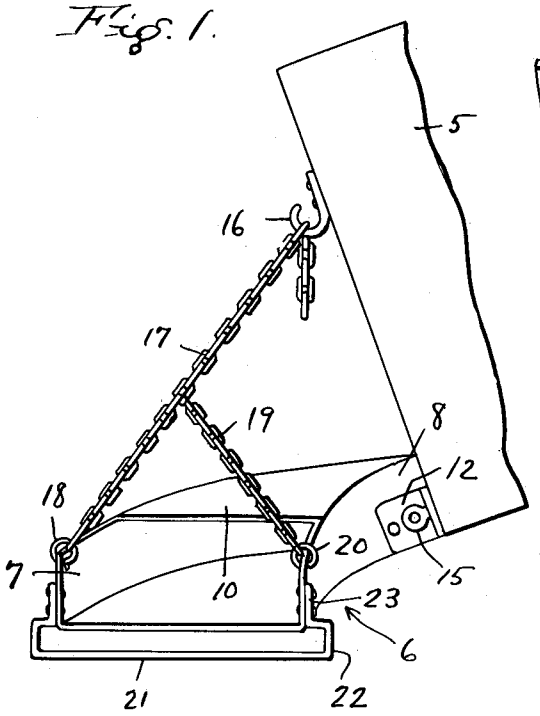
May 13, 1930. C. W. WARNECKE 1,758,208

COAL CHUTE FOR DELIVERY WAGONS

Filed May 23, 1929

Fig. 1.



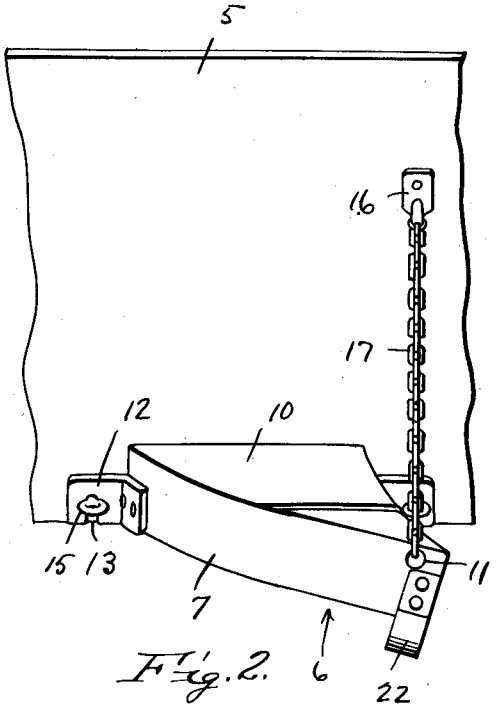


Fig. 2.

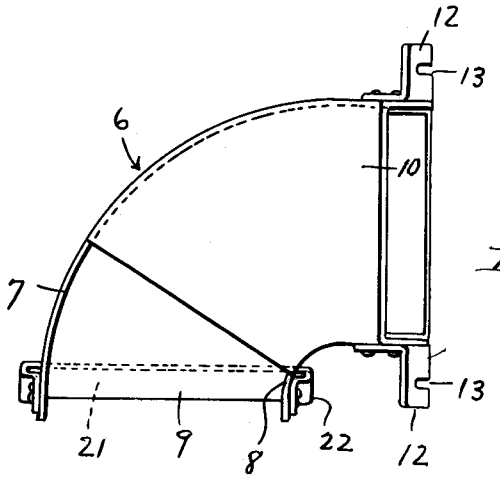


Fig. 3.

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1,758,208

UNITED STATES PATENT OFFICE

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COAL CHUTE FOR DELIVERY WAGONS

Application filed May 23, 1929. Serial No. 365,434.

The present invention appertains to new and useful improvements in chutes for delivery wagons of a construction to permit the delivery of coal or other material from the wagon to the point located at right angles to the wagon, so that in delivering coal or other material, the delivery wagon may pull up parallel to the curb and not project out into the street, which presents an obstructive condition to the passage.

The principal object of this invention is to provide a coal chute attachment for delivery wagons which can be readily attached to the discharge end of the wagon to permit the delivery of the wagon contents to a point located laterally with respect to the wagon.

Another important object of the invention is to provide an attachment for delivery wagons which is of simple construction and which will not cost materially more to manufacture than structures of this character now in use.

These and numerous other important objects and advantages of the invention will become more apparent to the reader after considering the invention as described and claimed hereinafter.

In the drawings:

Figure 1 represents a fragmentary side elevation of a delivery wagon body equipped with the improved chute attachment.

Figure 2 represents an end view of the delivery wagon, showing the improved chute attachment connected thereto.

Figure 3 represents a top plan view of the novel attachment.

Referring to the drawings, wherein like numerals designate like parts, it will be seen that the numeral 5 denotes the body portion of a conventional delivery wagon, which is provided with the usual discharge opening, through which the contents of the wagon may be emptied.

The novel chute attachment consists of a unit, generally referred to by numeral 6, including a long side wall 7, and a relatively short side wall 8, both curved from the same center. The ends of the side walls terminate on right angularly disposed sides, as is apparent from an examination of Figure 3.

The chute attachment is provided with a bottom side, which connects the lower edges of the side walls and terminates at its ends flush with the ends of the side walls.

A top wall 10 is also provided, connecting the upper edges of the side walls from a point starting at the inner ends of the side walls and terminating at a point inwardly from the outer ends of the side walls, as is evidenced by Figure 2. The portions of the side walls not covered by the top wall 10 are provided with openings 11.

Angle brackets 12—12 are secured to the inner ends of the side walls and project laterally in the manner shown in Figure 3. Each of the brackets has an upwardly extending notch 13 in its laterally disposed portion to receive the shank portion of a corresponding screw 15 threadedly engaged to the rear wall of the delivery truck.

The rear wall of the delivery truck is provided with a hook 16 secured thereto and at a point above the discharge opening (not shown in the drawings) and to this hook may be engaged one end of the chain 17, while the opposite end of the chain is provided with a ring 18 for disposition through one of the openings 11 in one of the side walls. A branch chain 19 extends from the intermediate portion of the chain 17 and connects by a ring 20 to the opening in the opposed side walls of the chute. A strap 21 is disposed beneath the outer end of the chute in spaced parallelism with the same, and has its end portions bent upwardly as at 22 and inwardly as at 23, for attachment to the side walls of the chute, thus providing a rest for supplemental chute sections that may be interposed between the novel chute section and the point at which the material is to be deposited.

With reference to Figure 2 it will be observed that the engagement of the bracket 12 with the fastening devices 15 will not only hold the chute in place but will hold the chute against spreading under the influence of the pressure thereon.

It will thus be seen that material from the truck may be delivered to a point laterally remote therefrom as through the coal win-

low of a building, while the delivery truck is parked parallel to the curb.

While the foregoing description has been in detail, it is to be understood that various changes in the specific shape, size and materials may be resorted to, without departing from the spirit and scope of the invention as claimed hereinafter.

What is claimed as new is:

1. In a coal handling apparatus, an arcuate open ended chute having side, bottom and top walls, brackets carried by the inner portions of said side walls and having notches opening out through the lower edges thereof, and combination fastening and restraining devices adapted to be received in said notches, and a flexible supporting element secured to the outer portions of the side walls of the chute.

2. In a coal handling apparatus, an arcuate open ended chute having side, bottom and top walls, brackets carried by the inner portions of said side walls and having notches opening out through the lower edges thereof, fastening devices adapted to be received in said notches, flexible supporting means secured through the outer portions of the side walls of the chute, the top wall of said chute terminating short of the outer ends of said side walls thereby opening the top of the chute at the outer portion thereof.

In testimony whereof I affix my signature.

CHARLES W. WARNECKE.