

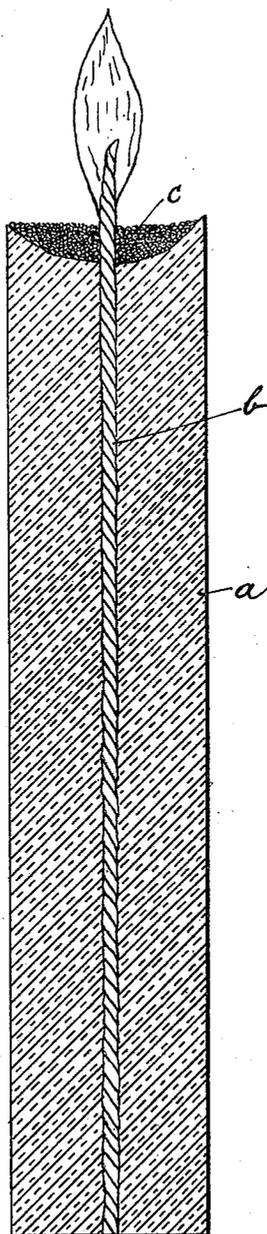
No. 664,246.

Patented Dec. 18, 1900.

W. R. ELLIS.  
CANDLE.

(Application filed Feb. 19, 1900.)

(No Model.)



WITNESSES:

*Charles H. Spence*  
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INVENTOR.

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# UNITED STATES PATENT OFFICE.

WILSON R. ELLIS, OF LIVERMORE, CALIFORNIA.

## CANDLE.

SPECIFICATION forming part of Letters Patent No. 664,246, dated December 18, 1900.

Application filed February 19, 1900. Serial No. 5,683. (No model.)

*To all whom it may concern:*

Be it known that I, WILSON R. ELLIS, a citizen of the United States, residing at Livermore, in the county of Alameda and State of California, have invented certain new and useful Improvements in Candles, of which the following is a specification.

My invention relates to improvements in tallow or wax candles, the object of my invention being to prevent dripping and waste and to insure more perfect combustion and greater illuminating power.

In the accompanying drawing the figure is a vertical section of a candle equipped with my improvement.

Referring to the drawing, *a* represents the body of the candle, and *b* the wick thereof. The top of the wick is surrounded by a layer *c* of sand, which forms a somewhat porous protective covering for the top of the candle. Any material similar to sand may be used, provided it is heat-conducting, insoluble, and non-inflammable and has sufficient gravity not to float in the melted oil.

The advantages of this construction are

that the sand protects the wax or tallow from being too quickly melted by a downdraft from the flame, and as the wax melts the sand descends and the particles of sand assume at all times a uniform position around the wick. Moreover, the invention may be readily applied to the present methods of manufacture, as the sand may be mixed with the wax at the upper end of the candle, so that the resulting candle does not differ greatly in appearance from an ordinary candle.

I claim—

A candle provided with a granular, insoluble, and non-inflammable substance, surrounding the wick and resting upon the upper surface of the wax or grease, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two subscribing witnesses.

WILSON R. ELLIS.

Witnesses:

GEORGE O. G. COALE,  
E. A. GUILD.