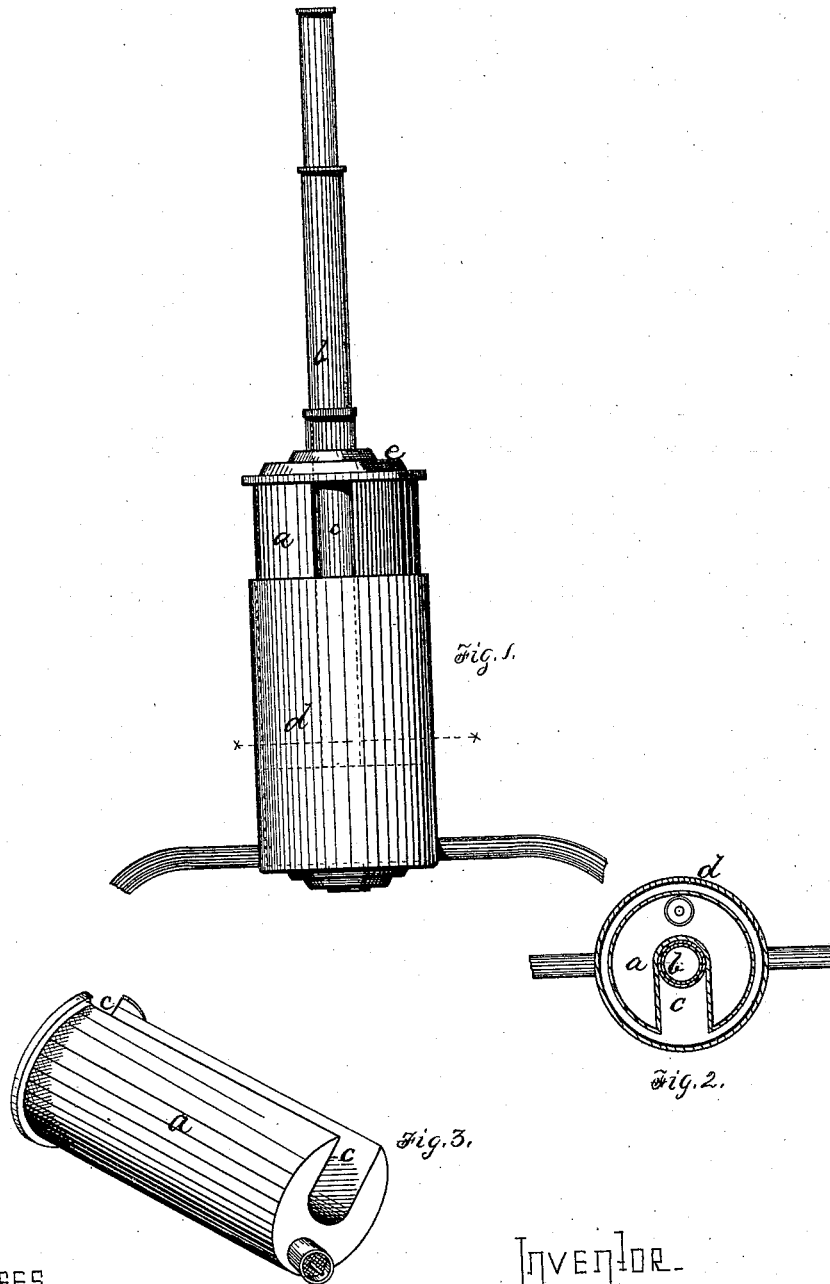


J. W. CARTER.
FONTS FOR OIL-LAMPS.

No. 194,953.

Patented Sept. 11, 1877.



WITNESSES.
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UNITED STATES PATENT OFFICE.

JOHN W. CARTER, OF BROOKLYN, NEW YORK, ASSIGNOR TO CLEVELAND NON-EXPLOSIVE LAMP COMPANY, OF CLEVELAND, OHIO.

IMPROVEMENT IN FONTS FOR OIL-LAMPS.

Specification forming part of Letters Patent No. 194,953, dated September 11, 1877; application filed July 10, 1877.

To all whom it may concern:

Be it known that I, JOHN WENDELL CARTER, of the city of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Fonts for Oil-Lamps; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is an elevation of a library or student's lamp embodying my invention. Fig. 2 is a horizontal section through the said lamp on the line *xx* of Fig. 1. Fig. 3 is a detached view of the oil-reservoir.

My invention is designed to enable the font or oil-reservoir of lamps to be placed centrally to the rod or stem on which it is supported, or to the rod, chain, or other device by which the lamp is suspended, my improvement being equally applicable to the font of an extension-lamp, chandelier or suspended lamp, or to a lamp supported on a stationary stand.

In order to accomplish this object, the font or oil-holder *a*, which is designed to hold the oil, is made cylindrical, or of other suitable shape, adapted to fit in a case, *d*, as is usual with the style of lamps known as "library" or "student's" lamps, excepting that there is a slot, *c*, cut through the font from any point in the circumference and extending to the center, said slot being of sufficient width for the passage of the stem or rod *b*, and the font being closed at the slot by a U-shaped sheet of metal, so as to make it oil-tight.

The case or receptacle *d* for the font is made open at top, and of shape corresponding with the exterior shape of the font *a*, so that the font may be placed therein, in the usual manner; but, instead of having a slot extending to the circumference, the case or receptacle *d* has a tubular opening extending centrally through it, which is formed by a tube securely fastened to the bottom of the case, to allow of

the passage of the rod or stem of the lamp-stand, or of the rod or chain or other device by which the lamp may be suspended.

The tube forming the passage for the rod or stem of the lamp, or rod or chain of suspension, may be cylindrical or of other desired shape in cross-section.

If preferred, the receptacle or case for the oil-reservoir, instead of having a tubular opening through it for the passage of the rod or stem supporting the lamp, may have the rod or stem itself pass through the case, and be rigidly attached to it, although the construction before described, with the tubular opening, is preferable, to enable the lamp to be raised and lowered on its stand.

The case may be finished by a cap, *e*, adapted to slide upon the central tube or rod, so that it can be raised to introduce the reservoir.

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

1. A lamp-font for holding oil or other burning-fluid having a slot or opening in its side, extending from its circumference to or toward the center of the font, substantially as and for the purpose hereinbefore described.

2. In an oil-lamp having a removable oil-font, the combination of a font having a slot or opening in its side with a case or receptacle adapted to receive the font, and having a central aperture extending through it for the passage of the rod, stem, chain, or other support of the lamp, substantially as described.

3. The arrangement of a library or student's lamp with a detachable font, having the stem, rod, chain, or other support of the lamp passing through the font or oil-receptacle and case, substantially as and for the purpose hereinbefore described.

JOHN WENDELL CARTER.

Witnesses:

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