

E. WAITE.
Lamp-Wickings

No. 157,949.

Patented Dec. 22, 1874.

Fig. 1.

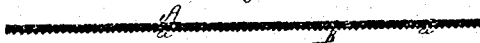
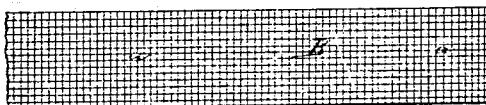


Fig. 2.



Witnesses.

S. W. Piper.

L. N. Hollen.

Enoch Waite.

by his attorney

R. H. Eady

UNITED STATES PATENT OFFICE.

ENOCH WAITE, OF FRANKLIN, MASSACHUSETTS.

IMPROVEMENT IN LAMP-WICKINGS.

Specification forming part of Letters Patent No. 157,949, dated December 22, 1874; application filed November 25, 1874.

To all whom it may concern:

Be it known that I, ENOCH WAITE, of Franklin, of the county of Norfolk and State of Massachusetts, have invented a new and useful Improvement in the Manufacture of Lamp-Wicking; and do hereby declare the same to be fully described in the accompanying specification, and represented in the accompanying drawings, of which—

Figure 1 is an edge view, and Fig. 2 a side elevation, of one of my improved lamp-wicks.

My invention is an improved manufacture or lamp-wick fabric, composed of a stratum of animal or wool pulp, and a stratum of vegetable pulp or paper arranged in contact, and connected side by side, and having the latter stratum dentated, all being substantially as hereinafter set forth.

In the drawings, A denotes the layer or stratum of wool-pulp, and B that of vegetable pulp or paper. The latter I usually form upon a woven-wire screen or cylinder, in order that the surface of the layer of pulp may receive the impression of the wires of the screen, and thus become dentated, as shown at *a* in the drawings. Instead of this the pulp-layer may be made with a smooth surface, and afterward be embossed or dentated.

In manufacturing the wicking-fabric, which, after being made, is to be cut up into strips sufficient for wicks for lamps, I usually manufacture, by a paper-engine, a pulp of wool or woollen rags; and by such an engine I also

make an ordinary paper-pulp of one or more vegetable materials, such as flax or cotton, or of linen or cotton rags or straw, and these two pulps I form, by a paper-machine, into sheets, and lay and fix one upon the other when in a wet state, forming in this way the fabric; I sometimes rub the wool-pulp or apply friction to it, so as to felt its fibers together, more or less. The vegetable or paper-pulp stratum I usually crease or indent or dentate, in order that the teeth of the wick-elevator of a lamp may gain a better hold of it than would be the case were it without such dentations or creases.

The vegetable or paper stratum, when finished and dry, renders the wick stiff, while the wool stratum, under like circumstances, causes the wick to be elastic, so as to easily give and fit to a wick-tube. Both stratums will readily absorb the oil or fluid to be burned, and will also cause such to burn with little or no incrustation of the wick.

I claim as an improved manufacture—

A lamp-wick fabric, substantially as specified, composed of a stratum of animal or wool pulp, as described, and a stratum of vegetable pulp or paper, arranged and fixed together, and having the latter stratum dentated, all as and for the purpose as explained.

ENOCH WAITE.

Witnesses:

R. H. EDDY,
J. R. SNOW.