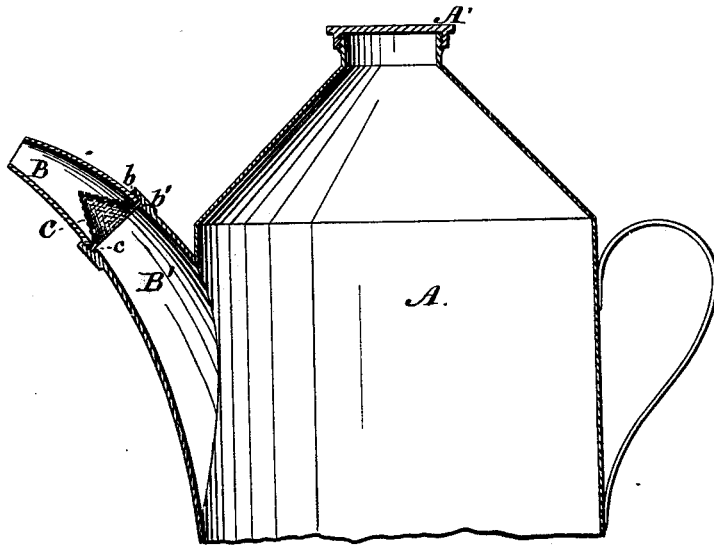


S. S. NEWTON.  
OILER-NOZZLE.

No. 188,658.

Patented March 20, 1877.



Attest -  
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H. H. Bliss

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att.  
for Stephen S. Newton

# UNITED STATES PATENT OFFICE.

STEPHEN S. NEWTON, OF BINGHAMTON, NEW YORK.

## IMPROVEMENT IN OILER-NOZZLES.

Specification forming part of Letters Patent No. **188,658**, dated March 20, 1877; application filed December 19, 1876.

*To all whom it may concern :*

Be it known that I, STEPHEN S. NEWTON, of Binghamton, in the county of Broome and State of New York, have invented certain new and useful Improvements in Oiler- Nozzles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

There is a class of lamps being put upon the market having projecting filling- tubes of small size, or provided with small openings for the introduction of oil, and another class of lamps have small openings in the collars, or in supplemental collars, which are interposed between the permanent collar of the lamp and the burner.

Owing to the close proximity of these oil- openings to the flame of the lamp, it is very desirable that a gauze protector should be employed in the nozzle of the can which is to be used in filling them, (the lamps;) and the object of this invention is to produce a filler or can which shall meet the requirements of the case, as will be hereinafter fully explained.

The drawing represents a vertical section of a can embodying my invention.

A is the body of the can, made of any suitable material, and of the shape shown, or otherwise, as may be preferred. It is provided with an opening for the introduction of oil, said opening being closed, preferably, by means of a screw-cap, A'. B B' is the delivery tube or nozzle. The part B' is attached to the body of the can, and is provided at its upper end with an internal screw-thread and an annular shoulder or seat, as indicated at b'. The part B has an external screw-thread at its lower end, as at b.

C is a strainer, made of wire-gauze or other similar suitable material, and is, by preference, made conical in form. This strainer has at its lower part or base a flange of such external diameter that it fits closely within the part B' of

the nozzle, and rests upon the shoulder b', so that when the part B is screwed into the part B', as shown, the strainer is held firmly in position, its flange being confined or gripped between the lower end of part B and the shoulder b'.

As these strainers are frail and liable to be injured, as well as to become clogged up to some extent, it is desirable that they should be located some distance within the tube or nozzle, so that they may be easily removed for cleaning or replacing.

I am aware that strainers have been used in combination with the necks and the nozzles of oil cans or fillers, and that they have been secured in position by screw- threaded parts; but my construction possesses some advantages, especially for use in connection with the above-described lamps, over any other of which I have knowledge.

Thus, while the strainer is, by reason of its location, protected in a great measure from accidental injury, yet it can be readily removed for cleaning or other purposes. A further advantage is, that locating the screw- threaded connection at this point enables me to use a small or even flexible tip to the nozzle.

Again, a strainer arranged entirely within the nozzle can be made of the size (relative to the extreme tip) and form shown, whereby it will permit as much oil to flow through it as can be delivered from the tip, thus insuring a full stream and preventing the oil from running down the side of the nozzle.

What I claim is—

The herein-described oil-can nozzle, consisting of the parts B B', united by a screw-thread, in combination with the strainer C, secured between the base of the part B and the shoulder b' of the part B', substantially as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

STEPHEN S. NEWTON.

Witnesses:

JEROME DE WITT,  
H. H. DOUBLEDAY.