No. 798,351. PATENTED AUG. 29, 1905.

J. B. LA ROCK.

HAT BOX.

APPLICATION FILED DEC. 3, 1902.

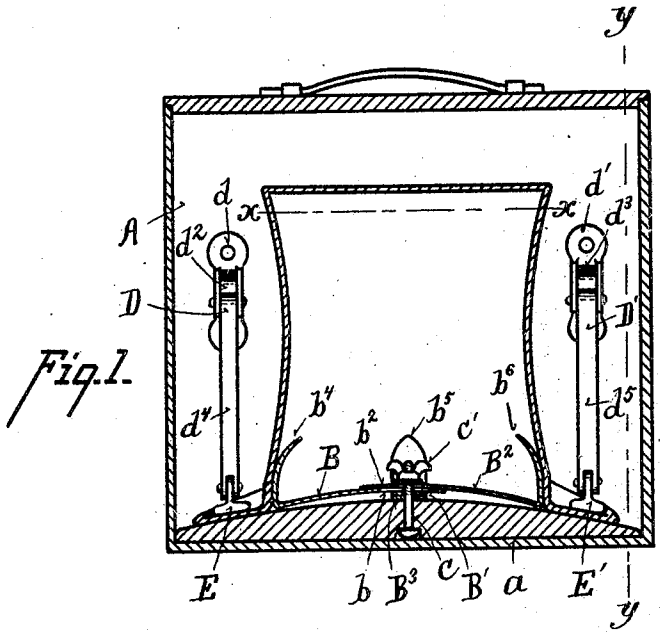


Fig. 1.

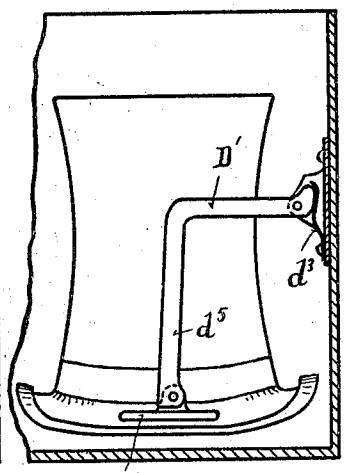


Fig. 3.

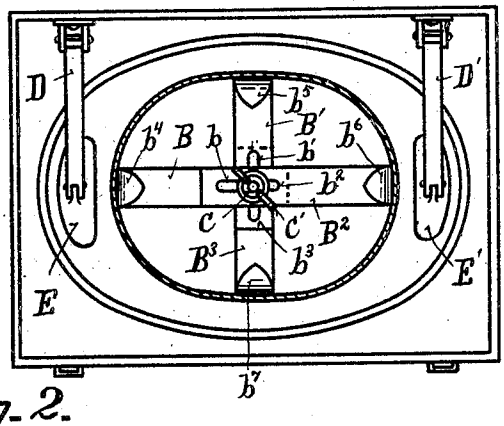


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

JOSEPH B. LA ROCK, OF BELLEVUE, KENTUCKY, ASSIGNOR TO N. DRUCKER AND COMPANY, A PARTNERSHIP COMPOSED OF NATHAN DRUCKER AND MORRIS N. DRUCKER, OF CINCINNATI, OHIO.

HAT-BOX.

No. 798,351. Specification of Letters Patent. Patented Aug. 29, 1905.

Application filed December 3, 1902. Serial No. 133,674.

To all whom it may concern:

Be it known that I, JOSEPH B. LA ROCK, a citizen of the United States of America, and a resident of Bellevue, county of Campbell, State of Kentucky, have invented certain new and useful Improvements in Hat-Boxes, of which the following is a specification.

My invention relates to hat-boxes, especially to those intended for the reception of silk hats. Its object is a box in which the hat may be held firmly in place, so that its crown does not come in contact with anything upon the interior of the box, even though it be subjected to shaking and jolting. I attain this object by the means illustrated in the accompanying drawings, in which—

Figure 1 is a vertical longitudinal sectional view of a hat-box embodying my invention, showing the hat in section in position therein. Fig. 2 is a horizontal sectional view of the same, taken upon line $x\ x$ of Fig. 1. Fig. 3 is a vertical sectional view of the same, taken upon line $y\ y$ of Fig. 1.

Referring to the parts, upon the bottom of box A are four radiating arms B, B′, B^2, and B^3, which have upon their inner ends radial closed slots b, b', b^2, and b^3, which engage a pin C, secured to the bottom a of the box. Pin C has a washer c to fit down upon the uppermost of the radial arms and a wing-nut c' to be brought down upon the washer to hold the arms in place after they have been adjusted to the position desired. Arms B...B^3 preferably are given a slight upward curve, so that when the wing-nut c' is brought down upon them they contact the bottom of the box more firmly. At their outer ends the radial arms are curved upward and inward, forming fingers b^4, b^5, b^6, and b^7. By loosening nut c' the radial arms may be adjusted inwardly or outwardly, so that their outer ends lie upon the periphery of the figure formed by the interior band of any hat. When the position for the hat which is to be placed in the box is obtained, the arms are secured in place by screwing wing-nut c' down upon them. The hat is then placed over the arms brim down, fingers b^4...b^7, pressing outward against the interior of the brim.

Upon the interior of the box above the front and rear of the rim of the hat are secured lugs d d', in which are journaled arms D D′, which at their inner ends are cam-shaped, the cam-shaped ends being engaged by springs d^2 d^3, which have a tendency to hold the arms either in their downward position or their extreme raised position. Arms D D′ are made in the shape of an angle, the downwardly-projecting arms d^4 d^5 of which have pivoted upon them a cushioned block E E′, whose lower face is curved in the shape of the brim of a hat and cushioned.

After a hat has been placed upon the bottom of the box with the spring-fingers b^4...b^7 engaging its interior, spring-arms D D′ are pushed downward, blocks E E′ thereby pressing downward upon the rim and holding the hat firmly in place upon the bottom of the box, so that it can move neither endwise nor sidewise.

What I claim is—

1. A hat-box having upon its bottom radial longitudinal and transverse sliding arms adapted to engage the interior of the hat and center it laterally and longitudinally, means for adjusting and locking said arms in position, arms pivoted upon the side walls of the box, provided with pads to engage and press upon the rim of the hat when lowered, and to be elevated out of the way when removing the hat, and springs adapted to hold said arms in contact with the hat-rim.

2. In a hat-box the combination of a central vertical pin upon the bottom of the box, radial arms having at their inner ends slots to engage the pin, a nut upon the pin to engage the arms to hold them in position to fit the interior of a hat, and arms journaled upon the interior side walls of the box to be brought down upon the rim of the hat, substantially as shown and described.

3. A hat-box having in its bottom a central vertical pin, radial arms having slots at their inner ends to engage the pin, and upturned fingers at their ends to engage the interior of a hat, means for adjusting the arms, and arms journaled upon the interior side walls of the box to bear down upon the rim of the hat and to be lifted out of the way to permit the removal of the hat, and springs adapted to hold said arms in either position.

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