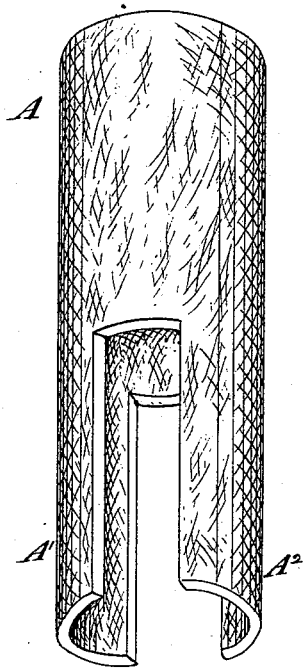
(No Model.)

J. WAYLAND.

WICK FOR LAMP BURNERS.

No. 345,091. Patented July 6, 1886.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES WAYLAND, OF NEWARK, NEW JERSEY, ASSIGNOR TO THE ANSONIA BRASS AND COPPER COMPANY AND WALCOTT A. HULL, BOTH OF NEW YORK, N. Y.

WICK FOR LAMP-BURNERS.

SPECIFICATION forming part of Letters Patent No. 345,091, dated July 6, 1886.

Application filed January 28, 1886. Serial No. 190,057. (No model.)

To all whom it may concern:

Be it known that I, JAMES WAYLAND, of Newark, in the county of Essex and State of New Jersey, have invented a certain new and useful Improvement in Wicks for Lamp-Burners, of which the following is a specification.

My improvement relates to wicks for lamp-burners of the class which are known as "central-draft" lamp-burners, and comprise annular wick tubes composed of cylindric shells, and have provision for the passage of air not only to the exterior of the outer shells but also to the spaces encircled by the inner shells. Flat wicks have often been used for such burners, when contrivances have been employed for bending the flat wicks into circular form before their arrival at the tips of the wick-tubes. Flat wicks have also been bent into circular form and united by sewing at the meeting edges, and have in such cases had isolated portions depending from the circular portions, the isolation of these portions being for the purpose of permitting the passage of air through the wick to the space encircled by the inner shell of the wick-tube. Wicks have also been woven in circular form and have had threads corresponding to the warp-threads depending from them for the purpose of providing for the passage of air to the space encircled by the inner shell of the wick-tube.

The object of my improvement is to provide a wick which shall afford opportunity for the passage of air to the space encircled by the inner shell of the wick-tube and act more advantageous than the wicks employed for the same purpose and above described in so far as the feeding of oil is concerned.

My improvement consists in the new article of manufacture of a wick woven in one continuous piece and having a circular or cylindric upper portion and two isolated portions depending therefrom.

The accompanying drawing is a perspective view of a wick made according to my improvement.

A designates the upper circular or cylindric portion of the wick, and A' A^2 designate isolated portions woven integral therewith, extending therefrom, and having their longitudinal edges finished or made with selvages. The isolated portions A' A^2 are capable of straddling the conduits through which air passes in a certain class of lamp-burners from the outside of the wick-tube to the space encircled by the inner space of the wick-tube.

My wick is of uniform texture throughout its extent. It is not liable to ravel. It is easily placed in a wick-tube and can be adjusted with facility after insertion. Oil will be effectively fed up through it by capillary action.

What I claim as my invention, and desire to secure by Letters Patent, is—

As a new article of manufacture, a lamp-burner wick woven in one integral piece of the same texture and character throughout its extent, and having a circular or cylindrical upper portion, and two isolated portions which extend therefrom and have their longitudinal edges finished or made with selvages, substantially as specified.

JAMES WAYLAND.

Witnesses:
ARTHUR C. WEBB,
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