

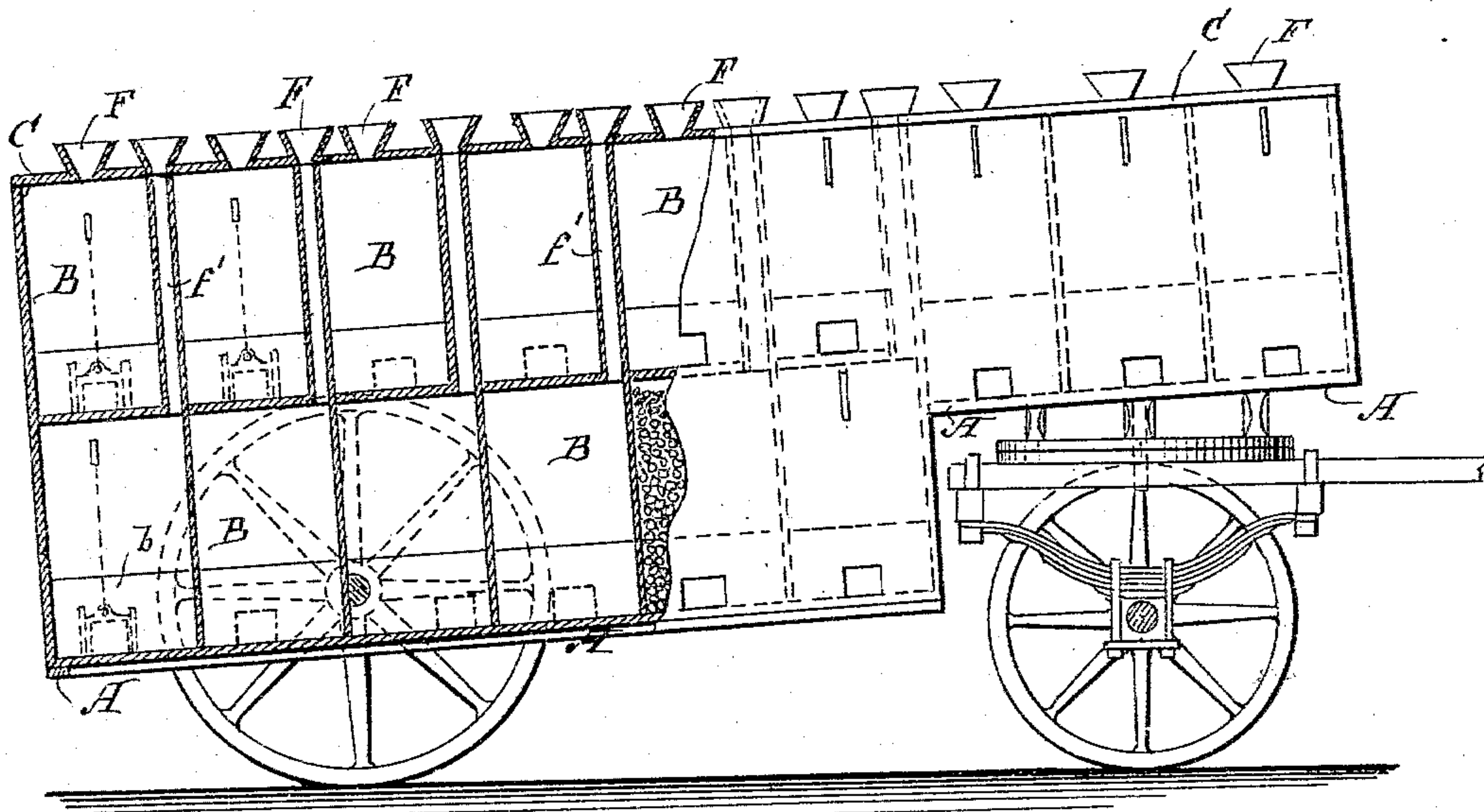
(No Model.)

J. E. WALSH.  
COAL WAGON.

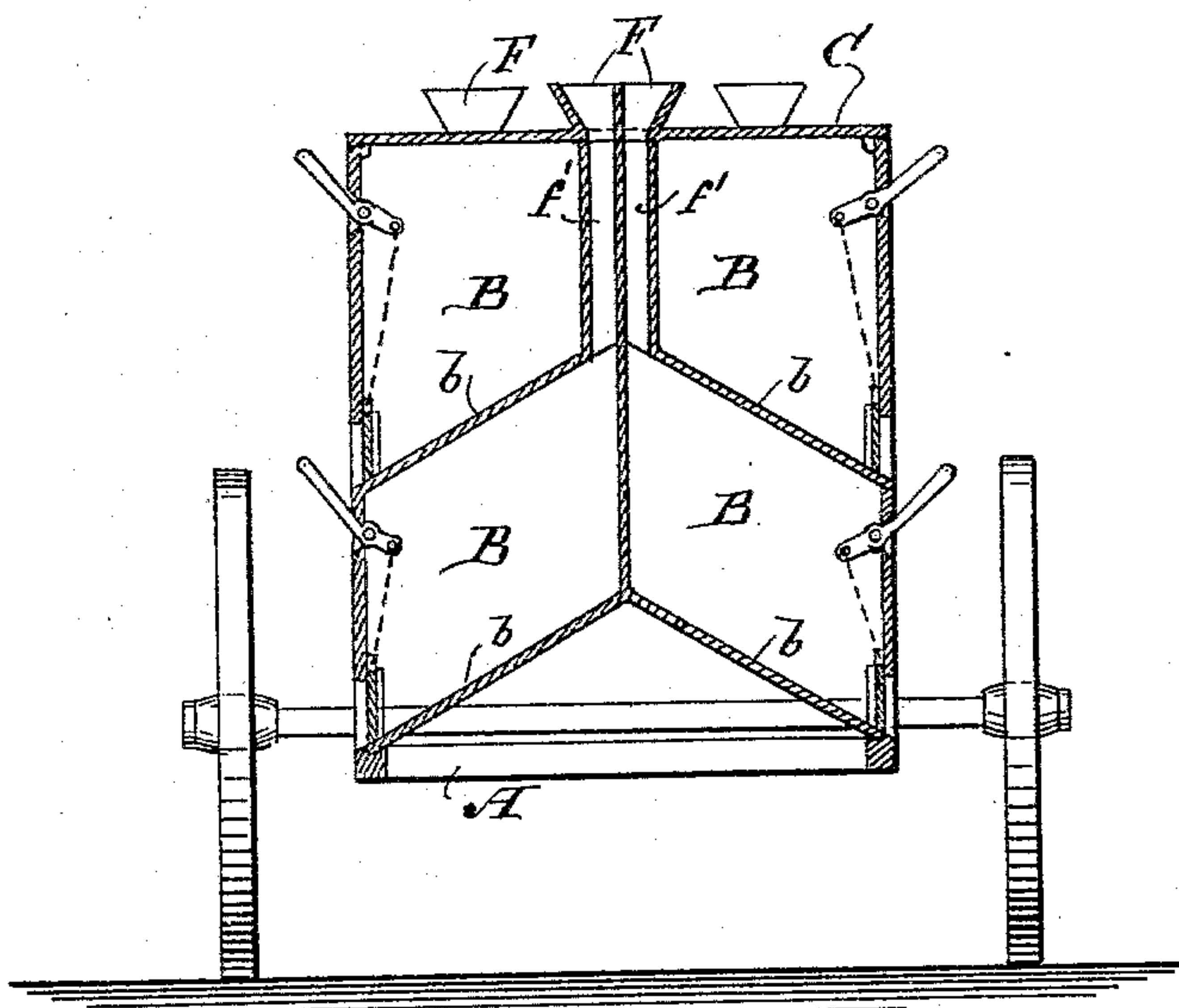
No. 551,420.

Patented Dec. 17, 1895.

*Fig. 1.*



*Fig. 2.*



*Witnesses:*

*J. J. Ryan.*

*Peter Rogers.*

*Inventor:*

*John E. Walsh*

*per Charles Raettig*  
*his Attorney*

# UNITED STATES PATENT OFFICE.

JOHN E. WALSH, OF NEW YORK, N. Y., ASSIGNOR TO MARY A. WALSH, OF  
SAME PLACE.

## COAL-WAGON.

SPECIFICATION forming part of Letters Patent No. 551,420, dated December 17, 1895.

Application filed August 3, 1895. Serial No. 558,047. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN E. WALSH, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Coal-Wagons, of which the following is a specification.

My invention relates to improvements in coal-wagons; and the object of my invention is to provide a movable magazine from which coal can be sold in measured quantities—for instance, one-half or one-quarter of a ton at a time—to the numerous small consumers of coal, without delay, and the driver can serve a considerable number of customers with one trip of the coal-wagon.

In the accompanying drawings, Figure 1 is a side elevation of the coal-wagon, partially in section. Fig. 2 is a transverse section through the same.

Similar letters represent similar parts throughout both views.

Upon a frame A are mounted two rows of closed bins B in front, and four rows of bins B at the rear end of the wagon, preferably in the manner shown in the drawings.

Upon the top cover C of the wagon are mounted a series of funnels F, one for each bin, part of which is connected with flues *f'* passing through the upper bins and leading into the top of the lower bins.

Each bin B is provided with a slanting bottom *b* inclined toward one side of the wagon, and has the customary discharge-opening closed by a slide-valve.

In the drawings two rows of bins are shown in front of the wagon, and four arranged in pairs one above the other at the rear end of

the wagon, but I do not confine myself to this arrangement, but may arrange a number of bins with slanting bottoms in any other suitable manner upon the wagon-frame.

The axles and wheels of the wagon are attached to the frame in the customary manner.

In employing my invention, the driver will first stop the wagon in such a position that the front bins are placed under the hopper of a weighing-machine into which the coal is fed from an elevator or the hopper of an elevated storage-bin.

The front bins of the wagon having been filled, the latter is gradually drawn forward until the second pair of bins is placed under the hopper of the weighing-machine, and so on until all the bins are filled, when the coal-wagon is ready to start on its delivery trip.

It is evident that this mode of delivery will save considerable time and thereby reduce the cost of transportation.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

In a coal wagon, the combination of bins B, having inclined bottoms *b*, and arranged in pairs, one above the other, with a common cover C, the funnels F and flues *f'* leading to the lower bins, as and for the purposes herein shown and set forth.

Signed at New York, in the county of New York and State of New York, this 2d day of August, A. D. 1895.

JOHN E. WALSH.

Witnesses:

HENRY C. MECKLEM, Jr.,  
A. F. STEWART.