(No Model.)

F. CHVALA.

DEVICE FOR SUPPORTING LANTERNS.

No. 339,148. Patented Apr. 6, 1886.

Fig. 4

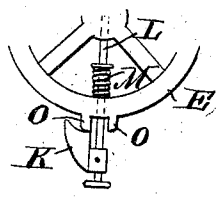


Fig. 5

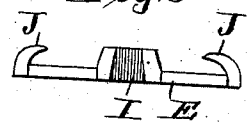


Fig. 3

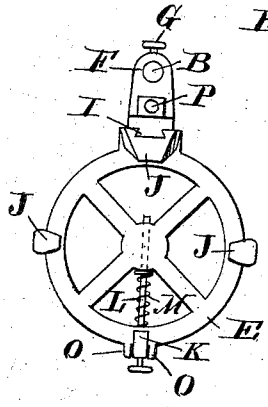


Fig. 1

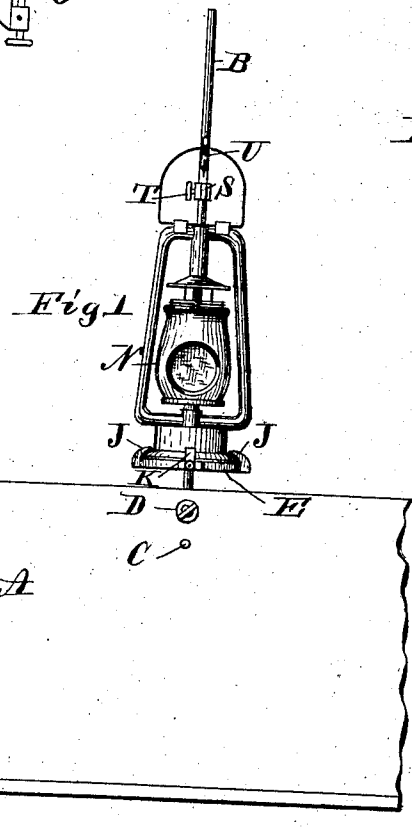
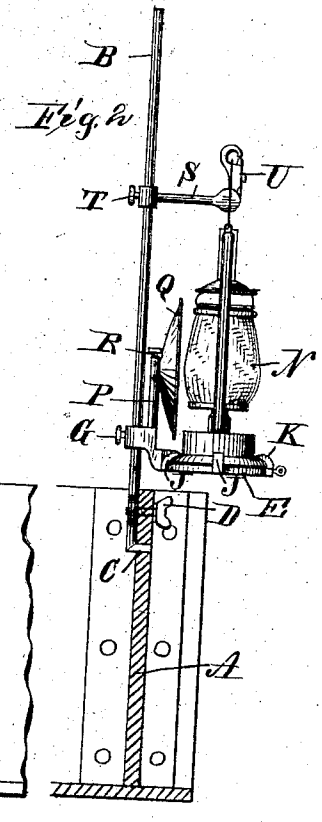


Fig. 2



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UNITED STATES PATENT OFFICE.

FRANK CHVALA, OF COOPERSTOWN, WISCONSIN.

DEVICE FOR SUPPORTING LANTERNS.

SPECIFICATION forming part of Letters Patent No. 339,148, dated April 6, 1886.

Application filed January 21, 1886. Serial No. 189,258. (No model.)

To all whom it may concern:

Be it known that I, FRANK CHVALA, of Cooperstown, in the county of Manitowoc and State of Wisconsin, have invented new and useful Improvements in Devices for Supporting Lanterns; and I do hereby declare the following to be a full, clear, and exact description of said invention, reference being had to the accompanying drawings, and to the letters or figures of reference marked thereon, which form a part of this specification.

My invention, to be hereinafter distinctly claimed, relates to an adjustable device for supporting a lantern on a wagon or other vehicle; and it is especially adapted to support at the front of a vehicle, when traveling at night, a lantern giving light from one side only, to light up the road ahead of the team.

In the accompanying drawings, Figure 1 is a front view of the front end-board of a wagon-box having my supporting device affixed thereto and a lantern therein, which lantern is provided with a chimney of my improved form. Fig. 2 is a side view of the same device shown in Fig. 1. Fig. 3 is a plan of the lantern-supporting bracket. Fig. 4 is a plan of a section of the front part of the circular portion of the bracket shown in Fig. 3. Fig. 5 is a view from the rear of the circular part of the bracket shown in Fig. 3.

The same letters refer to like parts in all the views.

In the drawings, A is the front end-board of a wagon-box of an ordinary lumber or farm wagon. B is a standard constructed of a round rod of iron bent at its lower end at right angles to the main rod, forming a short rigid arm, C, which arm enters an aperture provided therefor in the end-board A. The standard B is held rigidly to the end-board by a set-screw, D, which passes through the end-board from the outside and screws into an aperture in the standard provided with a corresponding screw-thread and adapted therefor. A bracket, E, Fig. 3, is provided with a vertical aperture, F, through which the standard B passes, and on which standard this bracket, supported at right angles thereto, moves freely up and down, and upon which standard the bracket may be located and affixed at any point by the set-screw G, turning through the arm of the bracket against the standard. The front or circular part of the bracket E is removable from the rear part or the arm of the bracket, being attached thereto and supported thereon by a dovetail joint, I, converging upwardly, at which point the two parts may be separated by merely lifting the circular part from the arm. The circular part of the bracket is provided with a rear and two side lugs, J J J, projecting upwardly inwardly from the bracket and rigid thereto, and also with a movable lug or clutch, K, at its front side, affixed to a rod, L, fitting and movable laterally in an aperture provided therefor in the bracket, which rod is also provided with a spiral spring, M, around it, bearing at its inner end against a shoulder on the rod and at its outer end against the rim of the bracket, whereby the lug K is held up to its work against the periphery of the bracket and to the bottom of the lantern. The circular part of the bracket E is adapted to receive thereon and support the lantern N, as shown in Figs. 1 and 2, and the lugs J and K receive within them and clutch and hold the bottom of the lantern firmly in place. The clutch K, when drawn back to allow the bottom of the lantern to pass in under the lugs J J, is turned sidewise, as shown in Fig. 4, to allow the bottom of the lantern to pass over it, and when turned up vertically and drawn in against the rim of the bracket it passes in between two jaws, O O, rigid to the bracket, which jaws O O steady the clutch K and help to hold it upright in position.

Projecting upwardly from the arm of the bracket E is a small post, P, having a tenon and shoulder at its top adapted to receive the eye of a ring affixed to the reflector Q, which reflector the post P is intended and adapted to support in the rear of the lantern when an ordinary lantern is used having a wholly transparent chimney, as shown in Fig. 2. A small set-screw, R, turning into the top of the post P against the eye of the reflector, will retain the reflector firmly in position when traveling over roads on which the wagon jolts considerably. The arm S is provided at one end with an aperture, through which the standard B passes, and on which the arm is supported at right angles thereto and moves freely up and down, and to which standard this arm may be secured at any point by the set-screw T, turning through the arm against the standard.

Affixed to the free outer end of the arm S is a spring-hook, U, adapted to receive the bail of a lantern, whereby, when the arm S is adjusted at the proper distance from the bracket E, the lantern standing therein is held more firmly in place.

The standard may be of any desired height, so that the device will be adapted to be used with either a low or high load, as occasion requires.

It will be seen that my device is especially adapted for use with ordinary farm-wagons; but it can be used with any kind of a vehicle, such change only being made in the means and way of attaching it to the vehicle as would readily occur to any mechanic.

The method of using my device will be fully understood from the foregoing description with a reference to the drawings.

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

1. The adjustable device for supporting a lantern on a vehicle, consisting of a standard, B, having means to affix it to a vehicle, a bracket adjustable up or down on the standard B, the bracket being provided with lugs J J and clutch K, and the arm S, adjustable up and down on the standard B, the arm being provided with the spring-hook U, substantially as described.

2. The combination, with the end-board of a wagon, of a standard, B, affixed removably to the end-board by a set-screw, D, a bracket, E, adjustable up and down on standard B, and provided with means for holding the bottom of a lantern, and an arm, S, adjustable up and down on standard B, and provided with a hook adapted to receive and hold the bail of a lantern, substantially as described.

3. The standard B, attached to a vehicle, in combination with the bracket E, said bracket being adjustable up and down on standard B, and made fast thereto by a set-screw, G, and having the lugs J J, spring-clutch K, post P, and reflector Q, substantially as described.

4. The standard B, removably attached to a vehicle, in combination with a bracket, E, provided with lugs J J, spring-clutch K, post P, reflector Q, and the arm S, provided with spring-hook U, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK CHVALA.

Witnesses:
RONNI MAZNA,
WM. BRUSS.