

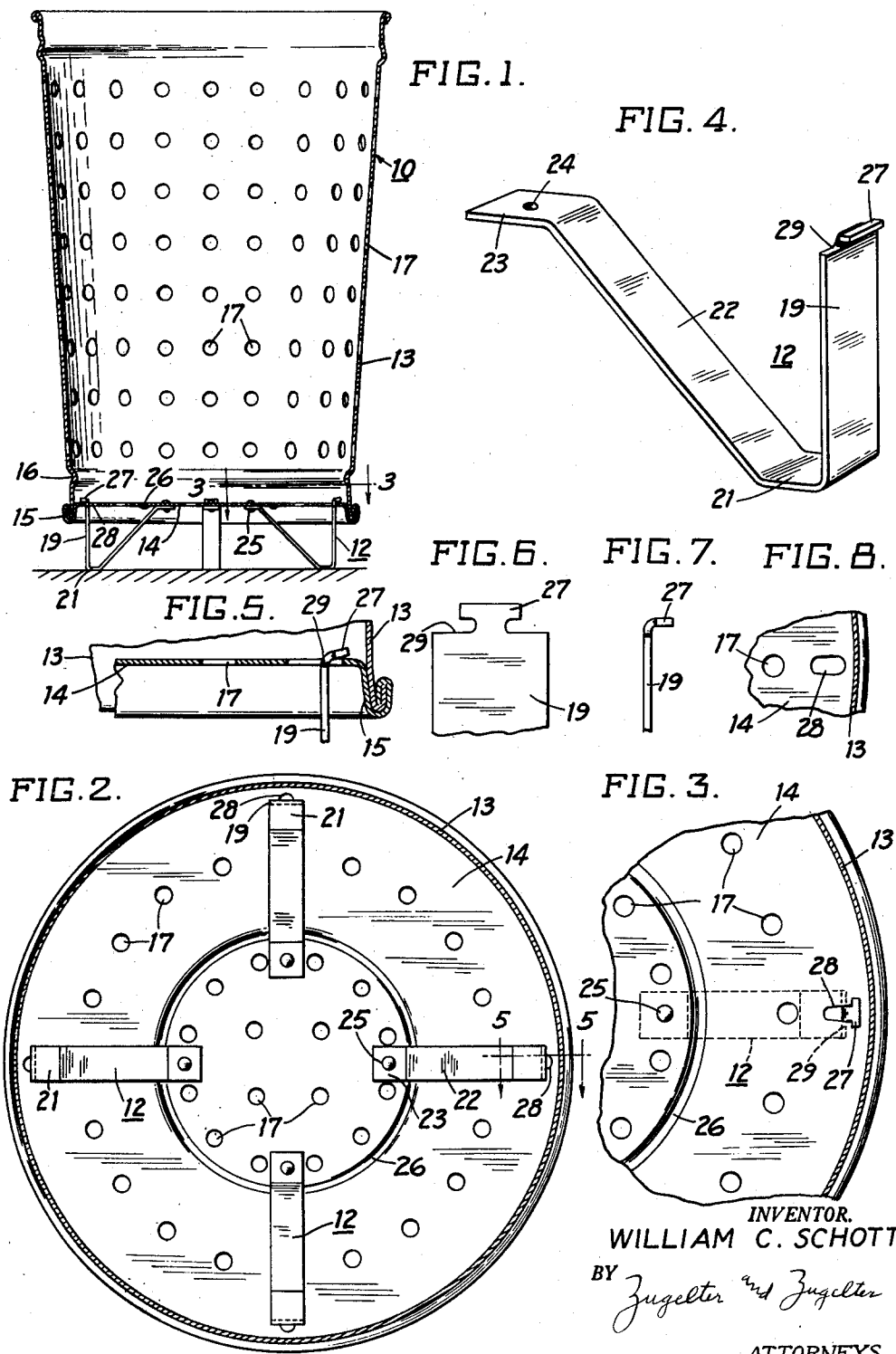
Aug. 16, 1960

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2,949,209

LEG CONSTRUCTION FOR A TRASH BURNER

Filed Oct. 2, 1957



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LEG CONSTRUCTION FOR A TRASH BURNER

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Filed Oct. 2, 1957, Ser. No. 687,690

3 Claims. (Cl. 220—69)

This invention relates to receptacles such as trash burners and the like.

An object of this invention is to provide an improved, strong, durable trash burner construction.

Trash burners ordinarily include legs which support the body thereof with the bottom spaced above the ground. A further object of this invention is to provide a strong, firmly attached leg structure for a trash burner.

The legs of the trash burner preferably are attached to the bottom adjacent the sides thereof in order to provide stability. Rivets and the like are difficult to attach adjacent the sides of the bottom of a trash burner because of the construction thereof. A further object of this invention is to provide a leg construction in which the upper end of a leg member is locked in a slot adjacent one side of the bottom without use of a rivet adjacent the side of the bottom.

A further object of this invention is to provide a leg construction for a receptacle such as a trash burner in which an upright leg is provided with a T-shaped projection at its upper end which extends through a radial slot in the bottom of the trash burner and is held in position extending transversely of the slot by means of a sloping portion of the leg structure which is integral with the lower end of the upright leg and extends therefrom to a position on the bottom of the trash burner radially spaced from the slot at which the free end of the sloping portion is attached to the bottom of the trash burner, by a rivet or the like.

The above and other objects and features of the invention will be apparent to those skilled in the art to which this invention pertains from the following detailed description, and the drawing, in which:

Figure 1 is a view in transverse section of a trash burner equipped with legs constructed in accordance with an embodiment of this invention;

Fig. 2 is a bottom plan view of the trash burner illustrated in Fig. 1.

Fig. 3 is a view in section, taken on a line 3—3 in Fig. 1;

Fig. 4 is a perspective view of a leg unit of the trash burner removed therefrom;

Fig. 5 is a view in section taken on the line 5—5 in Fig. 2;

Fig. 6 is a developed view in side elevation of the upper portion of an upright arm of the leg unit;

Fig. 7 is a view in end elevation of the upper portion of the leg unit shown in Fig. 4; and

Fig. 8 is a fragmentary view in section taken on the line 3—3 in Fig. 1 with the leg unit removed.

In the following detailed description, and the drawing, like reference characters indicate like parts.

In Fig. 1 is shown a trash burner having a body 10 and leg units 12 supporting the body. The body 10 includes a tapering generally cylindrical side wall member 13 and a bottom panel 14. As shown in Fig. 5, the outer edge of the bottom panel is provided with a circumfer-

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ential downwardly extending flange 15 which is provided with a folded over portion in which a return bend portion at the lower edge of the side wall member 13 is received to hold the bottom panel and the side wall member in assembled relation. A circumferential rib or corrugation 16 strengthens the bottom portion of the side wall member.

As shown in Figs. 1, 2, and 3, the side wall member and the bottom panel are provided with a plurality of openings 17 to permit air to enter the interior of the body.

As shown in Fig. 4, each leg unit is formed from a strip of metal bent to the shape shown in Fig. 4 to include an upright arm 19, a foot member 21 at the bottom of the upright arm, a sloping arm portion 22, and an attachment flange 23. The attachment flange 23 is provided with a perforation 24 for receiving a rivet 25 (see Figs. 1 and 2) for attaching the attachment flange to the lower face of the bottom panel of the burner body. As shown in Figs. 1, 2, and 3, the bottom panel is strengthened by an annular corrugation 26 adjacent the line of rivets.

The upper end of the upright arm 19 is provided with a T-shaped projection 27. As shown in the developed view (Fig. 6) the T-shaped projection 27 is formed integrally with the upright arm 19. The projection 27 is then bent to an angle of approximately 90 degrees to the arm 19, as shown in Fig. 7. The T-shaped projection 27 extends through a generally radial slot 28 in the bottom panel adjacent the side edge thereof. When the leg is assembled with the body of the trash burner, the T-shaped projection 27 is extended through the radial slot 28 and then the leg member is swung until the perforation 24 in the attachment flange 23 is aligned with a rivet hole (not shown) in the bottom panel. When the leg unit is in this position, the T-shaped projection extends transversely of the radial slot so that the rivet 25 holds the leg unit in firmly locked position attached to the under side of the bottom panel with the cross bar of the T-shaped projection above the bottom panel and the neck thereof in the slot 28. The cross bar of the T-shaped projection and a pair of shoulders 29 thereon engage upper and lower faces, respectively, of the bottom panel 14 to rigidly attach the upper end of the upright arm 19 to the bottom panel. As shown most clearly in Fig. 3, the width of the neck of the T-shaped projection is substantially equal to the width of the widest portion of the radial slot so that the upper end of the upright arm of the leg unit is locked against circumferential movement. The length of the cross bar of the T-shaped projection is greater than the width of the widest portion of the slot so that the cross bar can not pass through the slot when extending transversely thereof.

The trash burner and leg construction illustrated in the drawing and described above is subject to structural modification without departing from the spirit and scope of the appended claims.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A trash burning receptacle comprising a body having a side wall and a bottom panel attached to the lower edge of the side wall and a plurality of leg units attached to the bottom panel, each of said leg units including an upright portion having a T-shaped projection at its upper end and a sloping portion integral with the lower end thereof, the T-shaped projection extending through a substantially radial slot in the bottom panel adjacent the edge thereof, and means for attaching the free end of the sloping portion of the unit to the bottom spaced, substantially radially from the slot thereof to lock the T-shaped projection in a position extending transversely

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of the slot with the cross bar of the projection above the bottom panel and the neck thereof in the slot, there being a plurality of air holes in the bottom panel, the legs supporting the bottom panel spaced above a supporting surface, whereby air can freely enter the air holes in the bottom panel.

2. A leg unit for an upright receptacle comprising an upright arm, a T-shaped projection at the upper end of the upright arm, and a sloping portion integral with the lower end of the upright arm, there being a foot between the upright arm and the sloping portion, the T-shaped portion being receivable in a radial slot in the bottom of the receptacle, and means at the free end of the sloping portion for attaching the free end of the sloping portion to the bottom of the receptacle to hold the T-shaped projection in a position extending transversely of and locked in the slot.

3. A trash burning receptacle comprising a body having a side wall and a bottom panel attached to the lower edge of the side wall and a plurality of leg units attached to the bottom panel, each of said leg units including an upright portion having a T-shaped projection at its upper end and a side portion integral with the lower end there-

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of, the T-shaped projection extending through a slot in the bottom panel adjacent the edge thereof, and means for attaching the free end of the side portion of the unit to the bottom spaced from the slot to lock the T-shaped projection in a position extending transversely of the slot with the cross bar of the projection above the bottom panel and the neck thereof in the slot, there being a plurality of air holes in the bottom panel, the legs supporting the bottom panel spaced above a supporting surface, whereby air can freely enter the air holes in the bottom panel.

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