Dec. 23, 1924. 1,520,527

L. C. BROOKS

CONTAINER

Filed Nov. 25, 1921

Fig. 1.

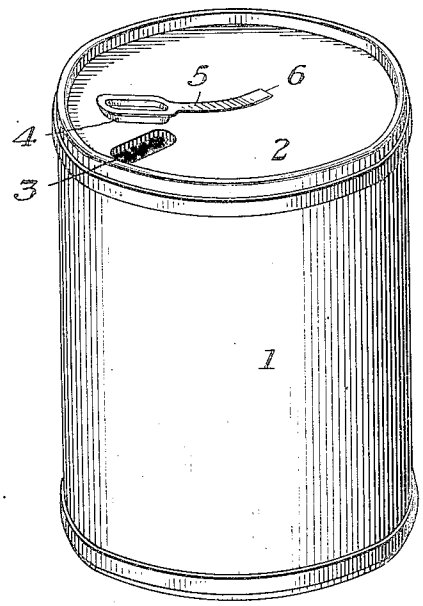


Fig. 2.

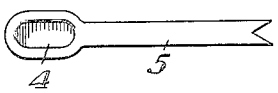


Fig. 3.



Fig. 4.

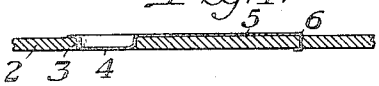


Fig. 5.

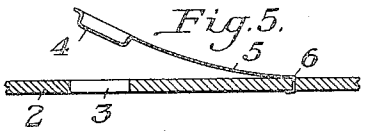


Fig. 6.

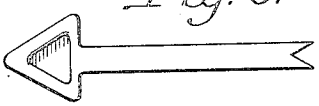


Fig. 7.

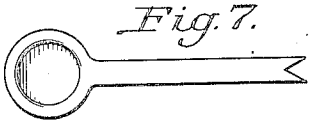


Fig. 8.

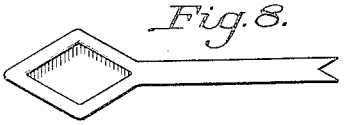
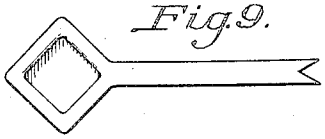


Fig. 9.



INVENTOR

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His Attorneys

Patented Dec. 23, 1924.

1,520,527

UNITED STATES PATENT OFFICE.

LEWIS C. BROOKS, OF MILWAUKEE, WISCONSIN, ASSIGNOR TO THE NATIONAL PAPER CAN COMPANY, OF MILWAUKEE, WISCONSIN, A CORPORATION OF WISCONSIN.

CONTAINER.

Application filed November 25, 1921. Serial No. 517,505.

To all whom it may concern:

Be it known that I, LEWIS C. BROOKS, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a new and useful Improvement in Containers, of which the following is a full, clear, and exact description.

The present invention relates to containers, and more particularly to a container having a pouring hole or nozzle. The object of the invention is to provide a closure for such pouring hole which will be held in position to be readily applied for closing the hole, and which is simple and can be made cheaply.

In the drawings which illustrate the preferred embodiment of the invention,—

Figure 1 is a perspective view of a container embodying the invention;

Figures 2 and 3 are top and side views, respectively, of the closure for the pouring hole;

Figures 4 and 5 are sections through the container lid showing the closure applied to close the hole and open it, respectively; and

Figures 6, 7, 8, and 9 are views showing modified forms of the closure.

Referring to the illustrated embodiment of the invention, the container 1 is adapted to contain materials which may be readily poured through a small hole, such, for example, as salt, sugar, coffee, or other free flowing material. It is desirable to keep such material free from moisture and to exclude air. In the top or lid 2 of the container is a pouring hole or nozzle 3, which is simply a hole punched through the lid. The container 1 and its top 2 are preferably made of paper, although other material may be used. As shown in Figure 1, this hole is an oval hole. The hole is closed by a closure comprising a friction plug 4 which fits into the hole 3 and an arm 5 for securing the plug to the container top. The closure piece is preferably formed of a single strip of sheet material, such, for example, as thin metal or paper, or any other suitable material. The plug 4 is formed by pressing the material of the strip. The free end of the arm 5 is secured at 6 to the container top. As shown in the illustrated embodiment of the invention, this end of the closure is put through the top and riveted over.

The plug closure is always held in position so that it may be easily applied to close the hole by simply pressing down on it. The closure forms a tight and substantially moisture proof seal. It is cheap to make and easy to apply, particularly to cans made of paper.

In Figures 1 to 5, the pouring hole 3 is shown as of generally oval shape, with the friction plug of corresponding shape. Other forms of hole and plug may be employed, such, for example, as the forms shown in Figures 6, 7, 8, and 9.

Figures 1 and 5 show the pouring strip 5 in its normal position when the can is open for pouring. It will be noted that the curvature of the strip 5 is sufficient to maintain the plug away from the hole so that the material may be readily poured without interference by the plug 4. When it is desired to close the container, the plug 4 is pressed down, at which time the connecting strip 5 automatically guides the plug into the hole, whereupon the frictional engagement of the plug with the edges of the pouring opening overcomes the resiliency of the connecting strip 5 and the container is maintained in a closed condition until it is desired to again remove material therefrom, at which time the friction plug may be readily removed, as for example, by inserting a finger nail under the flange thereof.

It is to be understood that the present invention is not limited to its illustrated embodiment, but may be otherwise embodied within the scope of the following claims.

I claim:

1. A container having a pouring hole, a plug for closing the hole, and a flexible strip secured to the container at a point spaced from the hole, the strip being adapted to hold the plug away from the hole when it is removed therefrom and to direct the plug toward the hole when the same is to be replaced, substantially as described.

2. A container having a pouring hole, and a closure for the hole comprising a strip of springy material secured to the container to one side of the hole and having its end extending over the hole and formed

as a plug therefor, the plug being adapted to be retained in the hole by friction and the strip being adapted to spring away from the hole and maintain the plug spaced therefrom when it is removed from the hole, substantially as described.

3. A container having a pouring hole, a closure for the hole comprising an integral strip of flexible material having one end passed through a container wall and bent over inside the wall to secure the strip in fixed position to the container, and having the other end formed as a friction plug for the hole, the strip being spring like and adapted to hold the plug spaced away from the hole when it is removed therefrom, substantially as described.

In testimony whereof I have hereunto set my hand.

LEWIS C. BROOKS.