July 27, 1965 R. M. FARNIOK ETAL 3,197,060

GARBAGE PAIL COVER HOLDER

Filed Aug. 1, 1963 2 Sheets-Sheet 1

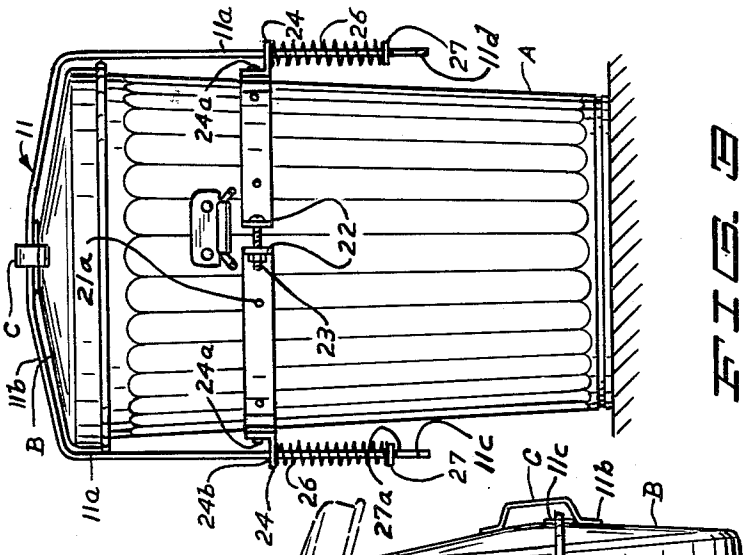


FIG. 3

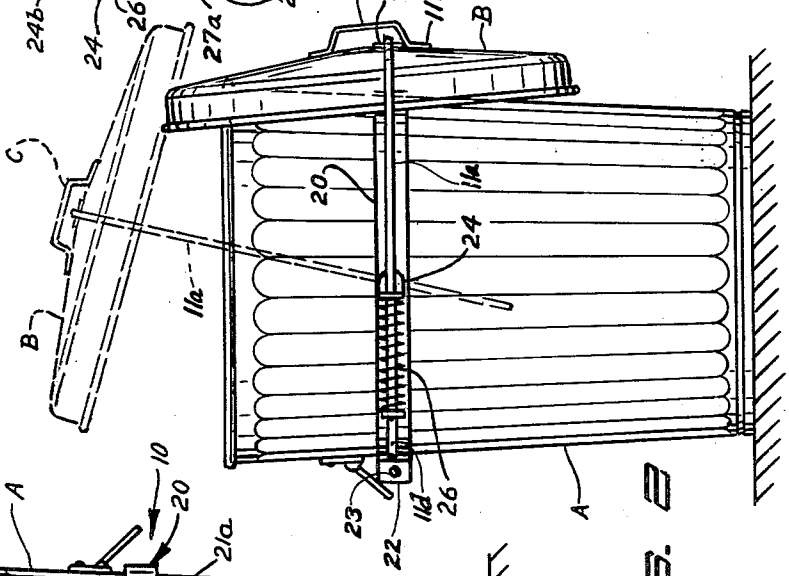


FIG. 2

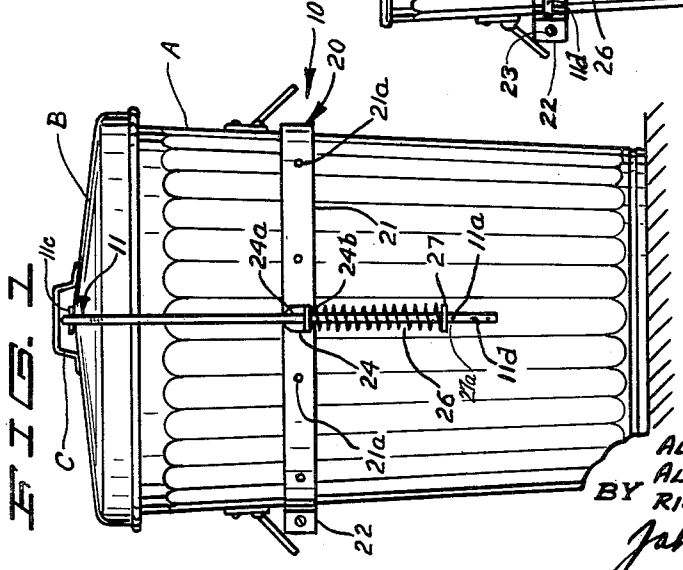


FIG. 1

INVENTORS
ALBERT WALTER HAMMERLUND SR.
ALBERT WILLIAM HAMMERLUND JR.
RICHARD MYRON FARNIOK
BY John W. Adams
ATTORNEY

July 27, 1965 R. M. FARNIOK ETAL 3,197,060

GARBAGE PAIL COVER HOLDER

Filed Aug. 1, 1963 2 Sheets-Sheet 2

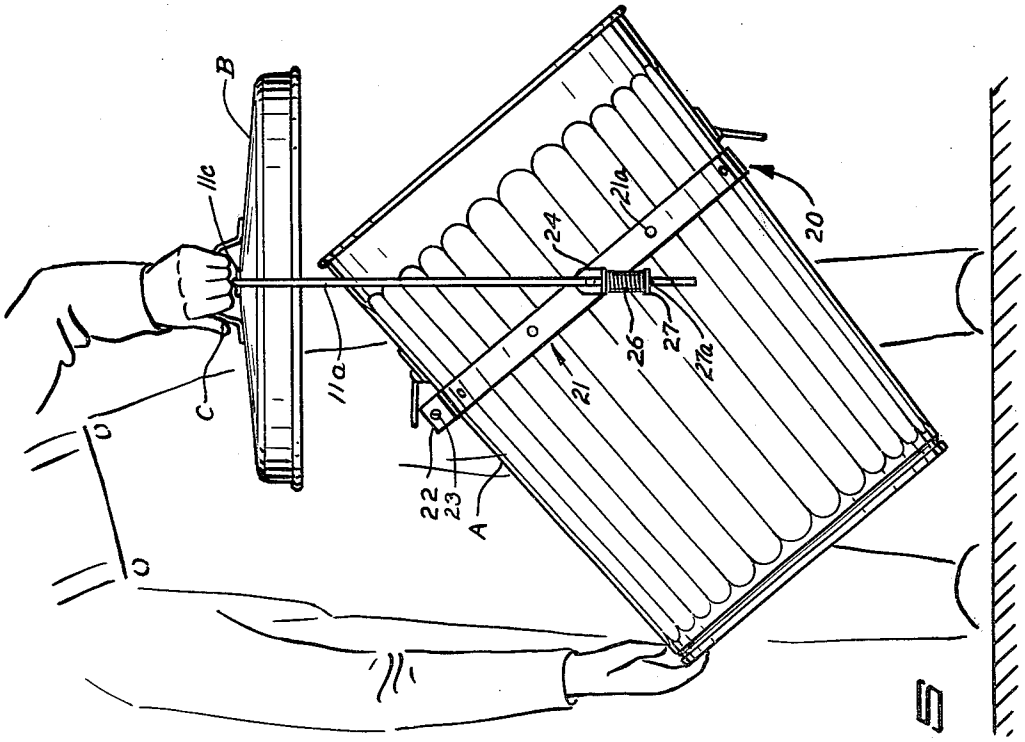


FIG. 5

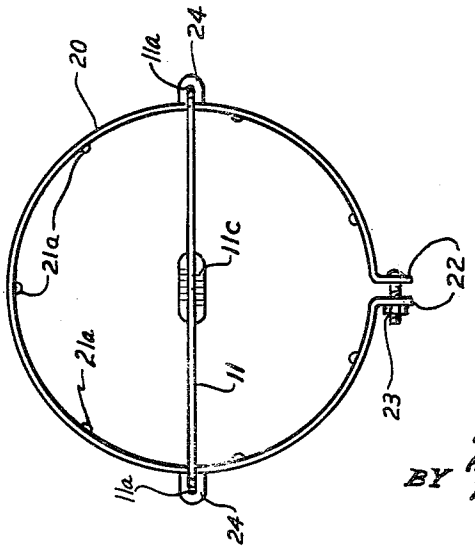


FIG. 4

INVENTORS
ALBERT WALTER HAMMERLUND SR.
ALBERT WILLIAM HAMMERLUND JR.
RICHARD MYRON FARNIOK

BY John W. Adams
ATTORNEY

United States Patent Office 3,197,060 Patented July 27, 1965

3,197,060

GARBAGE PAIL COVER HOLDER

Richard M. Farniok, Delano, Albert W. Hammerlund, Sr., Excelsior, and Albert W. Hammerlund, Jr., Hopkins, Minn., assignors to Hammerlund Sheet Metal, Inc., Hopkins, Minn., a corporation of Minnesota

Filed Aug. 1, 1963, Ser. No. 299,252
6 Claims. (Cl. 220—38)

This invention relates generally to cover holders and more particularly a cover holder for use with garbage cans and the like.

Many different types of holders for refuse and garbage can covers have been designed which securely hold the cover or lid to the container portion of the can such that the cover will not be easily blown away or may not be easily removed from the container portion of the can by scavengers or the like. However, most of these cover holders have been securely attached to the container portion to form an integral part thereof or have served as purely a means to prevent separation of the cover from the container portion.

Applicants however, have provided a garbage can cover holder which is provided with attachment means such that the holder may be adapted to various sized receptacles and is further designed not only to hold the cover securely onto the container portion but is arranged to allow removal of the cover for access into the container portion while still retaining the cover securely attached thereto.

Applicants' cover holder allows extreme flexibility in shifting of the cover from a position in which it is seated upon the container to an entirely open position such that in either position of use, the cover remains attached to the container.

It is an object of applicants' invention to provide a garbage can cover holder adapted to fit a variety of different sized garbage cans and which may be securely attached thereon with means to prevent shifting thereof upon positioning about the can, and further will allow complete freedom of usage of the can and cover.

It is a further object of this invention to provide a holder for a garbage can or the like which will firmly seat the cover upon the container portion and will hold the cover securely thereon by applying a constant hold down force thereto to prevent accidental removal thereof.

It is a further object of applicants' invention to provide a garbage can cover holder with means thereon to allow shifting of the cover from a position completely closing the container portion of the garbage can to a position allowing complete freedom of access to the interior of the container portion of the can while maintaining the cover in attached position on the container portion such that the same will not be separated and subsequently lost.

It is a further object of applicants' invention to provide a receptacle cover holder adapted to fit a variety of different sized receptacles.

These and other objects and advantages of this invention will more fully appear from the following description made in connection with the accompanying drawings, wherein like reference characters refer to the same or similar parts throughout the views, and in which:

FIG. 1 is a side elevation showing the cover holder embodying the concepts of this invention positioned in operative position on a garbage can;

FIG. 2 is a side elevation showing the cover member of the garbage can removed to allow access into the garbage can and showing the shiftability of the cover in dotted lines;

FIG. 3 is a side elevation showing the attachment means for positioning the same on a garbage can;

FIG. 4 is a plan view of the cover holder; and

FIG. 5 is a side elevation showing the cover member of the garbage can removed upon lifting of the can for dumping.

As shown in the accompanying drawings a garbage can cover holder, generally designated **10**, comprises a cover retaining element **11** and an attachment member **20** cooperating respectively with the can cover B and the container portion A. The garbage can as shown is of conventional design and the cover B is provided with a handle member C.

In the form shown the handle retaining element comprises a pair of spaced apart elongated arm elements **11***a* having a joining element **11***b* therebetween which passes between the cover B and handle C of the can. A bearing plate **11***c* is arranged intermediate the arms **11***a* such that the hold down element will have a large bearing surface against the cover B. It is obvious that this construction of the hold down element **11** forms a generally U-shaped member which is cooperatively joined to the cover B.

The attachment member **20** comprises a generally accurate band member **21** having outwardly extending flange elements **22** on the ends thereof for a clamp element such as a nut and bolt combination **23** may pass therethrough and clamp the band **21** tightly about the container portion A of a garbage can. Friction dimples **21***a* may be spaced along the band **21** to prevent slippage of the same about the container A.

A pair of pivot flanges **24** are pivotally mounted on the band **21** by rivets **24***a* or the like and are provided with apertures **24***b* therethrough to receive the elongated arms **11***a* of the hold down element **10** therein and further to allow the arms **11***a* to slide longitudinally therein. This connection allows the hold down element **10** to not only be raised but also to pivot about the pivot points **24***a*, thus allowing the cover B to be removed from the container A only to allow access thereto.

In the form shown spring hold down means **26** are provided about the elongated arms **11***a* below the apertured flanges **24** and are retained therein by an adjustable stop element such as a washer **27** and cotter pin **27***a* combination which is positionable in passages **11***d* through the arms **11***a*. This spring **26** serves to exert a constant hold down force upon the cover B but will allow, upon the application of an upward force, the removal of the cover B and rotation of the same as shown in FIGS. 2 and 5. The spring element **26** though exerting a hold down force will not prevent the removal of the cover B nor hinder the use of the garbage can. Use of the can as shown in FIG. 5 is also facilitated in that another handle is made available for dumping.

The adjustability of the spring element **26** will allow the user to not only vary the hold down force exerted thereby but will also allow use of the invention with cans within a range of sizes.

To assemble and use the invention the band **21** must be secured about a can A.

As shown in the drawings to attach the cover the hold down element **10** must initially be removed from the flanges **24** and the U-shaped bracket inserted between the cover B and handle of a garbage can cover. The elongated arms **11***a* are then reinserted into the flange opening **24***b* and the spring elements **26** and stop elements **27**, **27***a* replaced on the arms **11***a* at the point of hold down pressure desired.

It should be obvious that applicant has provided a unique cover hold down mechanism for a garbage can or the like which will efficiently hold a cover of a gar-

bage can in proper closing position but which allows ease of access into the container portion of the can.

It should be understood that various changes may be made in the form, details, arrangements and proportion of parts without departing from the scope of this invention, which generally stated consists in the matter set forth in the appended claims.

What is claimed is:

1. Apparatus for use with a garbage can of conventional construction including
   (a) a pair of generally horizontally disposed pivots,
   (b) means for readily attaching said pivots in diametrically opposed relation to the side wall of a garbage can,
   (c) a pair of apertured flanges mounted for pivotal movement on the axis of said pivots,
   (d) a pair of elongated hold down elements disposed in generally upstanding relation and respectively slidably mounted through the apertures of said flanges,
   (e) positive stop means mounted on said elements in spaced relation below said flanges,
   (f) means for attaching said elements to the cover of the garbage can, and
   (g) a pair of spring members normally urging said elements downwardly into normal hold down position but yielding in response to upwardly directed pulling force applied to said elements to permit said elements to be shifted upwardly in said flanges to permit removal of the cover from the top of the garbage can.

2. The structure set forth in claim 1 wherein said pivot attaching means includes
   (a) clamp means arranged and constructed for circumferential clamping about a garbage can.

3. Apparatus for use with a garbage can of conventional construction including
   (a) a pair of generally horizontally disposed pivots,
   (b) circumferential clamp means for readily attaching said pivots in diametrically opposed relation to the side wall of a garbage can,
   (c) a pair of apertured flanges mounted for pivotal movement on the axis of said pivots,
   (d) a generally U-shaped hold down element having
      (1) the arm portions thereof slidably mounted through the apertures of said flanges and
      (2) means for attaching the hold down element to the cover of the can

   (e) positive stop means mounted on said arms in spaced relation below said flanges, and
   (f) a pair of spring elements normally urging said arms downwardly into normal hold down position but yielding to permit said arms to be shifted upwardly in said flanges to permit removal of the cover from the top of the can.

4. The structure set forth in claim 3 wherein said spring means are positioned between said apertured flanges and said stop means and
   (a) said stop means are adjustable along said arms to vary the hold down force produced thereby.

5. The structure set forth in claim 3 wherein said U-shaped hold down element is arranged and constructed for passage through the aperture defined by the cover handle of a garbage can cover.

6. Cover hold down apparatus for a garbage can including in combination
   (a) a garbage can having a refuse container portion and a closure cover,
   (b) a pair of pivots arranged in diametrically opposed relation on the container portion of the container portion,
   (c) a pair of apertured flanges mounted for pivotal movement on the axis of said pivots,
   (d) a pair of elongated hold down elements slidably mounted through the apertures of said flanges with means for attaching the same to the cover of said can,
   (e) positive stop means mounted on said elements in spaced relation below said flanges and
   (f) a pair of spring members normally urging said elements downwardly into normal hold down position but yielding in response to upwardly directed pulling force applied to said elements to permit said elements and attached cover to be shifted upwardly to permit removal of the cover from the top of said can.

References Cited by the Examiner

UNITED STATES PATENTS

613,888	11/98	Schmuck	220—38
1,594,437	8/26	Walsh	220—38
2,883,919	8/54	Jayet	220—57

THERON E. CONDON, *Primary Examiner.*