(No Model.)

C. M. BUMP.

BICYCLE HEADLIGHT LANTERN.

No. 575,327. Patented Jan. 19, 1897.

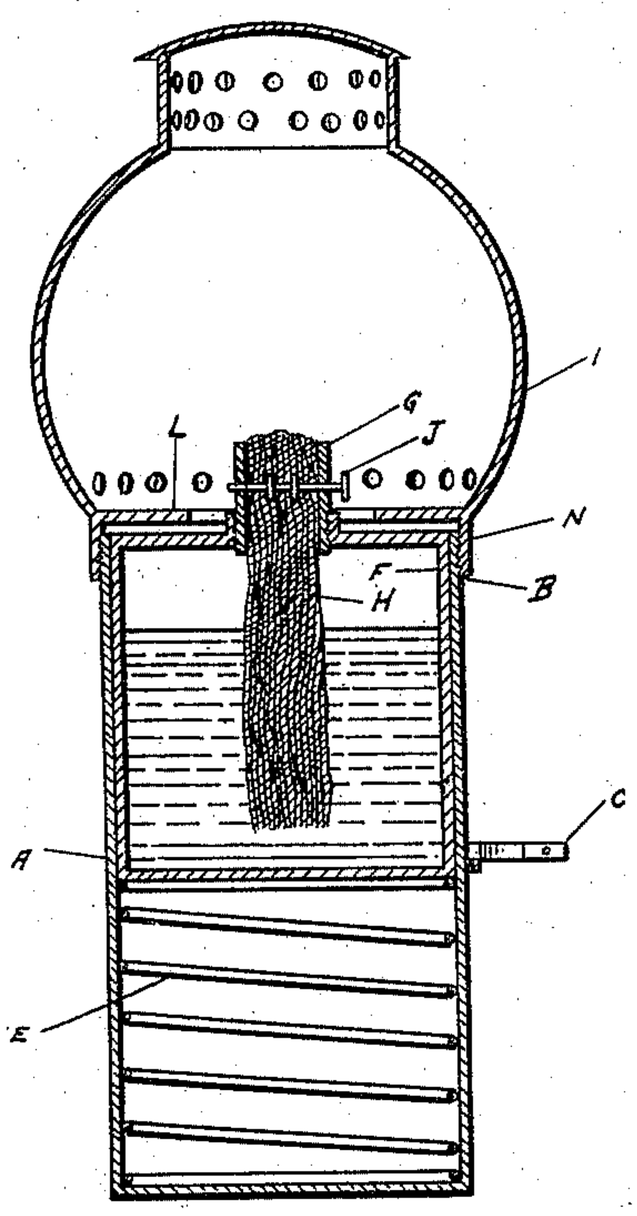

Fig 2

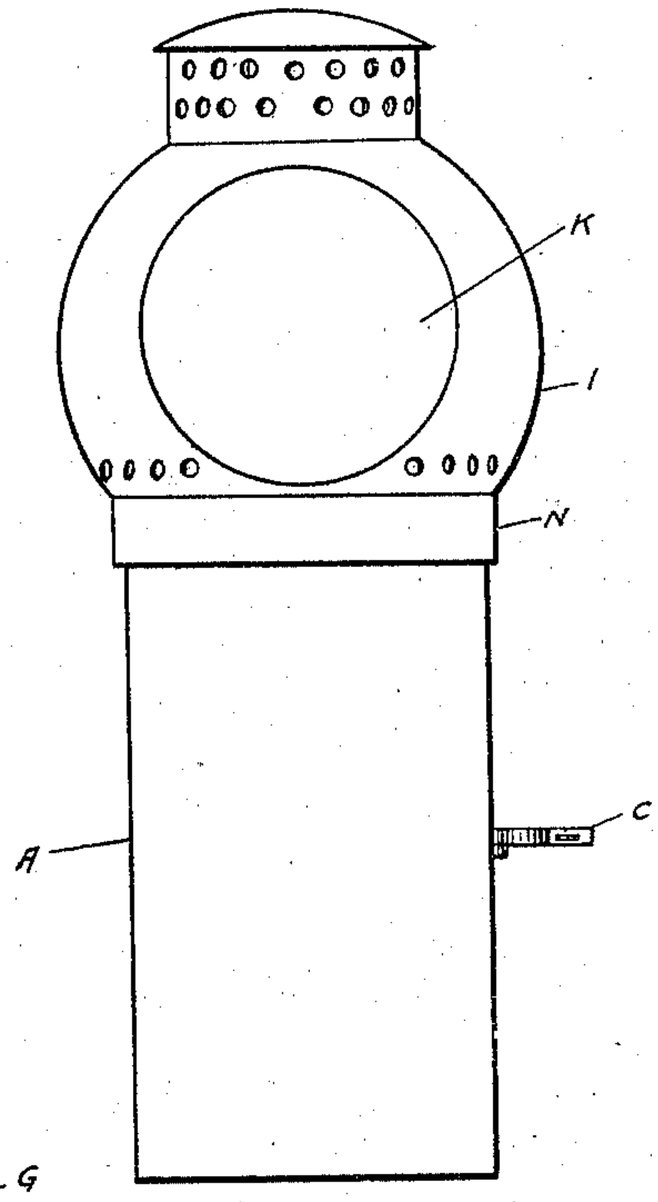

Fig 1

Fig 3

Fig 4

Fig 5

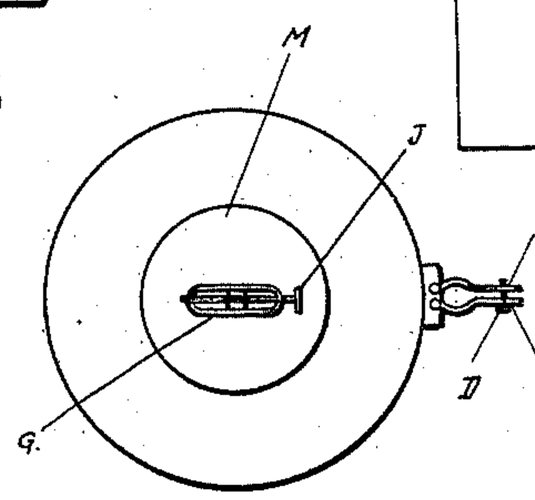

Fig 6

Witnesses:
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UNITED STATES PATENT OFFICE.

CHARLES M. BUMP, OF BAY CITY, MICHIGAN.

BICYCLE HEADLIGHT-LANTERN.

SPECIFICATION forming part of Letters Patent No. 575,327, dated January 19, 1897.

Application filed March 9, 1896. Serial No. 582,354. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. BUMP, a citizen of the United States, residing at Bay City, in the county of Bay and State of Michigan, have invented certain new and useful Improvements in Bicycle Headlight-Lanterns; and I 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.

This invention relates to bicycle-lamps provided with a fount or oil-receptacle supported by a helicoidal spring.

The said invention consists in the construction and combination of parts hereinafter set forth and claimed.

Figure 1 represents a perspective front elevation which embodies my invention. Fig. 2 is a vertical section of the same, showing the mechanism and arrangement of the parts therein. Fig. 3 is a heliciform spring. Fig. 4 represents a burner. Fig. 5 is an oil-receptacle, showing the burner thereon. Fig. 6 is a top plan view of Fig. 5.

A represents the supporting-casing for the lantern, which is made cylindrical in form, with its lower end inclosed and its upper end made open, and threads provided thereon at B.

C C are clamps which are secured at the proper height and by any suitable means of the supporting-casing A and are provided with thumb-screws D for the purpose of clamping them around a bicycle-frame and securing the lantern thereto.

E is the heliciform spring.

F is the oil-receptacle, which is provided with a burner G and a wick H secured thereon, which is actuated by a manipulating device J, and I is the globe.

The heliciform spring E is placed within the lower end of the support A and resting upon the inner side of the bottom of the same.

The oil-receptacle F is telescoped within the upper end of the said support A, with its bottom resting upon the said spring E.

The globe I is provided with the bull's-eye K and a partition L, which is provided with an opening M and a downwardly-extending flange N, which is provided with threads on its inner side, which is secured upon the casing A with the opening M concentric with the burner G, with its partition L at a suitable height to admit of a resilient action in the oil-receptacle F between the said heliciform spring E and the said partition L, whereby a bicycle-lantern is produced with the oil-receptacle mounted upon the heliciform spring, which provides a means that avoids the shock or jar from a bicycle extinguishing the light when bounding over rough obstacles, and at the same time producing a bicycle-lantern, with the oil-receptacle mounted upon heliciform springs, that may be attached to any part of the bicycle-frame, which will be light and durable and at the same time simple and cheap in its design and manufacture.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

An oil-receptacle provided with a wick and burner in combination with a cylindrical casing, closed at the bottom, within which the said receptacle is free to move up and down, a spring in the said casing under the said receptacle and supporting the latter, and a globe having a flanged bottom adapted to fit on the upper end of the said casing and limit the upward movement of the said oil-receptacle substantially as set forth.

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

CHARLES M. BUMP.

Witnesses:

HERMAN LOEFFLER,

ADA GREGG.