *a* but it is obvious that any material of a yielding character can be employed. In the present instance, the strip consists of a woven asbestos tape which is caused to adhere to the edge of the glass-ware by a cementing material, preferably water-glass (sodium silicate.) This tape preferably and for obvious reasons embraces both sides or faces of the glass-ware adjacent to the edge. In plain words, the tape is preferably placed around the edge of the glass-ware and permanently secured thereto.

It will be understood that in employing the word "glass-ware", I do not limit myself to glass but that other and analogous materials are intended to be included in such term.

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

As a new article of manufacture, a globe or dome of vitreous, transparent material having an annular rim portion inclined at an angle with respect to the body portion,

and an annular continuous strip of asbestos
formed into a ring and having its sides in
open separated relation adapted to fit over
the inclined rim portion of said globe to
5 form an inner and outer continuous pro-
tector therefor, said strip being perma-
nently secured to the inner and outer mar-

gins of said rim by means of a non-combus-
tible, non-decomposable, adhesive substance.

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Witnesses:

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