

W^m WESTLAKE.

IMPROVEMENT,

BROOKLYN, N.Y.

IN LANTERNS.

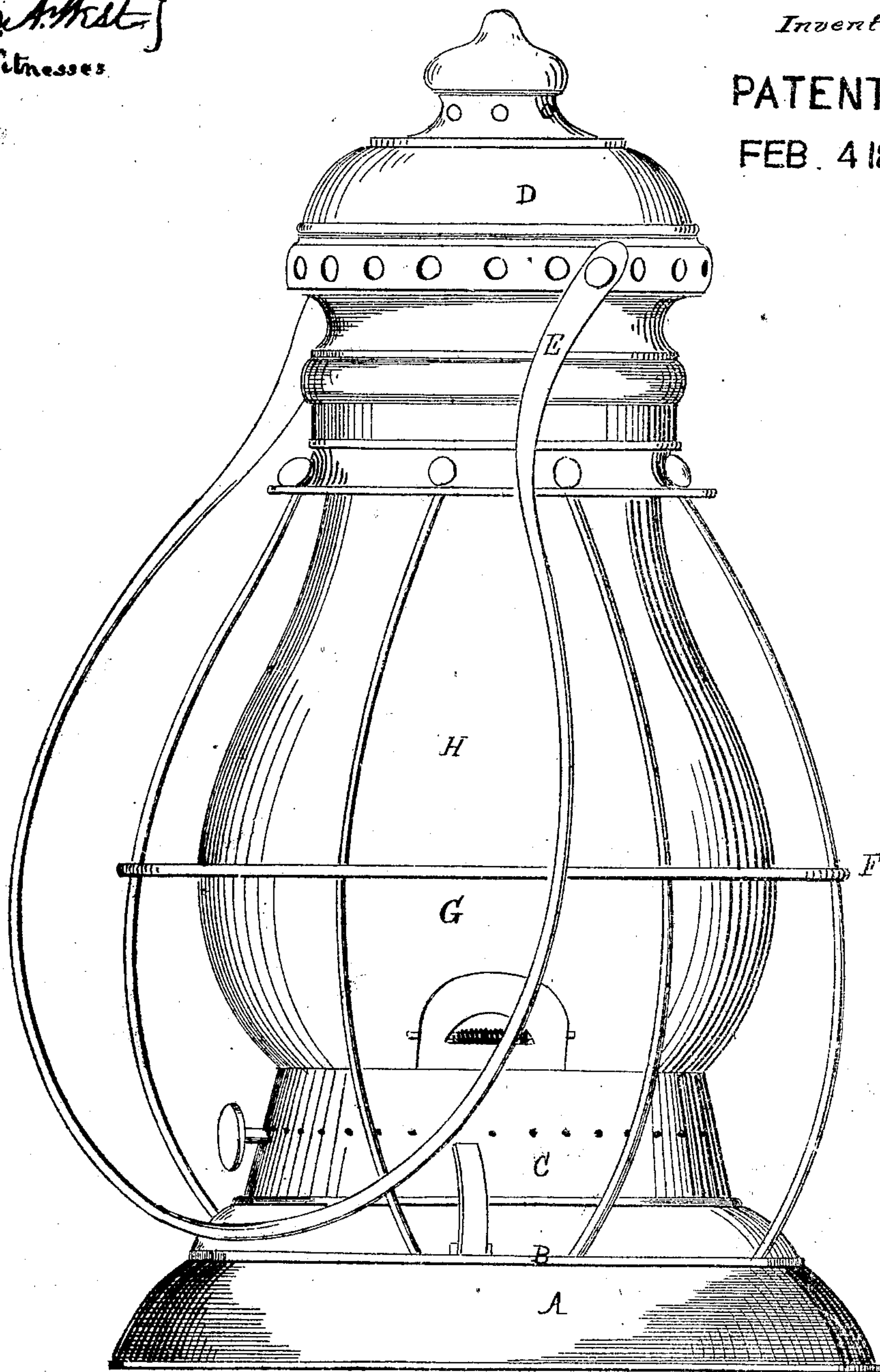
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L. L. Bond,
C. A. Hart,
Witnesses

William Westlake,
Inventor.

PATENTED

FEB. 4 1868



United States Patent Office.

WILLIAM WESTLAKE, OF BROOKLYN, NEW YORK.

Letters Patent No. 74,020, dated February 4, 1868.

IMPROVED LANTERN-GLOBE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM WESTLAKE, of the city of Brooklyn, in the county of Kings, and State of New York, have invented a certain new and useful Improvement in Lantern-Globes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, the figure shown being a full view.

The nature and object of my invention consist in constructing a lantern-globe of different colors in a single piece.

Heretofore lanterns have been made to show different colors by using separate pieces of colored glass or colored rings around the burner inside of the globe; and all of these arrangements have been found to be exceedingly liable to disorder or breakage, or both.

For the use of conductors of railway-trains, and for other purposes, it is desirable to have different colors shown, and by this arrangement of colors all of the purposes of a signal-lantern are subserved, while the light from below is unobstructed by the coloring of the glass or the shading of separate pieces, so that a conductor can collect his fares or tickets with as clear a light as is shown by an uncolored globe or light, and the light thrown upon the floor or upon the ground is not interfered with, so that the lantern is not injured for general purposes, and is equal to any as a signal-lantern.

To enable others skilled in the art to make and use my improved globe, I will describe its construction and operation.

The base, A B C, mountings D, bail E, and guards F, may be made in the form shown, or in any of the forms known or used in the construction of lanterns. The globe G H is made with its upper part, H, colored, and its lower part, G, clear or uncolored, as shown, and the colored portion is brought down so as to come on a line, or nearly on a line, with the top of the flame; a little distance above or below, however, is not material. These globes are made in two ways or modes. By one mode the globe is blown or made clear, and a separate ring made to fit over it, and stained in the glass by any of the usual modes, and then put over the globe, and annealed, so as to adhere to the globe and form a part of it. The other mode is to make them originally in two parts, the upper portion, H, stained, and the lower portion, G, clear, and anneal them together so as to form a single globe. I prefer the latter method, as it makes a more regular and perfect line between the colored or stained portion and the clear portion than the other mode, and leaves the globe of equal thickness throughout its entire length, and a deeper tint or color can be given, unless the globe in the other process of manufacture is lined both on the outside and inside. The seam or line of junction may be vertical, so as to give the lantern two fronts.

Its operation will readily be seen from the drawings, and understood without description, as it will be seen that the horizontal rays of light, and those below the plane of the flame, will be clear, while those above will be colored, and the colored portion can be seen and distinguished at a great distance.

What I claim as new, and desire to secure by Letters Patent, is—

A lantern-globe, made of or finished into a single piece, having one portion colored and a part clear, substantially as specified.

Witnesses:

L. L. BOND,
E. A. WEST.

WILLIAM WESTLAKE.