

998,724.

Patented July 25, 1911.

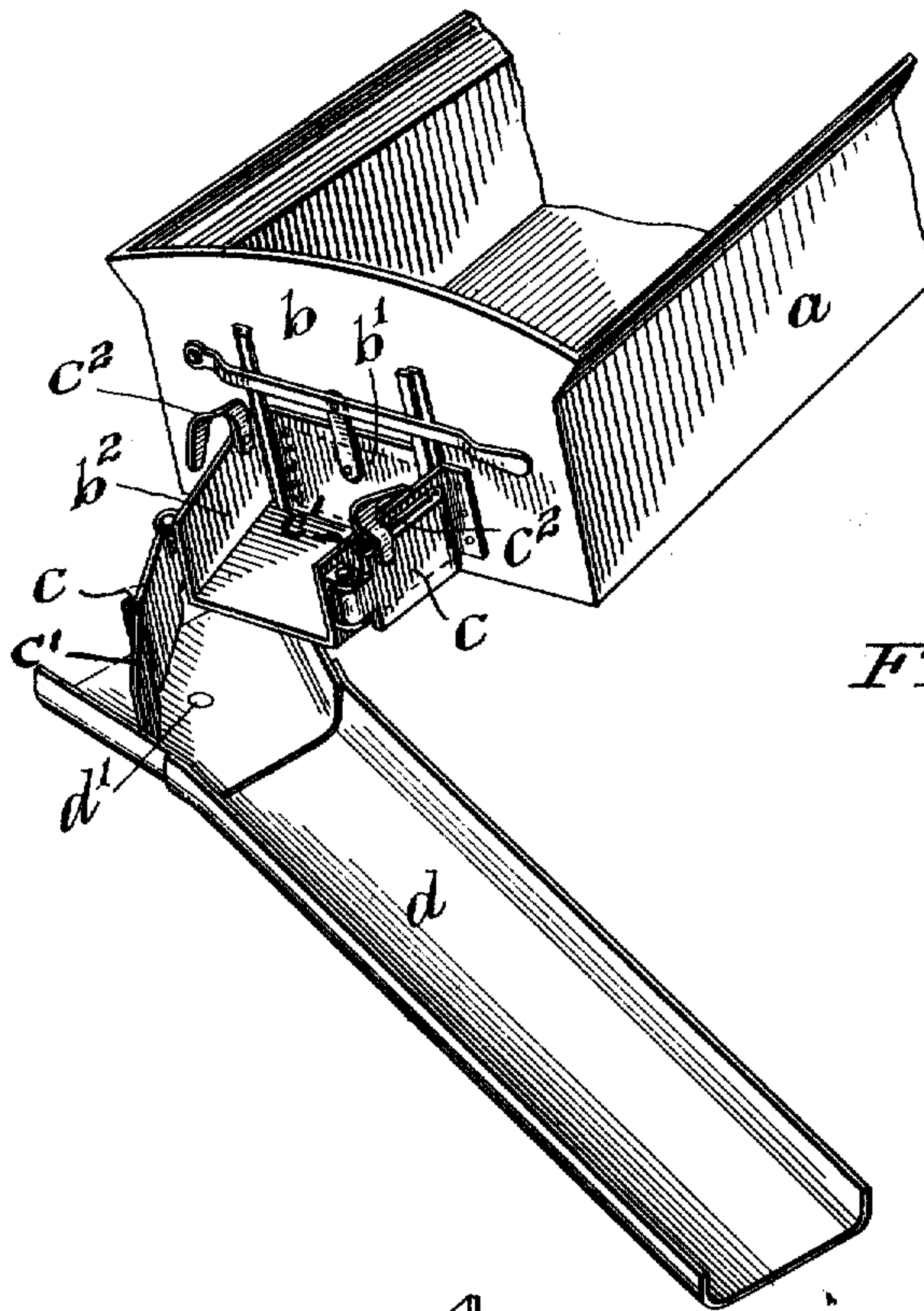


FIG. 1.

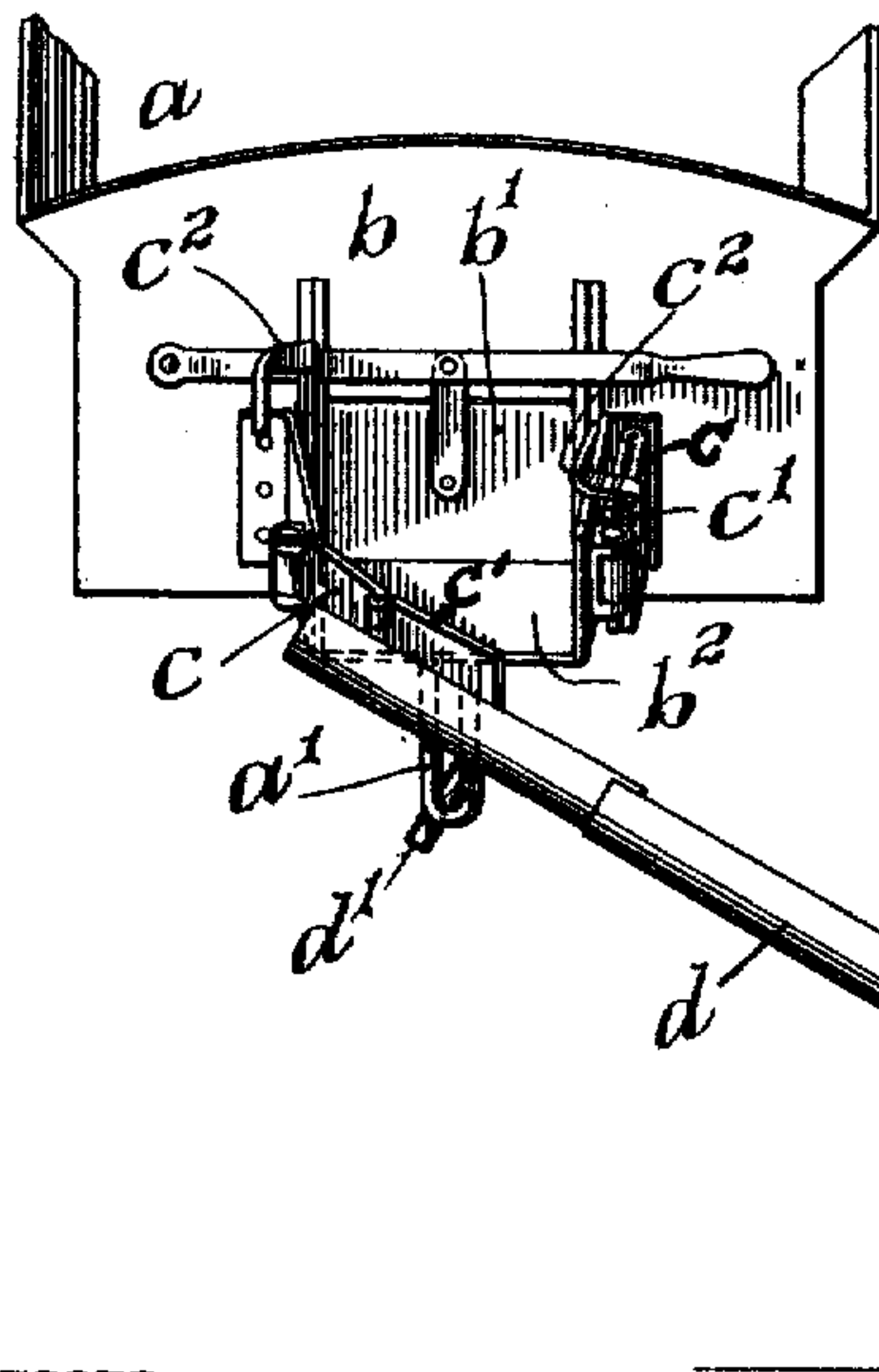


FIG. 2.

WITNESSES
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UNITED STATES PATENT OFFICE.

JAMES E. TOWNSEND, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO PEOPLES WAGON COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

CHUTE COAL-WAGON.

998,724.

Specification of Letters Patent.

Patented July 25, 1911.

Application filed February 10, 1911. Serial No. 607,758.

To all whom it may concern:

Be it known that I, JAMES E. TOWNSEND, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Chute Coal-Wagons, of which the following is a specification.

My invention has relation to a foldable connection attached to the discharge throat for use in connection with a manually shiftable chute coal wagon to provide thereby for any particular required coursing of the coal or other matter from the wagon; and in such connection my invention relates particularly to the structural arrangement of the connection and particular manner of infolding and locking of the same against the wall of the projecting discharge throat of the coal wagon, when not in use.

The nature and scope of my present invention, as above defined, will be more fully understood from the following description taken in connection with the accompanying drawings forming part thereof, in which—

Figure 1, is a perspective view, in broken section, of the rear portion of a chute-wagon body, showing the discharge throat thereof and on both sides infolding connections and locking devices therefor and a manually shiftable chute, the said connections being provided for effecting coursing of the contents of the wagon-body along said shiftable chute and embodying main features of my said invention; and Fig. 2, is a rear end elevational view of the chute-wagon body, showing the discharge throat of the same, with the infolding coursing connections lockingly held thereto.

Referring to the drawings, *a* is a chute-wagon body with the operating mechanism omitted, as shown.

b, is the rear end of the wagon, having a slide *b*¹, provided therein.

*b*², is a discharge throat applied to the rear end of the wagon-body and of tapering form in the direction of the free end of the same. The outer wall of the throat on each side is provided with hinged wings *c* and *c*¹, which are pivoted to the wall and arranged to infold onto each other and to

be shifted against the wall of the said throat, as clearly shown in Fig. 2.

*c*², are irregular curve-shaped clips or hooks pivoted to the inner wall of the throat and extending over the same so that by manually shifting to hold the infoldable wings in compact form, that is, in inoperative relation close to the wall of the throat *b*².

d, is a manually operative chute having a pin *d*¹, extending from the bottom of the same to engage a slotted track or way *a*¹, secured to the under side of the bottom of the wagon-body *a*, and which pin *d*¹, permits of shifting of the chute *d*, into different angular positions in the track or way with respect to the position of the wagon-body *a*. When the desired position of the chute has been arrived at in respect to the wagon-body and discharge throat *b*², the clip or hook *c*² is lifted and the infolded hinged wings *c* and *c*¹, on one side are extended to assume an angular relation, as shown in Fig. 1, so that when the wagon-body has been tilted and the slide *b*¹, has been raised the contents of the wagon-body can be discharged aided by the coursing connection established between the throat *b*² and chute *d*. It will thus be seen that by the use of such connections as *c* and *c*¹, the contents of the wagon-body can be readily discharged, without side spilling of the contents over the chute, and also that the wagon can be brought closer to a street curb for effecting discharge uniformly, by the use of such a connection as described than could be done, without the use of the same.

Having thus described the nature and objects of my invention, what I claim as new and desire to secure by Letters Patent is:—

In a chute-wagon having a discharge throat, double hinged wings movably connected with each side of said throat and means to hold said wings in an infolded condition against the sides of said throat.

In testimony whereof, I have hereunto set my signature in the presence of two subscribing witnesses.

JAMES E. TOWNSEND.

Witnesses:

THOMAS M. SMITH,

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."