

# United States Patent Office.

CHARLES HAVARD, OF NEW YORK, N. Y.

Letters Patent No. 114,438, dated May 2, 1871.

## IMPROVEMENT IN THE MANUFACTURE OF CANDLES.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern :*

Be it known that I, CHARLES HAVARD, of the city, county, and State of New York, have invented a new and useful Improvement in Candles.

My invention consists in providing a candle with openings running parallel with and outside of the wick, thereby preventing the candle from overrunning.

These longitudinal openings have the property of receiving any melted matter not consumed by the flame, thereby preventing such melted matter from overrunning on the outside of the candle.

To enable others to make and use my invention, I proceed to describe the manner of making or manufacturing a candle such as constitutes my invention.

I provide the inside of a candle-mold with one or more rods or tubes, which are fastened to the tip or head of the candle-mold, and running through the

whole length of the same, the said rods or tubes being made of a tapering shape, the largest ends of which are fastened to the tip or head of the mold, this being required to withdraw the candle from the rods or tubes when taken out of the mold.

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

A candle with one or more longitudinal openings running parallel with the wick through the whole length of the candle, to receive any melted matter not consumed by the flame, thereby preventing said melted matter from overrunning on the outside of the candle.

C. HAVARD.

Witnesses:

HORACE ANDREWS,  
PATRICK SWEENEY.