

(No Model.)

2 Sheets—Sheet 1.

J. C. BEARD.  
ICE CREAM FREEZER.

No. 442,659.

Patented Dec. 16, 1890.

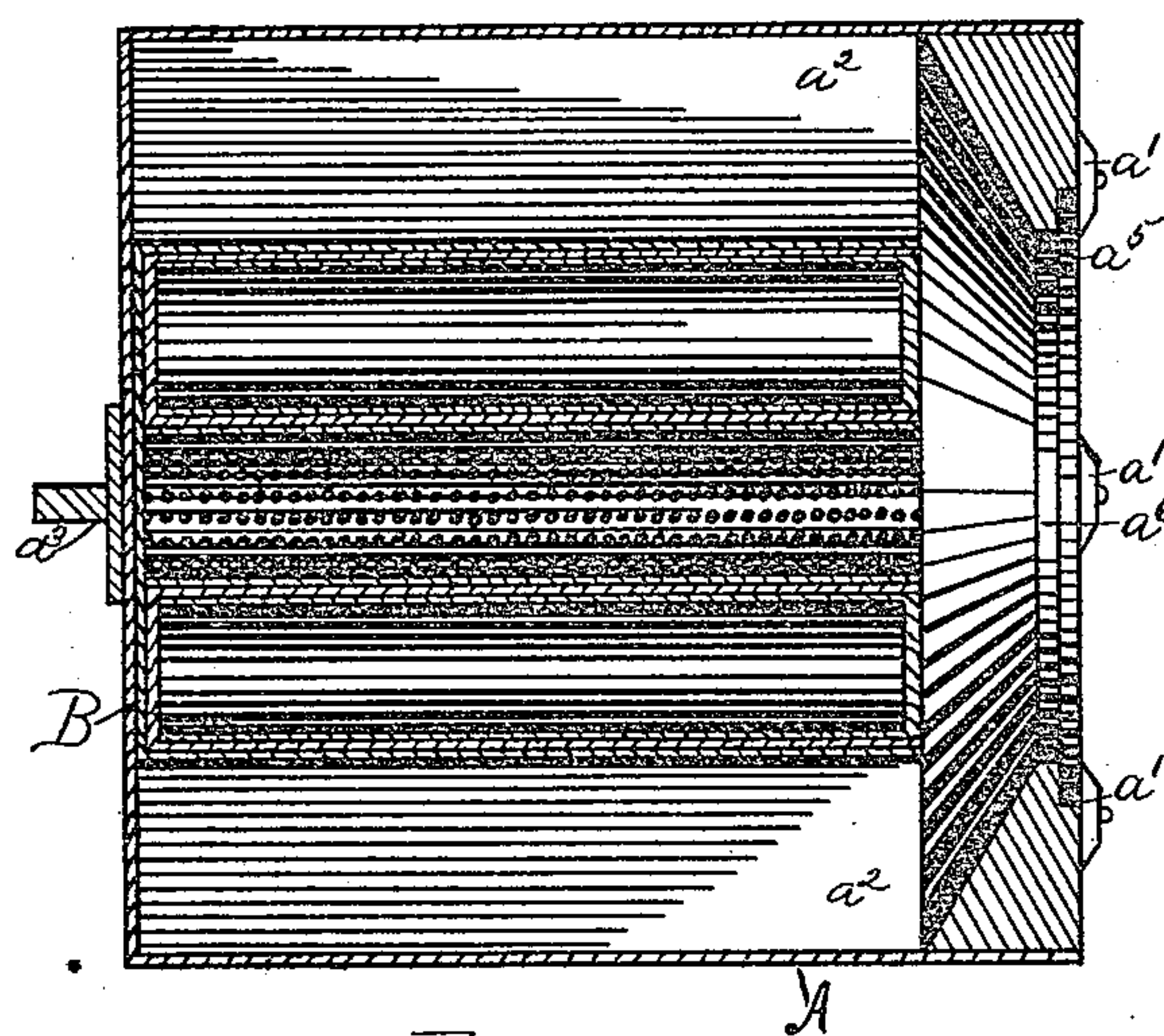


Fig. 2.

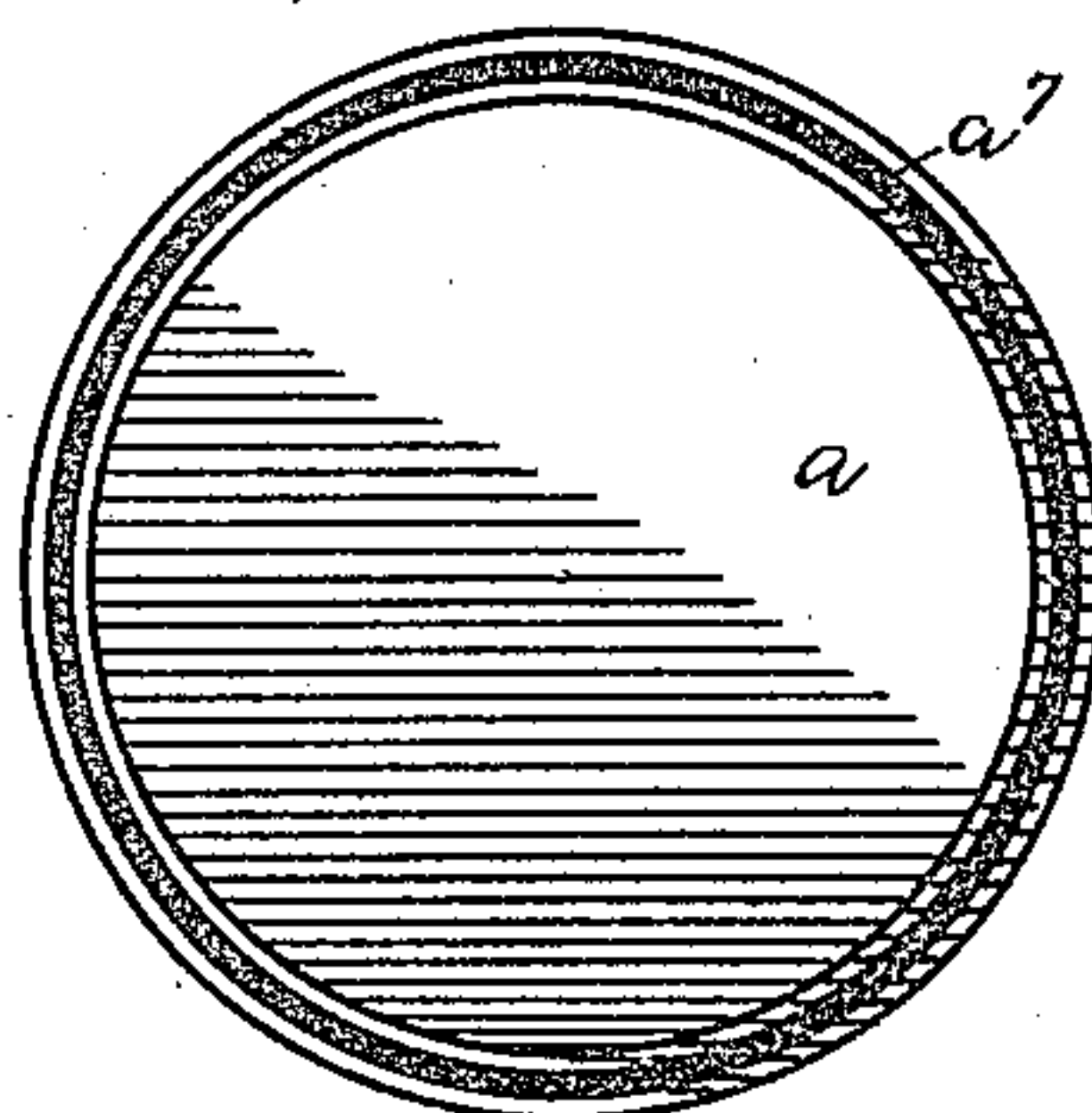


Fig. 3.

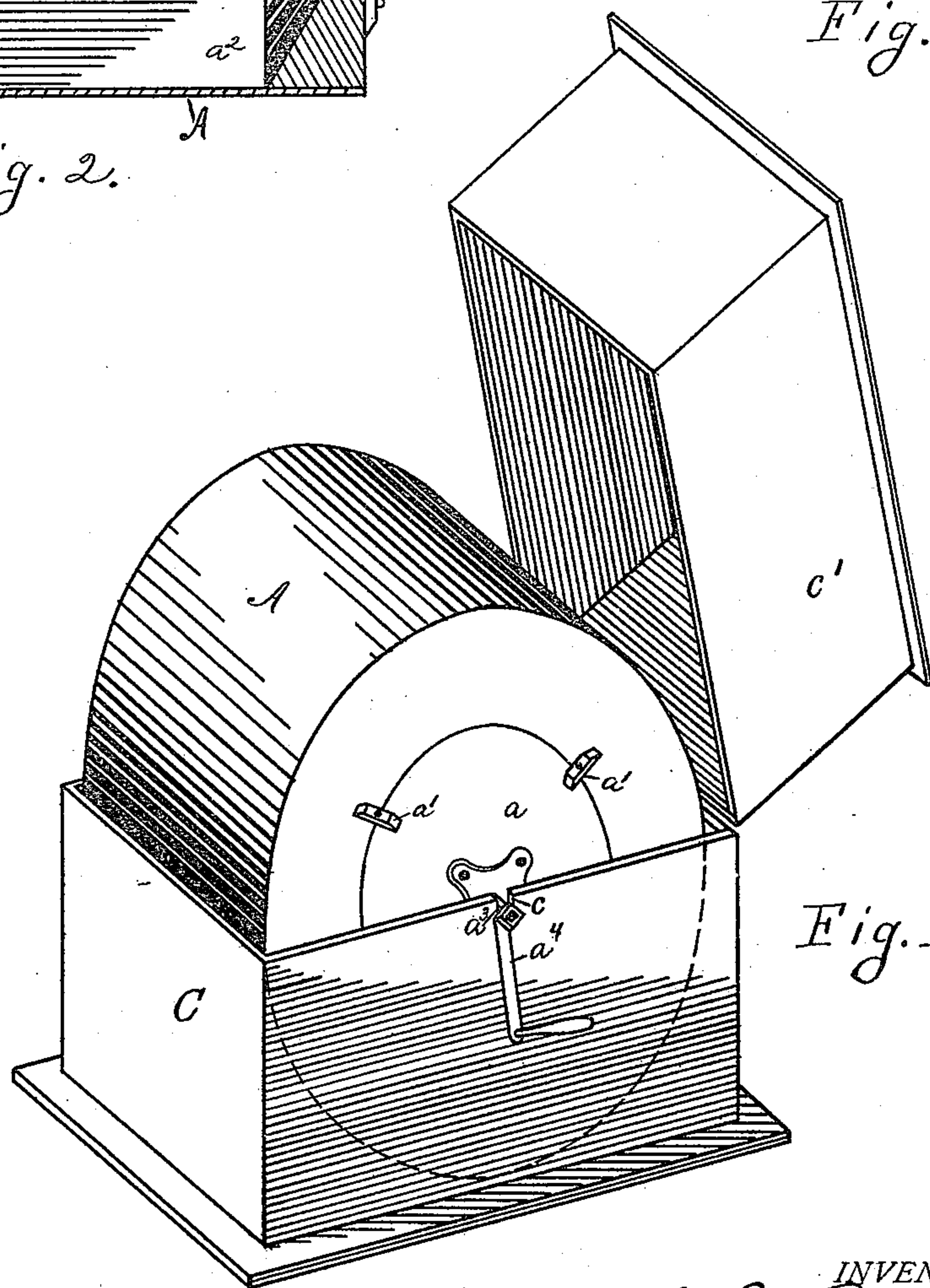


Fig. 1

WITNESSES,

A. E. Glascock,  
M. C. Lansdale.

INVENTOR.

J. C. Beard  
By J. S. Duffie  
ATTORNEY.

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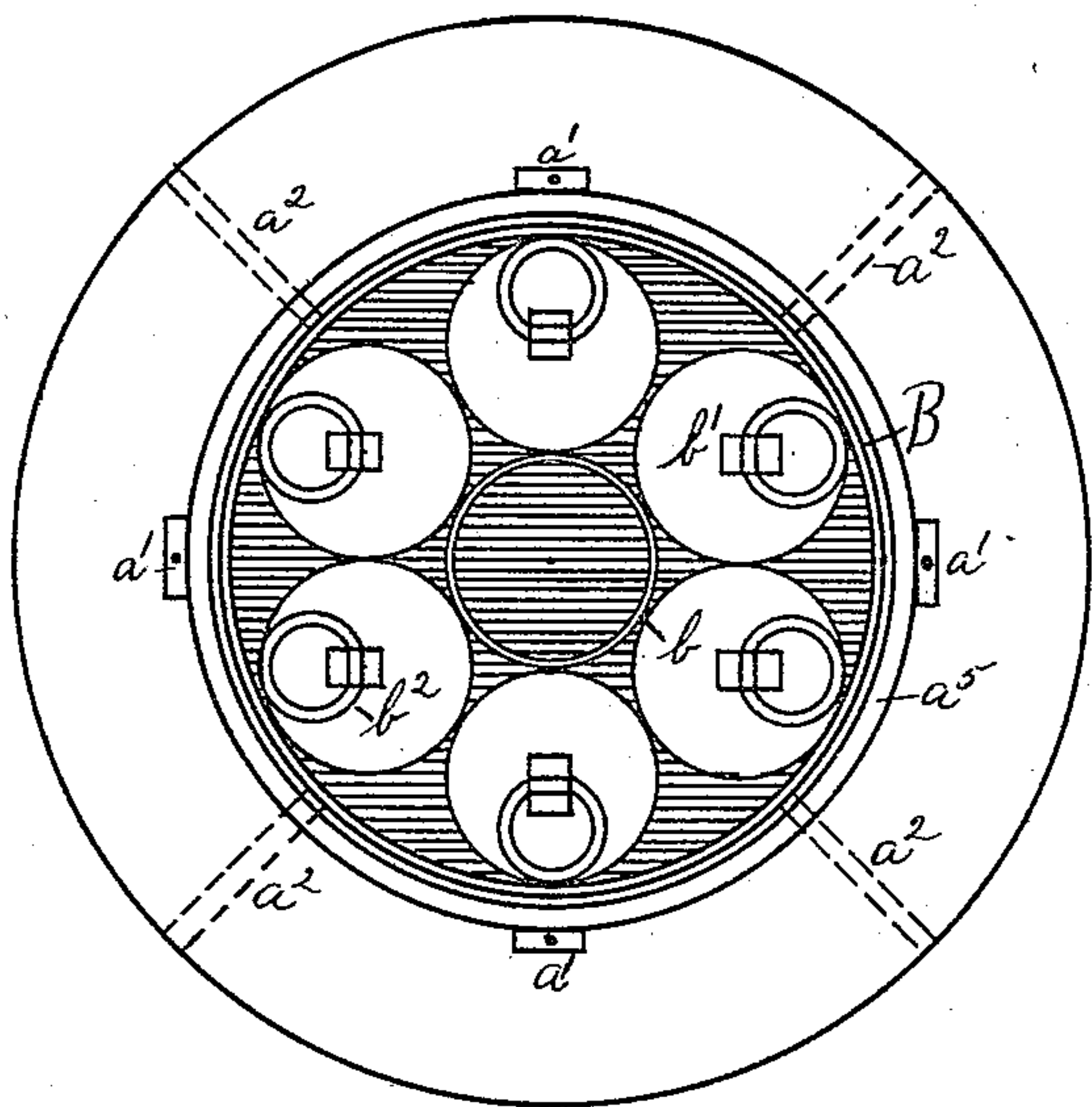


Fig. 4.

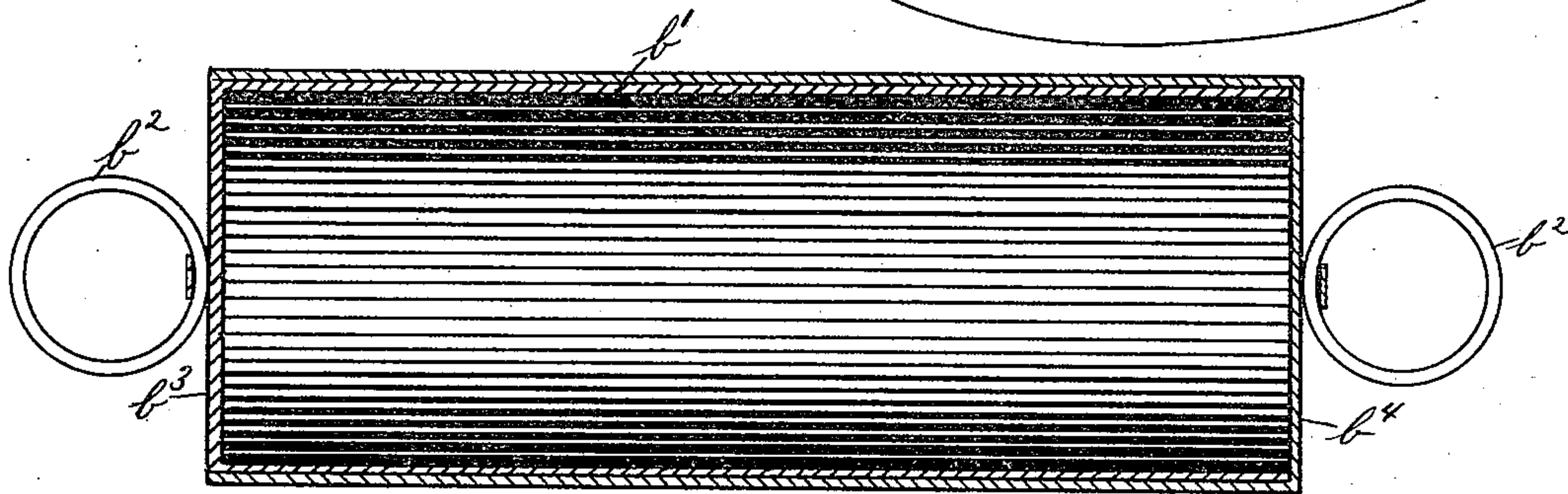
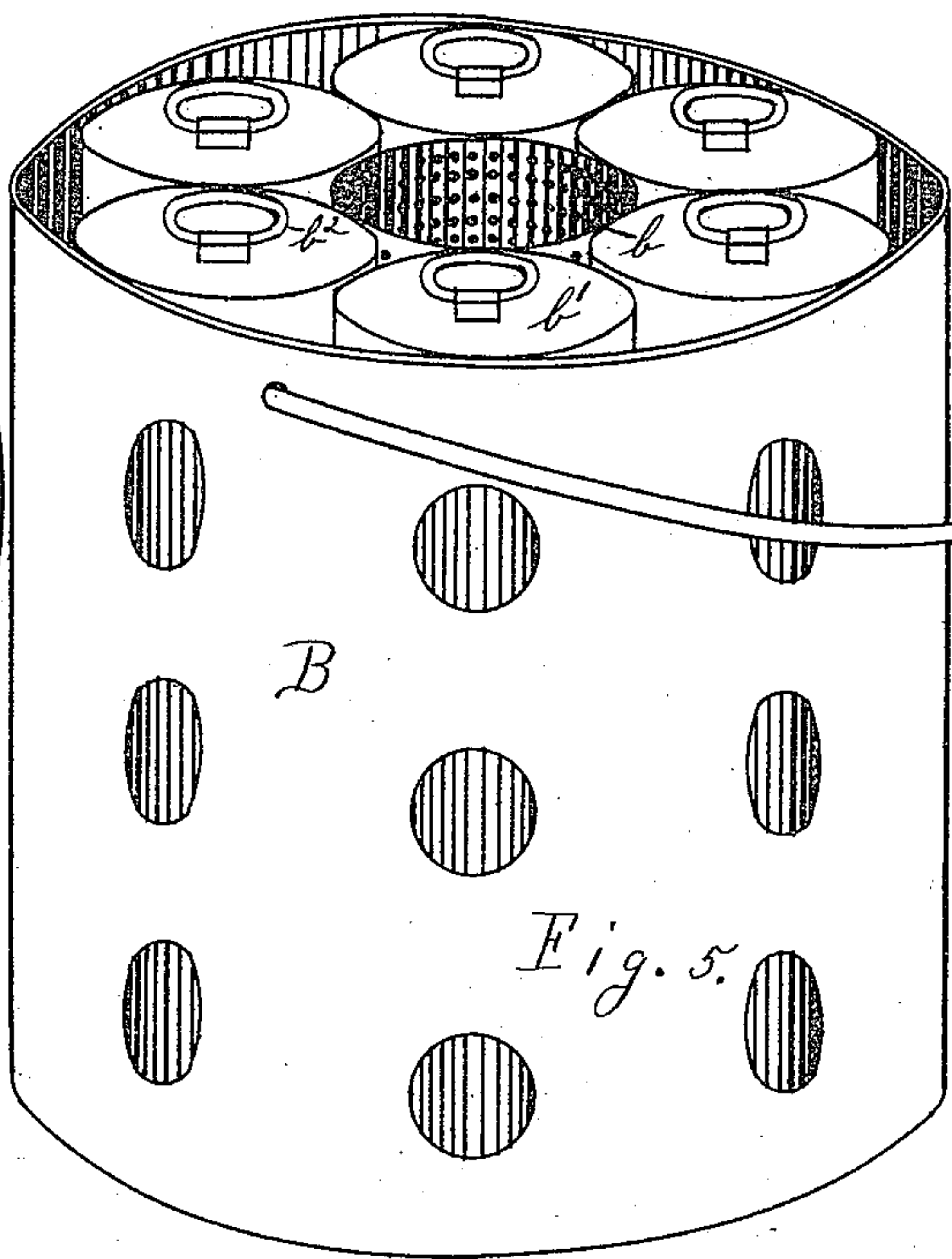


Fig. 6.

WITNESSES:

A. E. Glascock,  
M. E. Lansdale.

INVENTOR

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ATTORNEY.



# UNITED STATES PATENT OFFICE.

JOSEPH CICERO BEARD, OF MONROE, LOUISIANA.

## ICE-CREAM FREEZER.

SPECIFICATION forming part of Letters Patent No. 442,659, dated December 16, 1890.

Application filed July 26, 1890. Serial No. 360,033. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH CICERO BEARD, a citizen of the United States, residing at Monroe, in the parish of Ouachita and State of Louisiana, have invented certain new and useful Improvements in Ice-Machines; 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 ap-  
10 pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention has relation to freezers; and  
15 it consists in the novel construction and arrangement of its parts.

In the accompanying drawings, Figure 1 is a perspective view of my invention. Fig. 2 is a longitudinal sectional view of the cylinder. Fig. 3 is a face view of the detachable lid of the cylinder. Fig. 4 is an end view of the cylinder, the lid being detached. Fig. 5 is a perspective view of the perforated bucket containing the perforated cylinder *b* and cans  
25 *b'*. Fig. 6 is a longitudinal sectional view of a double can.

My invention is described as follows:

I have a cylinder *A* with a detachable lid *a*, and buttons *a'* to keep said lid in place, and on its inside are flanges *a<sup>2</sup>*. (See Figs. 2  
30 and 4.) Said lid is provided with an axle *a<sup>3</sup>*, on the outer end of which is fixed a crank-arm and crank *a<sup>4</sup>*. Said lid *a* fits tightly in a socket *a<sup>5</sup>* in the opening *a<sup>6</sup>* of the cylinder *A*.

Inside of cylinder *A*, and securely lodged between the flanges *a<sup>2</sup>*, is a perforated bucket *B*, in the center of which is an open-headed perforated cylinder *b*, and arranged around said cylinder in a circle are a number of dou-  
40 ble or single cans *b'*. Said bucket and contents can be slipped out of said cylinder *A* through the opening *a<sup>6</sup>* at will. Said double cans consist of two parts *b<sup>3</sup>* and *b<sup>4</sup>*, of equal length, the former fitting snugly in the latter, and each part has a ring *b<sup>2</sup>* attached to its  
45 head, so that they may be pulled apart. Lid *a* has around the edge of its inner face a strip of packing *a<sup>7</sup>* of rubber or cloth, so that said lid can be made to fit air-tight in the opening  
50 *a<sup>6</sup>*. On the closed head of cylinder *A* is an axle *a<sup>3</sup>*, (see Fig. 2,) that corresponds to the axle *a<sup>3</sup>* on the lid *a*. Cylinder *A* rotates on axles *a<sup>3</sup>* *a<sup>3</sup>* in a box *C*, provided with sockets *c* to receive said axles, said axles being held  
55 in said sockets by the top *c'*.

My invention is operated as follows: I put the ingredients to be frozen in the cans *b'* and put said cans in the perforated bucket, with the perforated open-headed cylinder in the center. Then I slip the bucket in be-  
60 tween the flanges *a<sup>2</sup>* in the cylinder *A*, then pour in the freezing-mixture, then fasten the lid by buttons *a'* tightly in the opening *a<sup>6</sup>*, then place the cylinder *A* in the box *C*, and rotate said cylinder by crank-arm and crank  
65 *a<sup>4</sup>*. When the cylinder *A* rotates, the freezing-mixture will flow through the perforations in the bucket *B* and through the perforations in the open-headed perforated cylinder *b* and will get all around the outside of the cans *b'* and  
70 will solidly freeze the contents of the same. When the freezing-mixture first reaches the cans *b'*, the outer side of the inner part and the inner side of the outer part will freeze  
75 together, thus preventing the freezing-mix- ing from getting to the contents of the cans. After the freezing is done I place the cans in water for a few seconds, and then the two parts will easily slip apart and the contents  
80 will slip out in solid rolls.

In this freezer I can freeze at the same time a number of different substances.

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

1. A freezer consisting of the cylinder *A*, having the flanges *a<sup>2</sup>* and opening *a<sup>6</sup>*, lid *a*, having the packing *a<sup>7</sup>*, perforated bucket *B*, perforated cylinder *b*, cans *b'*, having the two parts and each part provided with a ring *b<sup>2</sup>*,  
90 axle *a<sup>3</sup>*, buttons *a'*, crank-arm and crank *a<sup>4</sup>*, and box *C*, all substantially as shown and described, and for the purposes set forth.

2. A freezer consisting of the cylinder *A*, having the flanges *a<sup>2</sup>* and lid *a*, having the  
95 packing *a<sup>7</sup>*, perforated bucket *B*, fitting between the flanges *a<sup>2</sup>*, perforated cylinder *b*, and cans *b'*, fitting into said perforated bucket, said cylinder *A* being provided with axles and proper means for rotating said cylinder,  
100 substantially as shown and described.

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

JOSEPH CICERO BEARD.

Witnesses:

R. T. COLE,  
GUS H. WHITE.