

(No Model.)

J. W. COOKE.

APPARATUS FOR RESWEATING TOBACCO.

No. 249,591.

Patented Nov. 15, 1881.

Fig. 1.

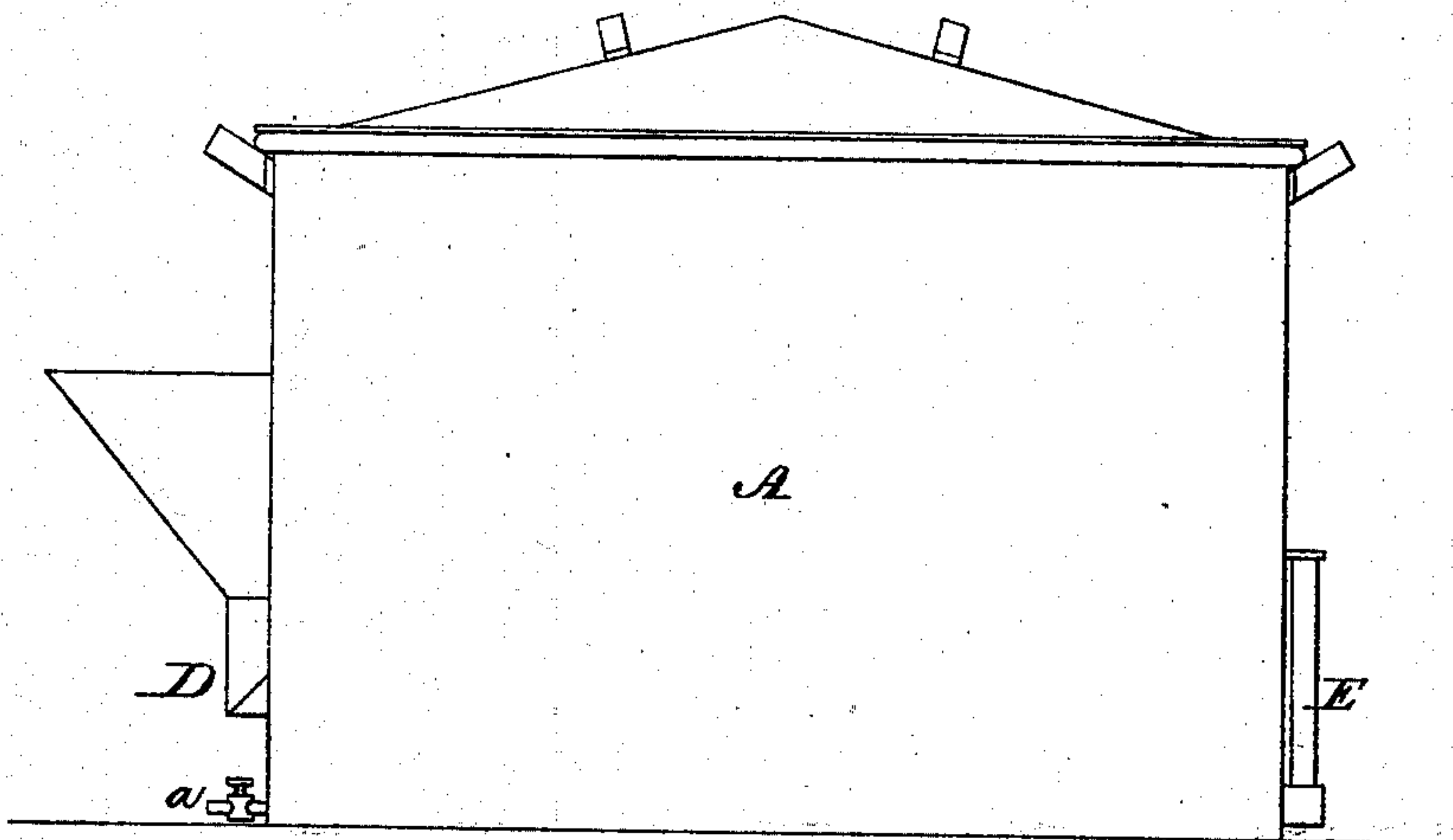


Fig. 2.

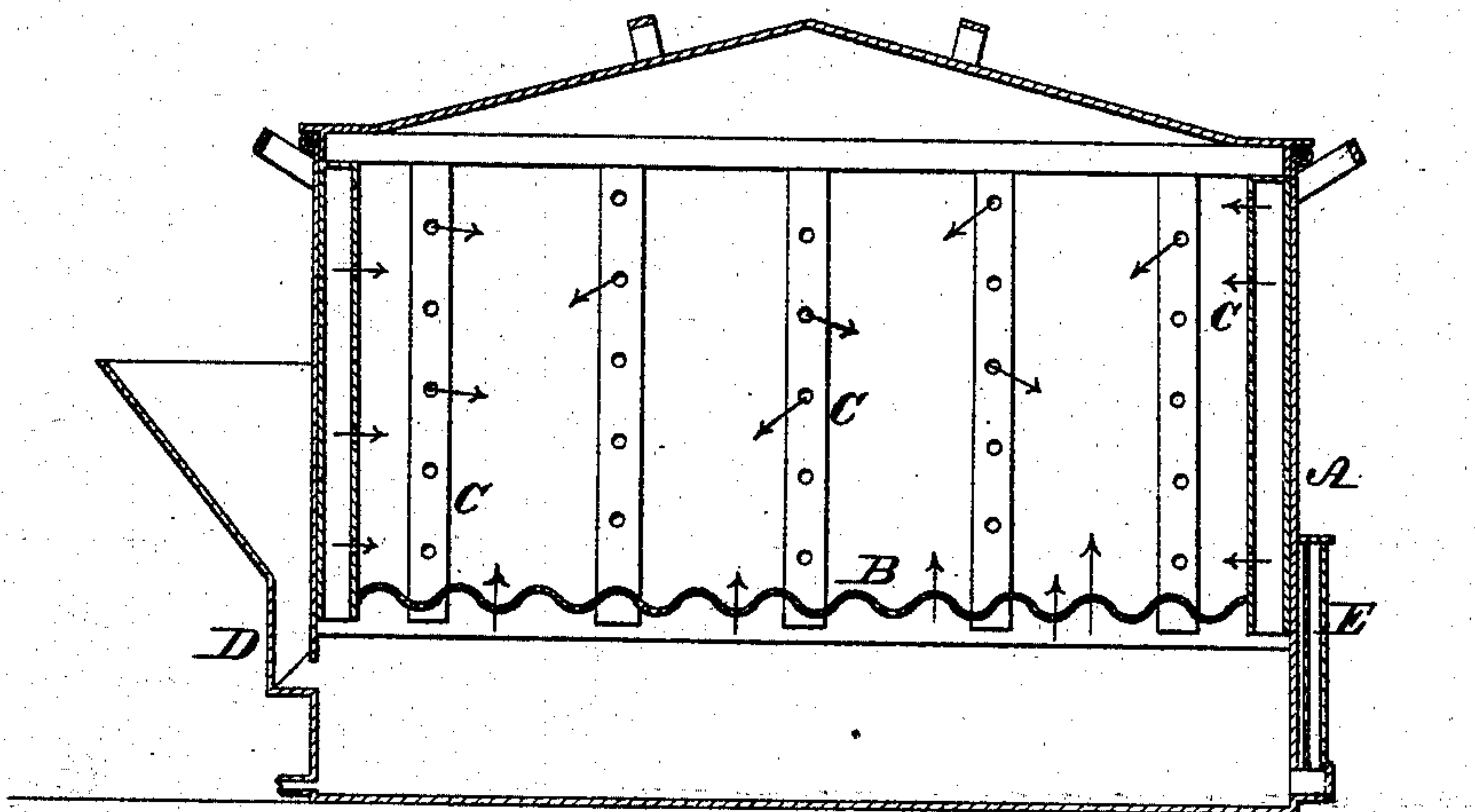
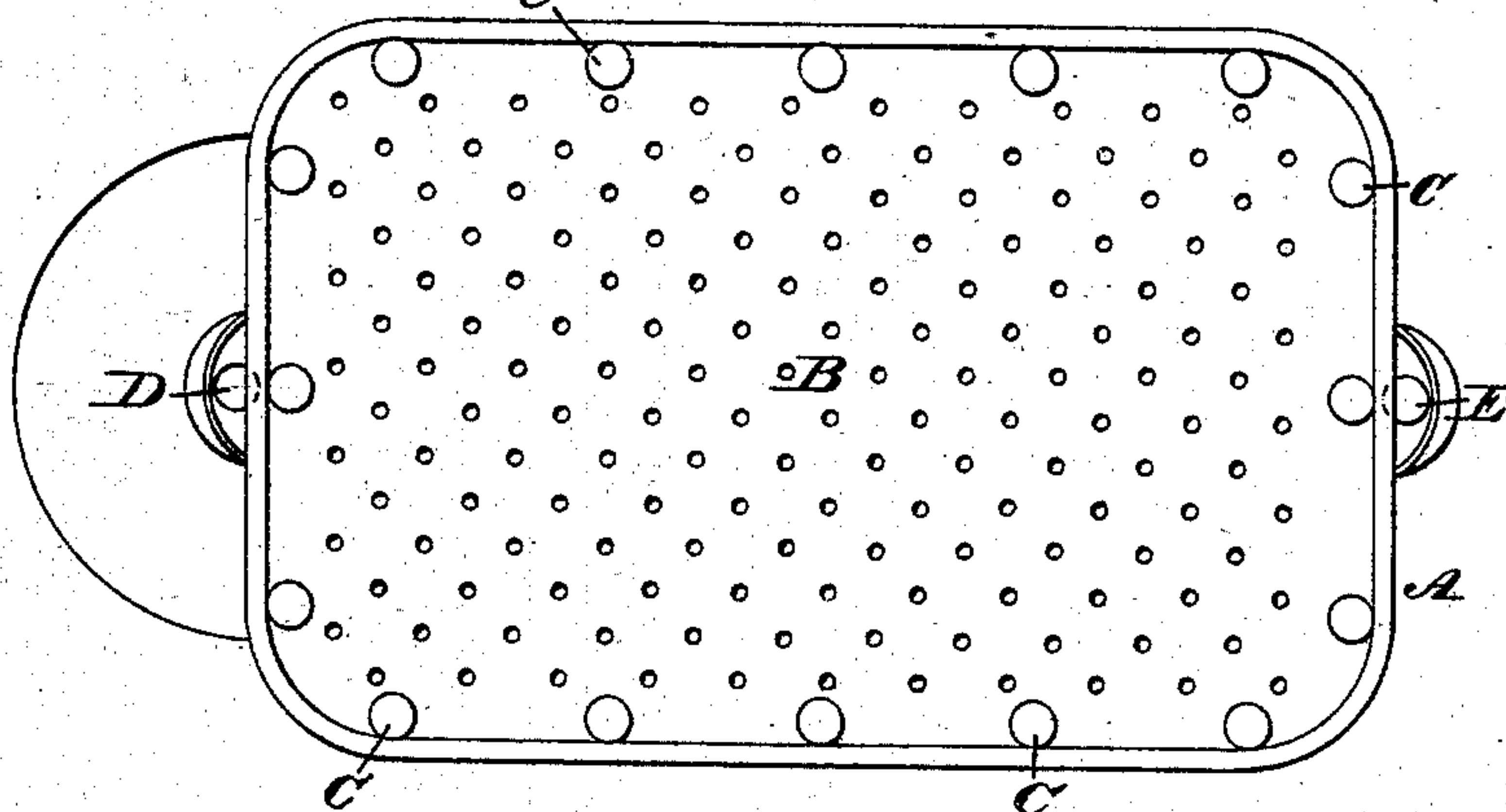


Fig. 3.



WITNESSES:

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## APPARATUS FOR RESWEATING TOBACCO.

SPECIFICATION forming part of Letters Patent No. 249,591, dated November 15, 1881.

Application filed July 27, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN W. COOKE, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Apparatus for Resweating Tobacco, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a side elevation of the apparatus embodying my invention. Fig. 2 is a central longitudinal section thereof. Fig. 3 is a top or plan view thereof, the lid being removed.

Similar letters of reference indicate corresponding parts in the several figures.

The object of my invention is to provide a steaming and heating apparatus for resweating tobacco which may be employed by tobaccoists in their own establishments.

My invention consists of a receiver provided with a perforated false bottom and a series of perforated pipes which communicate with the space of the receiver below the false bottom, and are connected to the receiver, so as to brace and strengthen the same. The steam and heat are caused quickly to reach the mass of tobacco from below and above or laterally, thus accomplishing the work in an expeditious manner, the receiver being adapted to be placed on an ordinary stove or any other suitable heating apparatus. As the entire apparatus is simple and inexpensive it is within reach of those engaged in business on a small scale.

Referring to the drawings, A represents a receiver in the form of a kettle or boiler, preferably of sheet metal, and provided with a suitable lid for preventing escape of the steam.

B represents a diaphragm, which is supported above the bottom of the boiler and constitutes a false bottom, on which the tobacco is sustained during the resweating operation.

C represents a series of perforated pipes, which are secured upright to the inner sides of the receiver and communicate with the space below the diaphragm B, as well as that above it.

D represents an inlet for supplying and replenishing the receiver A with water or other

fluid employed for resweating; and E represents a gage, which communicates with the receiver for indicating the height of the water or fluid therein.

The receiver is properly supplied with water and tobacco, and placed on a stove, range, or other heating medium. As the steam is generated it permeates the mass of tobacco from below through the false bottom B, and from the sides through the pipes C, the action of the steam on the tobacco at the several places causing the work to be accomplished in a rapid and expeditious manner. When it is desired to heat the tobacco the water or fluid in the receiver is removed and the hot air passes through the false bottom and the pipes or conduits C, and so reaches the mass of tobacco simultaneously from below and the sides. The condensed steam and tobacco liquor formed during the resweating operation falls through the perforated bottom B to the bottom of the receiver, and may be removed through the cock or discharge *a*, which is suitably connected to the receiver. The pipes C being attached to the side of the receptacle A, brace and stiffen the same. The false bottom B has a corrugated or undulating form, whereby it gains in strength, and leaves little spaces for the circulation of steam under the tobacco-leaves.

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

1. The receiver A, in combination with the perforated false bottom B and perforated pipes C, said pipes being attached to said receiver and serving to brace the same, as well as to supply the upper space with steam, substantially as set forth.

2. The corrugated or undulating false bottom B, for supporting tobacco, in combination with the shell of the receptacle, and the perforated pipes C, substantially as set forth.

JOHN W. COOKE.

Witnesses:

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GEORGE L. PLITT.