G. BECK.
Lamp-Wick.

No. 214,085. Patented April 8, 1879.

Fig. 1

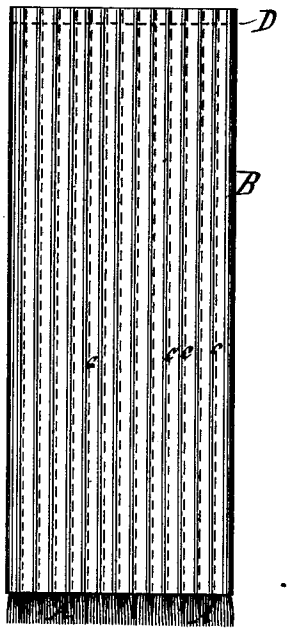
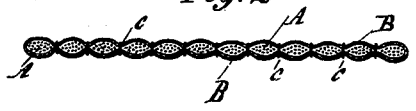


Fig. 2



Witnesses:

E. Volkmann

A. Schuetz

Inventor:

Gebhard Beck

by Ernst Bilhuber.

his Attorney.

UNITED STATES PATENT OFFICE.

GEBHARD BECK, OF HANAU, GERMANY.

IMPROVEMENT IN LAMP-WICKS.

Specification forming part of Letters Patent No. **214,085**, dated April 8, 1879; application filed February 17, 1879; patented in Germany, November 12, 1878.

To all whom it may concern:

Be it known that I, GEBHARD BECK, of Hanau, Germany, have invented a new and useful Improvement in Lamp-Wicks, of which the following is a specification.

The object of my invention is to produce an incombustible permanent lamp-wick.

This invention consists in forming the lamp-wicks of fine-spun glass, longitudinally arranged in parallel threads, and inclosed in a textile fabric, with stitching in longitudinal direction.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 represents a face view, and Fig. 2 a cross-section, of a wick embodying my invention.

A flat layer of parallel threads of fine-spun glass, of the desired length of the wick, is placed between some textile fabric, B B, by preference cotton goods, and the whole then sewed together by longitudinal stitching *c c*, at short distances. For sewing I use, by preference, chain-stitch. A wick is thus formed with a series of channels or tubes, each of them inclosing a number of fine glass threads, A A.

This wick may be used in lamps like ordinary cotton or other wicks, either flat or round. The upper end of the wick is cut off straight and at right angles to the length, and may be provided with one or more cross-seams, D, to hold the threads more firmly in the proper position. After the wick has been lighted at the upper end, the cotton will soon burn off for a short distance downward, exposing the threads of fine-spun glass, which, by their capillarity, together with the lower immersed part of the wick, give a sufficient supply of oil and a good light.

The glass threads being incombustible, the wick only needs occasionally a little rubbing or brushing to keep it in the proper condition.

What I claim is—

A lamp-wick consisting of one or more layers of parallel threads of fine-spun glass inclosed in a textile material, the whole being sewed together by a series of parallel longitudinal stitches, substantially as set forth.

GEBHARD BECK.

Witnesses:

LUDWIG MASCHMANN,

LUDWIG GRÜNEWALT.