

S. R. WEEDEN.  
WICK FOR CANDLES, &c.

No. 31,045.

Patented Jan. 1, 1861.

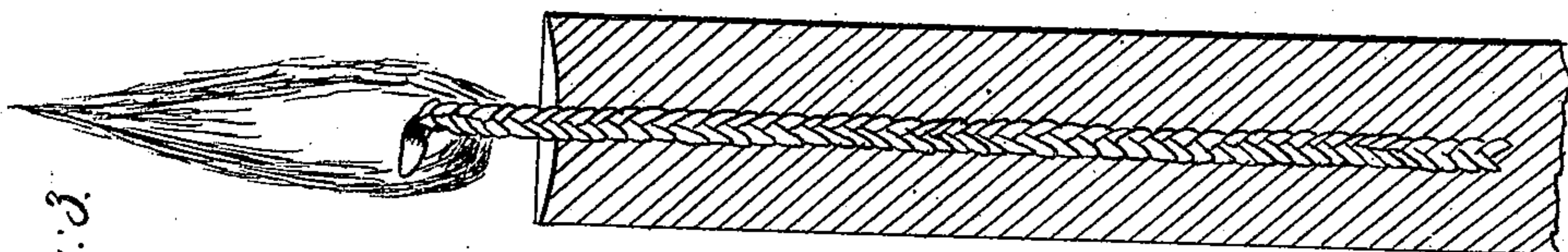


Fig. 3.

Fig. 2.

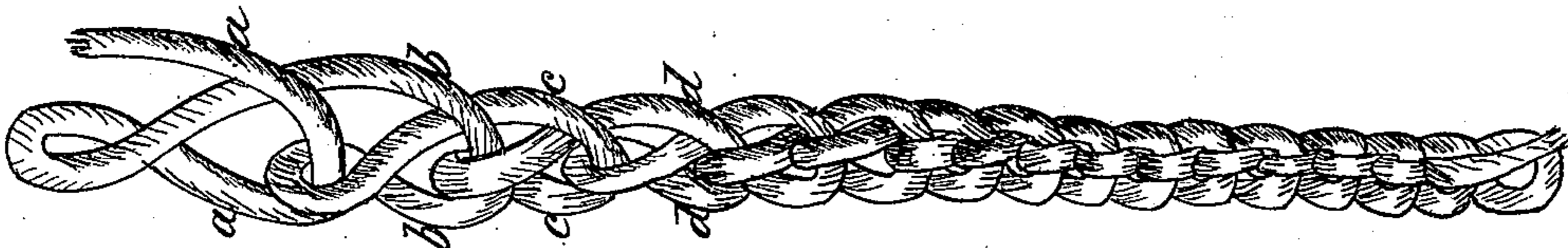
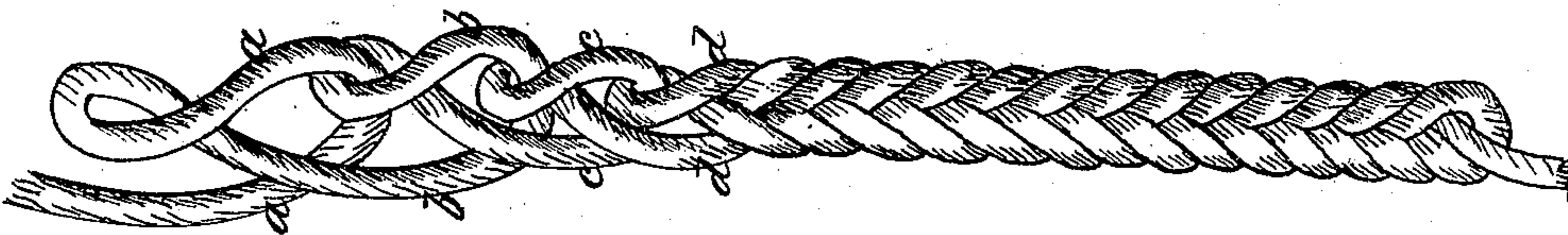


Fig. 1.



Witnesses;  
J. W. Combs  
R. S. Spencer

Inventor;  
S. R. Weedon  
by M. W. H. O.  
Atty

# UNITED STATES PATENT OFFICE.

STEPHEN R. WEEDEN, OF PROVIDENCE, RHODE ISLAND.

## LAMP AND CANDLE WICK.

Specification of Letters Patent No. 31,045, dated January 1, 1861.

*To all whom it may concern:*

Be it known that I, S. R. WEEDEN, of the city and county of Providence and State of Rhode Island, have invented a new and  
5 Improved Wick for Candles and Lamps; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this  
10 specification, in which—

Figures 1 and 2 are opposite side views of a piece of my improved wick. Fig. 3 exhibits a central section of a candle having my improved wick.

15 Similar letters of reference indicate corresponding parts in the several figures.

My invention consists in a wick composed of a single strand enchained in a series of loops each loop passing through a single  
20 loop and receiving a single loop, like the thread in tambour work as shown in Figs. 1. and 2, which represent a portion of the wick with the loops *a, b, c, d*, loose. The wick thus formed possesses in an eminent  
25 degree the necessary capillarity that is to say a capacity for absorbing the melted tallow or other material of which the body of a candle is composed and conducting it to the flame, besides which it turns out of the  
30 flame so as to be consumed without requiring to be snuffed.

This wick may be made either by hand by forming the loops in regular succession and drawing each one through its predecessor,  
35 by the fingers either with or without the

aid of a hooked needle such as is used in what is known as crochet work, or it may be formed by a machine with a hooked needle, or by a machine with an eye pointed needle and a looper operating in combination  
40 in a manner somewhat similar to the eye pointed needle and looper of a sewing machine. I propose however always to make it by a machine on account of the greater speed with which it can be made as by using a  
45 machine with several needles several wicks can be made at the same time.

I am aware that a plait or braid of precisely similar structure to my wick has been made for a variety of purposes but believe  
50 that such plait or braid has never been made of a loose yarn suitable for use as a wick and therefore consider my wick to be a new article of manufacture. I am also aware that a wick patented by J. Y. Leslie is made  
55 by enchaining a single thread in a series of double loops. And in view of the above facts I do not claim to have invented a new mode of braiding or to be the first inventor of an enchained single thread wick. But  
60

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

The wick composed of a single strand enchained in a series of single loops as herein described.

STEPHEN R. WEEDEN.

Witnesses:

HENRY MARTIN,

ALBERT M. HEWITT.