

M. P. WOLFE & E. M. HENKEL.

LEACH.

No. 172,233.

Patented Jan. 11, 1876.

Fig. 1.

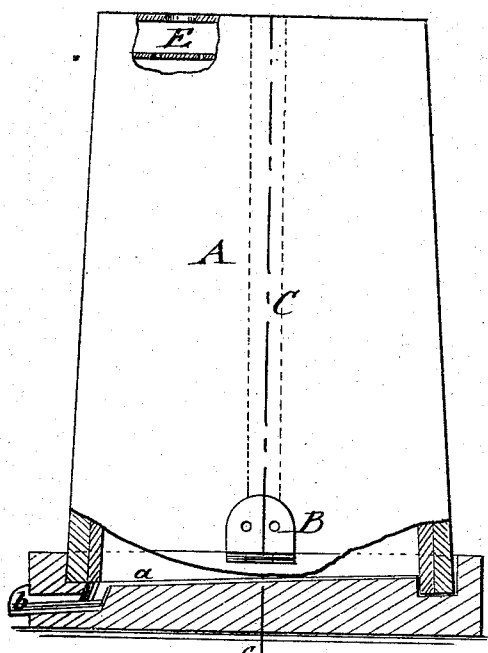


Fig. 2.

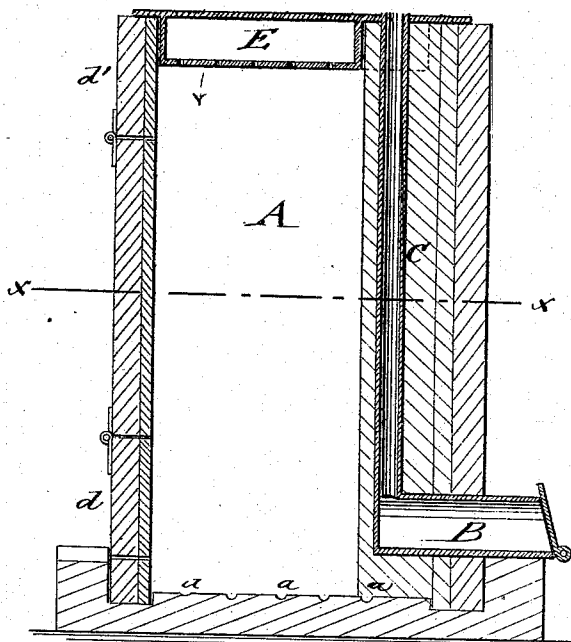
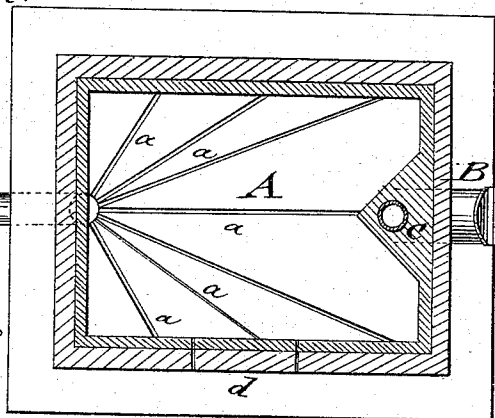


Fig. 3.



WITNESSES:

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MARION P. WOLFE AND EDWIN M. HENKEL, OF CRAWFORDSVILLE, IND.

IMPROVEMENT IN LEACHES.

Specification forming part of Letters Patent No. **172,233**, dated January 11, 1876; application filed August 14, 1875.

To all whom it may concern:

Be it known that we, MARION P. WOLFE and EDWIN M. HENKEL, of Crawfordsville, in the county of Montgomery and State of Indiana, have invented a new and Improved Leach, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a sectional front elevation of my leach; Fig. 2, a vertical central longitudinal section of the same on the line *c c*, Fig. 1; and Fig. 3, a horizontal section on the line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts.

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

In the drawing, A represents the ash receptacle or leach, that is constructed of a base part, with side walls covered with concrete to be entirely fire-proof. The receptacle A is wider at the base and narrower at the top, the stove or fire-place B being arranged at the front part, and the heat conducted through a flue, C, set in concrete to a fruit-drier, which is placed on the top of the ash-receptacle A. The bottom of the ash-receptacle A is inclined toward the side, and pro-

vided with channels *a* that convey the lye to an exit opening and spout, *b*, for being drawn off. The remaining ashes are shoveled out through a hinged side door, *d*, and introduced to the inside of the receptacle through a hinged top door, *d'*. A water-reservoir, E, with perforated bottom, forms the top of the leach, and serves to distribute the water equally over the ashes. The reservoir is filled through a top-hole, *e*, and spreads the water over the surface, extracting the alkali, as it sinks slowly through the ashes, in uniform manner therefrom. The ash-receptacle can be taken apart for being shipped, and is readily set up on its base part.

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

The ash-receptacle and leach having inclined and channeled bottom, and a top reservoir with perforated bottom to distribute the water and draw off the lye, substantially as set forth.

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Witnesses:

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