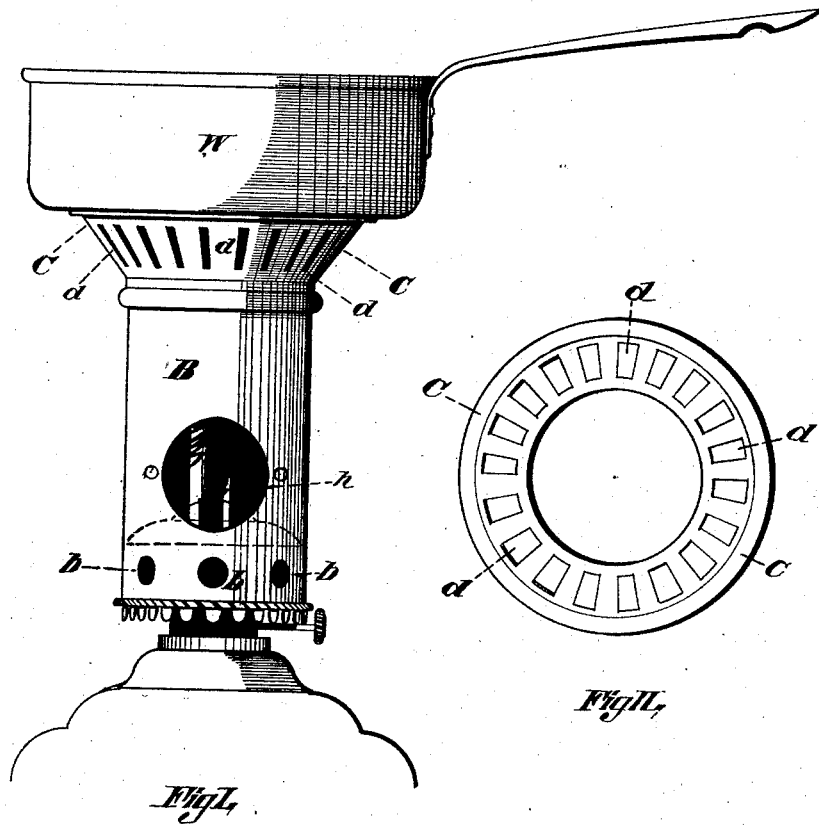


J. B. SEARL.

ATTACHMENT FOR KEROSENE LAMPS.

No. 184,303.

Patented Nov. 14, 1876.



Witnesses,
Philip Johnson
Stockwell Bettes

Inventor,
John B. Searl
by T. E. Hyde atty.

UNITED STATES PATENT OFFICE.

JOHN B. SEARL, OF NORTHAMPTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF HIS RIGHT TO JAMES S. PEARCE, OF SAME PLACE.

IMPROVEMENT IN ATTACHMENTS FOR KEROSENE-LAMPS.

Specification forming part of Letters Patent No. **184,303**, dated November 14, 1876; application filed September 23, 1876.

To all whom it may concern:

Be it known that I, JOHN B. SEARL, of Northampton, State of Massachusetts, have invented an Improved Attachment for Kerosene-Lamps, of which the following is a specification:

The object of my invention is to enable the flame of the ordinary lamp, more particularly the kerosene-lamp, to be utilized for cooking or similar heating purposes; and my invention consists of a metallic chimney, to take the place of the ordinary glass one, and so formed as to afford a broad firm bearing upon its top for a sauce-pan or other utensil, while providing for the escape of the products of combustion, and insuring, by proper ports, a supply of the outside air to the flame.

In the drawings, Figure I shows a side view of my device attached to a lamp and seating a utensil for heating water, Fig. II showing a plan view of the same.

B is a metallic cylinder of the diameter of the glass chimney that would fit snugly to the chimney-holder. It is provided with several ports, *b*, for the purpose of admitting air into the cylinder in sufficient quantity below the flame of the lamp to cool the cylinder and prevent it from conducting heat to the lamp below.

The cylinder B is crowned by a conical flange, C, that affords a wide seat for the utensil W to rest upon, while at the same

time forming an enlarged heating and combustion chamber immediately beneath the vessel resting upon the flange.

The conical sides also afford an enlarged surface for the perforations *d d d*, that are required to be numerous, to permit the perfect combustion of the smoke.

A mica window, *h*, exposes the flame to view, and enables its size to be regulated.

By this device the ordinary kerosene-lamp may be used to quickly heat water or milk, or to perform ordinary cooking.

The ports *b* and enlarged chamber formed by the perforated conical flange C enable a metallic chimney to be used with perfect safety, and with the best results with the smoky flame of kerosene.

I do not wish to confine myself to a chimney having a perfectly cylindrical cross-section, as it may be a tube having any form in cross-section without being a departure from the principle of my invention.

Now, having described my invention, what I claim is—

A chimney for lamps, consisting of the metallic tube B, having the ports *b*, and provided with the conical flange C, having the perforations *d*, as shown and described.

JOHN B. SEARL.

Witnesses:

R. F. HYDE,
STURGIS PEARCE.