

(No Model.)

E. BRIDGE.
BARREL COVER.

No. 355,374.

Patented Jan. 4, 1887.

Fig. 1.

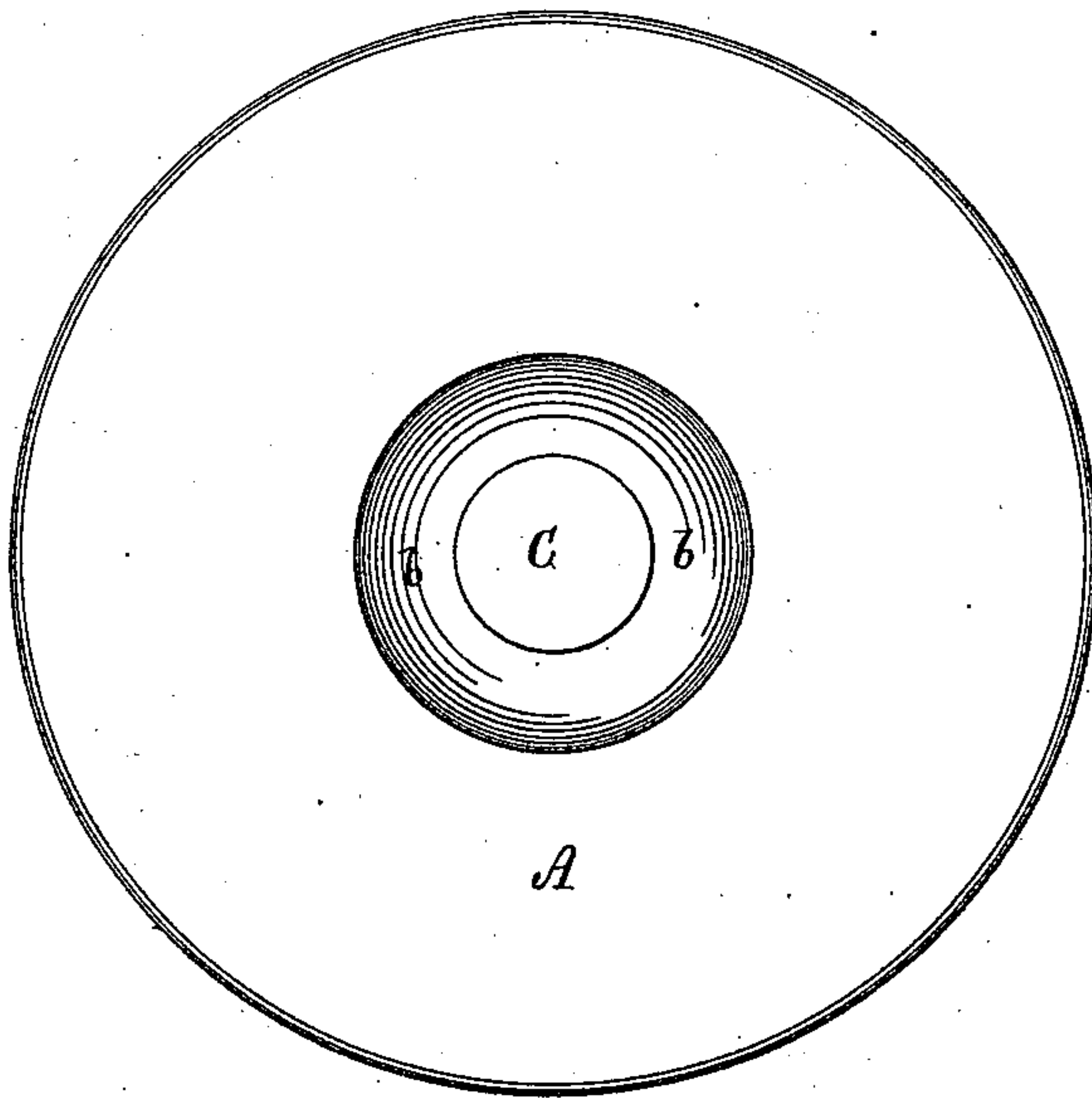


Fig. 2.

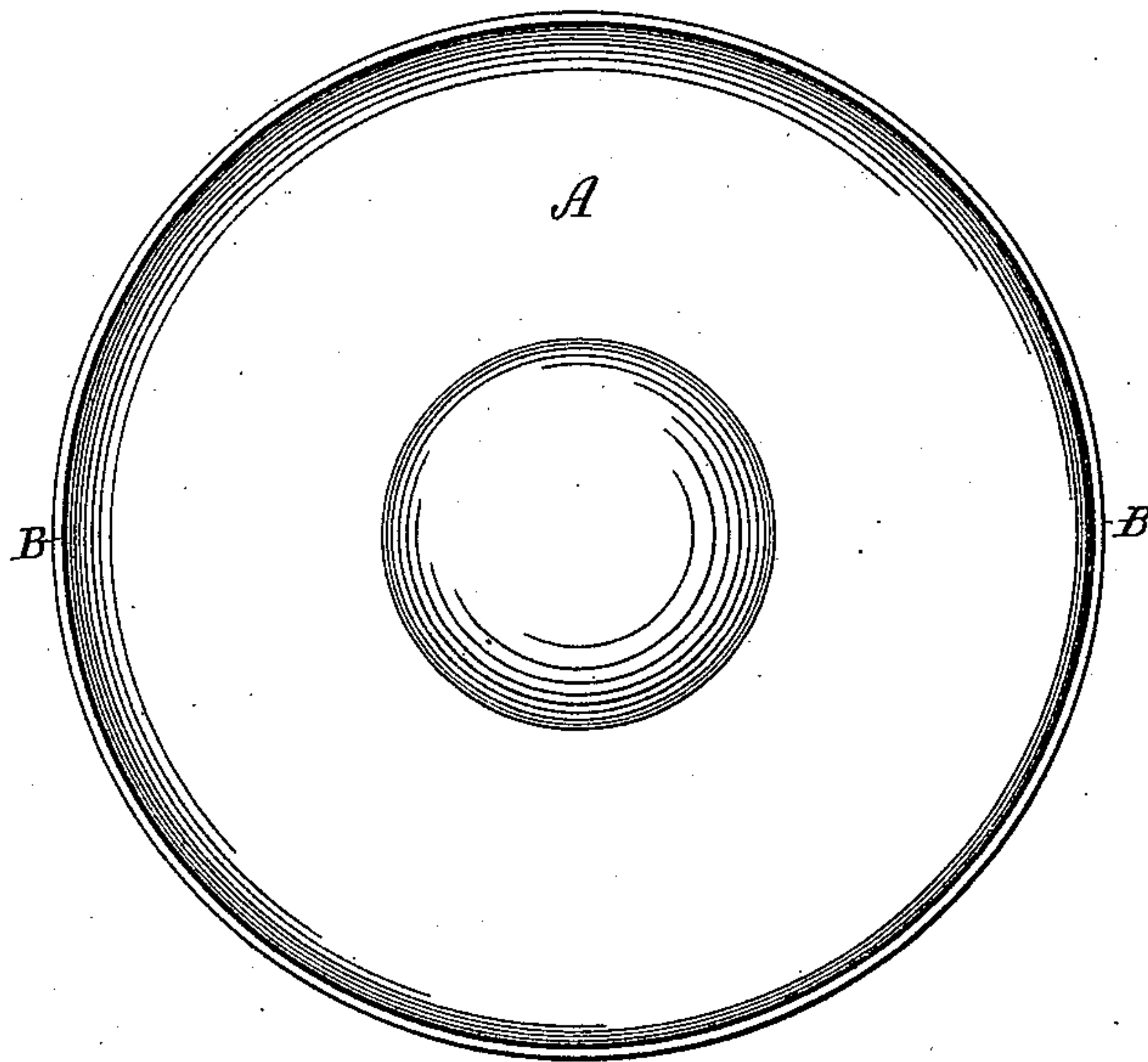


Fig. 3.

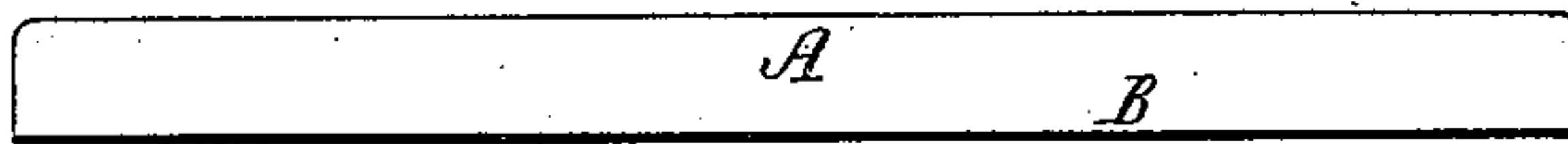


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

EPHRAIM BRIDGE, OF HAZARDVILLE, CONNECTICUT.

BARREL-COVER.

SPECIFICATION forming part of Letters Patent No. 355,374, dated January 4, 1887.

Application filed January 25, 1886. Serial No. 189,607. (No model.)

To all whom it may concern:

Be it known that I, EPHRAIM BRIDGE, of Hazardville, in the county of Hartford, of the State of Connecticut, have invented a new and
5 useful Improvement in Covers for Barrels, &c.; and I do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

10 Figure 1 is a top view, Fig. 2 a bottom view, Fig. 3 an edge elevation, and Fig. 4 a transverse and central section, of a barrel-cover of my invention, the nature of which is duly defined in the claims hereinafter presented.

15 The said cover is made or molded in one piece from pulp of rags, wood, or other proper material, it being in commerce generally termed "paper-pulp," or such as is employed in the manufacture of paper, pasteboard, or
20 "leather-board." It consists of a circular disk, A, having a flange, B, extending down from it at its circumference, the outer side of such flange being at or about at a right angle to the plane of the upper surface of the said
25 disk, while the inner side of the flange is curved transversely from the lower edge of the flange up to the disk in manner as represented at *a*. At the central part of the disk such
30 disk is depressed or made concavo-convex concentrically with the outer edge of the disk, and within the depression *b* is a handle or knob, C, whose upper surface is flush with that of the disk. The depression of the disk
35 extends below the annular surface *c*, which extends from such depression to the curve *a* of the flange.

The whole cover is represented as in one entire piece, formed of paper-pulp pressed into a suitable mold, and subsequently desiccated. It may be covered externally, or both
40 externally and internally, by paint or a water-proof coating, *d*.

I do not claim a barrel-cover constructed as represented in the United States Patent No.
45 241,075, which is a simple disk grooved circularly on its top as well as on its bottom, and having a circular plate fastened to it at the top to answer as a handle; nor do I claim the wooden head of a drum, as having in its top a

circular concavity and in such a knob or handle, as in the United State Patent No. 223,949, such wooden head having no concavo-convex depression, as does my improved cover; nor do I claim a barrel-head made of paper-pulp, as shown in the United States Patent No. 55 176,869.

In my cover the concave depression in the disk causes a circular protrusion of the cover from its lower side in concentricity with the rim or flange, and the latter is curved on its
60 inner side transversely thereof, in order to enable it to readily fit or adapt itself to the edge of the mouth of a barrel or vessel to which such cover may be applied, and, besides, the disk-handle and flange are integral or in one
65 piece. The concavo-convex depression of the disk serves not only to contain the handle, but to give strength to the cover. By having the flat annular space between the flange and the convexity of the cover such cover can be used
70 on the mouth of vessels having a diameter between that of the convexity and that of the flange. The curving of the flange on its inner side transversely thereof operates to greatly
75 strengthen the flange.

I claim—

1. As a new or improved manufacture, a cover, substantially as described, in one piece, molded from paper-pulp, and having at its central part a concavo-convex depression extending below the lower and upper flat surfaces of such cover, a handle within the depression, and a flange concentric with such depression and curved internally, as set forth,
80 all being as represented.

2. A cover, substantially as described, in one piece, molded from paper-pulp, and covered with a water-proof composition, and having at its central part a concavo-convex depression extending below the lower and upper
90 flat surfaces of such cover, a handle within the depression, and a flange concentric with such depression and curved internally, as set forth.

EPHRAIM BRIDGE.

Witnesses:

R. H. EDDY,
R. B. TORREY.