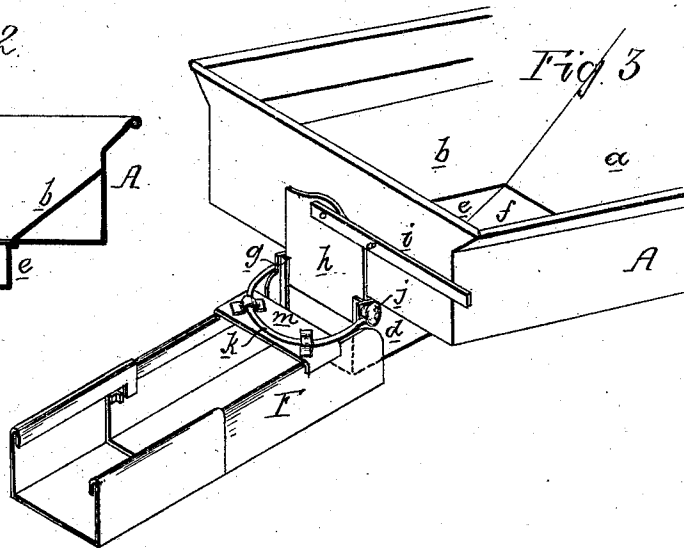
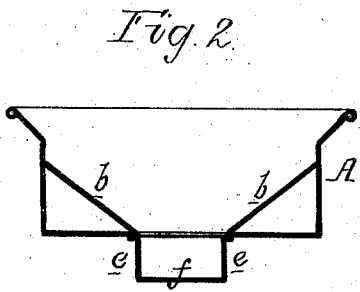
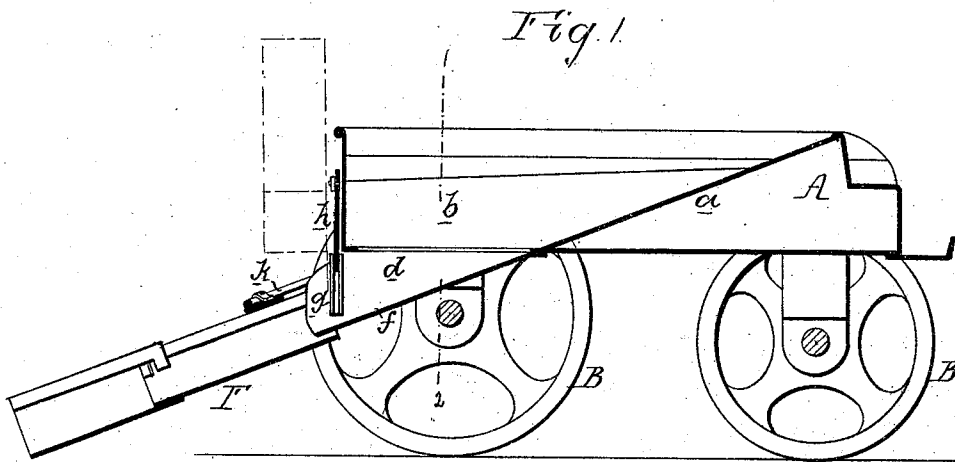


H. D. HIGH, H. U. & I. GEIGER.

DUMPING-WAGON.

No. 173,629.

Patented Feb. 15, 1876.



Witnesses,
Harry Hays
Harry Smith

Henry D. High,
H. H. Geiger and
Isaac Geiger
by their Attorneys,
Horsman and Son

UNITED STATES PATENT OFFICE.

HENRY D. HIGH, HERMAN U. GEIGER, AND ISAAC GEIGER, OF READING,
PENNSYLVANIA.

IMPROVEMENT IN DUMPING-WAGONS.

Specification forming part of Letters Patent No. 173,629, dated February 15, 1876; application filed
November 6, 1875.

To all whom it may concern:

Be it known that we, HENRY D. HIGH, H. U. GEIGER, and ISAAC GEIGER, all of Reading, State of Pennsylvania, have invented certain Improvements in Dumping-Wagons, of which the following is a specification:

The objects of our invention are to so construct a coal-wagon that the contents can be discharged by their own gravity from an opening at the end, and to so attach a chute to the end of the wagon that the contents can be directed to any desired point.

These objects we attain in the manner which we will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is a longitudinal vertical section of our coal-wagon and chute; Fig. 2, a transverse section on the line 1 2, and Fig. 3 a perspective view of the end of the wagon and chute, showing the method of attaching the latter.

A is the body of the wagon mounted upon suitable wheels B B, this body being, in the present instance, rectangular in form, and being provided with a series of inclined partitions, *a* and *b*, forming a false bottom and sides, and converging toward the upper edges of a box, *d*, having vertical sides *e e*, and an inclined bottom, *f*, forming a continuation of the inclined partition *a*. The box *d* is arranged beneath the main body A of the wagon, and its rear end extends slightly beyond the rear end of said body A, and is provided with grooved plates *g*, forming guides for a sliding door, *h*, which can be so operated by means of the lever *i* as to open or close the end of the box *d*, and thus permit or prevent the escape of the contents of the wagon.

The upper ends of the projecting rear por-

tion of the box *d* are provided with pins *j*, to which is pivoted the segmental bar *k*, the latter being embraced by sleeves on a cross-piece, *m*, of the first section of the chute F, the latter being made in two or more sections, capable of sliding one upon the other, so that it can be extended or contracted, as circumstances may require. By this connection the chute can be turned sidewise at an angle to the body of the wagon, or, when not in use, can be folded up, as shown by dotted lines in Fig. 1, and secured in this position by any suitable retaining device.

In some cases the bottom of the box *d* may be arranged to discharge at the side of the wagon-body instead of at the rear, as shown, and the segmental bar *k* may be connected to the bottom instead of to the top of the chute F, if desired.

We claim as our invention—

1. The combination of the chute F, hung to a segmental bar, *k*, with a dumping-wagon having inclined bottom and sides, terminating in an inclined discharge-spout, substantially as set forth.

2. The chute F hung to a segmental bar, *k*, pivoted to the rear end of the wagon, substantially as and for the purpose described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

HENRY D. HIGH.
HERMAN U. GEIGER.
ISAAC GEIGER.

Witnesses:

W. H. MORRIS,
ENOS MORRIS.