

No. 749,559.

PATENTED JAN. 12, 1904.

J. HOVAS.
DUMPING CART.

APPLICATION FILED SEPT. 21, 1903.

NO MODEL.

Fig. 2.

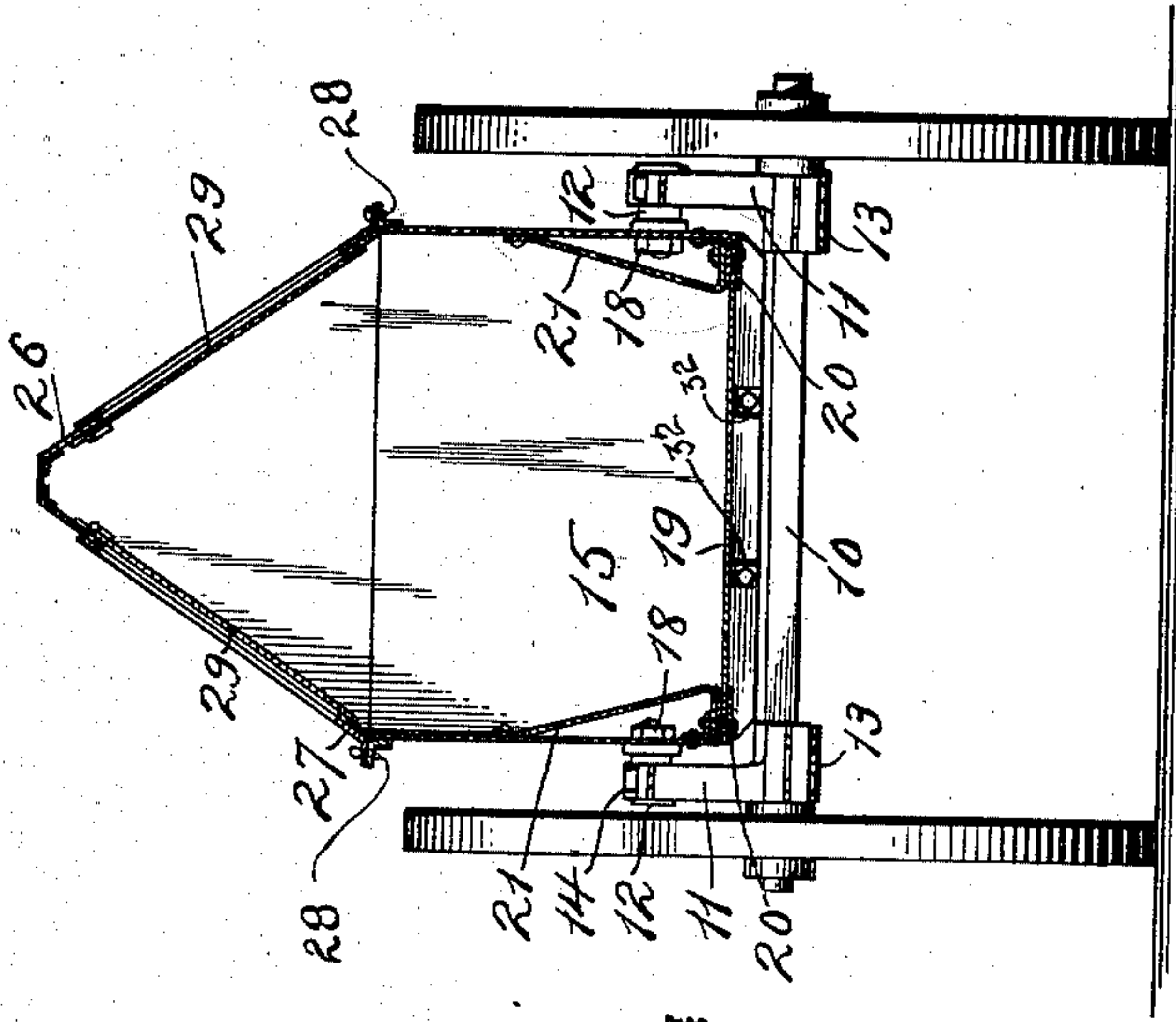
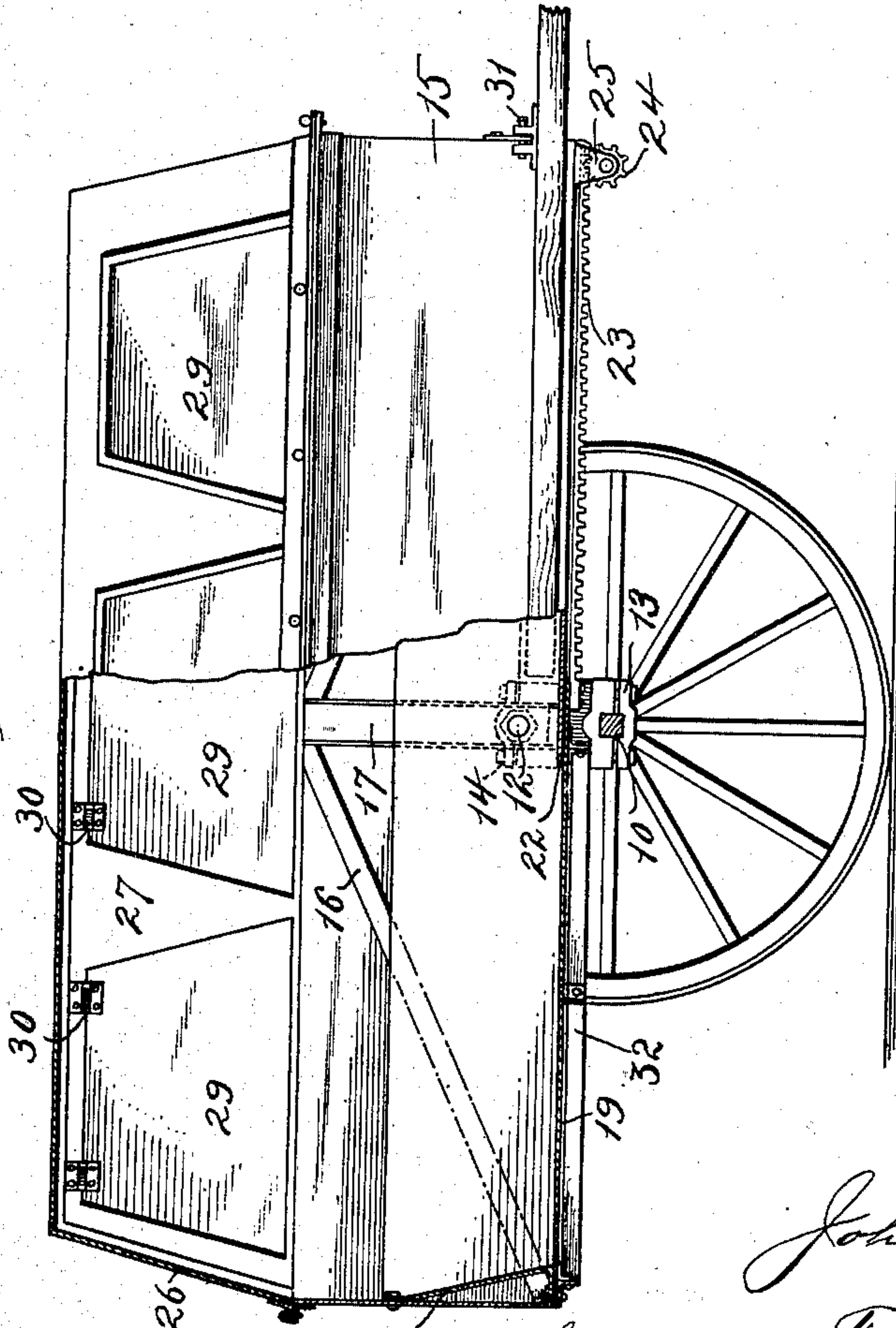


Fig. 1.



Witnesses
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DUMPING-CART.

SPECIFICATION forming part of Letters Patent No. 749,559, dated January 12, 1904.

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To all whom it may concern:

Be it known that I, JOHN HOVAS, of New York, in the county and State of New York, have invented certain new and useful Improvements in Dumping-Carts; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The principal object of this invention is to provide an improved dumping-cart, especially designed for the collection of ashes from residences and other buildings and so constructed as to prevent the unhygienic and injurious dust that usually accompanies the use of an ash-cart, both when the cart is receiving its contents and when it is depositing them, after being filled, at the dumping-grounds.

With this and other objects in view, as will hereinafter appear, the invention consists of certain constructions, arrangements, and combinations of parts hereinafter fully described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation, partly in section, of my improved dumping-cart; and Fig. 2 is a vertical transverse section thereof.

The cart in the present instance is of the two-wheel type, and on its axle 10 are rigidly secured two vertically-extending posts 11, in each of which is mounted a trunnion 12. Both the posts 11 and trunnions 12 are preferably held to their respective supports in a detachable manner by bolted plates, (designated 13 and 14, respectively.)

The body 15 of the cart, preferably formed of suitably-light sheet metal braced at the corners and edges by angle-beams and also braced, as shown at 16 17, Fig. 1, is mounted on the trunnions 12 at about its middle, so as to tilt easily in a vertical plane, and is secured to the trunnions by means of nuts 18, so that it may be detached when desired, and the said body is provided with a longitudinally-slidable bottom 19, preferably of a length to extend from the rear side of the body to a point above the axle 10. The said slidable bottom 19 is mounted between upper and lower guide-strips 20, forming two longitudinal guideways extending along the lower

edges of the sides of the body, and also along said sides the body is provided with interior plates 21, secured rigidly thereto and angular in cross-section, as shown, the said plates being inclined and converging toward each other at the bottom and also projecting over the guide-strips, whereby to prevent the same from being clogged up with ashes and to direct all the ashes onto the bottom instead of permitting some to remain on said guide-strips.

The slidable bottom 19 laps under the stationary bottom 22 of the cart-body 15, and to its forward edge is secured a rack-bar 23, meshing with a pinion 24, supported in hangers 25, secured to the body 15, so that when said pinion is turned by a detachable crank-handle or the like the rack-bar will be moved forwardly and will draw forwardly the slidable bottom 19, so as to form a discharge-opening for the ashes. The slidable bottom is prevented from sagging by longitudinal and transverse braces 32, secured to the body and sufficiently far apart to in no wise interfere with the proper discharge of the ashes.

The top 26 of the cart, which is pyramidal in shape, with inclined sides 27, is, like the body 15, preferably constructed of sheet metal braced with angle-beams and is detachably secured to the body, preferably by winged bolts 28, joining together flanges secured to the contiguous edges of the top and body, respectively. At suitable intervals on the inclined sides 27 are mounted doors 29, hinged at their upper edges to swing inwardly and normally held and returned to the closed position by springs 30, which in the present instance are wound around the pintles of the hinges.

In practical use the cart is conveyed on its rounds with the body held in its normal horizontal position by the detachable pin connection 31 between the shafts and body, and it is filled by the attendant pushing the various cans or other receptacles in an inverted position against any of the doors, which will yield and swing inwardly to provide an opening for the reception of the ashes. As soon as the can is withdrawn the door will automatically swing outwardly and close immediately, thereby preventing the clouds of dust that usually

