

No. 624,210.

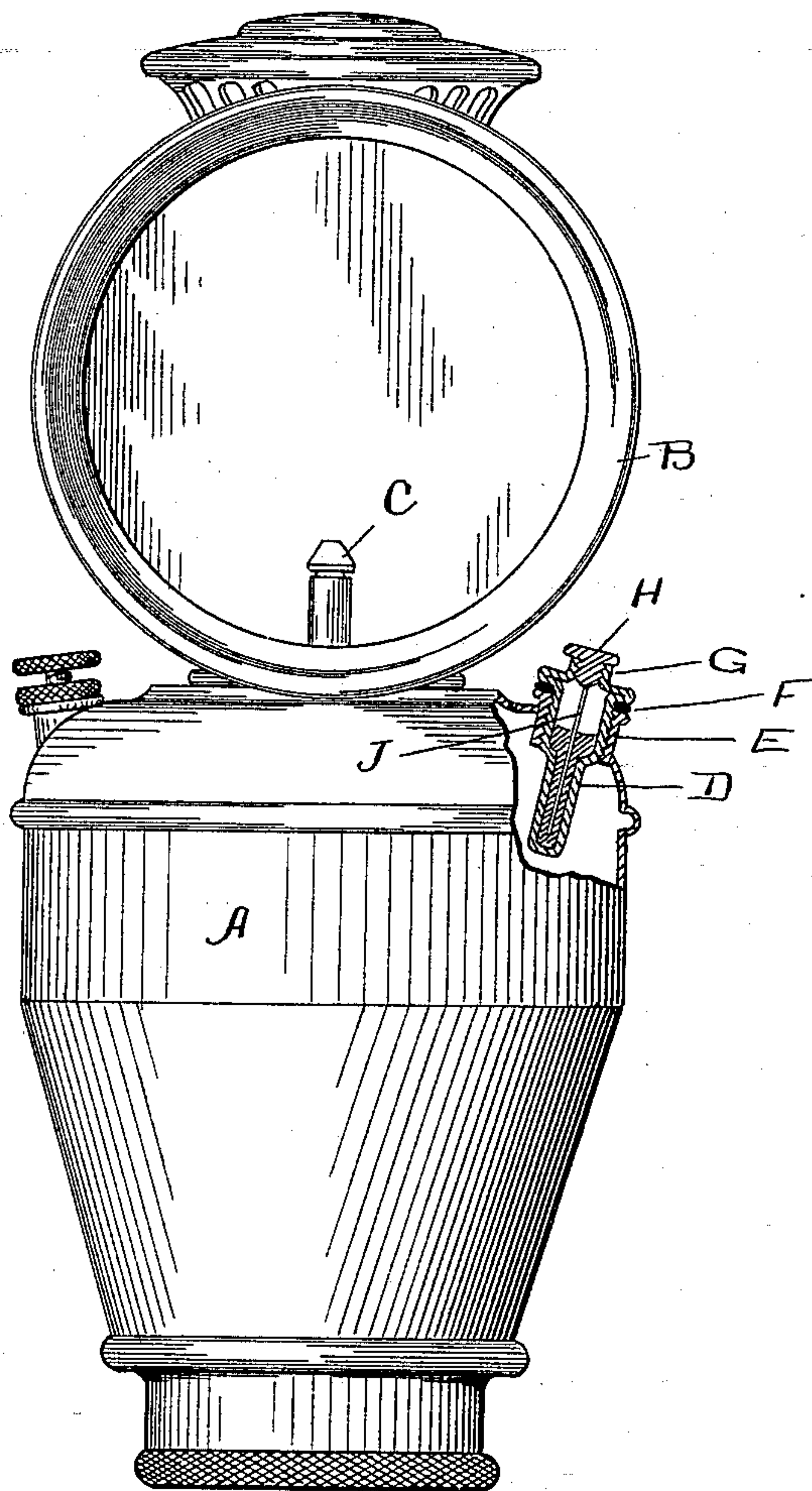
Patented May 2, 1899.

F. W. HEDGELAND.

BURNER CLEANER ATTACHMENT FOR GAS LAMPS.

(Application filed Jan. 19, 1899.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

FREDERICK W. HEDGELAND, OF CHICAGO, ILLINOIS.

BURNER-CLEANER ATTACHMENT FOR GAS-LAMPS.

SPECIFICATION forming part of Letters Patent No. 624,210, dated May 2, 1899.

Application filed January 19, 1899. Serial No. 702,661. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK W. HEDGELAND, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Burner-Cleaner Attachments for Gas-Lamps, of which the following is a specification.

Acetylene-burners require that the gas-passage through them or through their tips be cleaned occasionally of solid matter therein, and for this purpose the lamps have in some cases been provided with needles or wires adapted to be pushed through the passages, the needles or wires being located where they are exposed to the corroding action of the gas and of the moisture contained in the gas. This construction is objectionable because the corrosion enlarges the diameter of the needle, so that instead of merely cleaning the passage it is apt to enlarge it, and, moreover, the corrosion or rust may adhere to the walls of the passage.

My object in this invention has been to avoid this corroding action on the wire and at the same time to attach the wire to the lamp, so it may always be present and be ready for use whether the user be at home at the time of use or miles away therefrom. For this purpose I provide upon the lamp a receptacle for the wire adapted to prevent contact with the wire of either moisture or the gas burned in the lamp.

I have made the invention more expressly for use upon acetylene bicycle-lamps; but it can of course be used upon any gas-lamp.

The nature of the invention is fully set forth in the description given below and is also illustrated in the accompanying drawing, which shows an elevation of a bicycle-lamp, partly broken away, to which my invention is applied.

In said drawing, A represents the body of the lamp, B the reflector or hood, and C the burner.

D is a hollow plug or cap the interior of which forms a chamber or receptacle entirely closed, except at the top, and preferably threaded in a bushing E, secured to or formed in the body of the lamp. A packing F may be inserted between the top of this socket and the overhanging parts of the chamber D. At its top a central opening is formed in the chamber, surrounded by an upstanding neck G, and in this neck is secured the head H, having the cleaning-wire J attached thereto and projecting down into the chamber, as plainly seen. The interior of the chamber is preferably filled either with grease, oil, plumbago, sand, or other material adapted to prevent the formation of rust upon the wire.

When the user desires to clean out the burner-passage, he has only to unscrew the head H and remove any adhering grease or other material from the wire and, after cleaning the burner-passage, to reinsert the wire in said receptacle. The implement is always at hand and ready for immediate use, and should the user forget to return it to its receptacle no harm will be caused in the operation of the lamp, inasmuch as the receptacle effects a proper closure of the opening in which it is inserted whether the needle be present or absent.

I claim—

In a lamp, the combination of cap D having a water and gas excluding receptacle formed on its under side, and a tip-cleaning implement threaded in the cap and projecting into said receptacle, substantially as specified.

FREDERICK W. HEDGELAND.

Witnesses:

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