W. FIELDS.

Dumping-Wagons.

No. 144,608. Patented Nov. 18, 1873.

Fig. 1.

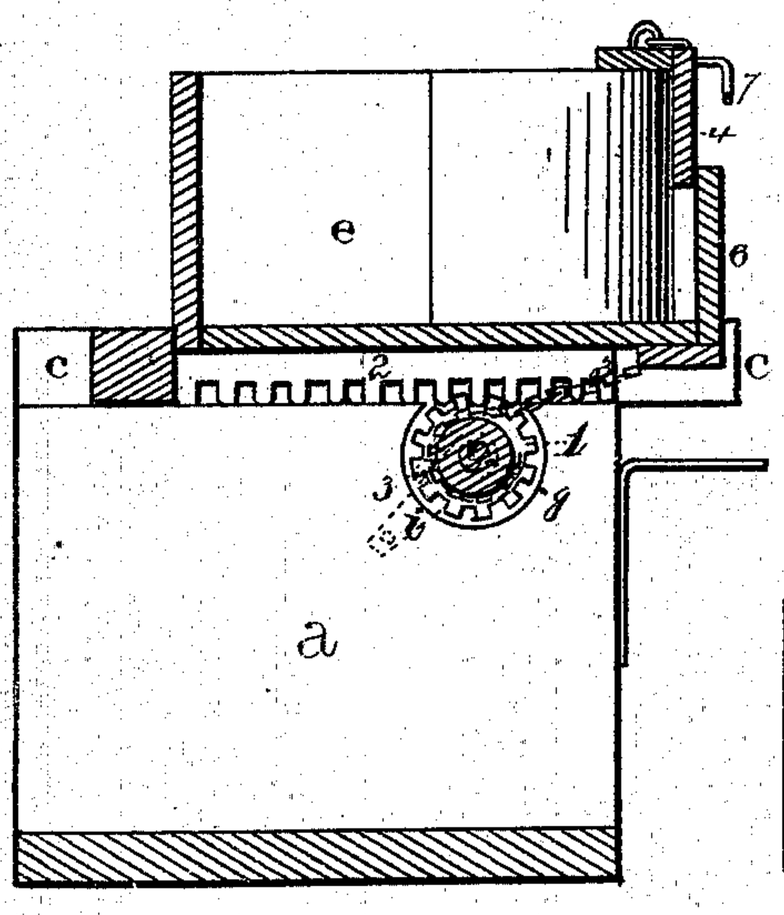


Fig. 3

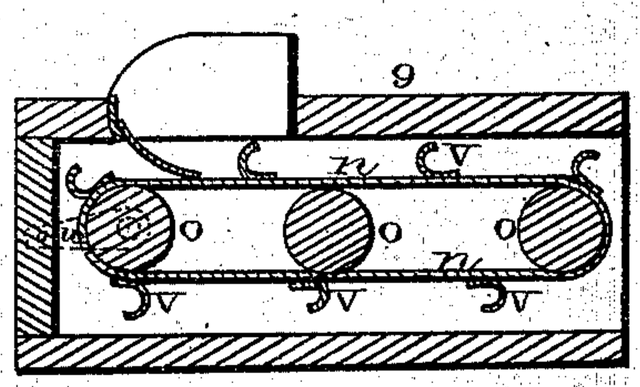
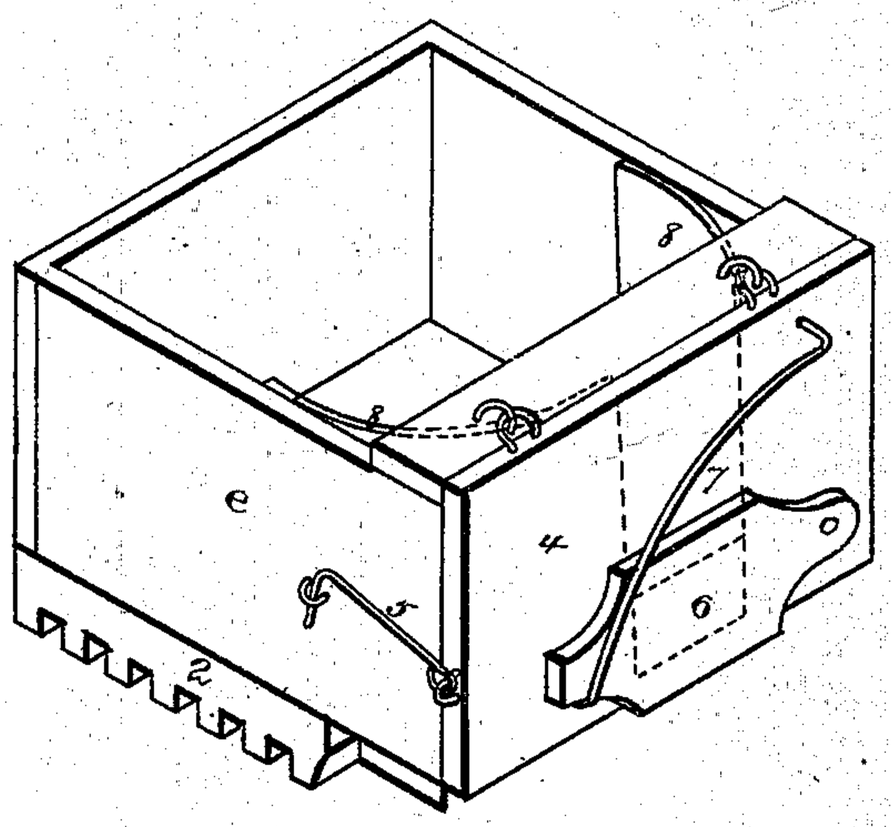


Fig. 2.



WITNESSES.

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UNITED STATES PATENT OFFICE.

WILLIAM FIELDS, OF WILMINGTON, DELAWARE.

IMPROVEMENT IN DUMPING-WAGONS.

Specification forming part of Letters Patent No. **144,608**, dated November 18, 1873; application filed August 20, 1873.

To all whom it may concern:

Be it known that I, WM. FIELDS, of Wilmington, in the county of New Castle and State of Delaware, have invented certain new and useful Improvements in Carts or Wagons for Hauling Coal; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

The nature of my invention relates to an improvement in wagons or carts for hauling coal; and it consists in the arrangement and combination of devices, which will be more fully described hereafter, whereby the coal can be transferred from the cart into the cellar without the dust and dirt that usually attend such an operation, and without stopping the travel along the sidewalk while it is being done.

The accompanying drawing represents my invention.

a represents the frame of the wagon or cart, of any desired shape or size, which has a guide or way, *c*, secured to each of its top edges, so as to guide the body *e* back and forth in its movements. Across the top of the rear end of the frame there extends a shaft, *g*, having a crank, *i*, upon one end, for giving it motion, and a pinion, 1, upon each side of the frame, which gear with racks 2, formed on the under sides of the body *e*, so as to move it back and forth, the body being fastened to the shaft by means of straps or chains 3, so that it can be drawn backward into position, to be moved by the pinions after having been tilted back to dump its load. Hinged to the rear end of the body, at the top, is a gate, 4, held shut by hooks or other suitable devices, 5, which is used when it is desired to dump the whole load at once into a yard or other place. Through this gate is made an opening of any desired size, which is closed by the pivoted sliding door 6, which moves up and down inside of the guide 7, so that the discharge of the coal can be regulated at will. Secured to the inside of the gate 4 there is attached a curved guide, 8, on each side of the opening, so as to guide the whole body of the coal directly to it when the body is tilted back, without the trouble of having to use a shovel to force it over from the corners.

When it is desired to run the coal directly into the cellar without dumping it upon the pavement, a chute, 9, made long enough to reach across the pavement, is provided, closed upon all four sides, so that no dust can escape, and foot passengers can step on or over it as they pass along. This chute is made of any desired dimensions, having an opening through the top at the outer end, through which the coal passes from the opening through the gate 4.

Inside of the chute are placed a number of rollers, *o*, over which is passed an endless apron, *n*, made of canvas or leather, and which is provided with the buckets *v*.

By tilting the body back, and regulating the speed at which the coal runs into the chute, and then turning the crank *u*, the apron will carry it forward and discharge it directly into the cellar, without the slightest dust or dirt.

For transportation, the chute will be placed upon the top of the wagon or cart, and carried from place to place.

Having thus described my invention, I claim—

1. The combination of the body *e*, hinged gate 4, small door 6, and curved sides 8, substantially as set forth.

2. The closed chute 9, in combination with the endless apron having buckets for carrying the coal across the sidewalk, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand.

WILLIAM FIELDS.

Witnesses:
JNO. H. PUHL,
GEO. AINSCOW.