

No. 887,546.

PATENTED MAY 12, 1908.

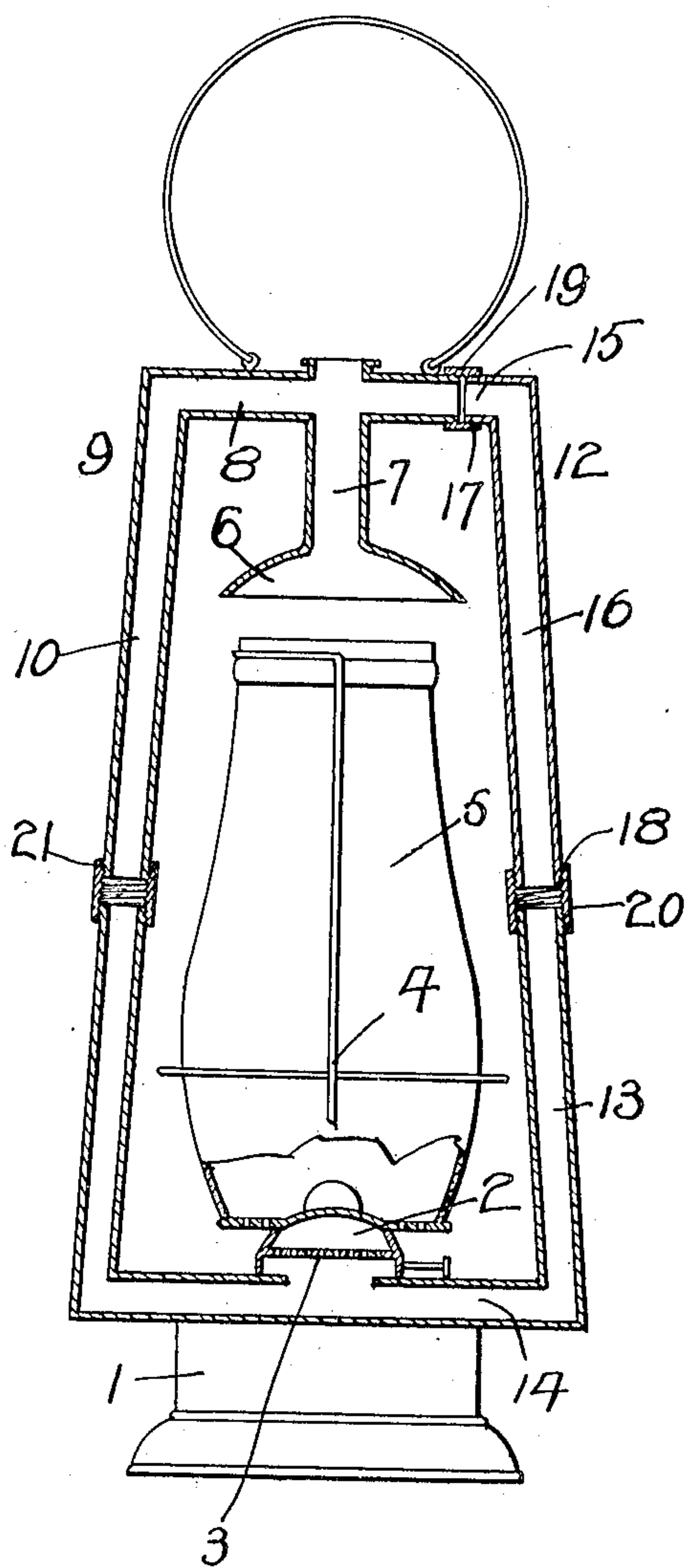
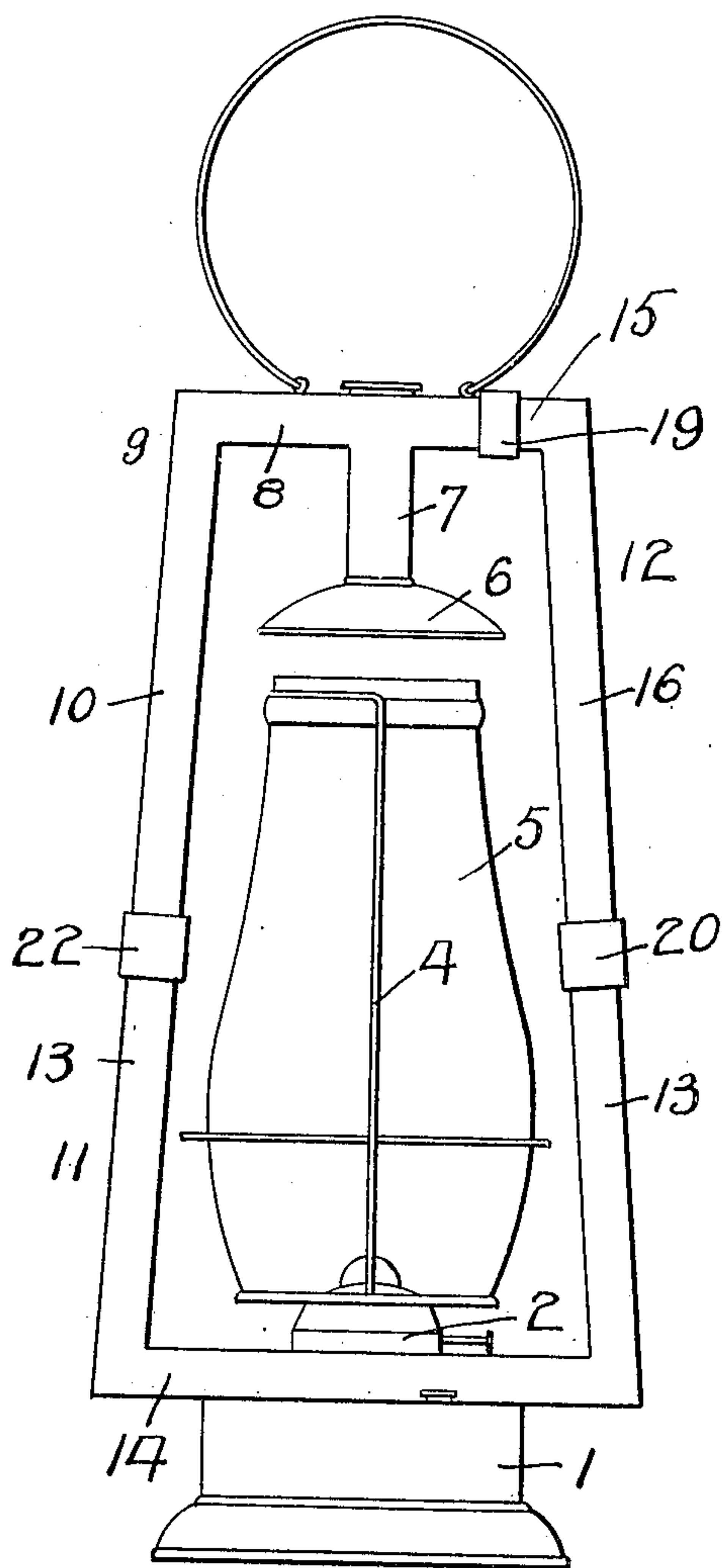
A. TREVINO.

LANTERN.

APPLICATION FILED APR. 22, 1907.

Fig. 1.

Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

ABUNDIO TREVINO, OF RIO GRANDE, TEXAS.

LANTERN.

No. 887,546.

Specification of Letters Patent.

Patented May 12, 1908.

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To all whom it may concern:

Be it known that I, ABUNDIO TREVINO, a citizen of the United States, residing at Rio Grande, in the county of Starr, State of Texas, have invented certain new and useful Improvements in Lanterns; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as it appertains to make and use the same.

This invention relates to new and useful improvements in lanterns, and it has particular reference to a lantern embodying ventilating tubes for maintaining a continuous circulation of fresh air about the flame and for thus aiding combustion and reducing smoke.

In connection with a lantern of the above type, the invention aims as a primary object to provide a novel combination, construction, and arrangement of parts, the details of which will appear in the course of the following description, in which reference is had to the accompanying drawings forming a part of this specification, like characters of reference designating similar parts throughout the several views, wherein.

Figure 1 is a side elevation of a lantern constructed in accordance with the present invention, and Fig. 2 is a central longitudinal section thereof.

The lantern embodied in the present invention comprises an oil font 1 and a burner 2, including a distributing plate 3 of foraminous material. Surrounding the burner 2 is a wire guard and holder 4 for a chimney 5, the upper end of which registers with a hood 6 supported thereabove and fixed to the lower end of a depending open ended tube 7. The tube 7 is carried by the horizontal arm 8 of a section of ventilator pipe 9, the latter having a vertical arm 10, the arm 8 having a central opening registering with the tube 7. The ventilator pipe, in addition to the section 9, includes sections 11 and 12. The section 11 is of substantial U-shape and includes vertical arms 13 and a connecting cross-arm 14, the latter passing beneath the burner 2 and communicating with the interior thereof for the purpose of distributing air through the plate 3. The section 12 includes a short length horizontal arm 15 and a depending vertical arm 16. The arms 15 and 16 are threaded at their extremities, as at 17 and 18, for articulation with coupling nipples 19 and 20, adapted to loosely surround the ends of

the arms 8 and 13 adjacent thereto. In like manner the lower end of the arm 10 is threaded, as at 21, for engagement with a similar nipple 22 provided upon the other arm 13.

The manner of use will be readily apparent from the foregoing description. The heated air from the lamp chimney passing into the hood 6 induces a draft of fresh air which circulates through the various sections. As the heated and fresh air meet, their temperature is neutralized and condensation is prevented. The air passes through the plate 3 and the wick slot in the burner 2 on each side of the flame and thus maintains the flame constant and uniform, and insures a more perfect degree of combustion than is ordinarily attained. The sections of the ventilator pipe may be readily assembled and disassembled for cleaning and other purposes. A lantern constructed in accordance with the present invention is exceedingly simple in construction, inexpensive to manufacture, and practical and efficient in use.

From the foregoing description, it will be seen that simple and efficient means are provided for accomplishing the objects of the invention, but while the elements herein shown and described are well adapted to serve the purposes set forth, it is obvious that various minor changes may be made in the proportions, shape, and arrangement of the several parts, without departing from the spirit and scope of the invention as defined in the appended claims.

What is claimed, is—

1. In a lantern, the combination with a font and burner, of a ventilating tube comprising three tubular open-ended sections, one of said sections comprising a horizontal arm communicating with said burner and vertical arms provided at the ends of said horizontal arms, a second section comprising an elongated horizontal arm formed with a central opening, a vertical arm depending from the end of said horizontal arm, and a tube in registry with said opening carrying a hood and depending from the body portion of said horizontal arm and the third one of said sections comprising a relatively short length horizontal arm and a vertical arm depending therefrom, nipples threaded upon the arms of said third section and adapted to loosely surround the ends of the arms adjacent thereto, and a nipple threaded upon

the depending vertical arm of said second section and adapted to loosely surround the end of the arm adjacent thereto.

2. In a lantern, the combination with a
5 font and burner, of a ventilating tube comprising three tubular open ended sections and connections between the adjacent ends of said sections, one of the sections being carried by the font and being of U-shape and including upwardly extending arms and a connecting cross part, said arms and said cross
10 part being disposed along straight axes, the said cross part having an opening below the burner, the remaining two sections being of
15 substantial L-shape, and each comprising upper horizontal detachably connected arms

and arms depending from said horizontal arms and detachably connected with the arms of said U-shaped section, one of said horizontal arms being of greater length than
20 the other and having an opening in its round surface adapted to register with the upper end of the lamp chimney, the arms of said L-shaped sections being disposed throughout
25 their length along straight axes.

In testimony whereof, I affix my signature, in presence of two witnesses.

ABUNDIO TREVINO.

Witnesses:

JUAN HINOJOSA,
ALBINO HINOJOSA.