C. T. WHIPPLE.

TUBULAR LANTERN FRAME.

APPLICATION FILED MAY 7, 1910.

994,624.

Patented June 6, 1911.

2 SHEETS—SHEET 2.

Fig. 3.

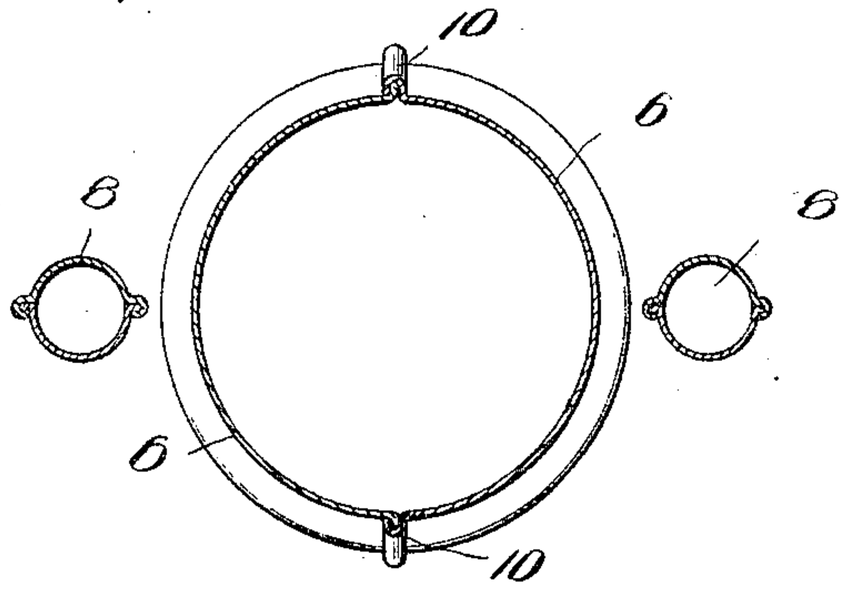


Fig. 4.

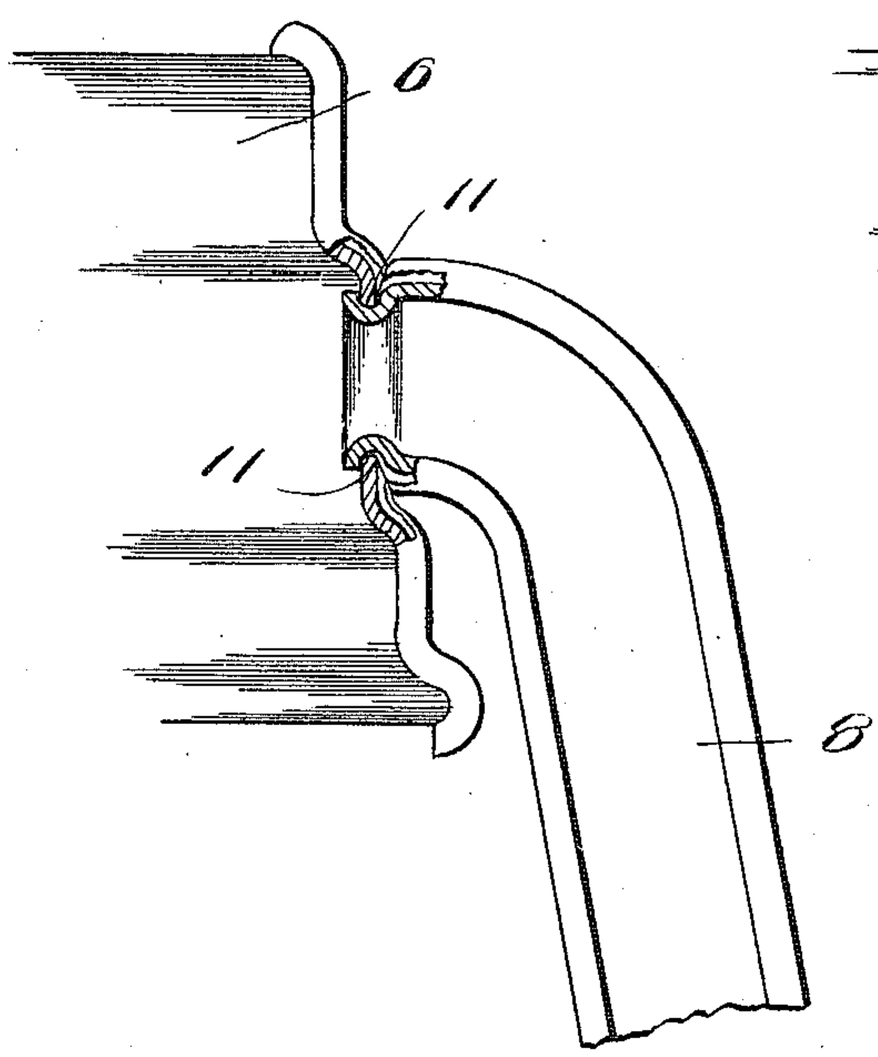
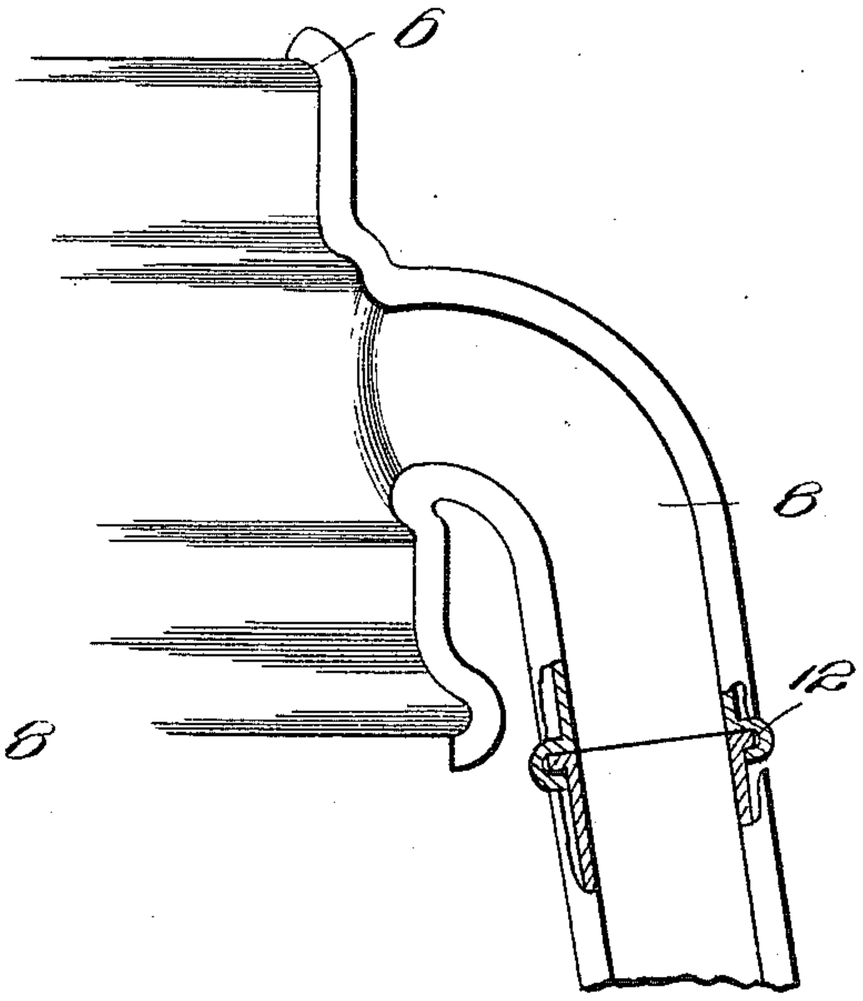


Fig. 5.



Witnesses

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2 SHEETS—SHEET 1.

Fig. 1.

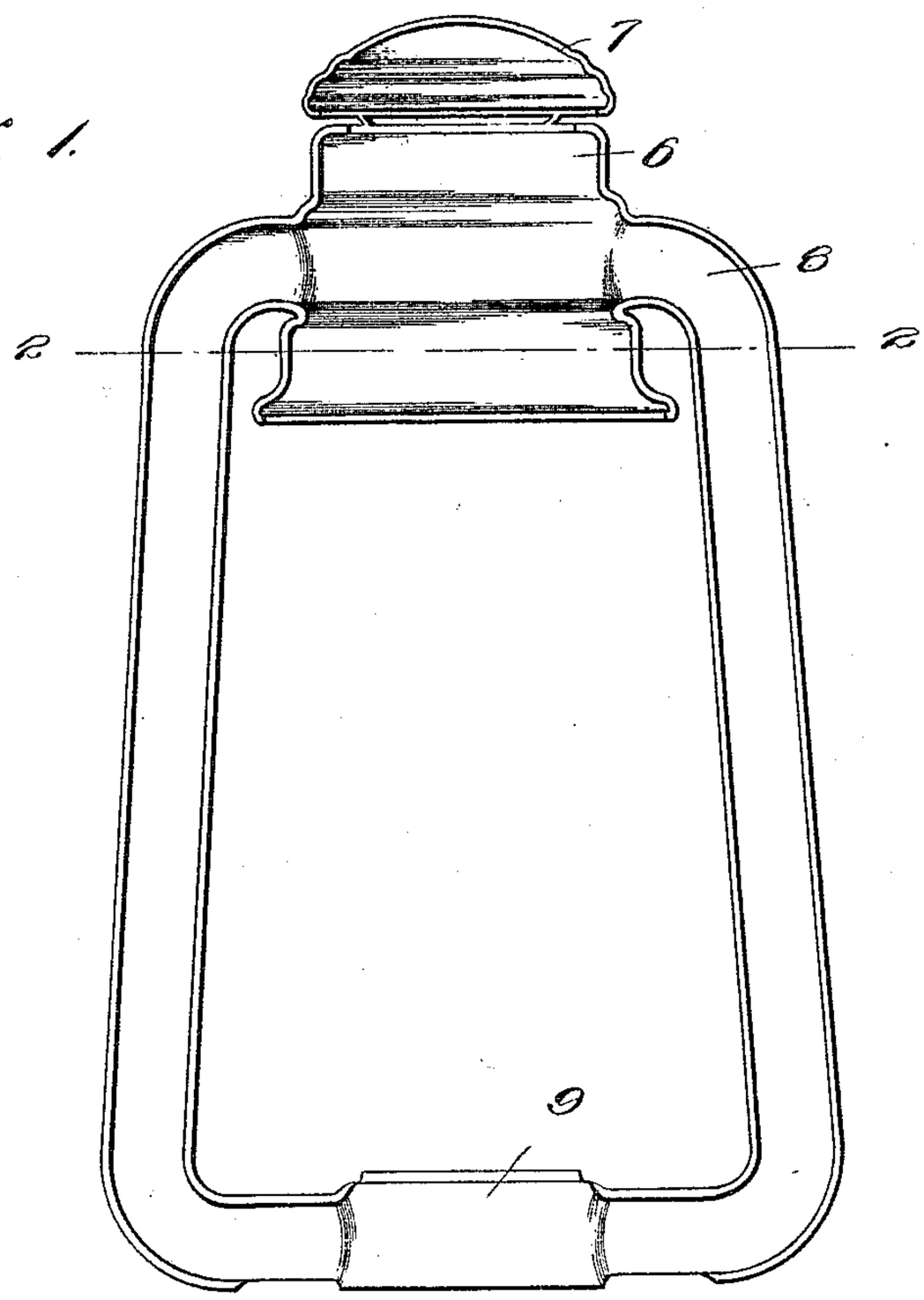
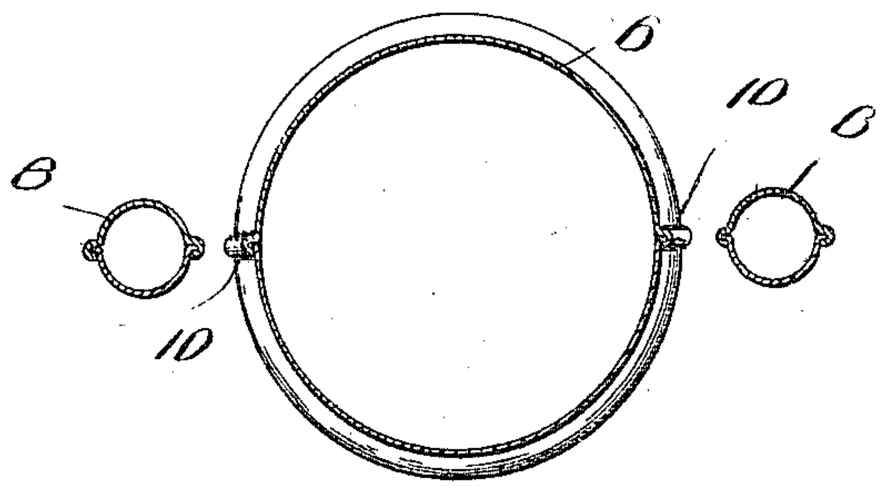


Fig. 2.



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UNITED STATES PATENT OFFICE.

CLAYTON T. WHIPPLE, OF GLENS FALLS, NEW YORK.

TUBULAR LANTERN-FRAME.

994,624.

Specification of Letters Patent. **Patented June 6, 1911.**

Application filed May 7, 1910. Serial No. 559,920.

To all whom it may concern:

Be it known that I, CLAYTON T. WHIPPLE, a citizen of the United States, residing at Glens Falls, in the county of Warren and State of New York, have invented certain new and useful Improvements in Tubular Lantern-Frames, of which the following is a specification.

This invention relates to that class of lanterns having side tubes leading from the dome to the burner, and has for its object to reduce the number of parts or blanks necessary to construct the lantern; also to reduce the number of pressing or forming operations, and the labor of assembling the parts into the complete article, avoiding also the use of soldered joints.

It is old in the art to press or draw the dome or lantern top and to connect the tubes thereto, as well as to a burner collar, the tubes being formed in separate pieces or halves, and the burner collar in a separate piece or ring. By my invention the whole frame, dome, tubes and burner collar are made in two halves or pieces of sheet metal cut and drawn to the desired shape. In the preferred form the halves are divided on the plan across the tubes. As a modification, the dome may be made separate from the tubes and seamed on the same plane as the tubes, or on a transverse plane. Or as a further modification the dome may be made making the frame in halves and seaming integral with a portion of the tubes. By the same together the cost of construction is materially reduced and a stronger and better frame is produced.

The invention is illustrated in the accompanying drawings in which—

Figure 1 is a plan view showing one of the blanks or halves, with the dome and burner collar sections integral with the tube sections. Fig. 2 is a section such as would appear on the line 2—2 of Fig. 1, if two halves such as are shown in Fig. 1 were assembled. Fig. 3 is a similar section of a modification wherein the dome is made separately and seamed on a transverse axis. Fig. 4 is a detail partly in section showing the dome made in separate pieces with the tube sections joined thereto. Fig. 5 is a similar detail showing the dome section integral with the upper elbow or part of the air tube.

In the invention as shown in Figs. 1 and 2 the dome 6, with its cap 7, the air tubes 8, and the burner collar 9, are made in halves cut and drawn from a sheet metal blank of proper size, and after being drawn or pressed to shape these parts are united by lap seaming as shown at 10 in Fig. 2, thereby producing the complete lantern frame which will be assembled with the font and other parts, thereby avoiding the labor and expense of producing and assembling the various parts separately, as heretofore. One blank or half is cut slightly wider than the other in order that its edges may be lapped over the edge of the other section when they are assembled.

In the modification shown in Fig. 3 the two halves or parts of the dome are joined on a plane transverse to that of the tubes, and in this instance the dome sections are made in separate pieces from the tubes, the latter being joined thereto as indicated in Fig. 4 or in any other suitable manner. It is within the scope of my invention to form the lamp dome and its cap of sectional blanks seamed together, and domes or tops so produced may be used on tubular lanterns or other lanterns of any kind.

In the modification shown in Fig. 4 the dome sections and cap are made in separate halves and the tubes are seamed at their ends thereto, as shown at 11. Or as shown in Fig. 5 the upper elbows or parts of the air tubes are made integral with the dome sections and joined by a beaded joint 12 or otherwise to the remaining portion of the tubes. In any of the constructions indicated considerable economy of production results, as compared to a top drawn in single continuous circular pieces such as the body and cap which must then be assembled.

What I claim as new is:—

1. A top blank for a tubular lantern, said blank being made of one piece of sheet metal shaped to form side tube portions and an enlarged integral dome portion between the same, extending both above and below the junction of said tube portions therewith.

2. A tubular lantern frame comprising two similar sheet metal blanks, each blank having side tube portions, an enlarged dome portion connecting the upper ends of the tube portions, and a burner collar portion connecting the lower ends of the tube portions, said blanks being seamed together and forming a dome, side tubes and burner collar.

3. A tubular lantern frame consisting of

two similar sheet metal blanks connected together at their edges, each blank having burner collar, air tube and dome portions, the dome portion being enlarged and open at top and bottom.

4. A tubular lantern top comprising two similar blanks each having dome and integral air tube and cap portions, and seamed together at their edges, the cap being spaced from the dome.

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

CLAYTON T. WHIPPLE.

Witnesses:
HARRY L. RUSSELL,
HELEN P. FOLEY.