

J. A. Metcalf
Oil Can.

N^o 94,430.

Patented Aug. 31, 1869.

Fig. 4.

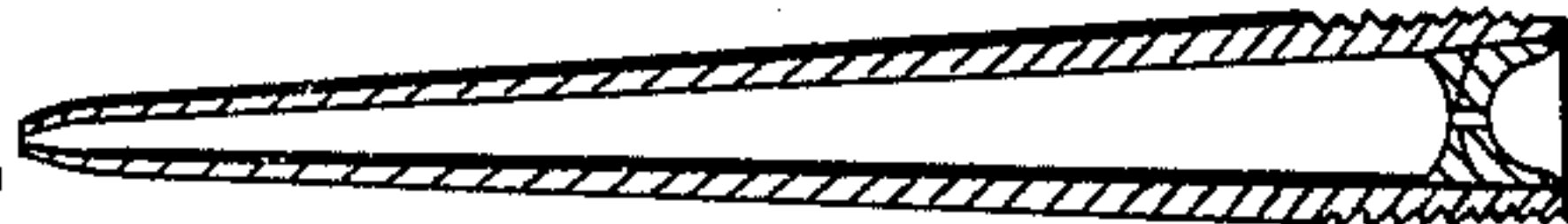


Fig. 3.

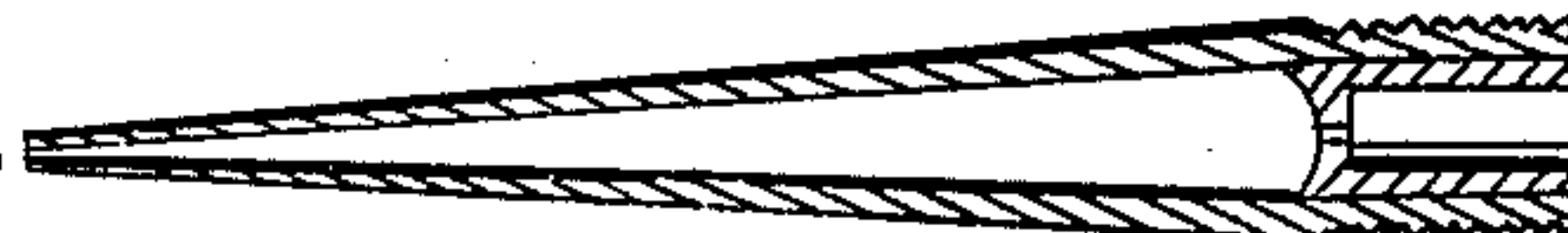


Fig. 2.

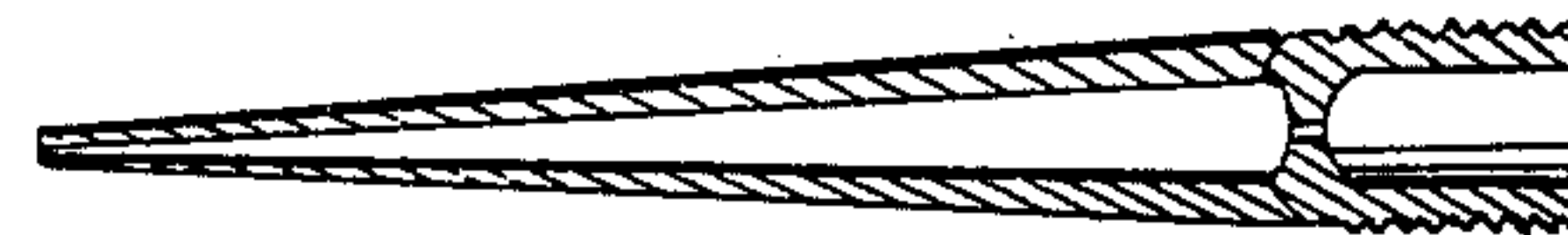


Fig. 1.

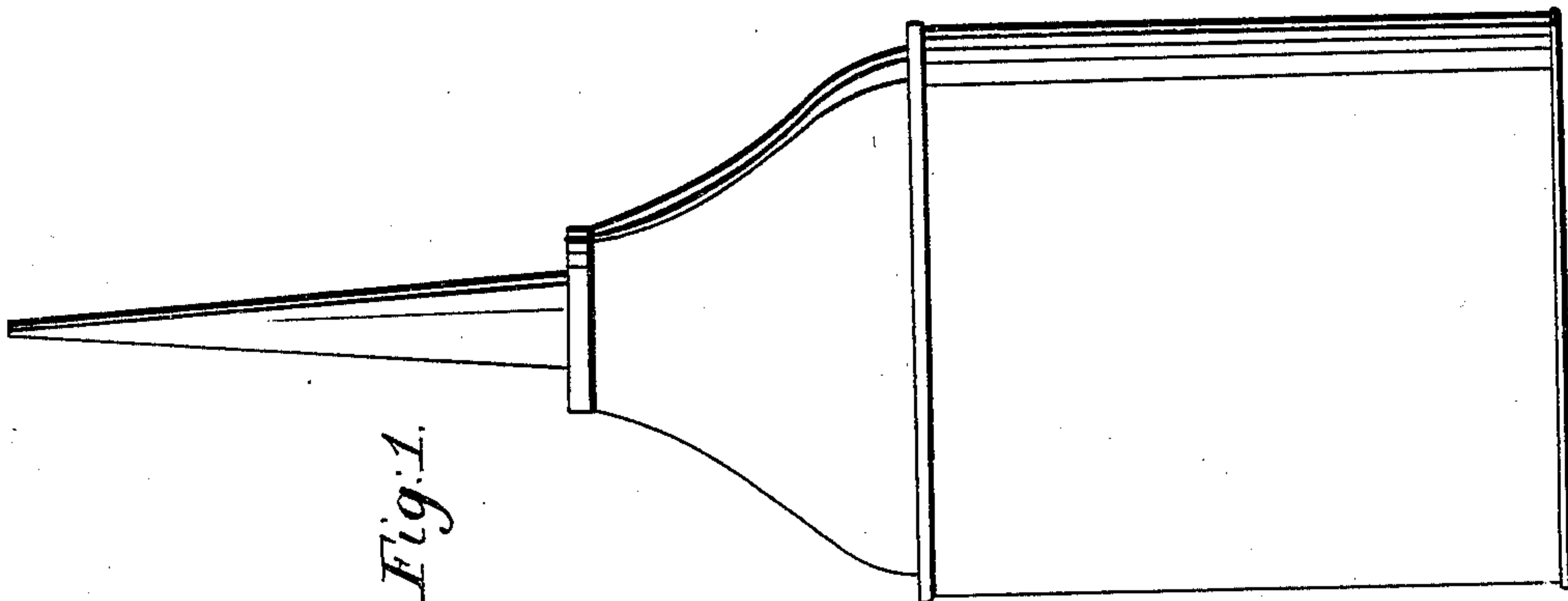
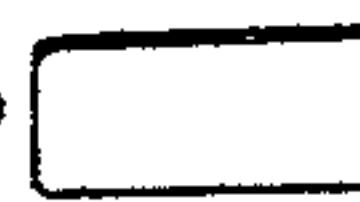


Fig. 5.



Witnesses
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United States Patent Office.

JAMES A. METCALF, OF LAWRENCE, MASSACHUSETTS.

Letters Patent No. 94,430, dated August 31, 1869.

IMPROVEMENT IN OILERS.

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

To all whom it may concern:

Be it known that I, JAMES A. METCALF, of Lawrence, in the county of Essex, and State of Massachusetts, have invented a new and useful Improvement in Oil-Can Tubes, and similar tubes of other vessels; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 represents an elevation of an oil-can.

Figure 2, a section of a tube of my construction.

Figure 3, a section of a tube as now made, having a plug of my construction inserted in its wide lower end.

Figure 4 represents a section of a tube, which has become worthless, by enlarging or rimming out its vent.

Figure 5, an elevation and section of a plug.

My invention relates to an improvement in the tubes or discharge-pipes of oil-cans, and such other vessels, where similar tubes are employed; and consists in placing the vent or orifice which regulates the amount of oil discharged in the wide lower end of the tubes.

The tubes, as at present constructed, allow of having their vent rimmed out, or enlarged, by bruising the small end, when they discharge more oil than is necessary for lubricating-purposes, and become a source of waste, so that manufacturers who use much oil for lubricating-purposes, find it necessary to replace such damaged tubes by new ones.

To overcome this source of waste, and to economize damaged tubes, I propose to construct the tubes

as clearly shown in fig. 2 of the drawings, or to insert plugs in the wide lower end of tubes as now made, as shown in figs. 3 and 4 of the drawings.

In this construction, the vent is in the lower end of the tubes, the end of which is screwed into the oil-can, and the vent cannot be tampered with so easily, and tubes will not become worthless by having their small end bruised, broken off, or rimmed out.

In fig. 2, the plug, with the vent, forms the lower end of the tube, which is screwed into the neck of the can.

The plugs may be made of any suitable metal and any suitable shape, and may be either screwed into or soldered in the wide end of the tubes.

I propose to countersink both ends of the plugs, so that a tube may be easily cleaned out, in case any dirt should get in, by running a wire through it.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent, is—

An attachment to oil-can tubes, or similar tubes of other vessels, consisting of a metallic plug, with a vent-hole, such plug forming, or inserted in the wide lower end of such tubes, substantially as and for the purpose set forth.

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

JAMES A. METCALF.

Witnesses:

ROBERT H. TEWKSBURY,
EDWIN AYER.