May 21, 1929. G. R. LE SAUVAGE 1,714,384

ASH CAN AND COVER

Filed Nov. 20, 1926

Fig. 1.

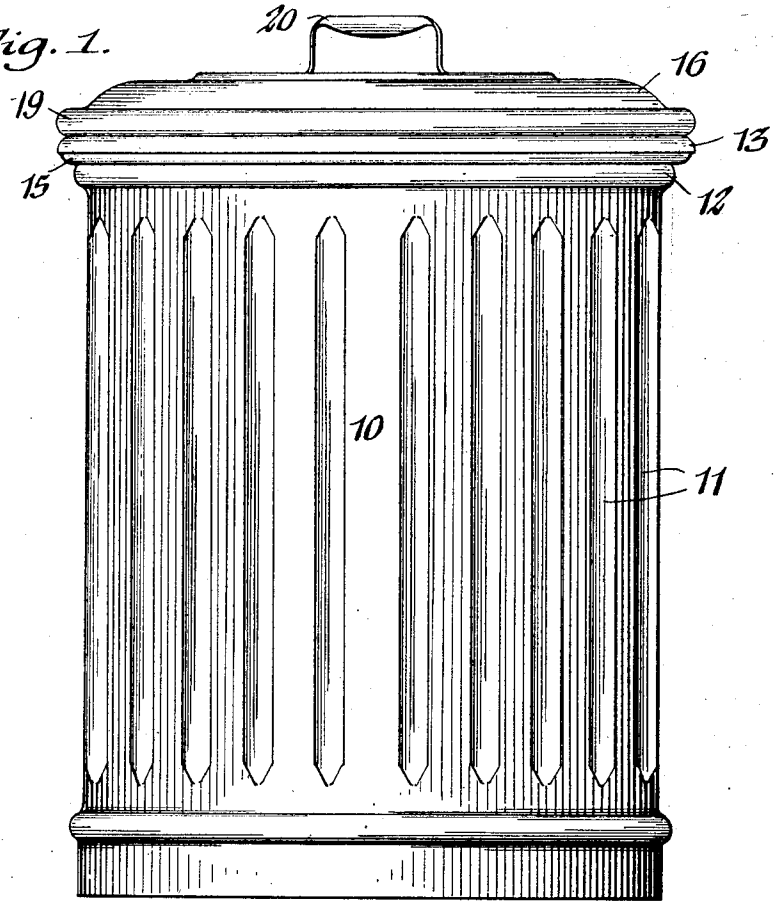
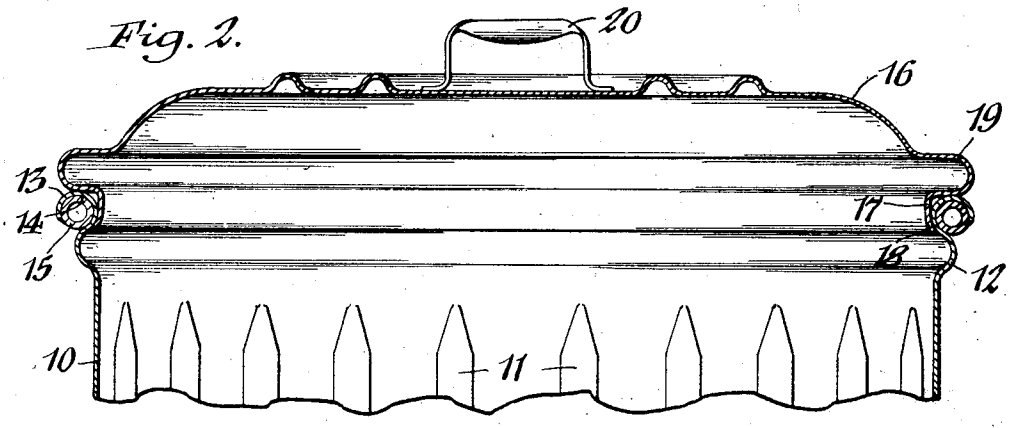


Fig. 2.



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ASH CAN AND COVER.

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This invention relates to improvements in receptacles of the character for receiving ashes, garbage and other waste materials.

One of its objects is to so design and construct the ash can and its cover that they will effectually withstand the hard and rough usage to which such cans are usually subjected.

Another object of the invention is the production of a sheet metal ash can and cover whose mating portions are constructed to resist being dented or bent out of shape and to provide a reasonably tight fit of the cover on the can to render it weather-proof and fly-proof as well as dog-proof.

In the accompanying drawings:

Figure 1 is a side elevation of an ash can embodying the invention. Figure 2 is an enlarged fragmentary vertical section of the upper portion of the can and its cover.

Similar characters of reference indicate corresponding parts throughout the several views.

The numeral 10 indicates the sheet metal cylindrical body of the can which is provided with vertical corrugations 11 for reinforcing its sides and one or more annular corrugations 12 at its top.

At its open upper end, the can-body is provided with a comparatively wide outwardly and downwardly curved rim or bead 13 substantially semi-circular in cross section. Contained in the downwardly-facing annular groove 14 resulting from this bead is a reinforcing ring 15, made of iron pipe or the like, having its ends welded, plugged or otherwise joined. This iron ring is brazed, soldered, welded or otherwise fastened in the bead-groove and aside from materially strengthening the open end of the can, this ring and its bead affords an effective and smooth hand grip for the easy and convenient handling of the can.

The cover 16 is likewise made of sheet metal, being seamless and drawn from a single piece of material. At its bottom, the cover is provided with a depending resilient rim or collar 17 having a downwardly-flaring lip 18 which is adapted to snugly fit into the open end of the can-body, said lip conforming to the curvature of the contiguous inner side of the bead 13, as shown in Fig. 2. The diameter of the flared lower edge of the cover-rim is somewhat larger than that of the open end of the can-body, so that in applying and removing the cover its rim yields sufficiently to enable it to spring into and out of engagement with said cam-body. Above its rim, the cover has a comparatively large outwardly-extending hollow bead 19, which, in the closed position of the cover, rests on the can-bead 13 and positively limits its downward movement. The rim 17 is a continuation of the bottom wall of the bead 19 and the latter lends the required resilience to said rim to permit its contraction and expansion as the cover is forced into or lifted from interlocking engagement with the open end of the can-body. Aside from this function, the cover-bead materially reinforces the cover as a whole, and it acts as a protective guard for the rim. The external diameter of the cover-bead 18 is approximately the same as or slightly less than the corresponding diameter of the can-bead 13 and in the applied position of the cover, its bead rests snugly over that of the can-body. By this construction, the cover is free from parts overhanging the upper end of the can and dogs and other animals are thereby prevented from pushing off the cover and gaining access to the interior of the can, the body-bead 13 acting as a guard for the cover-bead for frustrating or baffling such an attempt. To remove the cover, its handle 20 is grasped and the same given a quick upward pull, while in applying the cover it is first brought into register with the mouth of the can and then forced smartly in place.

I claim as my invention:—

A receptacle of the character described, comprising a sheet metal body having superposed beads at its upper open end, the upper bead extending outwardly beyond the lower one and containing a reinforcing ring therein, and a cover having an external hollow bead of approximately the same diameter as the reinforced bead of the body, the lower wall of the cover-bead being engageable with the top side of said reinforced body-bead and having at its inner edge a depending rim terminating in a flaring lip engageable with the adjoining inner portions of the superposed body-beads to interlock therewith, the lower body-bead and the cover-bead being free to yield when forcing the rim of the cover into and out of its interlocked position.

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