

C. J. TROTTER.

APPARATUS FOR DEODORIZING GASES FROM RENDERING TANKS.

No. 194,194.

Patented Aug. 14, 1877.

Fig. 1.

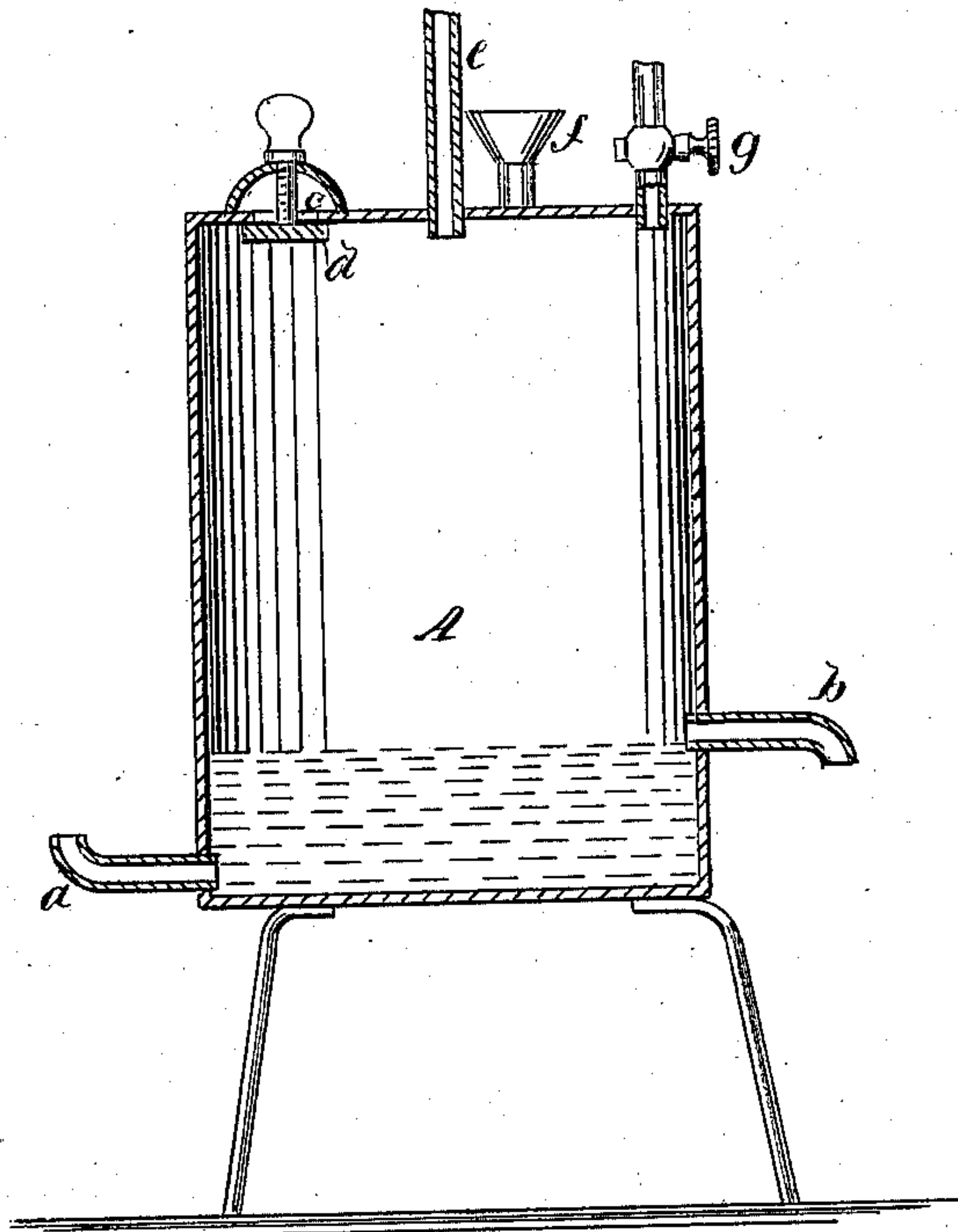
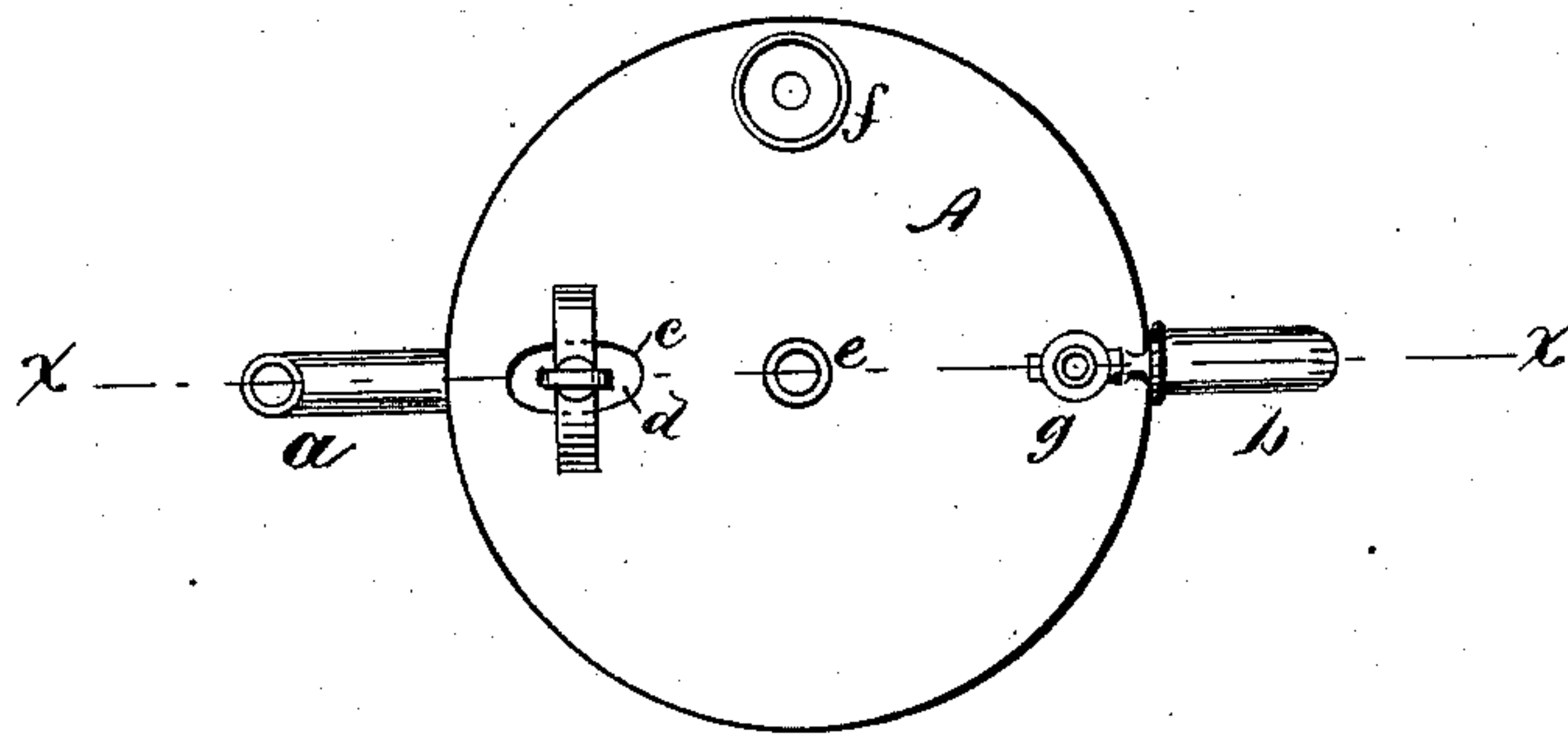


Fig. 2.



WITNESSES:

E. Wolff.
J. H. Scarborough.

INVENTOR:

C. J. Trotter.
BY *Mumford*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES J. TROTTER, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN APPARATUS FOR DEODORIZING GASES FROM RENDERING-TANKS.

Specification forming part of Letters Patent No. **194,194**, dated August 14, 1877; application filed May 12, 1877.

To all whom it may concern:

Be it known that I, CHARLES JOSEPH TROTTER, of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Deodorizing Apparatus, of which the following is a specification:

Figure 1 is a vertical central section of my improved apparatus, taken on line *xx* in Fig. 2. Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

In the drawing, A is a vertical cylindrical shell or drum, closed at both ends by suitable heads, the lower one of which rests upon any suitable foundation. A pipe, *a*, is screwed into the drum A, near the lower head, and a pipe, *b*, is screwed into the opposite side of the drum, a short distance from the lower head. A hand-hole, *c*, is made in the upper head, and is stopped by a suitable cover, *d*. A pipe, *e*, extends through the upper head, for conveying away the gases after they are treated in the apparatus.

To a condenser connected with a sewer, and having a sewer-trap for preventing back flow of gas, a funnel, *f*, is provided, for introducing the deodorizing agent; and *g* is an air-cock for the escape of air from the apparatus.

The manner of using the apparatus is as follows: The drum A is filled with a suitable deodorizing liquid up to the pipe *b*, and the

pipe *a*, being connected with the cooking or rendering apparatus, conveys the gas and vapor from thence to the drum A, where they are forced through the deodorizing liquid contained in the drum, and escape through the pipe *e* to a condenser connected with the sewer, being freed from disagreeable smell.

The liquid which condenses in the apparatus is conveyed away by the pipe *b*.

The deodorizing liquid is introduced, whenever necessary, through the funnel *f*, the valve *g* being opened to facilitate the operation by permitting the air contained in the drum A to escape as the liquid is poured in. After introducing the liquid the valve *g* is closed, and the funnel *f* is stopped by a plug or a suitable valve, and when the apparatus requires cleaning the hand-hole cover is removed.

The escape-pipe *e* may be connected with a sewer, when the fumes of the deodorizing liquid which escape with the gas may, or the gas may, be conducted to the furnace of the cooking or rendering apparatus, when it will be consumed.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

In rendering animal matter, the method of absorbing the evolved noxious gases in a liquid deodorizer, as shown and described.

CHARLES JOSEPH TROTTER.

Witnesses:

BENJAMIN EISENDRATZ,
JANS DULICK.