Dec. 18, 1923. 1,477,930

F. K. BARTHOLOMEW ET AL

DUSTLESS CARRIER

Filed Nov. 17, 1922

FIG. 1.

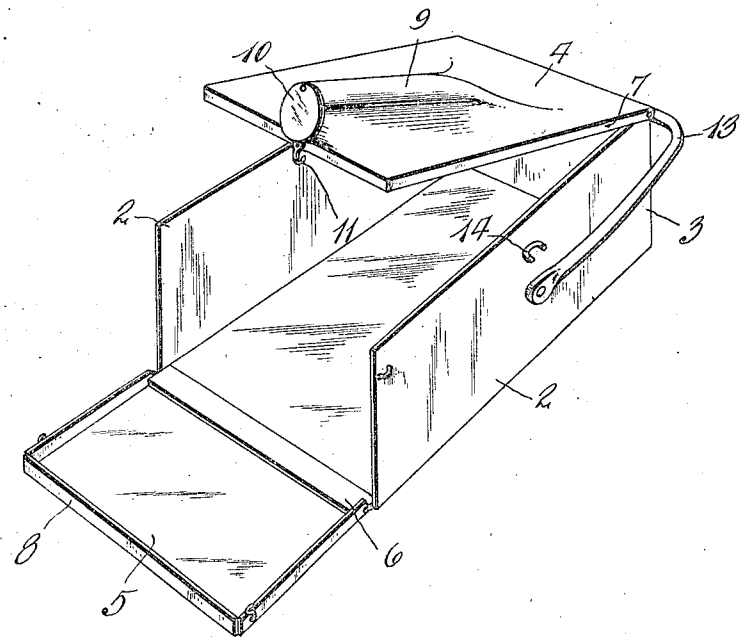
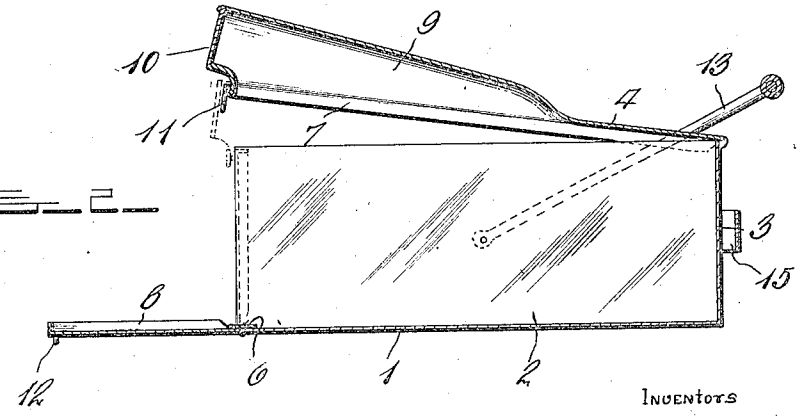


FIG. 2.



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UNITED STATES PATENT OFFICE.

FRANK K. BARTHOLOMEW AND JOSEPH A. RAMAGE, OF McGREGOR, IOWA.

DUSTLESS CARRIER.

Application filed November 17, 1922. Serial No. 601,530.

To all whom it may concern:

Be it known that we, FRANK K. BARTHOLOMEW and JOSEPH A. RAMAGE, citizens of the United States, residing at McGregor, in the county of Clayton and State of Iowa, have invented certain new and useful Improvements in a Dustless Carrier, of which the following is a specification.

Our invention relates to receptacles adapted to be used for transportation of coal or ashes and is particularly designed to receive the ordinary ash pan as used in kitchen and other stoves at present.

The particular object of the invention is to provide a novel and improved carrier so constructed as to be dust-proof and arranged so that a load carried may be dumped by a simple tilting movement of the body of the carrier.

Another object of the invention is to provide a carrier of this type in which the load is completely enclosed and may be dumped without opening any part of the receptacle walls or cover.

With these and other such objects in view, as will be apparent from the description, the invention resides in the novel construction, combination and arrangement of parts hereinafter described and claimed and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective of the carrier in open position; and

Figure 2, a vertical, longitudinal section therethrough.

In detail, the carrier is constructed of metal or other non-combustible material and comprises a substantially rectangular receptacle having a flat bottom 1, side walls 2, a closed end wall 3, a cover 4 pivoted at one end to the top of the closed end wall 3 so that it may be swung thereon, and an end wall 5 hingedly connected to the open end of the bottom 1, so that it may be swung thereon to open the ends of the receptacle.

At the open end of the receptacle the bottom 1 is provided with a metal strip 6 suitably secured thereto and extending outwardly of the receptacle to cover the hinged connection of the wall 5 with the bottom 1. The strip 6 has sufficient flexibility to provide a spring tension, and, at the same time, to effectually cover the hinge to prevent any escape of ashes or dust from within the receptacle. The cover 4 and end wall 5 are provided along their edges with flanges 7 and 8 respectively, which co-act with the side walls 2 to provide a tight closing engagement of the various elements. Along the longitudinal center of the top is formed a spout 9 constructed by suitably curving the material comprising the cover, which spout extends slightly beyond the outer end of the cover, as illustrated in Figure 2, the end thereof being closed by a snap fastener lid 10.

The cover 4 carries a hook 11 adapted to engage a stud 12 on the pivoted end wall 5 whereby the cover may be secured and fastened in place. A swinging handle 13 is provided and pivoted to the side walls 2, being held in an upright position for transportation of the carrier in substantially U-shaped retainers 14 carried on the walls 2. A small handle 15 is riveted on the back 3.

In operation the carrier is placed beneath the usual door of a stove with the end wall 5 in lowered position and the cover raised. The ordinary ash pan may then be withdrawn from the stove and placed within the receptacle, after which the end 5 is raised and the cover applied thereover and secured in place. The handle then being lifted will engage, due to inherent slight spring tension in its formation, within the retainers 13 and will be held in an upright position so that the carrier may be transported readily as desired. When it is desired to discharge the load within the container, the handle is released from engagement with its retainers 13 and the body of the receptacle may be tilted upwardly, whereupon the load will be discharged through the spout 9, the snap cover 10 opening by the weight of the material, allowing the contents to be discharged.

While in this preferred form of our invention we have illustrated and described certain details entering into the construction of the invention, we desire it to be understood that we do not intend to limit ourselves to these, but that any modifications may be made in the details thereof, as will fall within the scope of the invention as claimed.

I claim:

1. A device of the character described comprising a substantially rectangular receptacle having a flat bottom, side walls and a closed end wall, a swinging end wall piv-

oted at one end of the receptacle, and a single flanged cover hingedly connected to the closed end wall of the receptacle and adapted to engage over the side walls and swinging end wall when in closed position, and a discharge spout formed in said cover.

2. A device of the character described comprising a receptacle provided with a flat bottom, side walls and a closed end wall, a swinging end wall hingedly connected to one end of the bottom, a cover hingedly connected to the closed end wall and adapted to engage over said side walls and swinging end wall when in closed position, and a spring tension cover strip secured on the inner side of said bottom and extending over the hinged connection of said swinging end wall and bottom and bearing against the inner side of the end wall.

3. A device of the character described comprising a receptacle provided with a flat bottom, side walls, and a closed end wall, a swinging end wall hingedly connected to said bottom at one end thereof, a spring tension cover plate secured on said bottom and extending over the hinged connection of said swinging end wall and bottom to provide a dust-proof cover therefor, and a cover for said receptacle hingedly connected to said closed end wall, said cover being provided with a raised longitudinal spout thereon, said spout extending beyond the end of the receptacle, and a cover for said spout.

In testimony whereof we affix our signatures.

FRANK K. BARTHOLOMEW.
JOSEPH A. RAMAGE.