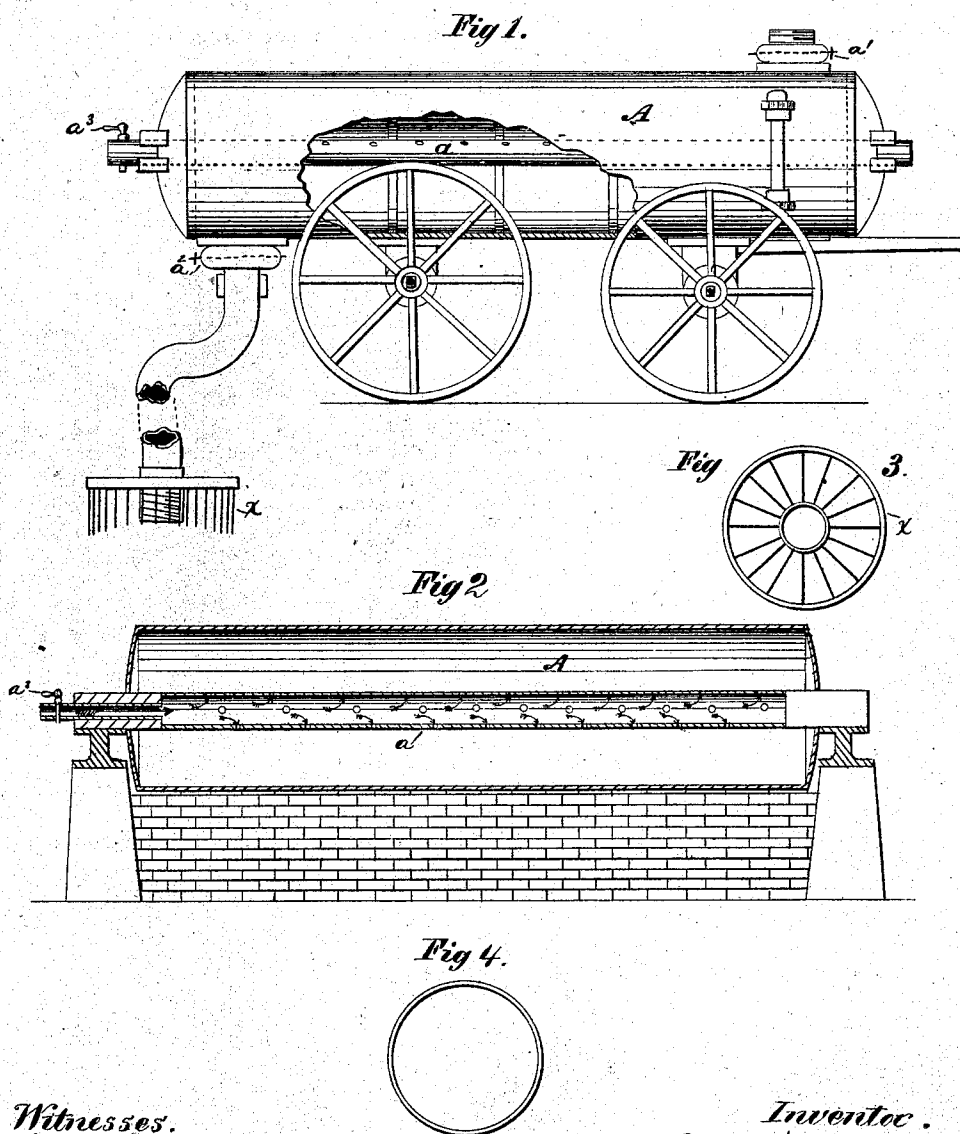


D. D. TEMPLETON.

Apparatus for Treating Linseed Oil.

No. 136,881.

Patented March 18, 1873.



Witnesses.  
H. C. Clark  
R. N. Dyer.

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# UNITED STATES PATENT OFFICE.

DUNCAN D. TEMPLETON, OF NEW YORK, N. Y.

## IMPROVEMENT IN APPARATUS FOR TREATING LINSEED-OIL.

Specification forming part of Letters Patent No. **136,881**, dated March 18, 1873.

*To all whom it may concern:*

Be it known that I, DUNCAN D. TEMPLETON, of New York, in the county of New York and State of New York, have invented new and useful Apparatus for Treating Linseed-Oil; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

This invention is designed mainly for treating linseed-oil, and consists of a cylinder provided with a central perforated tube, the cylinder being so constructed that a vacuum may be formed in it, as will be fully described hereinafter. In the drawing—

Figure 1 represents a side elevation of my improved apparatus supported upon wheels; Fig. 2, a sectional elevation of the same supported over a furnace; Fig. 3, a plan view of the filter; and Fig. 4, an elevation of the internal strengthening-bands used in the cylinder.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and manner of operation.

A represents the cylinder, constructed of any proper material and suitable size, and provided with the longitudinal central perforated tube *a*, as shown. *a*<sup>1</sup> *a*<sup>2</sup> represent cocks, by means of which the air may be exhausted from the cylinder, and the oil introduced when desired. *a*<sup>3</sup> represents a cock regulating the admission of substances into the central perforated tube *a*. The cylinder A may be supported on wheels, as shown in Fig. 1, in such a manner as to be removed therefrom, if desired. H represents a filter, by means of

which any large substance is prevented from entering the cylinder.

The manner of using my improved apparatus is as follows: A vacuum is formed in the cylinder in any proper manner; it is then connected with the oil-tank, and, the proper cock being opened, the oil is drawn up into it. After being permitted to remain in this condition for six or eight hours, more or less, according to the character of the oil, the cylinder may be exposed to heat, proper bleaching chemicals being injected through the central perforated tube while it is being heated. By means of this apparatus the oil is boiled at a low temperature, and much fuel is saved thereby.

The described apparatus is also adapted for other purposes, such as collecting and treating tar, petroleum, and night-soil, in which latter case carbolic acid may be injected through the central tube to prepare the material for fertilizing purposes.

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

The portable boiler or tank, having the perforated tube, as described, the boiler being adapted to be transferred to a furnace, and revolved, for collecting, treating, and drying linseed-oil, night-soil, &c., substantially as set forth.

This specification signed and witnessed this 10th day of March, 1873.

DUNCAN D. TEMPLETON.

Witnesses:

EDM. F. BROWN,  
H. W. BEADLE.