

(No Model.)

V. B. NUCKOLS & P. L. RAMSEY.  
CUT-OFF.

No. 577,987.

Patented Mar. 2, 1897.

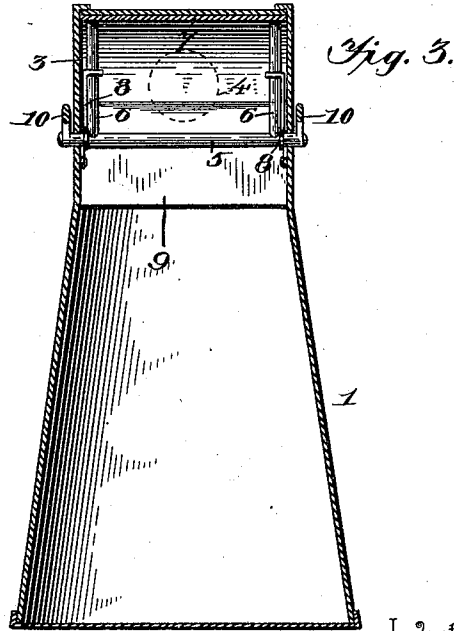
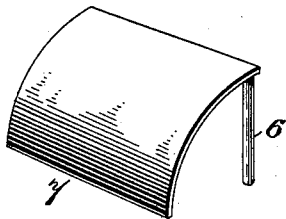
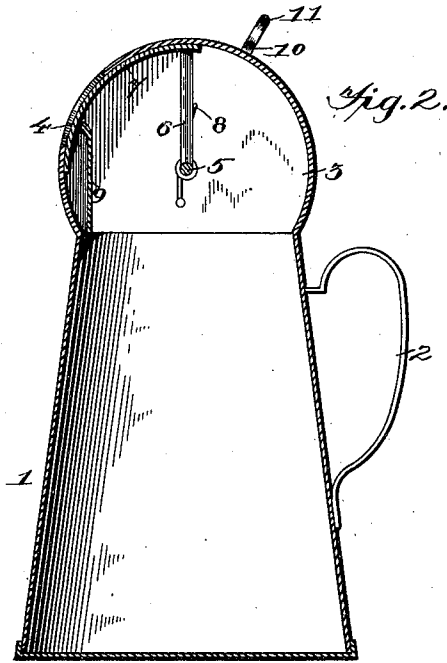
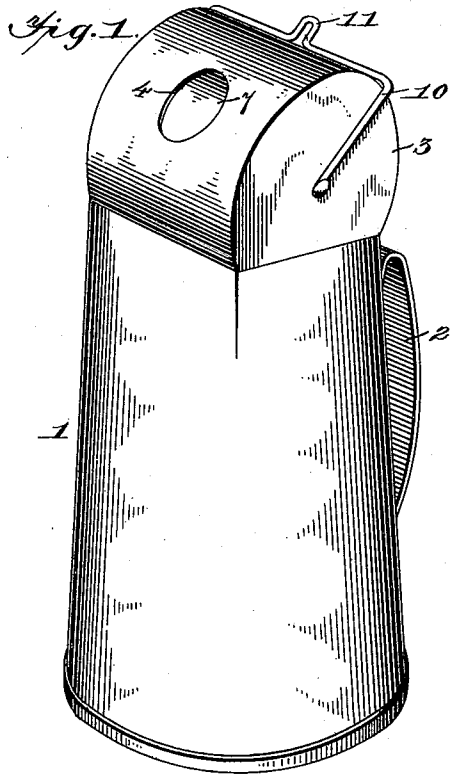


Fig. 4.

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# UNITED STATES PATENT OFFICE.

VIRGIL B. NUCKOLS AND PHILIP L. RAMSEY, OF ELKTON, KENTUCKY.

## CUT-OFF.

SPECIFICATION forming part of Letters Patent No. 577,987, dated March 2, 1897.

Application filed June 24, 1896. Serial No. 596,786. (No model.)

*To all whom it may concern:*

Be it known that we, VIRGIL B. NUCKOLS and PHILIP L. RAMSEY, citizens of the United States, residing at Elkton, in the county of Todd and State of Kentucky, have invented a new and useful Cut-Off for Molasses and Similar Holders, of which the following is a specification.

This invention relates to new and useful improvements in cut-offs for molasses and similar holders; and it has for its object to provide a device of this character which shall effectually cut off the flow of the molasses or other substance as the same is poured from the holder, and, further, to embody in the construction of the device simple and efficient means whereby the cut-off slide is maintained in a free condition, so as to be easily operated.

To this end the invention consists, substantially, in the construction, combination, and arrangement of parts, as will be hereinafter fully illustrated, described, and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a molasses or similar holder provided with a cut-off constructed in accordance with the present invention. Fig. 2 is a longitudinal sectional view thereof. Fig. 3 is a transverse sectional view of the same. Fig. 4 is a detail perspective view of the cut-off slide.

Similar numerals of reference indicate corresponding parts throughout the figures.

Referring to the drawings, 1 designates a molasses or similar holder, which may be of any approved construction and is provided with a handle 2 for carrying purposes.

At the top of the holder 1 a hood 3 is secured in any suitable manner, and the said hood, which may be of any desired material and shape, is preferably in the form of a truncated cylinder, an opening 4 being formed in one of its sides through which the molasses or other substance may pass when pouring the same from the holder 1. Arranged transversely within the hood 3 is a shaft 5, the ends of which are journaled in and extend through opposite sides of said hood, and projecting upwardly from said shaft, adjacent to each end thereof, are supporting-arms 6,

carrying at their upper ends a segmentally-curved cut-off slide 7. This slide normally lies over the opening 4 of the hood 3 and is designed to cut off the flow of the molasses or other substance as the same is poured from the holder 1 when it is desired to stop the flow of such.

Secured to the inner sides of the hood 3 and adjacent to the supporting-arms 6 are springs 8. The lower end of each of said springs is permanently attached to the lower part of the hood 3 and the body of the spring is coiled around the shaft 5, the upper ends extending along the arms 6 and each being bent at a right angle to the body, so as to press against said arms and by reason of the tension of the springs thereby retain the slide 7 in its normal position.

A spout 9 is also disposed in the hood 3 at the side in which the opening 4 is formed, and said spout extends in a substantially vertical plane, its upper end projecting a short distance above the lower side of said opening to permit the molasses or other substance readily passing therethrough when pouring the same, and being slightly bent to squarely meet the cut-off slide 7 as the latter descends to close the opening 4. It is to be noted that a small space is formed between the spout 9 and the side of the hood 3, and said space provides a pocket for the reception of the slide 7. It will therefore be seen that when said slide returns to its normal position after the flow of molasses or other substance has been cut off any of the same which remains on the slide will drain into the holder 1, the lower end of the spout 9 being fastened in a position to effect such a result, and also to guide the molasses or other substance to the opening 4 when it is desired to pour the same from said holder.

For operating the cut-off slide 7 in order to uncover the opening 4 a U-shaped yoke-lever 10 is employed. The lever 10 is arranged on the outside of the hood 3 and has each of its ends rigidly secured to the ends of the shaft 5, which extend through the sides of said hood, and the body of said lever is provided with a loop 11, upon which a finger or thumb

may be placed to manipulate the lever when it is desired to remove the slide 7 away from the opening 4.

The operation and advantages of the herein-described cut-off will be readily understood by those skilled in the art. In practice, when molasses or other similar substance has been placed in the holder 1 and it is desired to pour a portion of the same therefrom, the yoke-lever 10 is depressed toward the handle 2, by which operation the cut-off slide 7 is moved so as to uncover the opening 4. By tilting the holder 1 the contents thereof will pass through said opening, and in order to stop the flow of the same it is simply necessary to release the pressure upon the yoke-lever 10, when the slide 7, by reason of the springs 8 pressing against the supporting-arms 6, will immediately return to its normal position over the opening 4 and cut off the flow. Any of the molasses or other substance which may remain on the slide 7 will drain through the space formed between the spout 9 and the side of the hood 3 and return to the holder 1, thus leaving the slide free and clean.

From the foregoing it will be apparent that we have provided a cut-off which is simple in construction, easily manipulated, and adapted for use with any suitable holder of molasses and similar substances. The spring-actuated slide 7 will effectually cut off the flow of the contents from the holder, and by reason of the arrangement of the spout 9 with respect to the hood 3 any of the molasses or other substance which may remain upon the slide 7 after the flow thereof has been cut off will be returned to the holder, said slide remaining in a clean state, so as to be easily operated.

If so desired, the hood 3 may be detachably secured to the holder 1 in any suitable manner, and by this construction it will be seen that the cut-off may be applied to any ordinary cup and effectively used therewith, the necessity of any particular form of holder being thereby overcome.

Changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. In a cut-off of the class described, the combination of a vessel, a truncated cylindrical hood covering the top of the vessel and composed of straight sides and a curved top extending from one side of the vessel to the other and provided at one side with a liquid-discharge opening, a curved slide arranged within the hood, guided on the curved top thereof and provided with an exterior operating-handle, and a spout mounted within the hood adjacent to the discharge-opening, and arranged to cooperate with the curved slide

to cut off the flow of the liquid, substantially as described.

2. In a cut-off as described, the combination of the holder having a hood covering the top and provided with a single discharge-opening, a curved cut-off slide arranged within the hood and normally held in closed position and having hand-operated devices for swinging it to an open position, and a spout or guide member for leading the liquid to the discharge-opening, said spout having its upper end in close contact with one side of the curved cut-off slide, the latter being adapted to enter the space between the spout and the hood, substantially as shown and described.

3. In a cut-off of the class described, the combination, with a molasses or similar holder, of a hood applied thereto and provided with an opening for the passage of the contents of said holder, a spring-actuated slide disposed in said hood and adapted to cut off the flow of said contents through said opening, a spout also disposed in said hood and adapted to guide the contents to the opening thereof, said spout having its upper end extended above the lower edge of the discharge-opening and in close contact with the cut-off, and means for operating the slide, substantially as set forth.

4. In a cut-off of the class described, the combination, with a molasses or similar holder, of a hood applied thereto and provided with an opening for the passage of the contents of said holder, a shaft arranged within said hood, supporting-arms secured to said shaft, a slide carried by said supporting-arms and adapted to cut off the flow of the contents of the hood through the opening thereof, springs secured to the inner sides of said hood and adapted to normally hold said cut-off slide over said opening to close the same, and a lever secured to said shaft and adapted to operate the cut-off slide to uncover the opening of the hood, substantially as set forth.

5. In a cut-off of the class described, the combination, with a molasses or similar holder, of a hood applied thereto and provided with an opening for the passage of the contents of said holder, a shaft arranged within said hood, supporting-arms secured to said shaft, a cut-off slide carried by said supporting-arms and adapted to normally close the opening of the hood, springs secured to the inner sides of said hood and adapted to hold the cut-off slide in its normal position, a spout also secured within the hood and together with one side of the latter forming a pocket for the reception of the cut-off slide, and means for operating said cut-off slide, substantially as set forth.

6. In a cut-off of the class described, the combination, with a molasses or similar holder, of a hood applied thereto and provided with an opening for the passage of the contents of said holder, a shaft arranged within said hood

and having its ends extending through the  
sides thereof, a slide carried by said shaft  
and adapted to cut off the flow of said con-  
tents through the opening of the hood, and a  
5 U-shaped yoke-lever arranged on the outside  
of the hood and having its ends secured to  
the ends of the shaft and adapted to operate  
said shaft to uncover the opening in the hood,  
substantially as set forth.

In testimony that we claim the foregoing as 10  
our own we have hereto affixed our signatures  
in the presence of two witnesses.

VIRGIL B. NUCKOLS.  
PHILIP L. RAMSEY.

Witnesses:

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