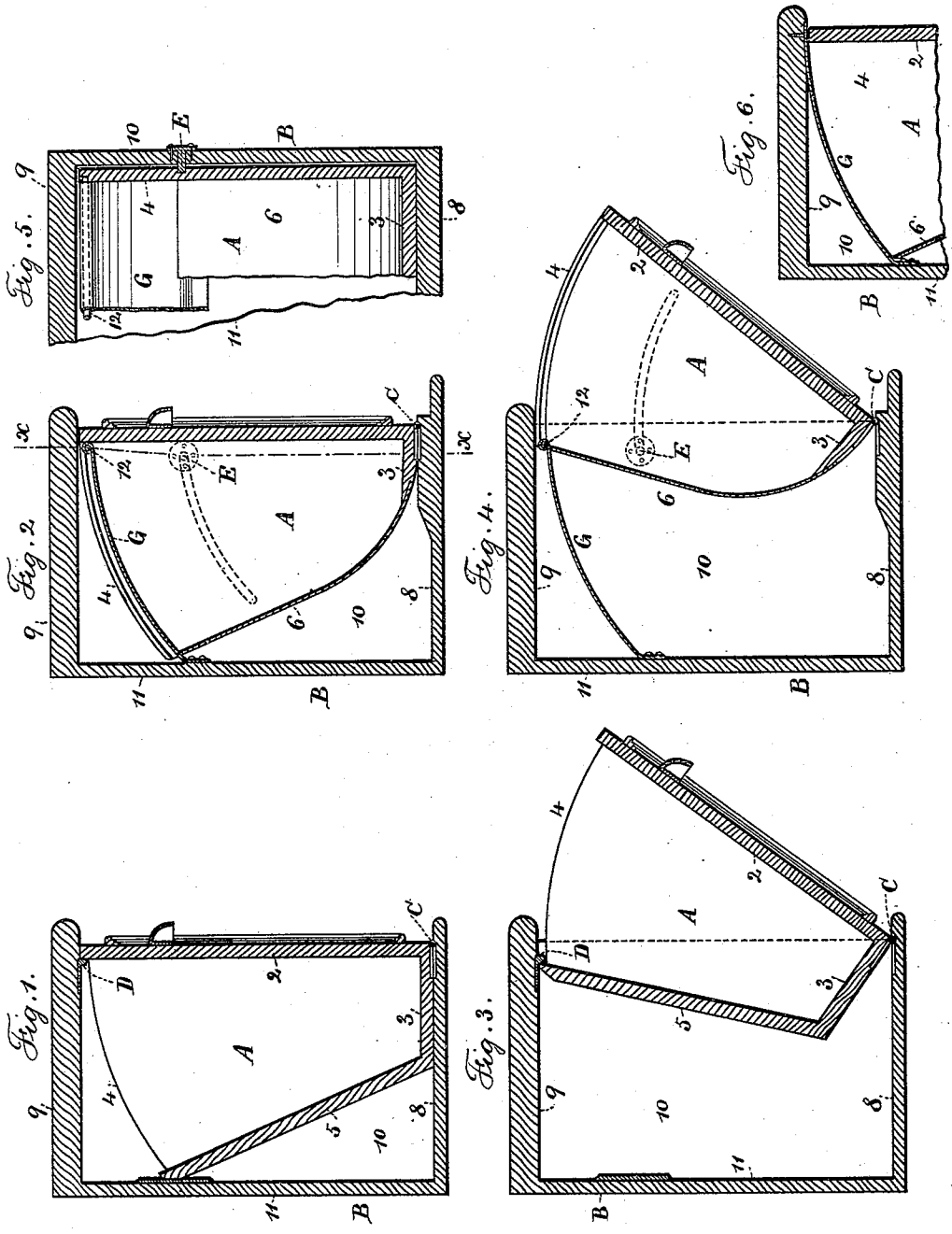
(No Model.)

B. R. BACON.

BIN OR HOLDER FOR COFFEE, &c.

No. 447,532. Patented Mar. 3, 1891.



Witnesses:
J. Stail
Chas. N. Smith

Inventor:
Byron R. Bacon.
per Lemuel W. Serrell atty.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

BYRON R. BACON, OF EAST ORANGE, NEW JERSEY, ASSIGNOR TO HIMSELF, AND THOMAS R. SULLY, OF BUFFALO, NEW YORK.

BIN OR HOLDER FOR COFFEE, &c.

SPECIFICATION forming part of Letters Patent No. 447,532, dated March 3, 1891.

Application filed August 20, 1890. Serial No. 362,476. (No model.)

To all whom it may concern:

Be it known that I, BYRON R. BACON, a citizen of the United States, residing at East Orange, in the county of Essex and State of New Jersey, have invented an Improvement in Bins or Holders for Coffee, Tea, and other Articles, of which the following is a specification.

Bins or holders for grain and other substances have been incased and pivoted, so as to be swung into or out of the case to give access to the open upper end of the bin, and the pivots have sometimes been at the sides and nearly in line with the center of gravity and sometimes near the middle or outer edge of the bottom. In these cases the weight may sometimes tend to close the bin back into its place when open or to partially open the bin after being swung back to place.

My improvements relate to the peculiarities of construction set forth hereinafter, whereby the bin will remain either open or shut, and when closed the weight of the bin and of its contents serves to keep the bin firmly closed against the case.

In the drawings, Figures 1 and 2 represent the bin as closed and Figs. 3 and 4 as open, each figure being a vertical section from front to back. Fig. 5 is a partial section at the line *x x*, Fig. 2; and Fig. 6 is a partial section showing a secondary cover to the bin.

The bin A is made with a front 2, bottom 3, sides 4, and a back. The back 5 in Figs. 1 and 3 is represented as of wood, and in Figs. 2, 4, and 6 the back 6 is represented as of sheet metal.

The inclosure or case B is made with a bottom 8, top 9, sides 10, and back 11, and the sizes of the parts are such that the bin A sits within the case B, and this case B may be extended so as to receive a number of bins, one above the other or side by side.

The pivots or hinges C, by which the bin is connected to the case, are at the bottom edge of the front 2, so as to connect the same directly to the bottom 8 of the case B, and the sides 4 of the bin are curved, as shown, or beveled to permit the bin to swing freely upon the hinges.

When closed, as in Fig. 1, the back surface of the bin-front is in contact with a stop D, so as to close the bin tightly within the case. When open, this stop D may also limit the movement, as seen in Fig. 3, by the back of the bin resting against the same.

I have shown in Figs. 2, 4, and 5 pins E passing through the sides 10 of the case into segmental slots in the sides 4 of the bin to limit the movement, and there is a secondary or auxiliary cover G of sheet metal, also represented within the case, and curved so as to set tightly upon the top of the swinging bin. This cover G is shown in Fig. 6 as fastened at both edges, and it may have a wire at 12, the ends of which pass into segmental grooves on the inner surfaces of the sides 4 of the bin, as seen in Figs. 2, 4, and 5.

If the bin were rectangular, the weight of material in the bottom of the bin might cause the bin to swing back automatically after having been opened. To prevent this the bin is made sufficiently narrow at the bottom by inclining the back or using a curved back for the center of gravity of the bin to come forward of the hinges when the bin is opened, as in Figs. 3 and 4, thereby causing the bin to remain open; but when closed the center of gravity is always to the rear of the hinges, and the weight keeps the bin tightly closed against the casing.

The inclosure or case may be of any desired character, or a supporting-frame may be used as the equivalent of a case.

I do not claim a receptacle that is hinged at the bottom of the front part and in which the front and back are parallel, or nearly so, as the bin will not remain open, because the weight is usually greatest behind the pivots.

I claim as my invention—

1. The combination, with an inclosing case, of a bin fitting within the case and narrower at the bottom than at the top, and pivots at the bottom edge of the front of the bin for connecting the same to the case, and a stop

to limit the movement of the bin as it is swung open, substantially as set forth.

2. The combination, with an inclosing case, of a bin fitting into such inclosing case, pivots at the bottom edge of the front of the bin, upon which said bin can be swung, and an auxiliary cover within the case, formed as a segment of a cylinder and corresponding to the upper edges of the sides of the bin, substantially as set forth.

Signed by me this 18th day of August, 1890.

BYRON R. BACON.

Witnesses:
GEO. T. PINCKNEY,
HAROLD SERRELL.