Jan. 13, 1942. E. A. SCHAYOT ET AL 2,269,830

CAN CLOSURE

Filed May 2, 1939 4 Sheets-Sheet 1

Fig. 1.

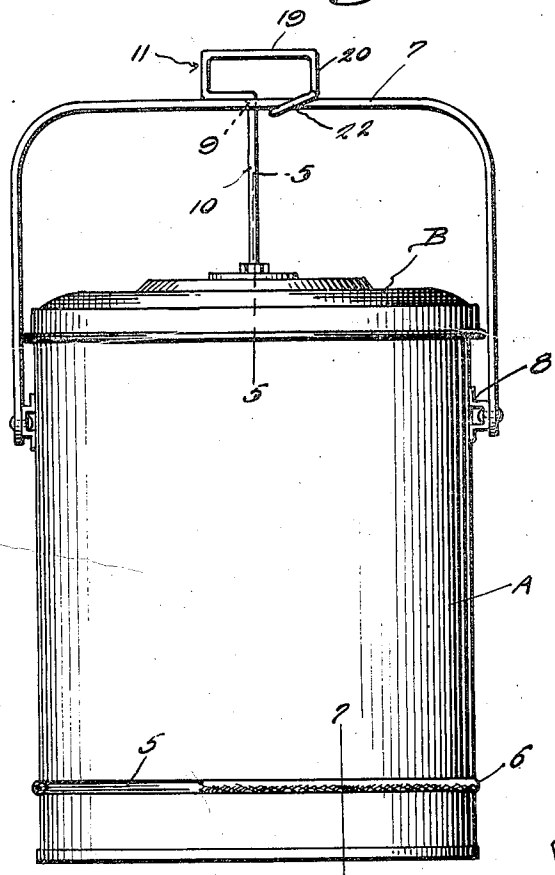


Fig. 6.

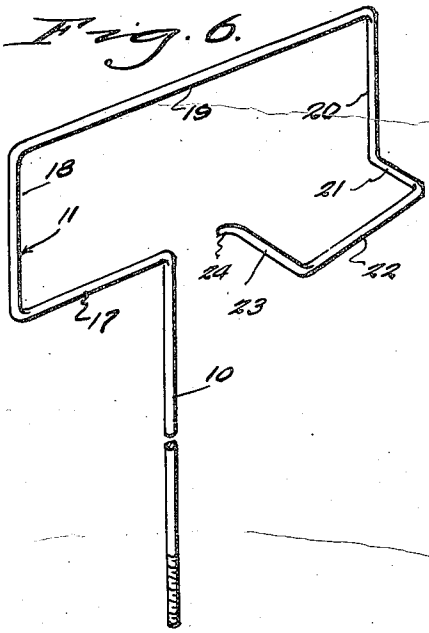


Fig. 7.

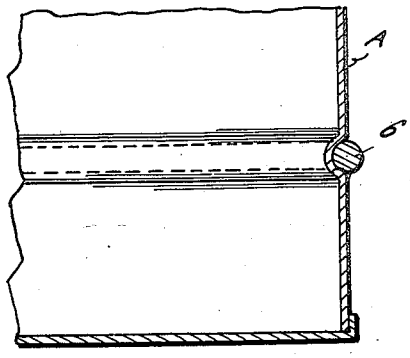
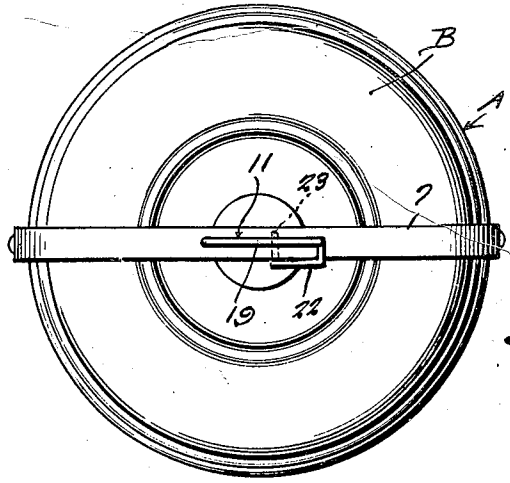


Fig. 2.



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Jan. 13, 1942. E. A. SCHAYOT ET AL 2,269,830

CAN CLOSURE

Filed May 2, 1939 4 Sheets-Sheet 2

Fig. 3.

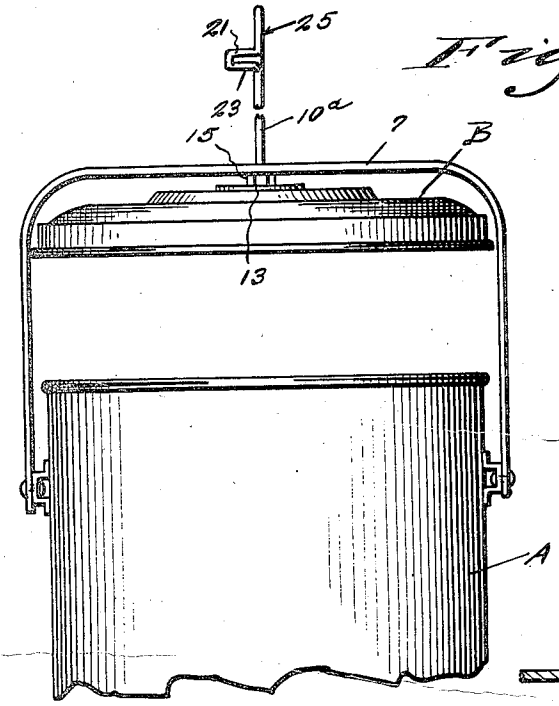


Fig. 5.

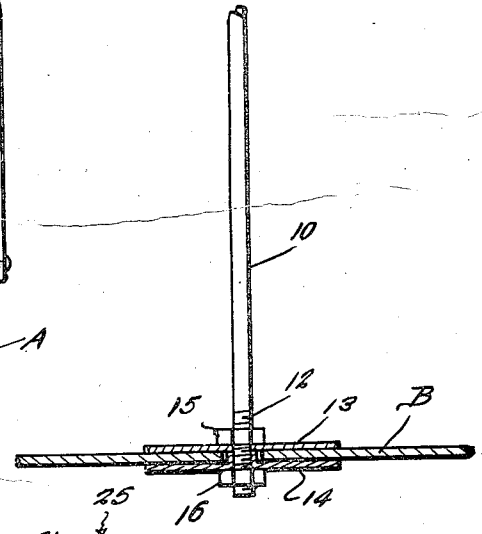
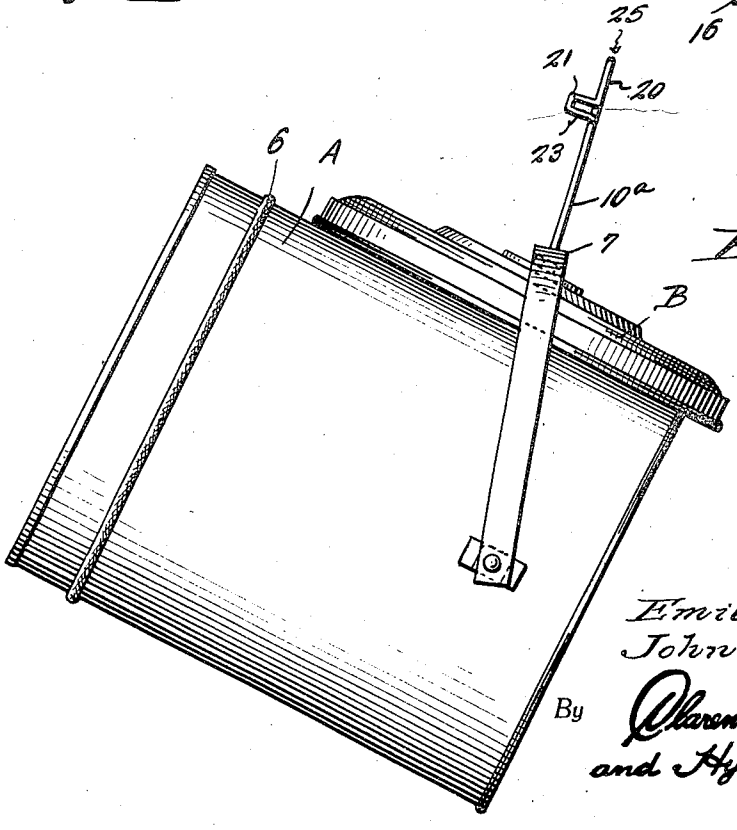


Fig. 4.



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CAN CLOSURE

Filed May 2, 1939 4 Sheets-Sheet 3

Fig. 8.

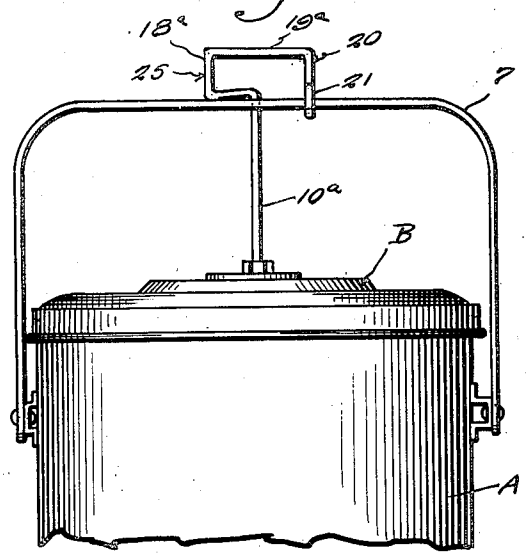


Fig. 9.

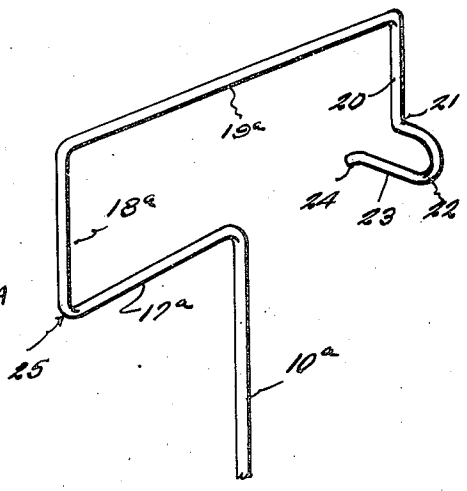


Fig. 14.

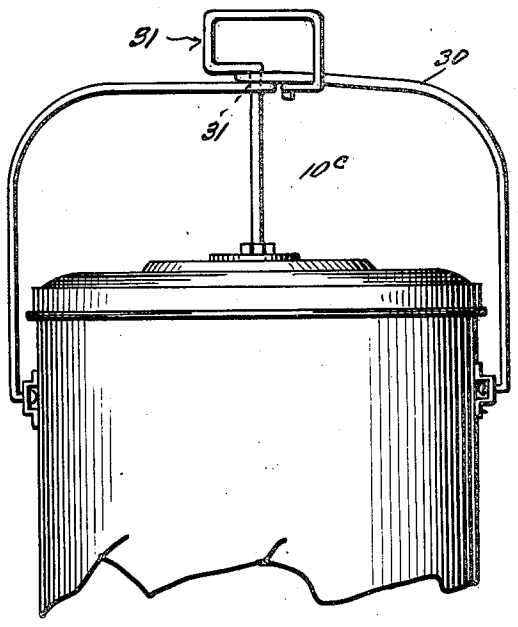
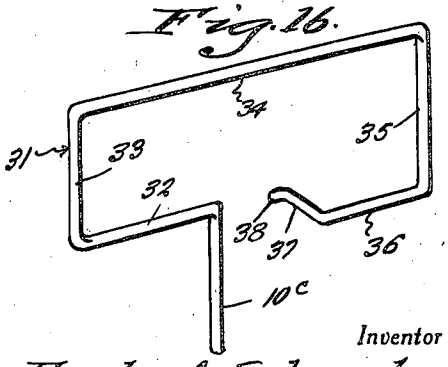


Fig. 15.



Fig. 16.



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CAN CLOSURE

Filed May 2, 1939 4 Sheets-Sheet 4

Fig. 10.

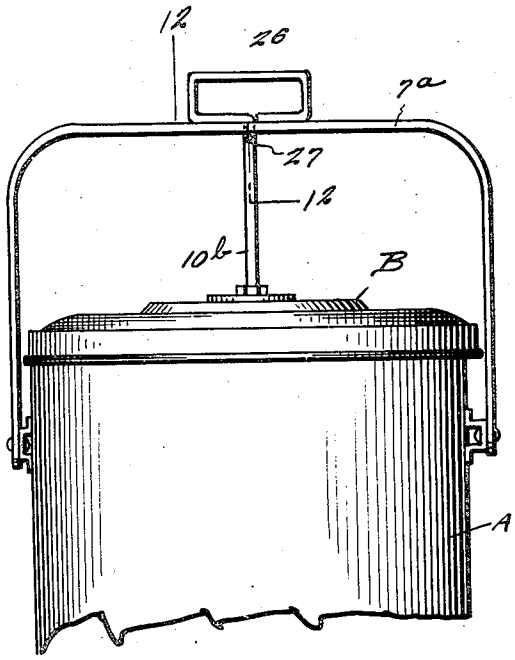


Fig. 13.

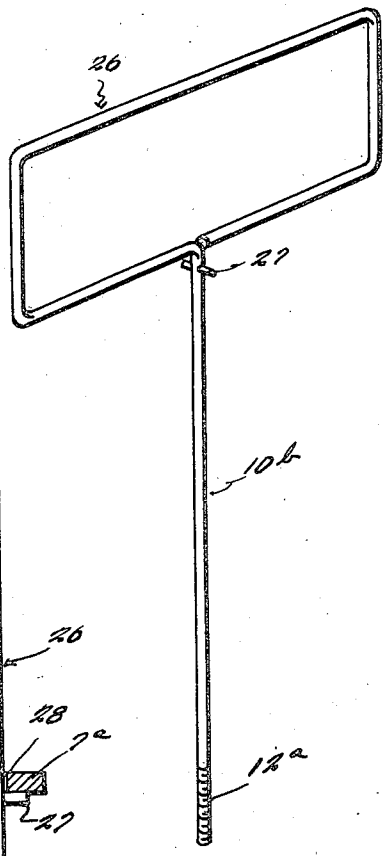


Fig. 12.

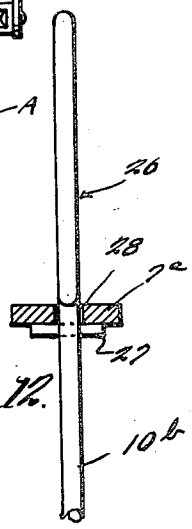
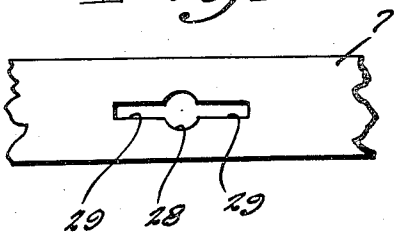


Fig. 11.



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Patented Jan. 13, 1942 2,269,830

UNITED STATES PATENT OFFICE

2,269,830

CAN CLOSURE

Emile A. Schayot and John M. Poché, New Orleans, La., assignors of one-half to George Sladovich, Jr., and Dave Gleason, both of New Orleans, La.

Application May 2, 1939, Serial No. 271,412

7 Claims. (Cl. 220—36)

This invention appertains to new and useful improvements in closures and more particularly to closures for garbage cans.

The principal object of the present invention is to provide a can closure wherein means is associated with the usual can bail whereby the can closure or lid can be firmly secured on the can, to the end that various animals, such as dogs and cats, cannot, by knocking over the can, cause the can to open.

Another important object of the invention is to provide a garbage can closure which can be quickly manipulated to open or closed position.

These and other important objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawings:

Figure 1 represents a side elevational view of a garbage can with the improved closure.

Figure 2 is a top plan view.

Figure 3 is a fragmentary side elevational view showing the closure in elevated position.

Figure 4 is a side elevational view showing the closure swung to a lateral position.

Figure 5 is a section on the line 5—5 of Figure 1.

Figure 6 is a perspective view of the lid handle.

Figure 7 is a fragmentary detailed sectional view on a line 7—7 of Figure 1

Figure 8 is a fragmentary side elevational view showing a slightly modified form of handle.

Figure 9 is a fragmentary perspective view of the handle shown in Figure 8.

Figure 10 is a fragmentary side elevational view showing a third form of handle.

Figure 11 is a fragmentary top plan view of the bail showing the key-slot.

Figure 12 is a section on the line 12—12 of Figure 1.

Figure 13 is a perspective view of the handle shown in Figure 10.

Figure 14 is a fragmentary side elevational view showing a fourth form of handle.

Figure 15 is a fragmentary top plan view of the intermediate portion of the can bail used in the structure shown in Figure 14.

Figure 16 is a fragmentary perspective view of the handle shown in Figure 14.

Referring to the drawings, wherein like numerals designate like parts it can be seen in Figure 1 that reference character A generally refers to the can while numeral 5 denotes a groove therein circumferentially extending. This groove receives an elongated runner 6 of suitable absorbent material on which kerosene or some other suitable insecticide can be placed to prevent insects from crawling up the outside of the can.

The lid of the can A is denoted by reference character B. In the form of the invention shown in Figure 1, the can is provided with the U-shaped bail 7 the leg portions of which are pivotally secured to the stools 8 on the side of the can A.

The intermediate portion of the bail is formed with an opening 9 through which the stem 10 of the handle generally referred to by numeral 11 is disposed. As shown in Figure 5, this stem 10 has the threaded lower portion 12 which is disposed downwardly through the washers 13 and 14 and through an opening in the central portion of the lid or closure B. One of these washers 13 is located above the lid 13 and the other below. A nut 15 is feedable downwardly against the washer 13 while the nut 16 is feedable upwardly against the washer 14. In this manner the washers are held at opposite sides of the lid B and the stem 10 is firmly held in upright position.

The handle 11 is constructed by extending the upper portion of the stem 10 laterally as at 17, upwardly as at 18 and then horizontally as at 19, from where it extends downwardly again as at 20 in parallel relation to the portion 18 and then laterally as at 21 at right angle to the portion 17. The portion 21 then merges with the obliquely disposed leg 22 which is provided with the inturned foot 23 having the downwardly curved extremity 24.

The handle structure 11 is constructed of spring material, and it can be seen that by rotating the handle 11 the foot portions 23 can be disengaged from the upper portion of the bail 7 so that the handle is free from the bail and the lid B can be lifted to the elevated position shown in Figure 3 From this position the lid and bail can be swung to the position shown in Figure 4, as when the can is to be emptied into a garbage truck.

A second form of the invention is shown in Figures 8 and 9 wherein the stem 10*a* has the lateral portion 17*a* merging with the upwardly extending portion 18*a*. From the portion 18*a* the member extends horizontally as at 19*a* and then downwardly as at 20*a*. At the lower portion of the member 20*a* is the laterally disposed portion 21 which is curved downwardly as at 22 and then inwardly as at 23 to terminate inwardly in the downwardly curved extremity 24.

This form of handle which is generally referred to by numeral **25** has its stem **10***a* extending through an opening in the bail of the can shown in Figure 8.

The third form of the invention is shown in Figures 10 to 13 inclusive, and consists of the rectangular shaped handle **26** downwardly from which depends the stem **10***b* which is threaded as at **12***a*, its lower end portion. A cross pin **27** is provided on the stem **10***b* adjacent the rectangular shaped handle **26**. As shown in Figure 10, the bail has an opening therein for receiving the stem **10***b*. This opening is of the key-slot type shown in Figure 11 consisting of the circular opening **28** to accommodate the stem **10***b* and the laterally disposed slots **29—29** to accommodate the pin **27**. Obviously when the pin is disposed at right angles to the slots **29—29**, the lid of the can cannot be elevated. However, by rotating the handle **26** the pin **27** is aligned with the slot **29** and the handle can be lifted, carrying with it the lid and subsequently the bail and lid can be swung to a lateral position as shown in Figure 4.

The fourth form of the invention is shown in Figures 14, 15 and 16, and this consists in constructing the bail **30** of heavy wire material and forming the same at its intermediate point with a coil **31** through which the stem **10***c* is disposed. This stem **10***c* extends downwardly from the handle generally referred to by numeral **31** and consists of the lateral portion **32** at the upper end of the handle **10***c* extending to the upwardly disposed portion **33** which meets the horizontal portion **34** and the latter has the downwardly extending portion **35** parallel to the portion **33** and merging with the obliquely disposed leg **36** which has the foot **37** terminating in the downwardly disposed portion **38**. This form of handle **31** is very similar to the form **11**. Obviously, the lid of the can shown in Figure 4 can be released by rotating the handle **31** so that the leg **36** will be removed from under the bail **30**, thus permitting the lid to be lifted and the lid with the bail swung to the lateral position shown in Figure 4.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:

1. In combination, a can, a swingable bail connected to the can, a lid for the top of the can, said bail having an opening at the intermediate portion thereof, a stem rising from the lid and being slidable through the opening of the bail.

2. In combination, a can, a swingable bail connected to the can, a lid for the top of the can, said bail having an opening at the intermediate portion thereof, a stem rising from the lid and being slidable through the opening of the bail and a handle at the outer end of the stem adapted to prevent displacement of the stem from disposition through the opening in the bail.

3. In combination, a can, a swingable bail connected to the can and having a guideway, a lid for the can having an upstanding stem, a guideway on the bail, a handle at the upper end of the stem, said handle being adapted for lifting the lid with the stem sliding through the guideway.

4. In combination, a can, a swingable bail for the can, a lid on the can, said bail being formed to define a guideway, a stem rising from the lid and passing through the guideway, the outer end of the stem being adapted to form a handle.

5. In combination, a can, a swingable bail for the can, a lid on the can, said bail being formed to define a guideway, a stem rising from the lid and passing through the guideway, the outer end of the stem being adapted to form a handle, said guideway being formed by the provision of a loop in the bail.

6. In combination, a can, a swingable bail for the can, a lid on the can, said bail being formed to define a guideway, a stem rising from the lid and passing through the guideway, the outer end of the stem being adapted to form a handle, the outer end of the stem being provided with a laterally extending member adapted to be engaged under the bail to prevent lifting of the lid.

7. In combination, a can, a swingable bail connected to the upper portion of the can, a lid for the upper portion of the can, a guideway on the bail intermediate the ends thereof, a stem rising from the center of the lid and slidable through said guideway, a handle at the upper end of the stem adjacent the bail, said handle being adapted for lifting the lid with the stem sliding through the guideway, said handle being provided with a hook adapted to engage the bail to prevent lifting of the lid.

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