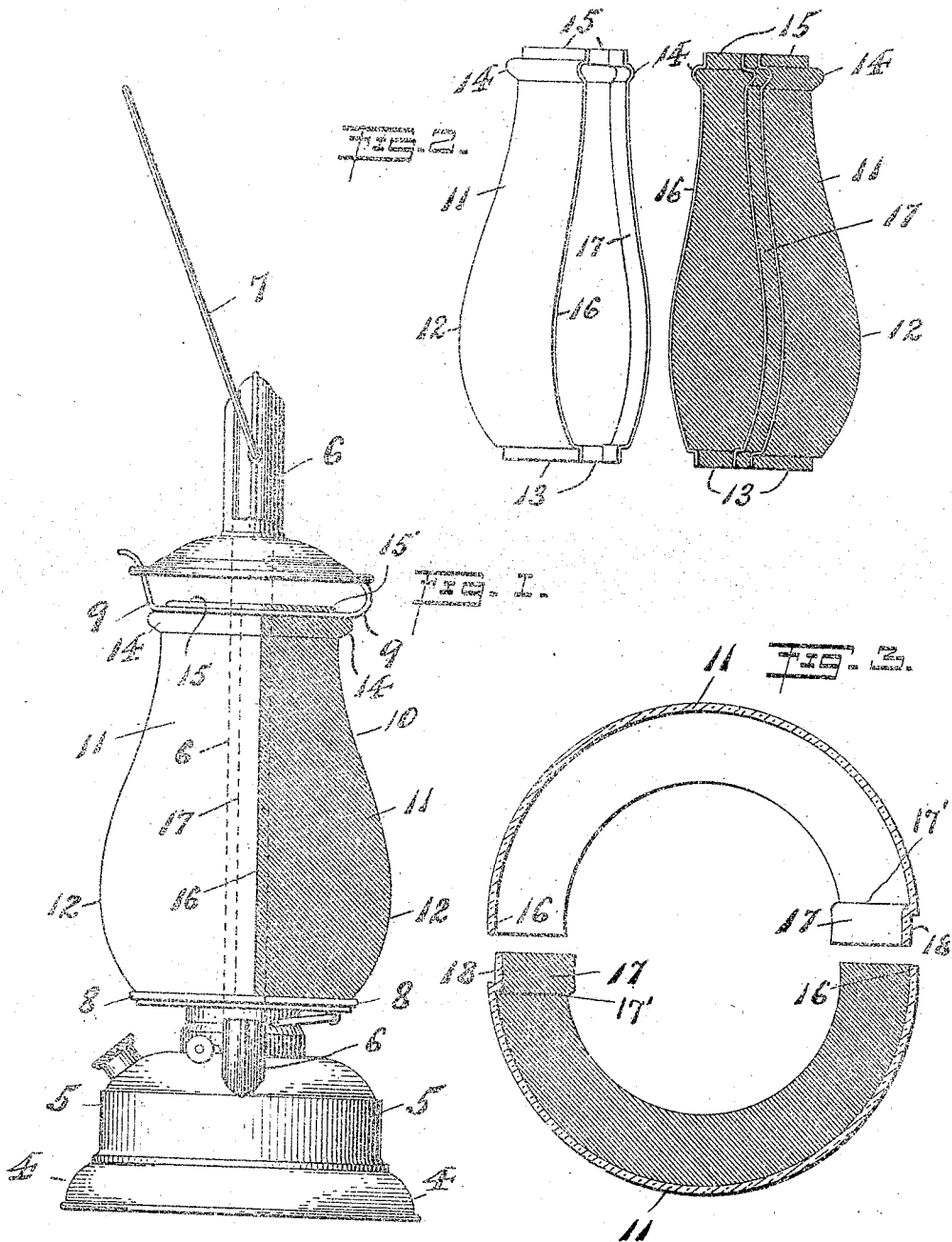


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 GLOBE FOR LAMPS OR LANTERNS.
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UNITED STATES PATENT OFFICE.

ADOLPH OTT AND OSCAR BECK, OF NEWARK, NEW JERSEY.

GLOBE FOR LAMPS OR LANTERNS.

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To all whom it may concern:

Be it known that we, ADOLPH OTT and OSCAR BECK, citizens of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Globes for Lamps or Lanterns; and we 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 appertains to make and use the same, reference being had to the accompanying drawings, and to characters of reference marked thereon, which form a part of this specification.

The present invention has reference generally, to improvements in chimneys or globes for portable lamps or lanterns; and the invention refers more especially to a novel construction of chimney or globe adapted to be used more particularly with the class of lamps or lanterns used as signal lanterns by railroad men; as wagon lights; signal lights; lights for marking obstructions; barn-lanterns, and all lanterns or lamps provided with means for retaining the chimney or globe at both its top and bottom ends.

This invention has for its primary object to provide a chimney or globe, for lamps or lanterns of the character above described, which is so constructed as to provide two sections separable one from the other, but so arranged as to be capable of being placed together to form a perfect wind-proof chimney or globe. The advantages of such a construction are that each section being complete in itself is adapted to be slidably fitted to any other section of a similar shape and size, so that in case one becomes broken instead of the necessity of replacing the entire chimney or globe, a single new section may be arranged with the remaining or unbroken section, thus saving expense in replacing broken chimneys or globes; another advantage resides in the fact that it is possible to arrange together two sections of dissimilar colors of glass, such for example as red and white; green and white; red and green or any other desired combination of colors whereby the lamp or lantern may be caused to combine in itself an illuminating function and a signal function, or improve and increase its character as a purely signaling lamp or lantern. By this

means the lamp or lantern is improved and its uses increased for railway men, for wagon use and marking dangerous obstructions and the like, as well as for many other purposes which will readily commend themselves to the user.

A still further object of the present invention is to provide a chimney or globe of the character above described which can be more easily and economically packed and handled in both shipping and storing the same, since the sections, of which said novel chimney or globe is composed, may be readily placed one within the other so as to occupy very much less space than the old style chimneys or globes, and furthermore the same may be packed and shipped with less liability to breakage.

Other objects of the present invention not at this time more particularly enumerated will be clearly understood from the following detailed description of our present invention.

With these various objects of our present invention in view the same consists in the novel construction of chimney or globe hereinafter set forth; and, furthermore, this invention consists in the novel arrangements and combinations of the various parts, as well as in the details of the construction thereof, all of which will be hereinafter more fully described and then finally embodied in the clauses of the claim which are appended to and which form an essential part of this specification.

The invention is clearly illustrated in the accompanying drawings, in which:—

Figure 1 is a side elevation of a lamp or lantern equipped with the novel construction of chimney or globe embodying the principles of our present invention, a portion of said lamp or lantern frame being broken away to more clearly illustrate some of the novel features of said chimney or globe. Fig. 2 is a perspective view of a pair of chimney or globe sections embodying the principles of our present invention, the same being illustrated as about to be placed together to form a completed chimney or globe. Fig. 3 is a horizontal cross section of a pair of said chimney or globe sections, the same being shown slightly separated to more clearly illustrate the joining flanges or ribs with which said sections are provided.

Similar characters of reference are employed in all of the above described views to indicate corresponding parts.

Referring now to the several figures of the drawings the reference character 4 indicates a portable lamp or lantern provided with the usual oil-reservoir 5, frame-work 6, and handle 7. The said lamp or lantern 4 is further provided with a globe-seat 8 and a globe-top retainer-member 9, both of which may be of any of the well-known types of construction.

The reference-character 10 indicates a complete globe or chimney embodying the principles of our present invention, the same comprising a pair of globe-sections 11. Each of said globe-sections 11 is semi-circular in shape and is or may be provided with the bellied-portion 12. The lower peripheral edge of each globe-section 11 is provided with the annular flange-member 13 which is adapted to engage and be retained by the globe-seat 8 of said lamp or lantern 4. In like manner the upper end of each globe-section 11 is provided with an outwardly flared rib 14 just below the upper peripheral edge thereof which terminates in an annular flange-member 15 adapted to be operatively engaged by said globe-top retainer-member 9 of said lamp or lantern 4. Each of said globe-sections 11 is provided upon one of its vertical or longitudinally extending marginal edge-portions with a perfectly straight edge 16 following, of course, the conformation or shape of the said globe-section, while the opposite vertical longitudinally extending marginal edge-portion of each globe-section 11 is provided with an angular offset 17' from which extends a flange 17, so arranged and constructed as to provide a receiving-seat 18 for the straight edge 16 of a companion globe-section 11 when two of the latter are placed together to form a completed chimney or globe 10. It will be clearly understood also that the said offset 17' and the flange 17 provide a joint between the adjoining globe-sections 11 which is practically wind and air-proof thus rendering the globe-sections 11, when placed together, a proper protection to the light flame they inclose, and assuring a perfect draft for said light frame, the sections at the same time being slidably connected so as to allow for a perfect expansion and contraction of the sections, as will be clearly evident, but under normal conditions the straight edge 16 of the one sec-

tion abutting directly against the offset 17' of the other section. When two of said globe-sections 11 are placed together they will form a perfect chimney or globe, so alining themselves that the respective flange-members 13 and 15 of each globe-section will fit together ends to ends so that they may be retained by the globe-seat 8 and globe-top retainer-member 9 for the purpose of retaining said complete globe or chimney 10 in its proper relation with the lamp or lantern 4, and at the same time said globe-seat 8 and globe-top retainer-member 9 serve to retain the two globe-sections 11 together in their proper relation one with another. Of course, it will be clearly understood that one or both of said globe-sections 11 may be constructed of tinted glass of any desired color suitable for the purpose to which said lamp or lantern 4 is desired to be put, as hereinabove referred to.

From the above description it will be seen that we have devised a simple and advantageous construction of lamp or lantern chimney or globe provided with interchangeable and separable sections which renders the lamp or lantern of greater adaptability to the many purposes to which it may be put, as well as providing a cheap and economical globe or chimney both as to its actual use as well as in the packing and storing of the same.

We claim:—

A lamp-chimney or globe comprising separably connected sections, said sections being of different colors, and each section being provided along one of its marginal and longitudinally extending edge-portions with an angular off-set, and a flange extending from said off-set, said flange extending directly upon the opposite longitudinally extending edge-portion of the other section, the marginal edge of said last-mentioned section being adapted to abut directly upon said off-set, and the said flange being slidably disposed upon the marginal edge-portion of said last-mentioned section, substantially as and for the purposes set forth.

In testimony that we claim the invention set forth above we have hereunto set our hands this 20th day of August, 1909.

ADOLPH OTT.
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Witnesses:

GEORGE D. RICHARDS,
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