(No Model.)

E. H. HADLEY.

LANTERN ATTACHMENT.

No. 339,167. Patented Apr. 6, 1886.

Fig. 1.

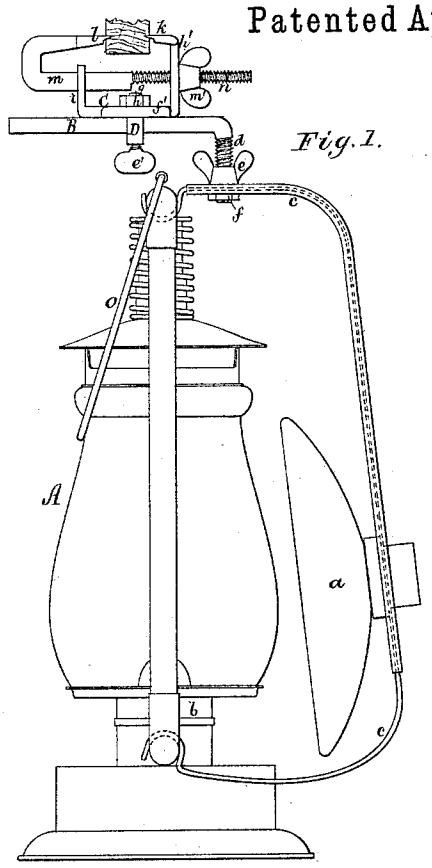


Fig. 2.

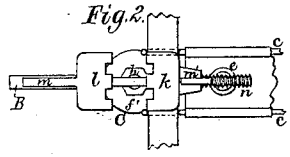


Fig. 3.

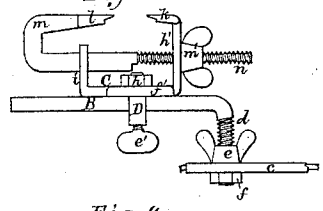
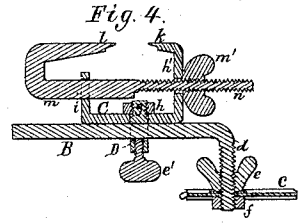


Fig. 4.



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UNITED STATES PATENT OFFICE.

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LANTERN ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 339,167, dated April 6, 1886.

Application filed January 25, 1886. Serial No. 189,654. (No model.)

To all whom it may concern:

Be it known that I, EZEKIEL H. HADLEY, of Bradford, in the county of Merrimack and State of New Hampshire, have invented a new and useful Improvement in Lantern Attachments; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a side view of a lantern provided with my invention or means of attaching such lantern to a sill of the body of a road-carriage. Fig. 2 is a top view; Fig. 3, a side elevation, and Fig. 4 a longitudinal and vertical section, of the attachment and the upper part of the lantern with which it is connected.

The invention is to enable a lantern to be fastened underneath a carriage or wagon body—that is, to one of the sills thereof, whether such sill be extended longitudinally or transversely of the body—the lantern, when so arranged, serving to illuminate the vehicle and a roadway on which it may be traveling to better advantage in several respects than would be the case were the lantern affixed to the side or to the front end of the body.

The nature of the invention is duly defined in the claim hereinafter presented.

In the drawings, A represents a lantern, provided with a concavo-convex reflector, *a*, arranged in rear of the lamp *b*, and fastened to a yoke, *c*, extending from the lantern. Projecting upward from the upper part of the yoke, or, when such yoke is not used, from the upper part of the lantern, is an arm, B, bent at a right angle, as represented, its vertical or shorter part being screw-threaded, as shown at *d*, and extended through the yoke, and held thereto by two nuts, *e* and *f*, one of which is below and the other (which is a thumb-nut) above the yoke. Such means of connecting the arm to the yoke allows of such arm being turned about in a circle to enable it to be adjusted as occasion may require.

A clamping-vise, C, slides on the horizontal part of the arm B lengthwise thereof, and is held to the arm by a swivel, D, provided with a thumb-screw, *e'*, for clamping it to the arm, such arm going loosely through the swivel. The body of the vise is pivoted to the swivel, the latter having its shank *g* screw-threaded and extended up through the base of the said body, and held thereto by a nut, *h*, screwed upon the shank. The said body consists of a flat base, *f'*, and two standards, *h'* and *i*, such standards extending upward from such base. The longer of said standards terminates in a vise-jaw, *k*, to co-operate with a movable jaw, *l*, projecting from a hooked slide, *m*, formed as represented, and extending loosely through both of the standards *h'* and *i*. The slide is screw-threaded, as shown at *n*, and has screwed upon it a thumb-nut, *m'*.

By means of the vise the lantern may be attached to the sill of a wagon-body, such sill going between the jaws of the vise.

It will be seen that the vise may be swiveled and properly adjusted on the arm, in order for the vise to be adapted to a sill, whether the latter may extend longitudinally or transversely or otherwise across a wagon-body; also that the vise and swivel may be detached from the arm, and the latter be turned around one hundred and eighty degrees of a circle, so as to project rearward of the lantern in a manner to enable the latter to be suspended against a wall or a post by inserting the arm in a hole therein.

The swinging bail of the lantern is shown at *o*.

I am aware that it is not new to detachably secure a lantern to the under side or part of a wagon-body by a string, wire, hook, or an ordinary harness-snap, or by screws; also that in the Patent No. 7,544 of reissues there is shown a pendent lantern-holder detachably connected to a wagon-body and also to a lantern. I therefore do not claim such. Nor do I claim the means as described and represented in the United States Patent No. 281,580 for attaching a lantern to the axle of a bicycle, such means being a jawed clamp. Nor do I claim a lantern hanger or supporter sustained as represented in either of the United States Patents Nos. 235,617 or 215,523, as neither of such patents shows a lantern attachment like mine—that is, one consisting of a bent arm having a clamping-screw and nuts, a swivel having a clamp-screw and nuts, and a vise com-

bined, constructed, arranged, and adapted as hereinbefore described.

I claim—

The lantern attachment substantially as described, consisting of the arm or yoke *c*, bent arm B, with its clamp-screw *d* and nut *e*, the slide or swivel D, applied to such arm B, and provided with a clamp-screw, *e'*, the screw *g*, and nut *h*, and the vise C, applied as explained to such swivel, all being arranged and to operate essentially as represented.

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