T. W. Slade

Funnel

No. 75065 Patented Mar. 3 1868

Fig. 1.

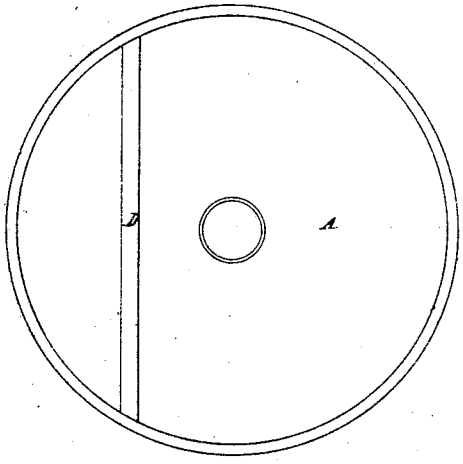


Fig. 4

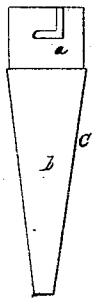


Fig. 5.

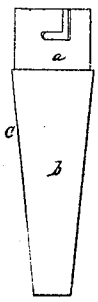


Fig. 2.

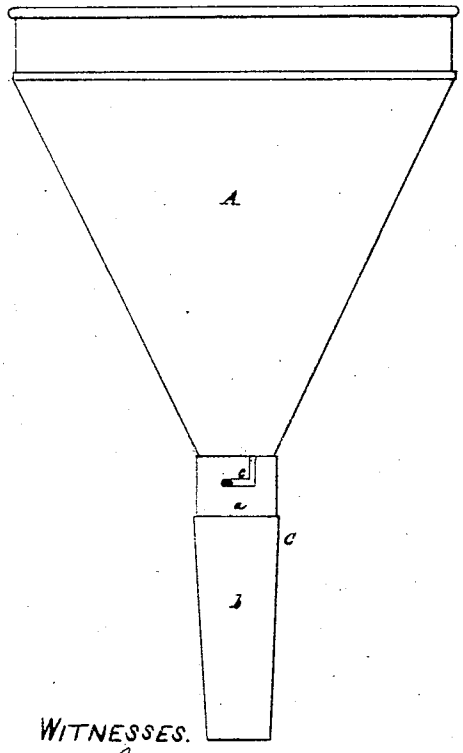
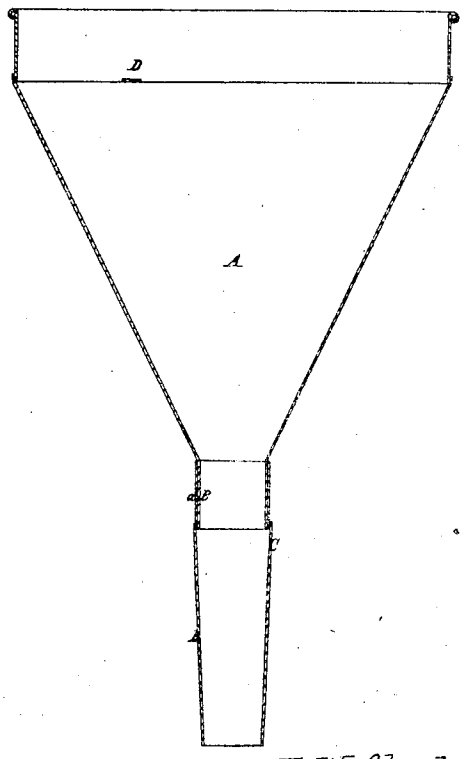


Fig. 3.



WITNESSES.

S. N. Piper.

Jas. W. Mullen

T. W. Slade

by his attorney.

R. H. Eddy

United States Patent Office.

THOMAS W. SLADE, OF MANCHESTER, MASSACHUSETTS.

Letters Patent No. 75,065, *dated March* 3, 1868.

IMPROVEMENT IN FUNNELS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME:

Be it known that I, THOMAS W. SLADE, of Manchester, in the county of Essex, and State of Massachusetts, have invented a new and useful Improvement in Liquor-Tunnels; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, making a part thereof. Of such drawings—

Figure 1 is a top view,

Figure 2 a front elevation, and

Figure 3 a longitudinal section of a liquor-tunnel provided with my invention.

Figures 4 and 5 are views of ajutages of different sizes, adapted for use with such tunnel-mouth and ajutage-holder.

The purpose of my invention is to adapt a tunnel for use with vessels whose bung-holes or receiving-orifices may differ in size.

In the drawings, A denotes the conical mouth-piece or body of the tunnel, as connected at its inferior end to one end of a short tube, B, which I term the "ajutage-holder," it constituting a neck for receiving the ajutage C. This ajutage is composed of a cylindrical tube, *a*, and a conical tube or frustum, *b*, the tube *a* being to encompass and fit upon the neck B, it being held thereto by means of a "bayonet-connection" or catch, shown at *c*. It is intended to have to one mouth-piece, A, a series of the ajutages, whose conical tubes vary in tapers or diameters at their inferior ends, two of such being shown in figs. 4 and 5. By such means the tunnel may be adjusted to bung-holes or openings of different sizes. Across the mouth of the tunnel, and a short distance within the same, is a bar, D, which serves not only as a rest for the support of the nose of a can while liquid may be discharged therefrom into the tunnel, but as a handle to lift the tunnel from the bung-hole of a barrel.

I am aware that a tunnel has been provided with a series of frusto-conical discharge-pipes of different sizes to fit upon its inner discharge-pipe, and therefore I make no claim thereto.

What I claim, is—

The tunnel, as made, with the body and ajutage in separate parts, and provided with a bayonet-connection to hold them in connection, as set forth.

I also claim the arrangement and combination of the cross-bar or rest D with a liquor-tunnel composed of a conical mouth-piece and an ajutage or discharge-nozzle.

THOMAS W. SLADE.

Witnesses:

R. H. EDDY,

SAMUEL N. PIPER.