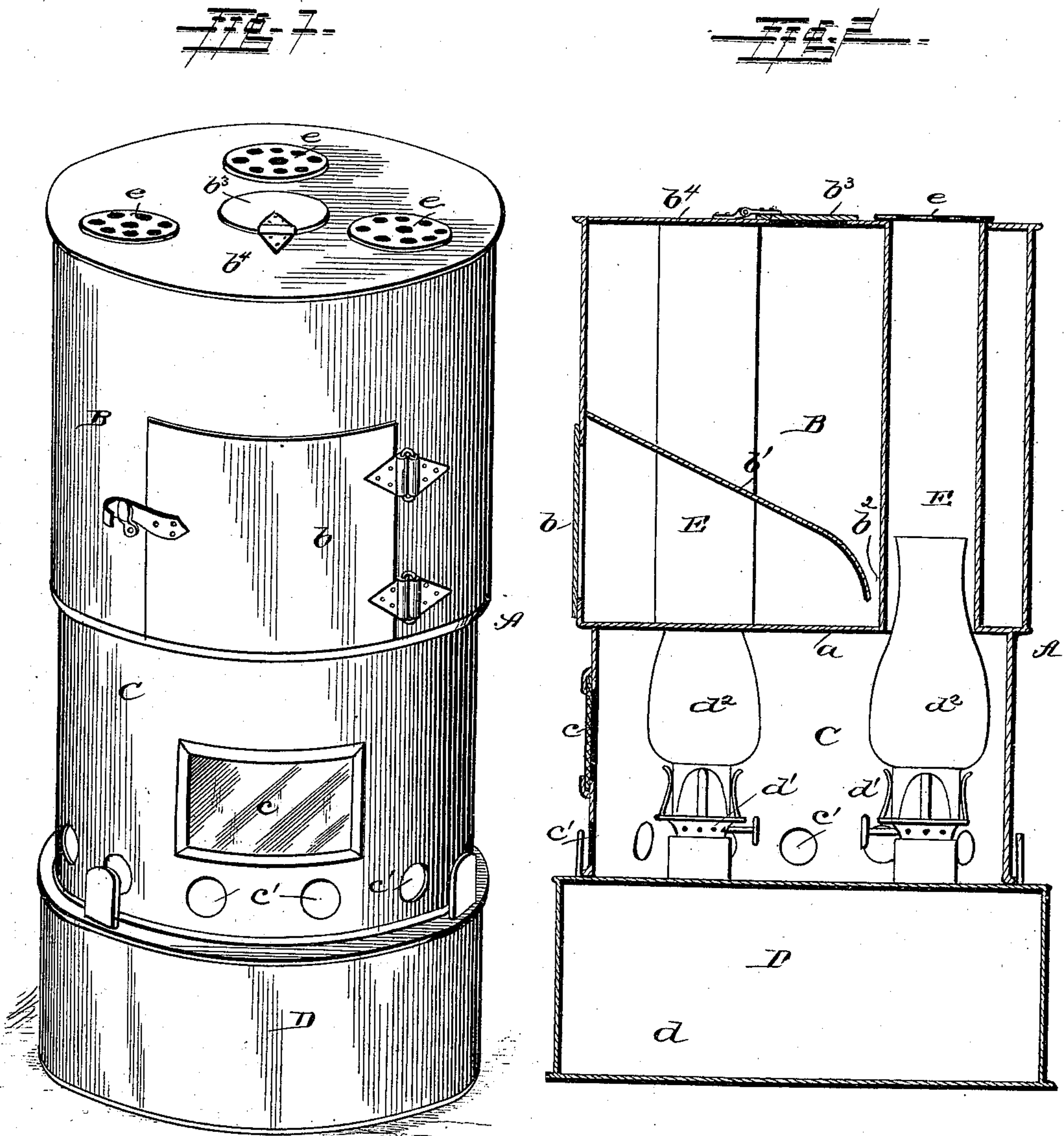


(No Model.)

S. A. FRENCH.  
CAN FOR COFFEE, GRAIN, &c.

No. 408,657.

Patented Aug. 6, 1889.



Witnesses

Joseph A. Ryan  
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# UNITED STATES PATENT OFFICE.

STEPHEN A. FRENCH, OF CRANBURY, NEW JERSEY.

## CAN FOR COFFEE, GRAIN, &c.

SPECIFICATION forming part of Letters Patent No. 408,657, dated August 6, 1889.

Application filed May 10, 1888. Serial No. 273,383. (No model.)

*To all whom it may concern:*

Be it known that I, STEPHEN A. FRENCH, a citizen of the United States, residing at Cranbury, in the county of Middlesex and State of New Jersey, have invented a new and useful Improvement in Cans for Coffee, Grain, &c., of which the following is a specification.

The invention is an improved device for preventing such perishable articles as coffee, grain, crackers, &c., from absorbing moisture and becoming damaged thereby; and it consists in the construction and novel combination of parts hereinafter described, illustrated in the accompanying drawings, and pointed out in the appended claim.

Figure 1 of the drawings represents a perspective view of a device embodying the invention. Fig. 2 is a central vertical section thereof, showing the interior arrangement of the device.

Referring to the drawings by letter, A designates a casing, preferably cylindrical, and provided at a suitable point with the transverse partition *a*, that divides it into an upper chamber B and a lower chamber C.

*b* is a hinged door upon the side of the upper chamber B, and *b'* is a partial partition therein, which inclines downward from front to back, having the open space *b<sup>2</sup>* between itself and the latter.

*b<sup>3</sup>* is a circular hinged door at the center of the top *b<sup>4</sup>* of the casing and opening into the chamber B.

*c* is a mica-covered space in the side of the lower chamber C, and *c'* is a series of draft-openings made in the sides thereof near the lower edge of the casing.

D is a lamp, having the oil-chamber *d*, which is preferably cylindrical and fits within the chamber C. The lamp is provided with a suitable number of burners *d'*, which project from its upper surface and are provided with the glass chimneys *d<sup>2</sup>*, which stand in the draft-tubes E, that are open at both ends and connect the partition *a* and the top *b<sup>4</sup>* of the casing A. The upper ends of said tubes are

preferably covered with the perforated plates *e*, to prevent anything from falling in the corresponding draft-tubes and breaking the lamp-chimney.

The coffee or crackers are poured through the doorway *b<sup>3</sup>* and fill the chamber B both below and above the inclined partition, which prevents the said material from running down too fast from above said partition and passing out of the doorway *b*.

When the coffee or crackers are in the upper compartment or chamber, they are kept dry and prevented from absorbing moisture by the heat radiated from the draft-tubes E, that extend through the chamber B, in which tubes the burners establish upward currents of air.

I am aware that canisters, coal-bins, and like receptacles having an inclined partition to convey the contents to the rear part of the bottom are not new. I am also aware that devices have been constructed for heating solid as well as liquid articles, in which the heating-compartment has been traversed by flues or pipes at the lower ends of which lamps have been arranged; but I am not aware that a storage and dispensing bin having a partition inclined from the front toward the rear side and traversed by the vertical heating-flues has been heretofore known or used.

Having described my invention, I claim—

A storage and dispensing bin having a supply-opening at the top, a delivery-door in front, an inclined partition extending from the front toward the rear side, and the vertical heating-flues traversing said bin and connecting the top and bottom thereof, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

STEPHEN A. FRENCH.

Witnesses:

NELSON F. CLAYTON,  
ABRAM VOORHEES.