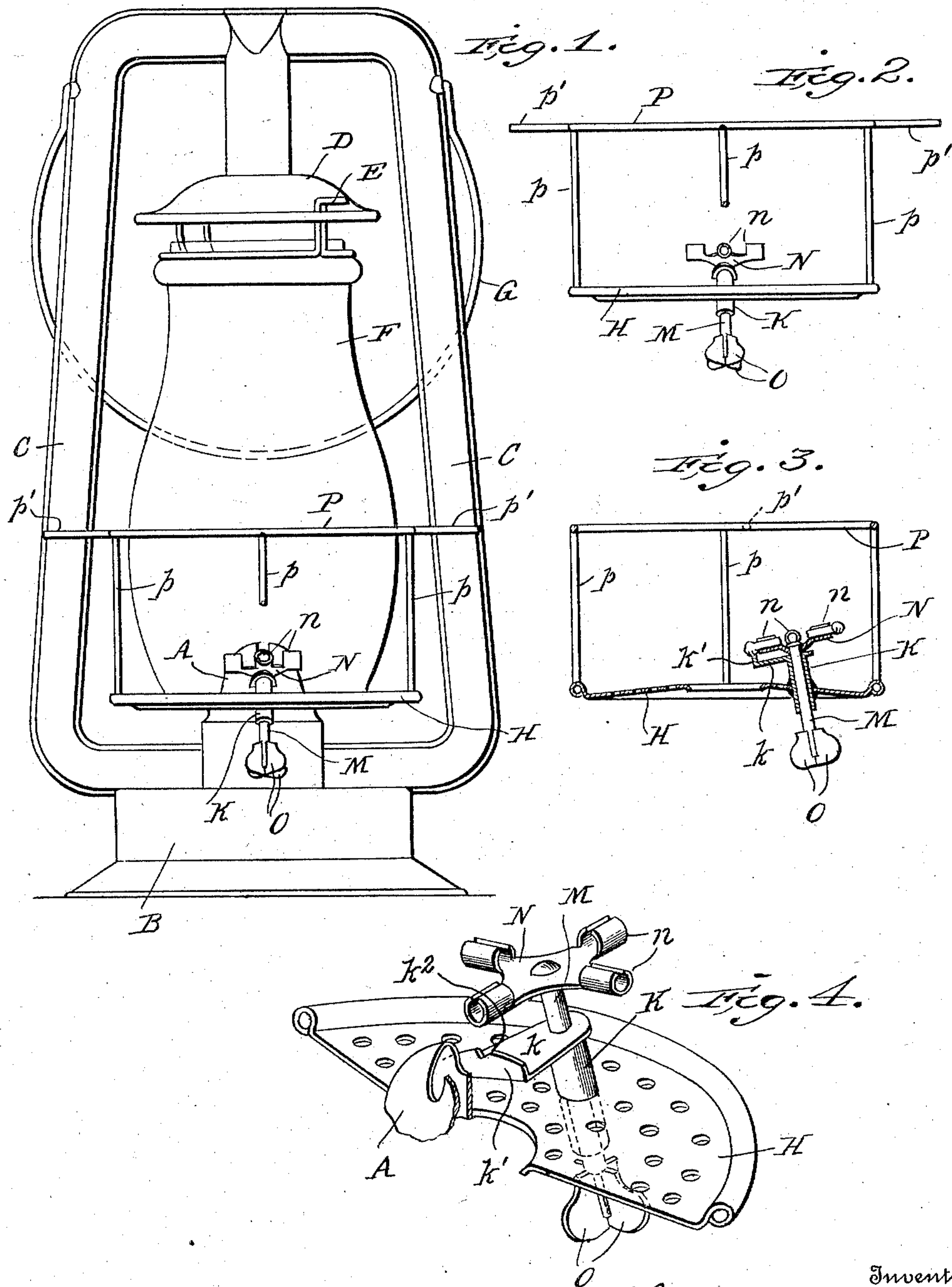


L. A. ROBERTS.
 LANTERN.
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Witnesses
 Elizabeth G. Gifford
 Walter S. Brown

Inventor
 Lewis A. Roberts

By *Clarence Church*
 his Attorney

UNITED STATES PATENT OFFICE.

LEWIS A. ROBERTS, OF SCRANTON, PENNSYLVANIA, ASSIGNOR TO ROBERTS SAFETY LANTERN MANUFACTURING COMPANY, OF SCRANTON, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

LANTERN.

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To all whom it may concern:

Be it known that I, LEWIS A. ROBERTS, a citizen of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented certain new and useful Improvements in Lanterns; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the figures and letters of reference marked thereon.

This invention relates to improvements in lanterns and more especially to lanterns employing a globe supporting gallery, such for instance as the tubular lantern in common use.

The objects of the invention are to provide a cheap, practical and convenient construction embodying a wick lighting mechanism which may be operated without opening the lantern or exposing the igniter to the influence of external drafts or weather conditions, such as would destroy its efficiency.

The invention consists in certain novel details of construction and combinations and arrangements of parts, all as will be now described and pointed out particularly in the appended claims.

In the accompanying drawings—Figure 1 is an elevation of a lantern embodying the present improvements; Fig. 2 is a similar view of the gallery, globe guard and igniter removed from the lantern; Fig. 3 is a vertical section through the parts shown in Fig. 2; and Fig. 4 is a detail perspective view of the igniter and a fragment of the gallery and burner.

Like letters of reference in the several figures denote the same parts.

The lantern in connection with which the present invention is illustrated, is of a conventional well known type having a burner A, oil chamber B, and side tubes C leading from the burner base up to a bell D, the latter having a snap holder E for the upper end of a globe F. A handle or bail G is pivotally connected with the tubes and the globe is supported on a foraminous gallery H surrounding the burner and preferably resting on the burner base where it is held by the pressure of the globe.

In accordance with the present invention, the gallery H, in addition to supporting the

globe, forms the support for the igniting apparatus, thus the gallery and igniting apparatus may be assembled complete before being mounted in position in the lantern thereby greatly facilitating manufacture and permitting of the ready substitution of a new igniting apparatus at a comparatively small cost in case of breakage or destruction of the apparatus on the lantern.

The igniting apparatus is of very simple construction and embodies a tubular bearing K mounted rigidly in diagonal position in the floor of the gallery and having at its upper end a transversely extending arm k , the end k' of which is turned up. The upper edge of the upturned end k' is provided with a central nick k^2 and is inclined down on each side of the nick. Extending through and journaled in the tubular bearing is a longitudinally movable igniter shaft M carrying at its upper end an igniter holder which consists of a plate N having a plurality of points n each bent into tubular form and adapted when the shaft is down to rotate in proximity to the igniting surface formed by the edge of the arm k' . Below the gallery and bearing, the shaft is provided with a finger piece or pieces by which the igniting mechanism may be manipulated. Experience has demonstrated that an ordinary finger piece, such as an enlargement or handle, is not satisfactory but by the employment of radially arranged wings O sufficiently wide to be readily grasped between the thumb and finger, the shaft may be raised or depressed to the requisite extent and at the same time turned with certainty and with a proper pressure to scratch the igniters so as to light the same and present the flame to the wick of the lantern.

Obviously, the gallery and igniting mechanism should be properly positioned with relation to the end of the burner and while various expedients to insure the proper positioning of the gallery on the burner will suggest themselves, I now combine the positioning means with the globe guard, thus the wire guard P which surrounds the globe has downwardly extending portions p secured to the edge of the gallery and laterally extending fingers p' adapted to rest against the side tubes of the lantern. When the fingers are in position against the side tubes the igniter will be properly positioned with relation to the burner.

In use, short igniters such as the ends of ordinary friction matches are inserted in the holders *n* in position to pass over the edge of the scratcher and be ignited by engagement with the said edge and walls of the nick. The nick not only causes the ignition, but serves to position the igniter for lighting the wick.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States is—

1. In a lantern, the combination with a burner, a globe supporting gallery held by the burner and means for holding a globe on the gallery, of an igniting mechanism embodying a tubular bearing rigidly mounted on and projecting through the floor of the gallery, an arm projecting from the upper end of said bearing and having an igniting surface at its end, a longitudinally movable shaft journaled in said bearing, an igniter carrier on the upper end of the shaft, and a finger-piece on the lower end of the shaft, said finger-piece having radial projections.

2. In a lantern, the combination with a burner, a globe supporting gallery held by the burner and means for holding a globe on the gallery, of an igniting mechanism

embodying a tubular bearing passing through the floor of the gallery, an igniter arm rigid with said bearing and having an igniting surface formed with a central nick and inclines on opposite sides of said nick, a longitudinally movable shaft journaled in said bearing, an igniter carrier on the upper end of said shaft and a finger-piece on the lower end of the shaft whereby the igniter carrier may be raised and lowered and rotated with the igniter in contact with the igniting surface.

3. In a lantern, the combination with the burner, burner base, tubes extending upwardly from said burner base, bell with which the tubes communicate, gallery loosely mounted on the burner base and globe holder on the bell, of an igniting mechanism secured to the gallery, a globe guard secured to the gallery, whereby the gallery globe guard and igniting mechanism may be bodily mounted in position, and projections on the guard cooperating with the tubes for positioning the gallery and igniter with relation to the burner.

LEWIS A. ROBERTS.

Witnesses:

HERBERT L. TAYLOR,
A. A. LINDABURY.