

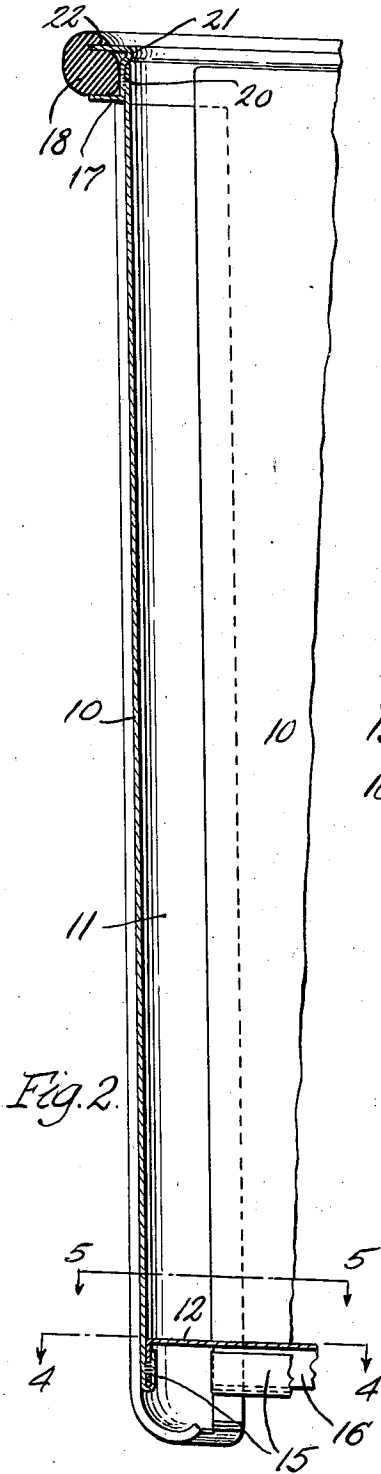
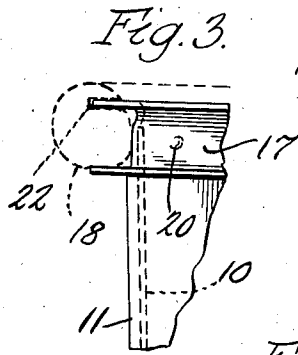
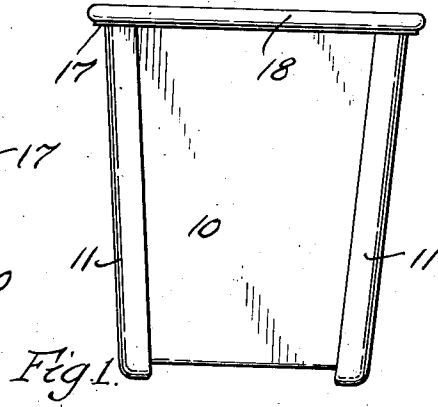
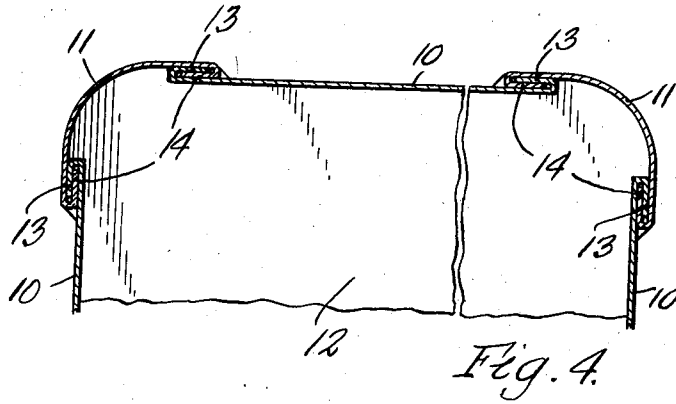
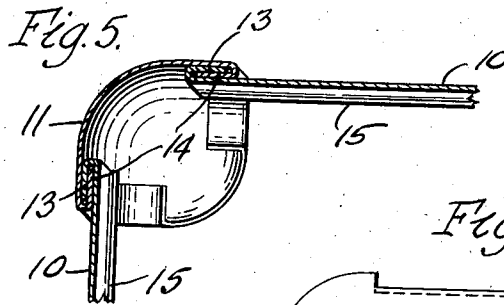
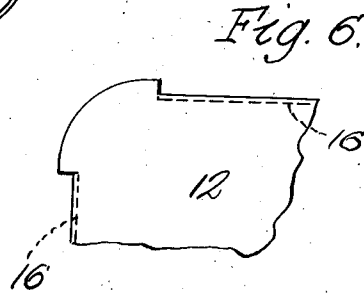
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SHEET METAL RECEPTACLE

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SHEET METAL RECEPTACLE

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3 Claims. (Cl. 220-1)

This invention relates to improvements in metallic receptacles, and the objects of the invention are to improve the construction of waste baskets or analogous receptacles made from sheet metal; also to provide a waste basket or the like of simple but strong and durable construction and attractive appearance composed of sheet metal side panels connected by corner strips which form supporting legs or feet at the corners of the basket; also to provide the basket with a rim bumper or cushioned rim of improved construction which gives a desirable finish to the basket and forms a resilient or yielding bumper which surrounds the upper edge of the basket to prevent the marring of the surfaces of the basket or of objects with which the basket may contact; and also to produce a metallic receptacle which has the other features of advantage and improvement hereinafter described and set forth in the claims.

In the accompanying drawing:

Fig. 1 is a side elevation, on a reduced scale, of a waste basket embodying my invention.

Fig. 2 is a fragmentary, sectional elevation on an enlarged scale thereof.

Fig. 3 is a fragmentary elevation showing the rim formation of the basket, omitting the yielding bumper.

Fig. 4 is a fragmentary, sectional plan view of the basket on the plan of line 4-4, Fig. 2.

Fig. 5 is a sectional plan view on line 5-5, Fig. 2, omitting the bottom plate.

Fig. 6 is a plan view of one corner of the bottom plate.

The basket is formed by side panel plates 10 joined by interposed, upright corner strips 11, and a bottom plate 12 arranged within and secured to the lower portion of the hollow body formed by the side panels and corner strips.

Preferably, the basket is substantially square in plan or horizontal cross section and tapers somewhat from its upper to its lower end, and the corner strips 11 are transversely curved, or of substantially quarter round cross sectional shape to form rounded corners for the basket. The upright side edges of each panel plate or sheet 10, which converge downwardly somewhat, are bent outwardly and laterally to form seam flanges 13 extending inwardly at the outer face of the plate, and the upright edges of the corner strips 11 are bent to form seam flanges 14 which extend inwardly at the inner faces of the strips and are adapted to interlock with the flanges of the side panels, thereby forming lock seams which secure the side panels and corner strips

together. The lower edges of the side panels are bent to form inwardly and upwardly extending flanges 15, and the bottom plate 12 is provided with down-bent edge flanges 16 which seat in the grooves formed by the flanged bottom edges of the side panels, thereby securing the bottom plate 12 in position to form the bottom of the basket.

The corner strips 11 extend downwardly below the bottom 12 and the bottom edges of the side panels, and have their lower ends bent or curved inwardly, thus forming downwardly projecting legs with inbent or curved feet at the corners of the basket which support the body of the basket off of the floor. The interlocking portions forming the seams which connect the side panels and corner pieces fit or may be pressed tightly together and firmly join these parts, thus obviating the need for welding them, but the flanges which connect the side panels to the bottom may be permanently secured together by spot welding, thereby securely fastening the parts in place and forming a strong, rigid receptacle body.

The upper edge of the basket is finished by a rim bumper or cushioned rim formed by a metal rim member 17, of channel-shaped cross section, which surrounds the upper edge portion of the basket body, with the flanges of the channel directed outwardly, and a band 18, of rubber or other suitable resilient or yielding material, which surrounds and is retained in place by the channel member 17. The corner strips 11 of the body terminate below the top edges of the side panels 10, and the channel rim member 17, which is formed by a channel strip bent to conform to the top contour of the basket body and has its ends welded together, fits around the upper edge portions of the side panels above the top ends of the corner pieces and is secured, as by spot welding, to the panels 10, as indicated at 20. Preferably, the upper, inner corner of the channel member is offset inwardly slightly, as indicated at 21, so as to project inwardly over the upper edges of the side panels and thus cover these edges and form a smooth, finished top edge for the basket.

The bumper cushion band 18 is preferably of the cross sectional shape shown in Fig. 2, and has its ends joined to form an endless band which is stretched over and is held by contraction of the band in place on the channel member. As shown, the cushion band has a portion which fits into and fills the channel of the member 17, and is formed with a narrow, inwardly opening

- groove 22 into which the top flange of the channel member fits, so that the upper portion of the cushion band embraces and covers the outer portion of the top flange of the channel member with portions of the cushion band lying outwardly beyond and above the top flange of the channel member. This formation of the cushion band insures a secure retention of the same in place on the rim and also forms a resilient cushion which surrounds and extends somewhat above the top of the metal rim so as to provide a very complete protection for the rim which will prevent marring of the top edge portions as well as the sides of the rim and body of the basket. By extruding the band 18 in the sectional shape shown, a resilient covering for the top edge of the basket is obtained which will not only protect the basket against sidewise knocks, but also against top damage when emptying the basket. The band can be cemented in place on the channel rim, although its novel shape will ensure its retention in place without requiring it to be secured by cementing.

Definite advantages of the described assembly are that it eliminates spot-welding of the corner pieces to the panels, provides additional strength, makes possible the use of lighter weight metal and improves the appearance of the basket. The inwardly folded edges of the corner strips form smooth, finished side edges for the legs and feet.

I claim as my invention:

1. A receptacle comprising plural, upright sheet metal side panels arranged with the side edges of adjacent panels separated by a space of substantial width, and upright corner strips of concavo-convex cross section bridging and closing the spaces between said side panels, said panels and corner strips having folded side edges which are interlocked to secure the panels and corner strips together, said corner strips forming broad rounded corners for the receptacle between adjacent side panels and having their lower end portions projecting below the bottom ends of the side panels and curved downwardly and inwardly away from the lower ends of the panels and forming depending continuous unbroken supporting legs and feet for the receptacle having con-

vexed outer and bottom surfaces for supporting contact with the floor, and a bottom and rim for the receptacle attached to said side panels.

2. A receptacle comprising plural upright sheet metal side panels arranged with the side edges of adjacent panels separated by a space of substantial width, and upright corner strips of curved cross section bridging and closing the spaces between said side panels, said strips terminating at their upper ends below the upper ends of said side panels, a bottom plate between and attached to said side panels, and a rim member surrounding the upper end portion of the receptacle above the upper ends of said corner strips and secured to the upper end portions of said side panels and forming an outwardly projecting rim for the receptacle, said rim member being of channel form having outwardly directed upper and lower flanges, and a cushioning band held between said flanges, and said rim member having a longitudinal bead at its upper inner corner offset inwardly therefrom and overhanging and covering the upper edges of said side panels.

3. A receptacle comprising a bottom, and upright walls formed by separate sheet metal side panels and corner strips of concavo-convex cross section between and connecting said side panels and forming rounded corners for the receptacle, said corner strips terminating at their upper ends below the upper ends of said side panels, and a rim bumper comprising a channel member surrounding and projecting outwardly from the upper end portion of the receptacle beyond the upright walls of the receptacle above the upper ends of said corner pieces and secured to the upwardly projecting portions of said side panels and having outwardly directed upper and lower flanges, and a resilient cushioning band confined and secured in the channel member between said flanges and having an upper peripheral portion which surrounds and projects upwardly above the outer edge of the upper flange of said channel member, whereby said cushioning band is held in place in the channel and covers said outer edge and protects the upper face of said upper flange from being marred.

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