May 21, 1929. C. A. REEDER 1,714,048

SAFETY BOTTLE HOLDER

Filed March 18, 1927

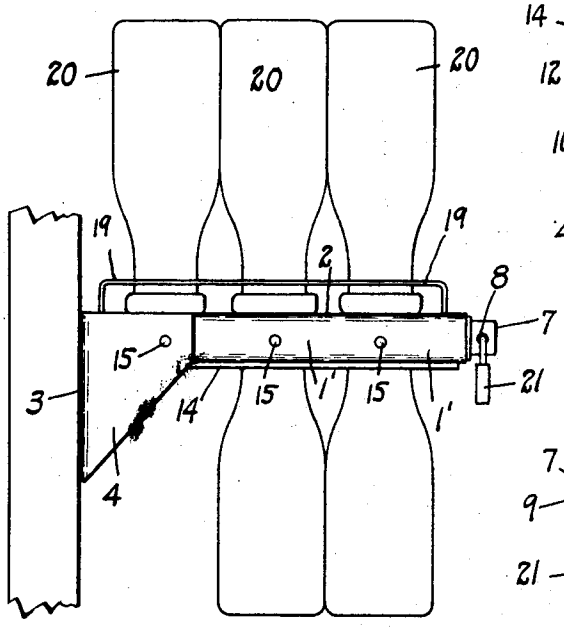


FIG. 1.

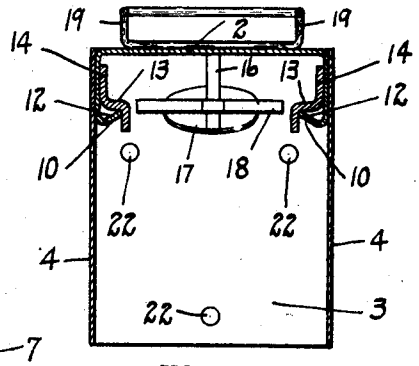


FIG. 5

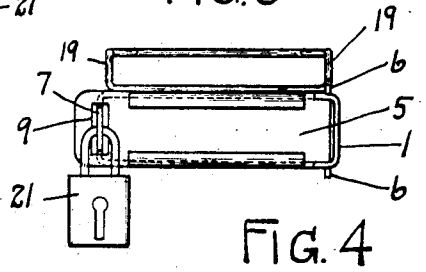


FIG. 4

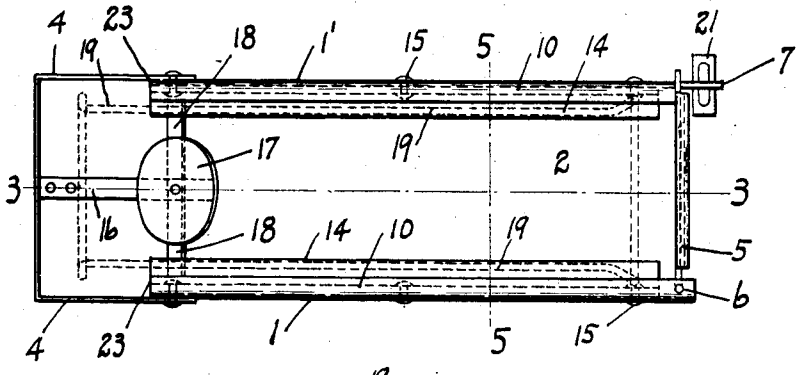


FIG. 2

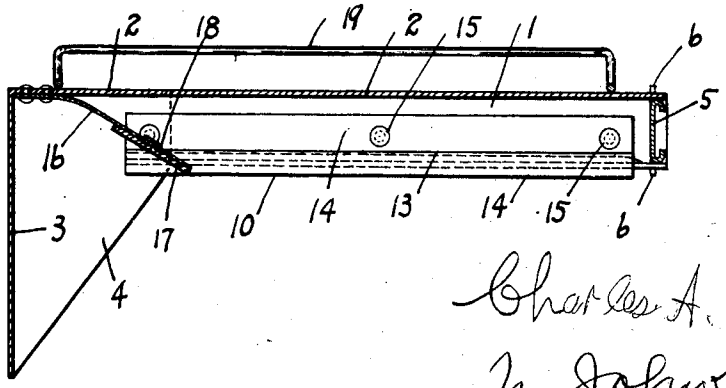


FIG. 3.

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Patented May 21, 1929. 1,714,048

UNITED STATES PATENT OFFICE.

CHARLES A. REEDER, OF CINCINNATI, OHIO.

SAFETY BOTTLE HOLDER.

Application filed March 18, 1927. Serial No. 176,505.

My invention relates more particularly to the holding of milk bottles, which are often stolen or broken in the usual way of delivery. For the purpose of the safe delivery of the milk bottle and its convenient and sure delivery, I have devised a device for such safe delivery of the full milk bottle and for the taking away of the empty bottles.

The device may be hung up in a basement, on a porch, on the wall or door, or any other suitable place.

It is very simple in construction, cheap of manufacture, and highly efficient in use. Its various features and advantages will readily become apparent from the following specification.

In the accompanying drawing, forming a part of this specification:

Fig. 1, is a side view showing the device in use,

Fig. 2, is a bottom view,

Fig. 3, is a sectional view, taken on the line 3—3 of Fig. 2,

Fig. 4, is an end elevation, and

Fig. 5, is a sectional view, taken on the line 5—5 of Fig. 2.

I will now describe my bottle holder and refer to the drawings, in which it is shown that the holder is including a body part, formed of sides 1, 1′, a top 2, and a back plate 3, having bracketed sides 4, 4, secured together in any desired manner.

At the forward end of the body part, I provide a hinged gate 5 which swings in and out at pivot points 6, 6, which pass through one end of the side 1, and at the forward end of the other side 1′, I provide an extension 7, having an opening 8. One end of the gate 5 has an opening 9 to receive the extension 7 so that the gate may be locked, as shown in Fig. 4.

The sides 1 and 1′ are turned up at their edges 10 so as to form guides 12 which support seat portions 13 provided by yielding fabric strips 14 connected to the sides 1 and 1′ by rivet connections 15.

To the under side of the top 2, I secure a spring 16 having at its forward end a disc 17 and provide cross springs 18, which extend outwardly from the disc 17.

On the top 2, I provide springs 19, 19, which hold the empty bottles 20, and said empty bottles are inserted between the springs, head down, as shown in Fig. 1.

In order to place a full milk bottle in the device, the top of the bottle is forced upwardly against the disc 17 and disc spring 18, causing the spring 16, to become flattened or straightened out, which will allow the bottle to be pushed forward and allow said bottle to become suspended on seats 13, and the bottles can be pushed forward as shown in Fig. 1.

As soon as the bottle is pushed over spring 18 and disc 17, the spring 16 and disc 17 will spring back into normal position and the bottles will be locked or held against removal, except by unlocking the padlock 21 and opening the gate 5.

Holes as 22 are provided for suspending the box in some appropriate and desirable place and position.

The yielding strips 14 keep the bottles from becoming broken. I may use any other cushioning means, if I desire to do so.

I may change the shape and contour of the device, if I desire.

While I have described one specific form of carrying my invention into effect, I may change and modify the same to some extent without departing from the spirit of the invention, and I wish to be understood as claiming all such changes and modifications which fall within the scope of this specification and claims.

What I claim as new and my invention and desire to secure by Letters Patent is:

1. In a safety bottle holder the combination of a support bracket comprising a depending rear wall and side walls, a bottle supporting means comprising inturned flanges extending at an angle from said side walls and terminating adjacent thereto to provide a bottle receiving opening and a resiliently mounted stop carried by the bottle support and disposed in the receiving opening, the support bracket and resilient stop being so related to the receiving opening as to preclude access to the stop for holding it in an inoperative position when a bottle in the support means is moved adjacent thereto.

2. In combination a mounting support

bracket comprising depending rear and side walls, a bottle support comprising a closed top and inwardly depending flanges disposed in an angle to the bracket and forming a receiving opening within the bracket, a spring mounted on the underside of said top at the receiving opening, a disk yieldably closing the support means against withdrawal of the bottle through the receiving opening and a transverse strip on the disk.

In testimony whereof, I affix my signature at the city of Cincinnati, county of Hamilton and State of Ohio, this 28th day of February, 1927.

CHARLES A. REEDER.