

(No Model.)

T. M. ULLERY.
Lime Kiln.

No. 236,516.

Patented Jan. 11, 1881.

Fig. 1.

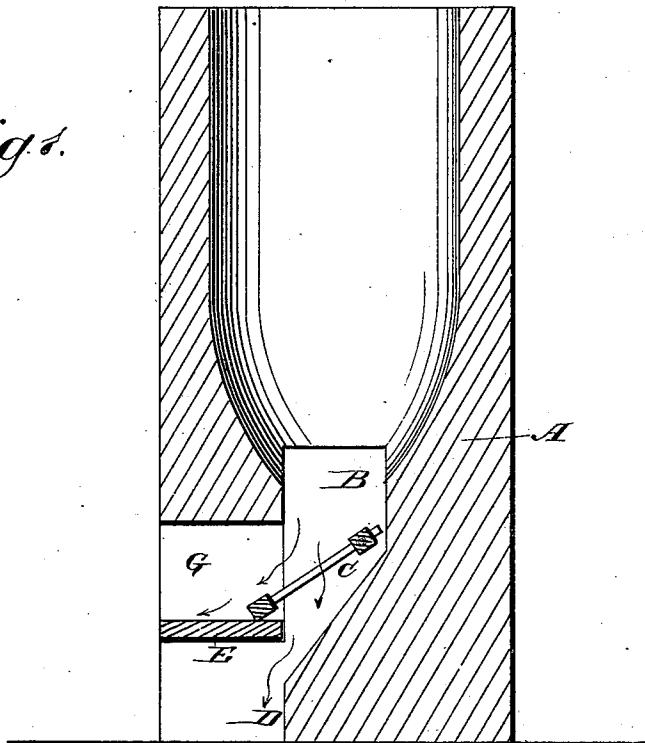
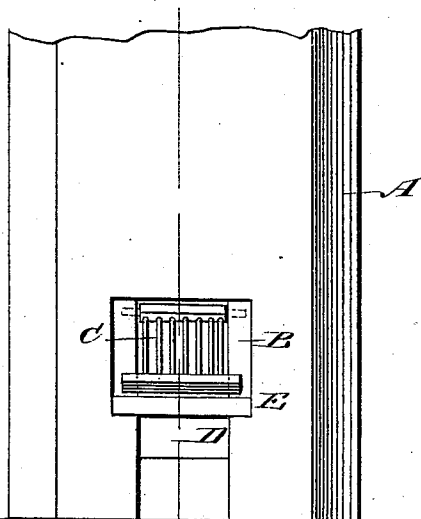


Fig. 2.



WITNESSES:

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THOMAS M. ULLERY, OF WAKEFIELD, KANSAS.

LIMEKILN.

SPECIFICATION forming part of Letters Patent No. 236,516, dated January 11, 1881.

Application filed April 23, 1880. (No model.)

To all whom it may concern:

Be it known that I, THOMAS M. ULLERY, of Wakefield, in the county of Clay and State of Kansas, have invented a new and useful Improvement in Limekilns, of which the following is a specification.

My invention consists in certain novel details of construction and form, whereby provision is made for separating the burned lime from the ashes of the fuel and for facilitating the drawing of the lime from the kiln.

In the accompanying drawings, Figure 1 is a vertical sectional view of a kiln constructed according to my invention. Fig. 2 is a vertical section at right angles to Fig. 1.

The kiln A may be built of brick, stone, iron, or any other suitable material. Its exterior form is cylindrical and its interior funnel-shaped. At the bottom of the funnel-shaped interior is a square opening, B, beneath which is a grating, C, arranged in an inclined position. The rear and upper edge of the grating rests against the rear side of the opening B, and the front and lower edge of said grating

rests upon a plate, E, which I call the "shoveling-board." Beneath the grate C and plate E is the ash-pit D.

The fire is built on the grating C and the limestone is piled on the top of the fire. As the fuel is consumed and the lime is burned both descend to the grating C, which separates the lime from the ashes. The lime rolls down onto the board or plate E, from which it may be readily shoveled through the mouth G, while the ashes pass to the ash-pit D.

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

A limekiln provided with a horizontal shoveling-plate, E, between the mouth G and ash-pit D, coming short of the rear wall of throat or opening B, and supporting the lower end of an inclined grate, C, as shown and described.

THOMAS M. ULLERY.

Witnesses:

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