June 19, 1962 R. E. RASMUSSEN 3,039,647

TRASH BURNER COVER WITH CLAMP

Filed Sept. 22, 1959

Fig. 1.

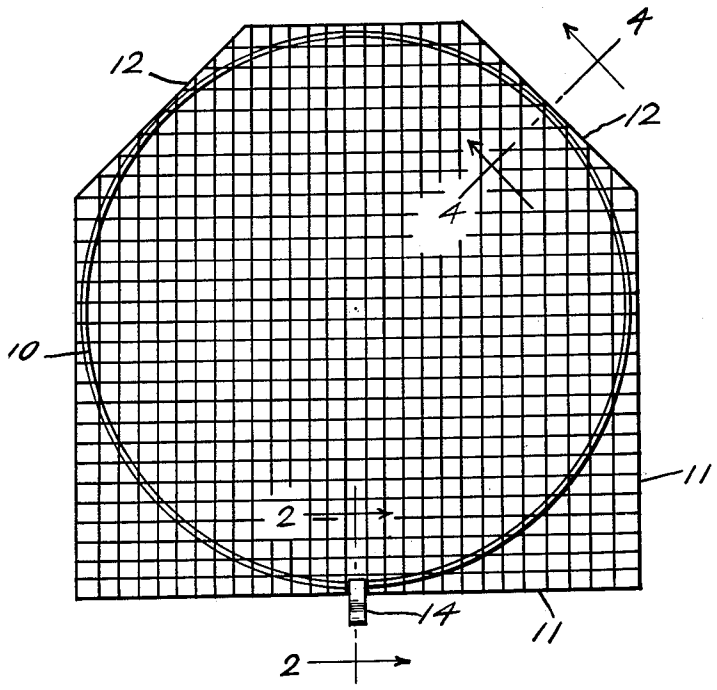


Fig. 3.

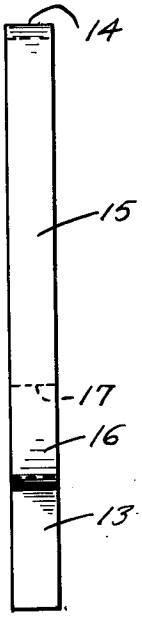


Fig. 2.

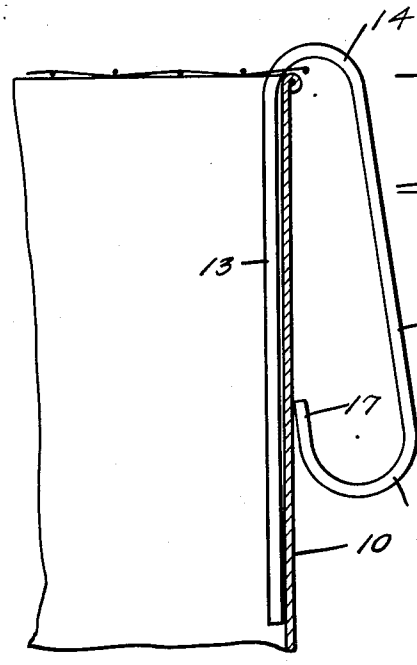
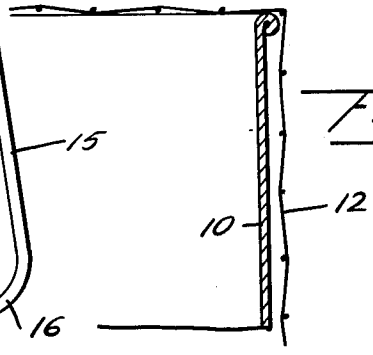


Fig. 4.



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TRASH BURNER COVER WITH CLAMP

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1 Claim. (Cl. 220—30)

This invention relates to a trash burner cover and a clamp for holding the cover on the trash burner.

The trash burners commonly in use are comprised principally by open top metal drums, frequently of the fifty gallon size. Since the drums are used without any covers, ashes and embers are carried by the wind around the general vicinity, thereby creating a fire hazard.

The object of the present invention is to provide a combined clamp and cover for trash burners.

Another object of the present invention is to provide a cover for trash burners which can be easily fabricated.

A further object of the present invention is to provide a clamp for pivotally holding a cover on a trash burner.

Still other objects, advantages and improvements will become apparent from the following specification, taken in connection with the accompanying drawing, in which:

FIGURE 1 is a top plan view, showing a cover according to the present invention, on a trash burner.

FIG. 2 is a sectional view taken on the section line 2—2 of FIG. 1 and looking in the direction of the arrows, and showing the clamp for holding the cover on a trash burner.

FIG. 3 is a side elevational view of the clamp.

FIG. 4 is a part sectional view, taken on the section line 4—4 of FIG. 1 and looking in the direction of the arrows, showing one of the corners of the cover bent downwardly along the side of the trash burner.

Referring now to the drawings in detail, and to FIG. 2 in particular, the trash burner is here designated 10. It will be understood that the trash burner is comprised principally by a large metal drum, which has holes circumferentially spaced in its side walls adjacent the bottom for the admission of air and is mounted in a suitable support to provide a space between the ground and the bottom of the trash burner for the fire. These latter features are no part of the present invention and are not illustrated or further described.

The cover is shown at 11. It consists of a piece of heavy screen material, that is two series of heavy wires or light rods at right angles to each other and interwoven in intersticed relationship. The general shape of the cover is that of a rectangle adjoined along one of its sides by a trapezoid. Two corners of the cover are bent downwardly at 12, at right angles to the main body section. This construction minimizes interference by the cover with movements of a person approaching the trash burner in one direction.

The clamp is comprised by a bar 13, a first semi-circular curved end section 14, a reversely extending section 15, positioned at an acute angle with respect to the main body of the bar, and a second inwardly semi-circular curved section 16, terminating in an inwardly extending end 17.

In use the cover 11 is placed over the trash burner 10 and the main body section 13 of the clamp is inserted in the opening between the outermost two parallel rods or wires, on the plane side of the cover, and between the two parallel rods or wires along the transverse center line. The main body section of the clamp will rest against the inner surface of the wall 10 of the trash burner and the inwardly extending end 17 will rest against the outer surface of the wall. When the cover 11 is in place on the trash burner it will prevent the wind from blowing ashes and embers out of same. The cover may be raised, pivoting about the clamp 13, to place material to be burned in the trash burner 10. When the burning of the trash has been completed, the clamp 13 and the cover 11 may be removed to empty the trash burner of ashes.

Having now fully described my invention, what I claim as new and useful and desire to secure by Letters Patent of the United States is:

A foraminous cover for generally cylindrical containers particularly adapted to burn trash, said cover having a generally rectangular configuration, a pair only of adjacent corners of said cover being turned in the same direction and disposed in generally perpendicular relation to the main body portion of the cover, a single clamp including a bar extending through said foraminous cover at the edge thereof opposite said adjacent pair of turned corners and adapted to engage the interior wall of said container adjacent the end upon which said cover is supported, said clamp further including an integral reverted portion of a lesser length than said bar and in acute angular relationship thereto, the free end of said reverted portion being semicircularly curved and adapted to engage the outer wall of the container to pivotally and removably clamp said cover thereon.

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