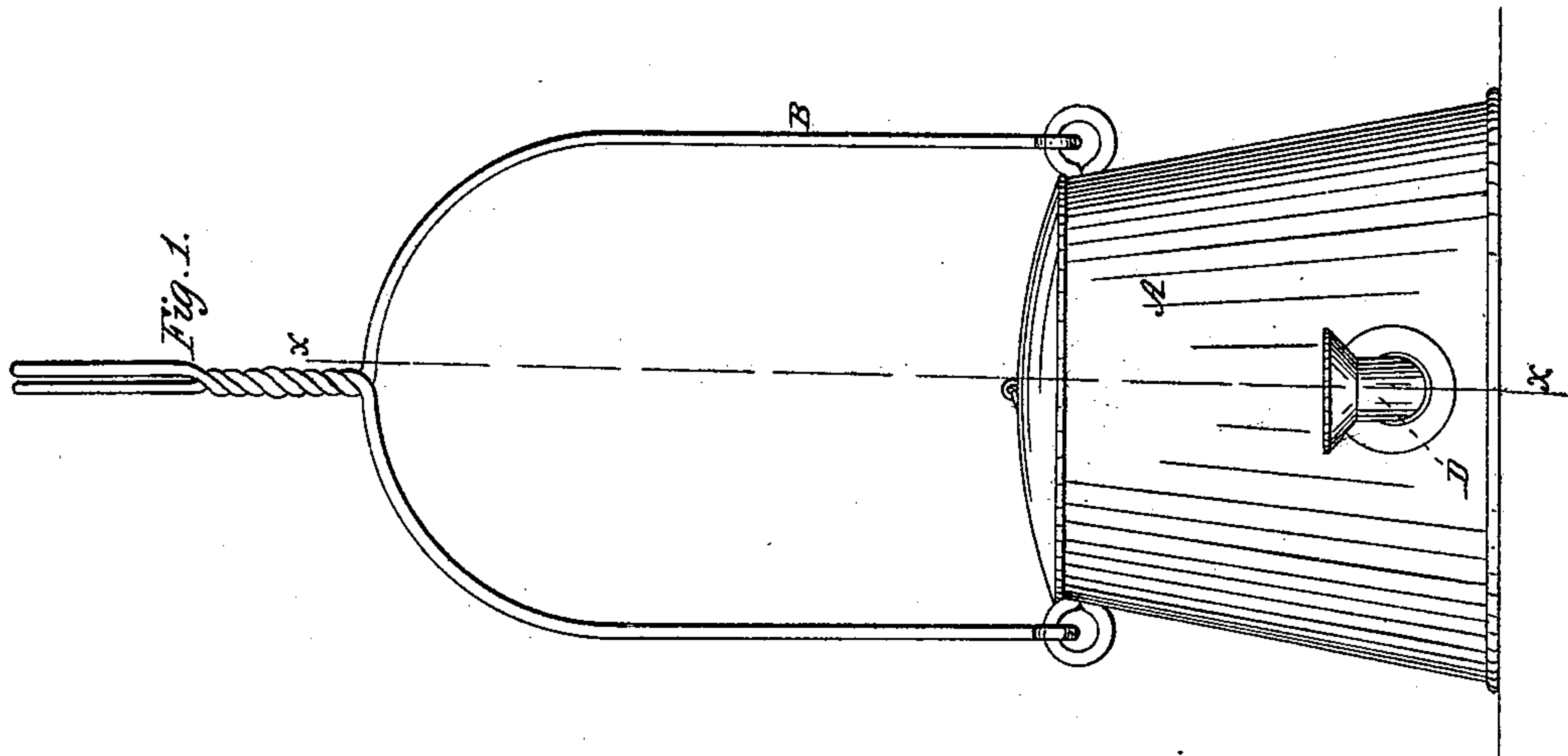
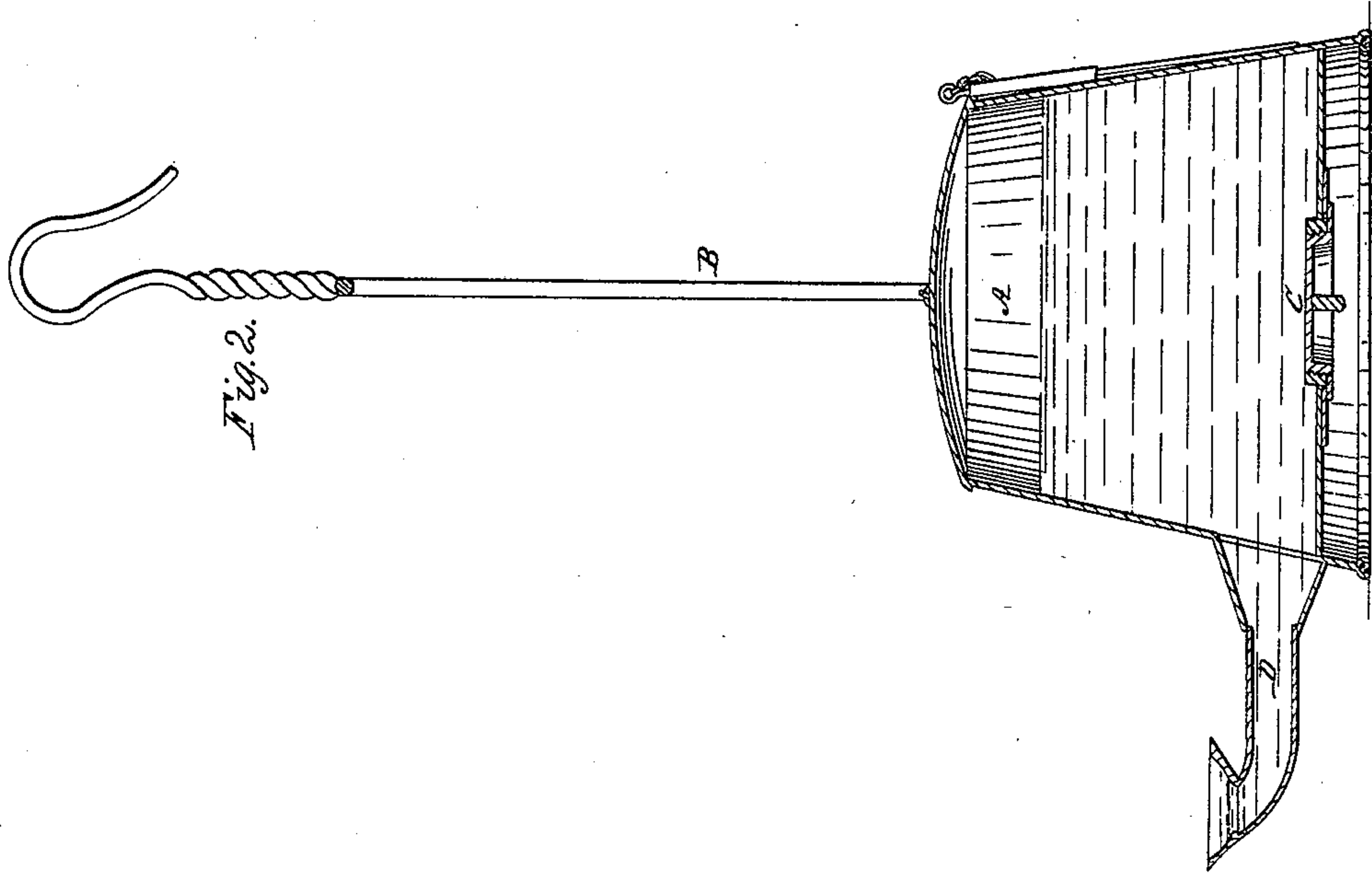


H. J. VAN THIEL.  
Suspended Bunker Lamp.

No. 41,108.

Patented Jan. 5, 1864.



Witnesses:  
*Wm. H. Douglas*  
*Geo. W. Reed*

Inventor:  
*Henry J. Van Thiel*

# UNITED STATES PATENT OFFICE.

HENRY J. VAN THIEL, OF STAPLETON, NEW YORK.

## IMPROVED SUSPENDED BUNKER-LAMP.

Specification forming part of Letters Patent No. 41,108, dated January 5, 1864.

*To all whom it may concern:*

Be it known that I, HENRY J. VAN THIEL, of Stapleton, in the county of Richmond and State of New York, have invented a new and Improved Lamp; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a front view of my invention; Fig. 2, a vertical central section of the same, taken in the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the two figures.

This invention relates to a new and improved lamp of that class which are suspended in the holds of vessels, and are designed for the use of stokers, engineers, &c., and commonly termed "bunker-lamps."

The object of the invention is to obtain a lamp of the class specified, which will admit of a uniform supply of oil to the flame so long as any of the former remains in the fountain of the lamp, and at the same time prevent all leakage or overflow of oil hitherto occasioned by the swinging of the lamp under the motion of the vessel.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the fountain of the lamp, which may be constructed of sheet metal, and has a handle, B, attached to its upper end of bail shape, and in such a manner as to admit of the fountain A swinging freely when suspended on a hook or nail.

The top of the fountain A is made perfectly tight, no opening of any kind being made in it; but there is an opening in the bottom in which a screw-plug, C, is fitted, and through which the fountain is filled, the fountain being inverted for that purpose.

D is a horizontal tube which projects laterally from the lower part of the fountain A, as shown clearly in Fig. 2. This tube contains the wick, and its outer end is curved slightly upward and is expanded in funnel form.

By this arrangement or mode of construction it will be seen that the oil in the fountain A is prevented from overflowing at the end of the wick-tube D by the pressure of the atmosphere while the flame will be supplied with oil so long as any remains in the fountain.

The ordinary bunker-lamp is supplied with oil at the top, and it has a wick inserted in its upper end. As the oil is consumed and gradually lowers in the fountain the supply of oil to the flame gradually diminishes and the flame decreases in brilliancy. The lamp, therefore, requires to be replenished at short intervals, causing considerable trouble, which is avoided by my invention. The ordinary lamps are also liable to overflow around the wick-tube and the oil run down the sides of the lamp, a difficulty which is also obviated by my invention.

I do not claim, broadly, a fountain-lamp or one with a wick-tube at its lower part and the oil retained in the fountain by atmospheric pressure; but,

Having thus described my invention, I claim as new, and desire to secure by Letters Patent, as an improved article of manufacture—

A suspended or bunker lamp having its fountain A, provided with a screw-plug, C, in its bottom, and a horizontal wick-tube, D, attached to its lower end, as herein set forth.

HENRY J. VAN THIEL.

Witnesses:

THOS. S. J. DOUGLAS,  
GEO. W. REED.