

(No Model.)

C. NIELSEN.
COVER FOR COOKING VESSELS.

No. 411,830.

Patented Oct. 1, 1889.

Fig. 1.

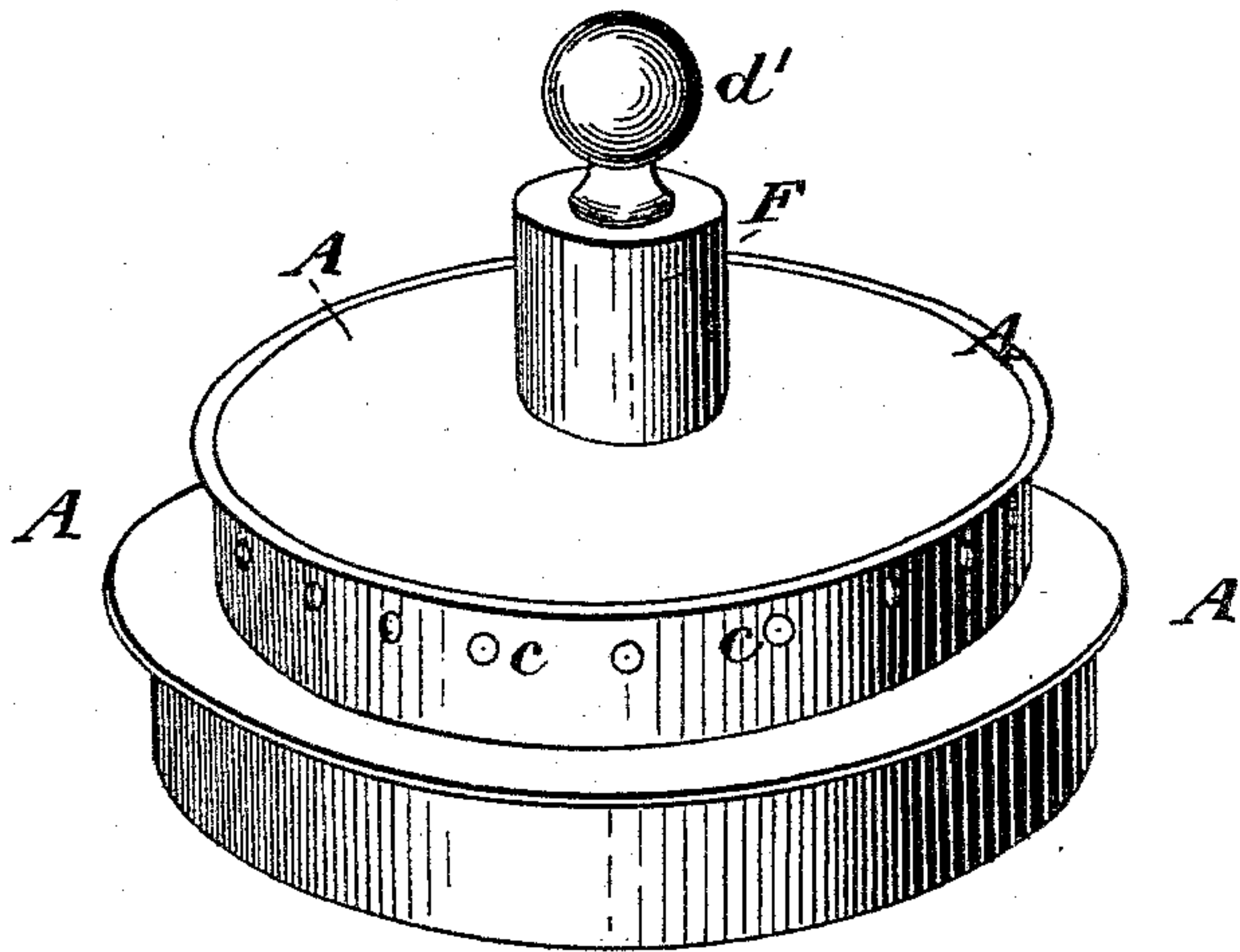
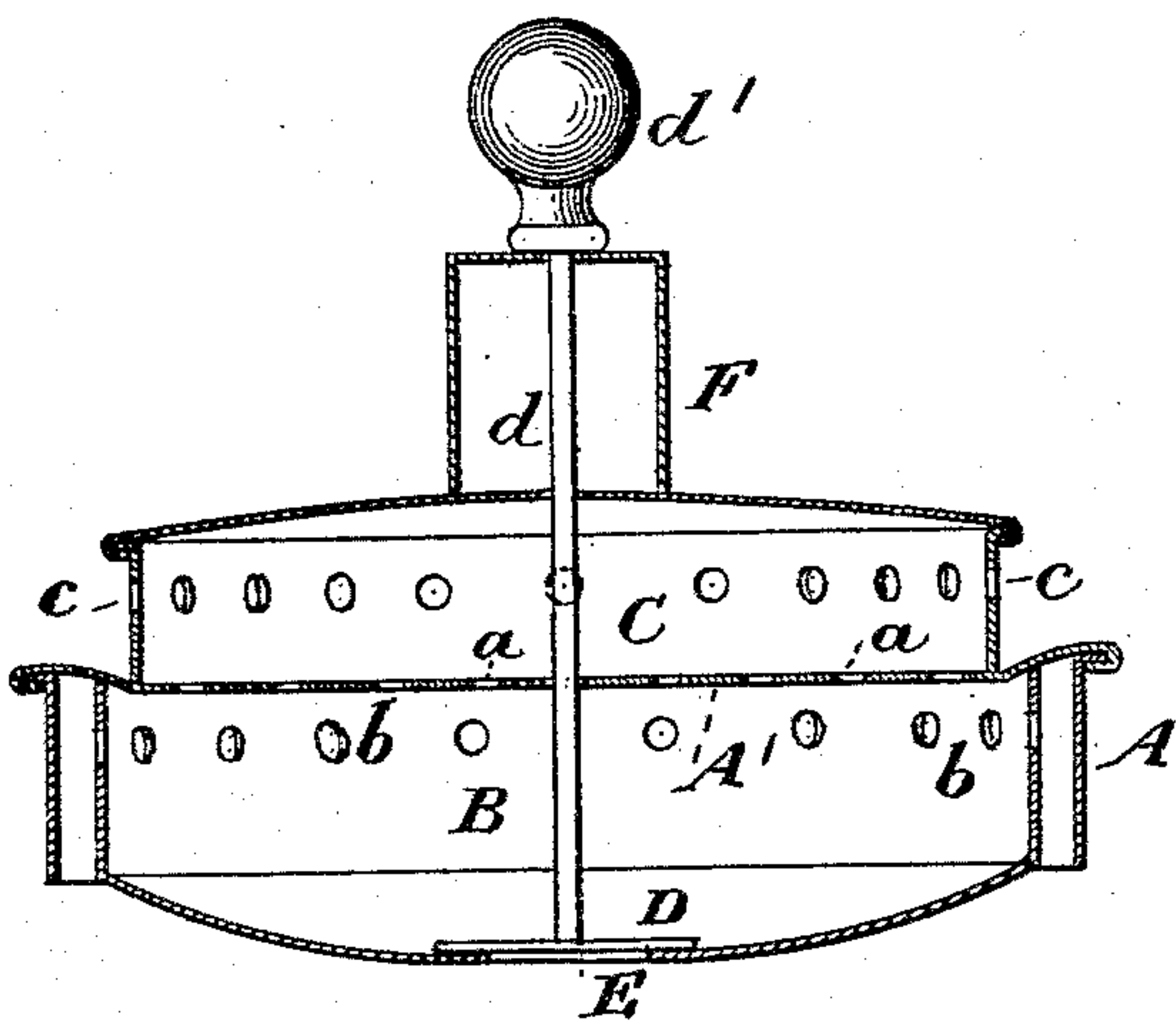
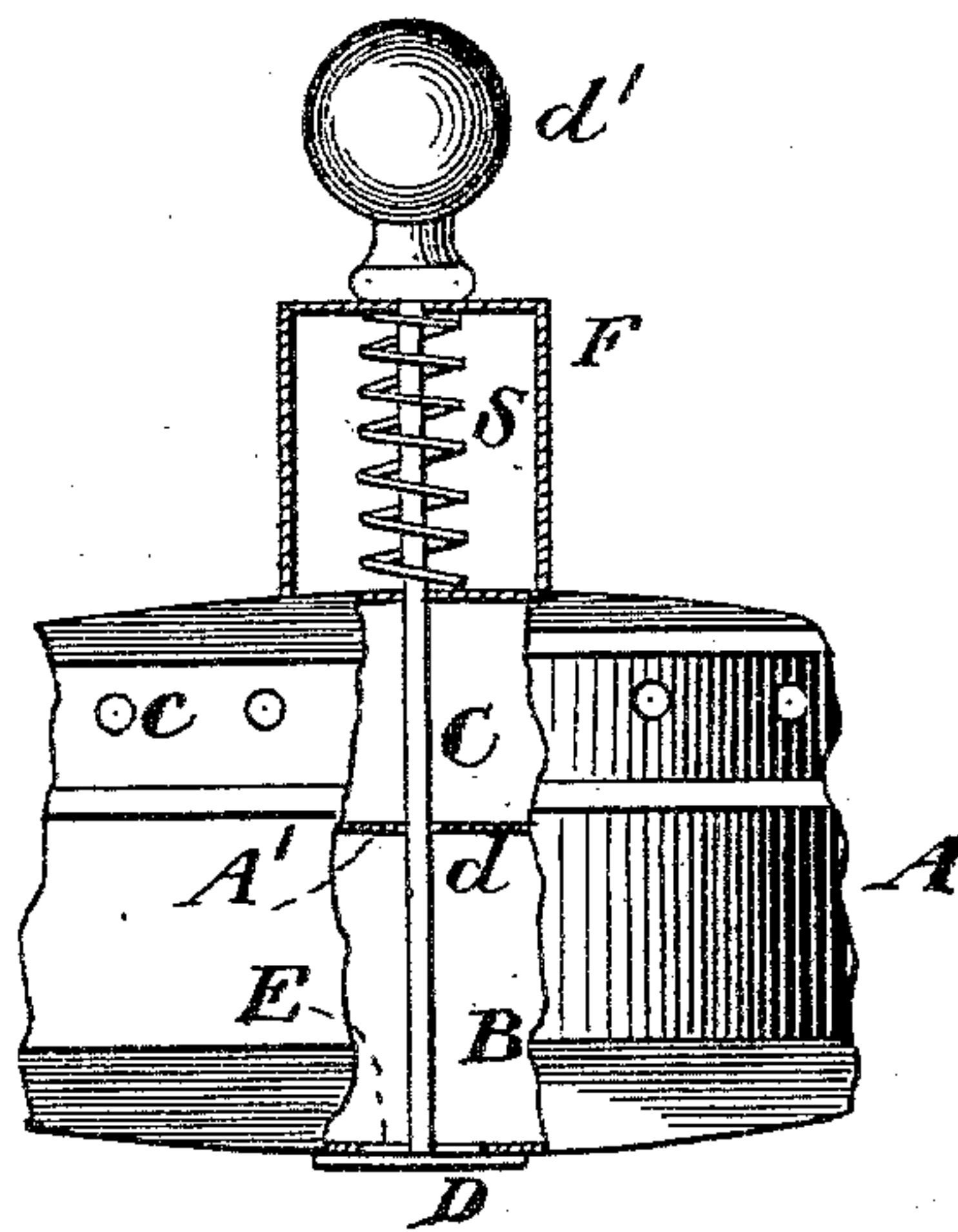


Fig. 2.



Witnesses.
A. Ruppert.
G. B. Towles.

Fig. 3.



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CHRISTIAN NIELSEN, OF ATLANTIC, IOWA.

COVER FOR COOKING-VESSELS.

SPECIFICATION forming part of Letters Patent No. 411,830, dated October 1, 1889.

Application filed June 28, 1889. Serial No. 315,866. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN NIELSEN, a citizen of the United States, residing at Atlantic, in the county of Cass and State of Iowa, have invented certain new and useful Improvements in Covers for Cooking-Vessels; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The special object of the invention is to prevent cooking-vessels from boiling over, and to effect this purpose I have constructed a cover, as hereinafter described.

Figure 1 of the drawings is a perspective view of my invention applied; Fig. 2, a diametrical vertical section; Fig. 3, a similar view of a slight modification.

In the drawings, A represents a boiler-cover divided by a horizontal perforated partition A' into an upper and lower compartment. The lower one B forms a chamber, into which the boiling water finds its way through the side holes B, instead of lifting the cover and boiling over, as is usual. The upper chamber C has a continual circulation of air through its side holes c, and this air passes into chamber B through the holes a in the partition, so as to quickly reduce the temperature of the incoming water below the boiling-point.

D is a valve, which covers the opening E in the middle of the downwardly-converging bottom. This valve has a perpendicular stem d, which passes through the top of cover and is surmounted by a knob or weight d', which serves to hold the valve down to its seat. The valve may, however, be placed under the hole E and be held up to it by a spiral spring S in the tower F and around the stem d. This spring may be so graduated in its tension as to yield to the weight of the water and let the valve open before the water reaches the holes b, so that the chamber B will be automatically filled and emptied. Where the spring is not employed the cook will be required once in a while to lift the valve and empty chamber B.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

A boiler-cover having a bottom apertured and downwardly inclining toward the middle, a valve to cover said aperture, a chamber B, perforated at the side to admit the boiling water, an upper chamber C, side-perforated to admit the air, and the perforated partition A' between said chambers, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

CHRISTIAN NIELSEN.

Witnesses:

B. O. BRUINGTON,
GEO. E. PENNELL.