Nov. 7, 1950 E. W. BARSZCZ 2,528,488

PAD DISPENSER

Filed June 20, 1947

FIG. 1

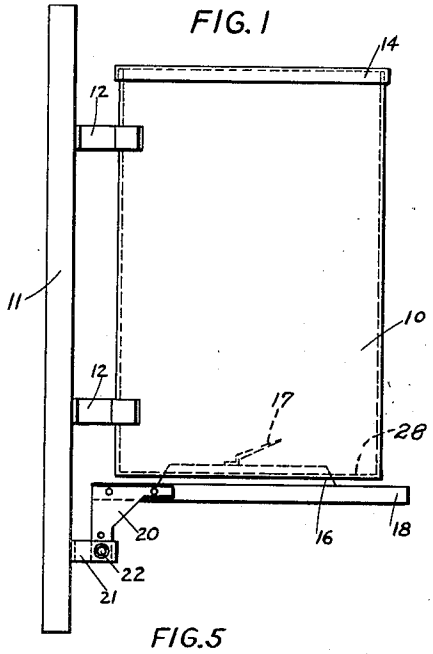


FIG. 2

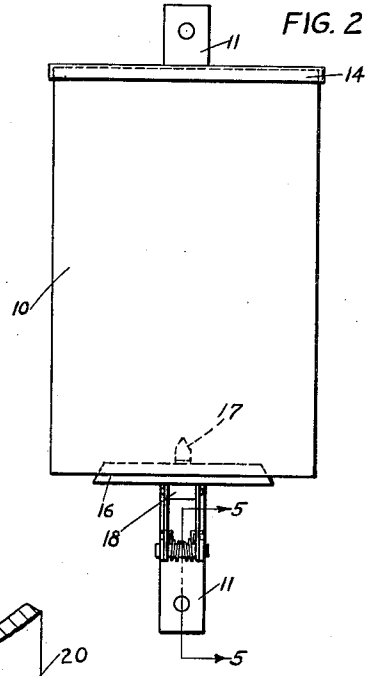


FIG. 5

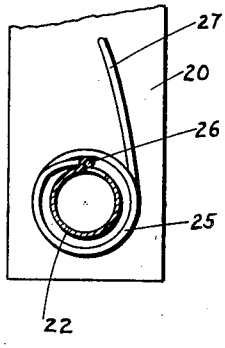


FIG. 3

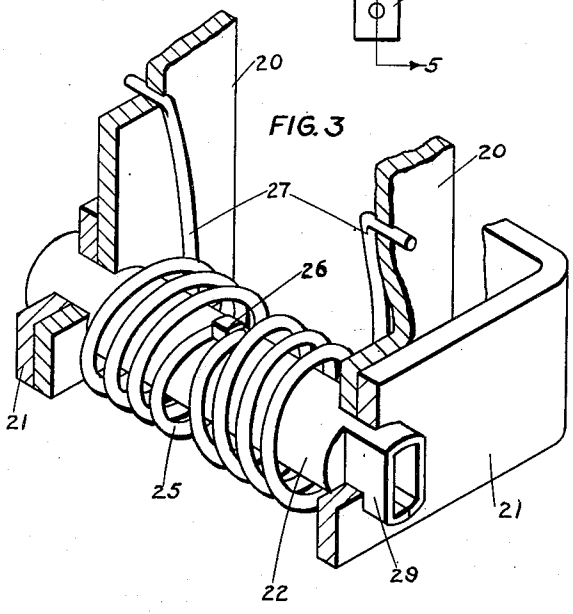
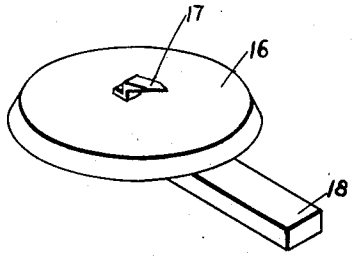


FIG. 4



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PAD DISPENSER

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2 Claims. (Cl. 312—51)

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This invention relates to a dispenser of cotton pads.

Cotton pads are required by the dairy worker and farmer for straining milk, cleaning milk cans, wiping cows, and other purposes. It is the principal object of this invention to provide a container for such pads, the container being so arranged that a pad is readily removable therefrom. To this end, the invention contemplates a cylindrical hopper for holding the pads, and a bottom plate that is operable by means of a spring-actuated lever to withdraw a single pad from the bottom of the container. While the invention is shown applied to a dispenser of cotton cleaning pads, it is obvious that it is equally applicable to dispensers of other articles.

The accompanying drawings illustrate a preferred embodiment of the invention. In these drawings:

Figure 1 is a side elevation of the new and improved dispenser.

Figure 2 is a front elevation thereof.

Figure 3 is an enlarged perspective of the spring means for actuating the lever.

Figure 4 is a perspective of the bottom plate of the dispenser.

Figure 5 is a vertical section of the lever spring, taken along the line 5—5 of Figure 2.

The dispensing device comprises a cylindrical hopper 10 that is open at the top and the bottom. The hopper 10 is fixed to a vertical bracket 11 by means of one or more horizontal supports 12. The cleaning pads or other articles to be dispensed are inserted into the hopper 10 through the top thereof, and subsequently the top is closed by a lid 14.

At the bottom of the hopper 10 is a movable bottom plate 16, which is of smaller diameter than the hopper 10. The top of the bottom plate 16 bears an upwardly and forwardly projecting tongue 17. The tongue 17 is adapted to at least partially pierce the lowermost pad in the hopper 10 when plate 16 is closed. The bottom plate 16 is secured to the upper surface of a lever 18, the rear of which is secured to an upper bifurcated hinge 20. A lower hinge 21 is adapted to cooperate with the upper hinge 20 by means of a hinge pin 22. The lower hinge 21 is secured to the vertical bracket 11. The bottom of the hopper 10 comprises an inwardly-directed annular flange 28 which provides a substantially large axial opening into which the plate 16 fits.

Means is provided for urging the upper hinge member 20 upwardly with respect to the lower hinge member 21. This means comprises a coil

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spring 25 anchored to a lug 26 on the hinge pin 22 and having its legs 27 bearing against the arms of the upper bifurcated hinge 20. The hinge pin 22 is secured against rotation with respect to the lower hinge 21, by splining one end 29 of the hinge pin 22 in the lower hinge 21.

The bracket 11 is mounted on a wall so as to attain a vertical position. The cleaning pads or similar articles are inserted into the hopper 10 by way of the top. The lid 14 will protect the contents of the hopper 10 from dust and vermin. To obtain a pad, the user depresses the lever 18, against the tension of the spring 25. The lever 18 and the bottom plate 16 will swing downwardly about the hinge pin 22 as an axis, so that the tongue 17 on the bottom plate 16 which is already engaged with the lowermost pad in the hopper 10 withdraws it from the bottom of the hopper 10. The flange 28 prevents the remaining pads from dropping out of the hopper when the plate 16 is open. To provide free play, the bottom plate 16 has beveled edges, as indicated in Figure 4 of the drawings.

The device may be constructed of light weight metal, plastic, wood, or other suitable material.

I claim:

1. A dispenser, comprising a hopper open at the bottom, a vertical bracket to which the hopper is attached, said hopper including a bottom annular flange defining a restricted axial opening, said flange being adapted to support a vertical stack of articles to be dispensed, a bottom plate, means hinging said bottom plate to said bracket for movement upwardly into an upward position closing said opening below said stack of articles, a spring for normally urging the bottom plate into said upward position, a lever attached to the bottom plate and operable to depress the bottom plate against the tension of said spring, an upwardly and forwardly-projecing tongue fixed to the upper surface of said bottom plate, said tongue being adapted to extend through said opening and at least partially pierce the lowermost article in said hopper when said bottom plate is in said upward position, and said tongue being adapted to withdraw said lowermost article from said hopper as said lever and bottom plate are depressed.

2. A dispenser for a stack of articles, comprising a hopper, said hopper having an open bottom, a closure for said open bottom, hinge means hingedly connecting said closure to said hopper for movement to and from open and closed positions, said closure including an inner surface, an inwardly-directed tongue fixed to

said inner surface and adapted to at least partially pierce an adjacent article of said stack when said closure is in said closed position, said tongue being adapted to withdraw said adjacent article through said open bottom when said closure is moved to said open position, said hopper including an integral inwardly-directed flange partially closing said open bottom, and said flange comprising means for retaining the remainder of said stack therein when said closure is moved to said open position.

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