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J. J. DREW

1,896,812

BOX FOR SHIPPING COAL

Filed May 29, 1930

Fig - 1 -

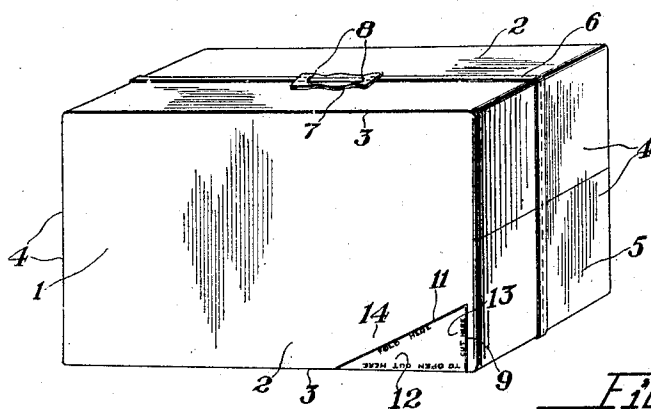


Fig - 2 -

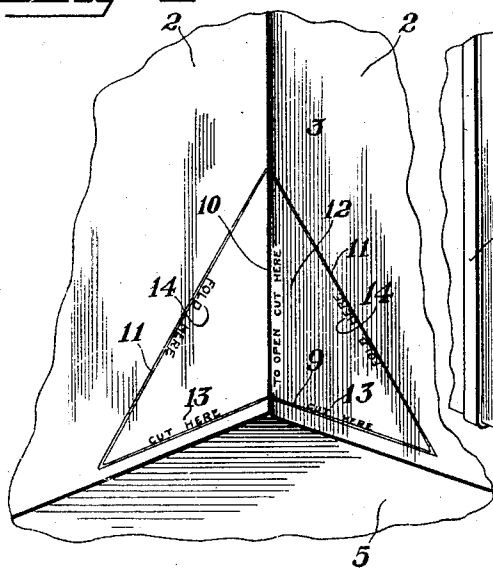


Fig - 3 -

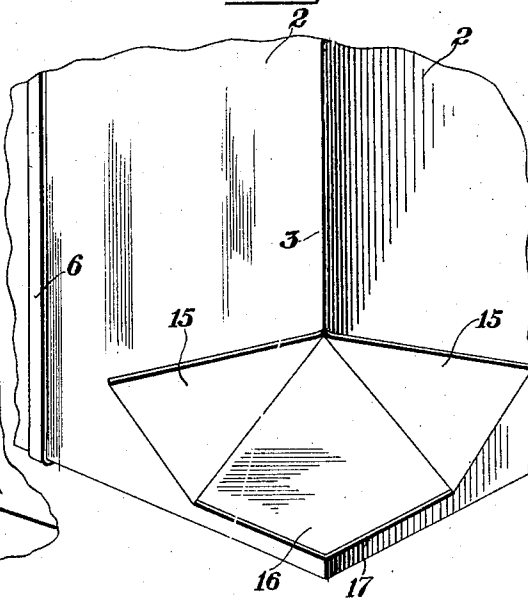
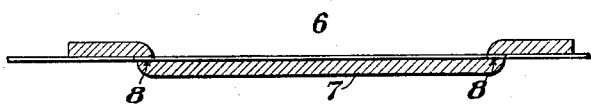


Fig - 4 -



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BOX FOR SHIPPING COAL

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This invention relates to special receptacles and more particularly to a dispensing receptacle in which coal or other material may be shipped and from which the coal may be poured directly into a stove when it is to be used.

One object of the invention is to provide a dispensing receptacle which will be of simple construction but very strong and durable and in which coal or other heavy material may be safely shipped without danger of the receptacle becoming broken or otherwise damaged in transit.

Another object of the invention is to provide the receptacle with a binding strip which will serve to reinforce the end walls of the container and may also serve as a hand hold by means of which the receptacle may be lifted while being carried from one place to another or while the contents are being poured out of the receptacle.

Another object of the invention is to so form the receptacle that a corner portion thereof may be cut in order to form a pouring opening having guide flaps to direct coal poured out of the receptacle into a stove and to further so locate the pouring opening that when side walls of the receptacle are cut to form the same a flange will be formed along the bottom of the opening in order to brace the portion of the lower end wall of the receptacle beneath the opening and prevent this portion of the end wall from bending downwardly.

The invention is illustrated in the accompanying drawing, wherein:

Fig. 1 is a perspective view of the improved dispensing receptacle,

Fig. 2 is a fragmentary view of the corner portion of the receptacle in which the pouring opening is to be formed,

Fig. 3 is a fragmentary perspective view showing the manner in which the flaps are bent outwardly after being cut in order to form the pouring opening, and

Fig. 4 is a fragmentary view showing the strap and hand hold mounted thereon.

The dispensing receptacle indicated in general by the numeral 1 consists of a box formed of corrugated cardboard or of any other

suitable material having sufficient strength to withstand the weight of a quantity of coal when the box is filled but at the same time being capable of being easily cut with a knife. This box or receptacle is preferably oblong in shape, although it may be of any shape desired, which will provide side walls 2 intersecting to form corners 3. The side walls are extended to form flaps 4 and these flaps are bent towards each other to form end walls 5 having inner and outer layers glued to each other, as is customary when forming a box of this type.

After the box has been filled with coal and the end flaps folded inwardly and glued to each other, a metal strip or band 6 is drawn tightly about the box and its ends connected in order to form a reinforcing binding which extends across end walls and along opposed side walls of the box. This binding strap or metal band carries a handle 7 consisting of a strip of strong material, such as tough fiber or leather, and adjacent its ends the handle is formed with slits 8 through which the band passes in order to slidably mount the handle and permit it to be moved to such a position that the box can be easily lifted. By this arrangement the receptacle may be easily carried from one place to another and also held by the handle while coal is being poured out of the receptacle into a stove.

Adjacent one end of the receptacle certain of the intersecting side walls are inscribed with a pair of guide lines 9 normal to the line 3 in which the side walls intersect. There has also been provided a guide line 10 inscribed along the line of intersection 3 and hinge lines 11 joining the outer end of each of the lines 9 to the upper end of the line 10. One wall bears the inscription "To open, cut here" adjacent the line 10, as shown at 12, and along the lines 9 and 11 are printed the inscriptions "Cut here" and "Fold here", as shown at 13 and 14. By cutting along the lines 9 and 10 a pair of flaps 15 are formed, which when folded outwardly provide a pouring opening or spout 16 in a corner portion of the receptacle adjacent one end thereof. It should be noted that since the lines 9 are spaced from the adjacent end wall of the

receptacle a flange 17 will be formed at the bottom of the opening 16 when the box is cut and the flaps bent outwardly, as shown in Fig. 3. Therefore, the corner portion of the
5 bottom or end wall beneath the opening will be reinforced and prevented from bending downwardly and allowing coal to flow too freely from the receptacle. This also eliminates danger of the end wall of the corner portion suddenly giving way while pouring coal
10 out of the receptacle and causing the coal to be spilled instead of flowing into a stove. I have, therefore, provided a receptacle in which coal may be transported and very easily
15 handled both when on sale and when being delivered or used.

Having thus described the invention, I claim:

1. A dispensing receptacle including two
20 plane side walls intersecting in a line and a plane end wall intersecting said side walls in a point at one end of said line, a guide line inscribed along said line of intersection, another guide line normal thereto in-
25 scribed on each of the side walls near the plane of the end wall, and a hinge line connecting the ends of said guide lines and forming therewith a pair of triangular portions, whereby when the receptacle is severed along
30 the guide lines the triangular portions may be folded back along the hinge lines to provide a pair of hinged flaps cooperating to serve as a spout of variable cross section.

2. A dispensing receptacle as claimed in
35 claim 1, in which the pair of guide lines normal to the first mentioned guide line are parallel to and spaced slightly from the plane of the end wall to provide a stiffening right
40 angular flange attached to the end wall when the flaps are opened.

In testimony whereof I affix my signature.

JACK J. DREW. [L. S.]

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