This invention relates to a cement receiving and discharging device, particularly used in connection with trucks or wagons which are used for transporting cement, sand, and gravel or crushed rock, from a receiving point to a discharging or distributing point.

Cement, sand or gravel, or similar materials, are sometimes carried in a dry state out to the concrete mixer and it is desirable that the cement be kept separate from the other ingredients. It is also desirable that the right proportion of cement be introduced with the remaining ingredients, such as sand, gravel and water, to make the proper mixture. I have therefore provided a cement receptacle which may receive the cement in mixed quantities from a hopper above the wagon body and retain it separate from the remaining ingredients during transportation to the point of consumption, and the cement receptacle is so constructed that it will automatically release the cement when the wagon body is dumped.

The novelty of the invention will be understood by referring to the following description in connection with the accompanying drawing in which:

Fig. 1 is a perspective view of the rear of a wagon body to which my invention is applied.

Fig. 2 is a top view of the cement receptacle detached.

Fig. 3 is a rear end view showing the gate valve.

Fig. 4 is a side view of the receptacle.

Fig. 5 is an enlarged view of the receptacle gate or door latching means.

The wagon body may be of suitable construction with an end gate 2 and it may be supported on the usual wheeled frame 3. The wagon body is adapted to contain the dry ingredients, other than the cement, which is used for the mixture.

This is discharged into the wagon body in a convenient way. Within the wagon body is a tubular receptacle 4 having an elbow 5 open at its end 6, the tubular member 4 being closed at its rear end by a hinged valve or gate 7 to which is connected a rod 8 by a screw-bolt 9. The rod has a bend 10 in it to conform to the bend of the tubular member made at the elbow, and this may be reinforced by a short member 11, if desired. The rod 8 has one end 12 accessible through the opening 6 and near that end is a hooked-shape member 13 to engage an angle-shaped bracket or keeper 14. The free end of the rod is provided with a handle 15. There are two cradles 16 and 17 which support the tubular member 4. One of them has a forked body-wall-engaging member 18 which slips over the front of the wagon body and which may be secured thereto by a clamping screw 19, or so as to hold one end of the tubular member 4 above the wagon body.

The cradle 17 has two legs or feet 20 and 21 which rest upon the floor of the wagon body. When the parts are in the position shown in Fig. 1, and the lever-hook 13 engages its keeper so that the gate 7 is held closed, the wagon is located to receive the dry ingredients, except the cement, in the body. A spout from the cement hopper delivers cement through the open elbow extension 5 where it gravitates down into the tubular member 4, then the wagon or truck is driven to the concrete mixer or other locations where the ingredients are to be delivered, and the operator releases the gate 7 by slipping the lever 13 from the keeper 14, then the cement gravitates into the wagon-bed to mix with the other dry ingredients, in a well understood manner.

The advantage of this device is that the materials can be received, transported and delivered by a truck in a more expeditious manner than in the case where the cement is delivered in sacks, so that the cost of construction work is materially lessened because of the absence of delays in handling the material.

What I claim and desire to secure by Letters Patent is:

1. A cement carrier to be attached to wagon-bodies comprising a tubular member having a gate at one end and open at the other, means for supporting the tubular member in inclined position and means accessible through the open end of the member to operate the gate.
2. A cement carrier comprising a tubular member having an elbow extension open at its end, a gate at the other end of the member, a rod within the member connected to the gate, a latch for the rod, means on the member to engage a vehicle body, and means on the other end of the member to support said other end below the first, so that the tubular member will be held in an inclined position.
3. A cement carrier comprising a tubular member having an angular extension open at its end, a gate at the other end of the member, means for operating the gate, a clamping member to engage the front wall of a vehicle body having a seat to receive the tubular member to support it in an inclined position and means for supporting the lower end of the tubular member below the upper end.
4. A cement carrier to be attached to wagon bodies, comprising a tubular member having a gate at its lower end and open at the top, means for supporting the tubular member in inclined position, a rod passing through the tubular member attached to the gate for moving it into open and closed positions and a latch for the rod engageable therewith to hold the gate in closed position.

5. A cement carrier comprising a tubular member having an elbow extension at its upper end to receive cement to deliver it into the body of the tubular member, a cradle for engagement with the front wall of a vehicle body to support the upper portion of the tubular member above the lower portion thereof and a gate at the lower end of the tubular member movable into open position to permit the cement to gravitate through the tubular member.

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