

No. 868,394.

PATENTED OCT. 15, 1907.

W. H. ASH.
FUNNEL.

APPLICATION FILED OCT. 26, 1906.

Fig. 1.

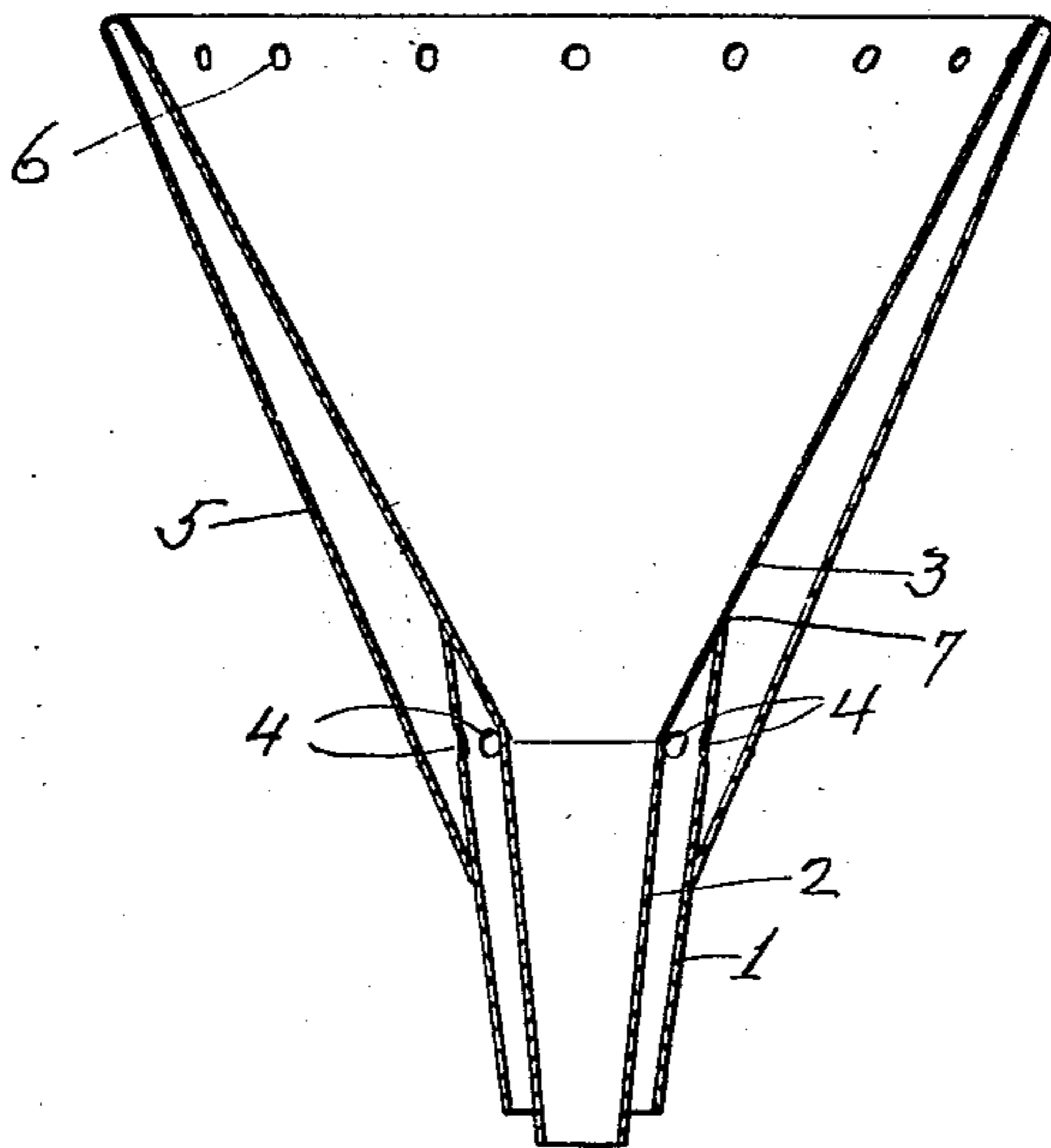
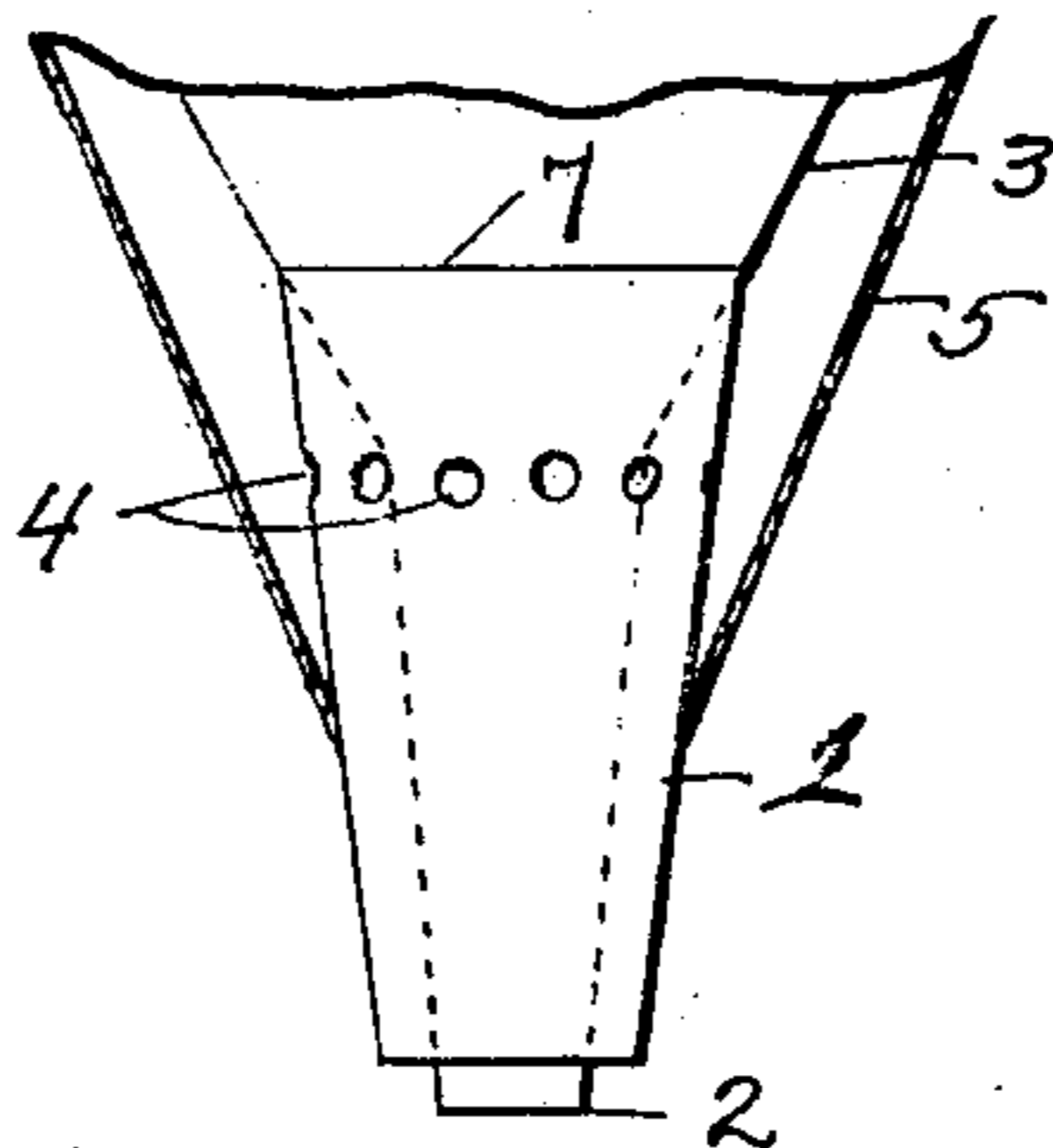


Fig. 2.



WITNESSES

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FUNNEL.

No. 868,394.

Specification of Letters Patent.

Patented Oct. 15, 1907.

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To all whom it may concern:

Be it known that I, WILLIAM H. ASH, a citizen of the United States of America, residing in Bay Shore, county of Suffolk, State of New York, have invented certain new and useful Improvements in Funnels, of which the following is a specification.

My invention relates to funnels and particularly to funnels provided with means for the escape of air or gas from the vessel which is being filled.

10 In the accompanying drawings Figure 1 is a cross section of my funnel; and Fig. 2 is a side elevation of portion of the same with the surrounding vent broken away.

Funnels provided with means for the escape of the air or gas from the vessel which is being filled are well known. In practice however they have proven unsatisfactory because they are not constructed with sufficient rigidity to stand the wear of use. Another disadvantage in the common funnel of this type is that the vent is left completely open through its length and opens outside the funnel so that when a receptacle is being filled with such a liquid as gasoline for instance, not only do the quickly forming vapors escape but the liquid itself is blown out through the vent and is lost, in addition to bespattering surrounding objects. My invention obviates these disadvantages.

Referring to the drawings it will be seen that I construct my vent, which takes the usual shape of a surrounding shell, in two parts. The lower part 1 which incases the spout 2 of the funnel, is carried up to the cup 3 of the funnel and attached solidly thereto by an annular joint 7. In the upper portion of this lower part 1, I provide a ring of holes 4 just below the point of attachment to the cup 3 of the funnel.

35 The upper portion 5 of the shell which is attached to the lip of the cup 3 in any suitable manner, is brought down to the lower portion and attached to the latter at a point below the holes 4. A ring of perforations 6 near the lip of the funnel opens from the vent into the cup 3.

40 As usual, the spout 2 projects beyond the lower edge of the part 1 so that the outgoing air or vapor does not interfere with the incoming liquid.

It will be seen that the construction which I employ provides a very staunch funnel of this type by reason of the solid attachment of the lower portion 1 of the vent to the cup 3. The holes 4 and 6 permit the ready escape of air from the receptacle, while in case the funnel is used for such readily vaporizing liquids as gasoline, benzine and the like, the solid attachment of the portion 1 to the cup 3 with merely the openings 4 for the vent affords an obstruction to the blowing out of the liquid, while the extension of the vent passage to the lip of the cup and the opening of holes 6 into the cup preserve such liquid as is forced up, by discharging it again into the funnel.

I claim as my invention

1. A funnel having an air vent surrounding its spout and cup, said vent being provided with intake and outlet openings, and a perforated obstruction within said vent intermediate its ends.

2. A funnel having an air vent surrounding its spout and cup, said vent being provided with intake and outlet openings, and a perforated plate within said vent intermediate its ends.

3. A funnel having an air vent surrounding its spout and cup and a solid annular joint between the lower portion of such vent and the cup of the funnel, the wall of said lower portion being perforated to establish communication between the upper and lower portions of said vent.

4. A funnel having an air vent surrounding its spout and cup and opening into the cup of the funnel, a solid annular joint between the lower portion of such vent and the cup of the funnel, the wall of said lower portion being perforated to establish communication between the upper and lower portions of said vent.

5. A funnel having an air vent surrounding its spout and cup and opening through perforations into said cup, a solid annular joint between the lower portion of said vent and the cup of the funnel, the wall of said lower portion being perforated to establish communication between the upper and lower portions of said vent.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses.

WILLIAM H. ASH.

Witnesses:

C. SEDGWICK,
WILLIAM ABBE.