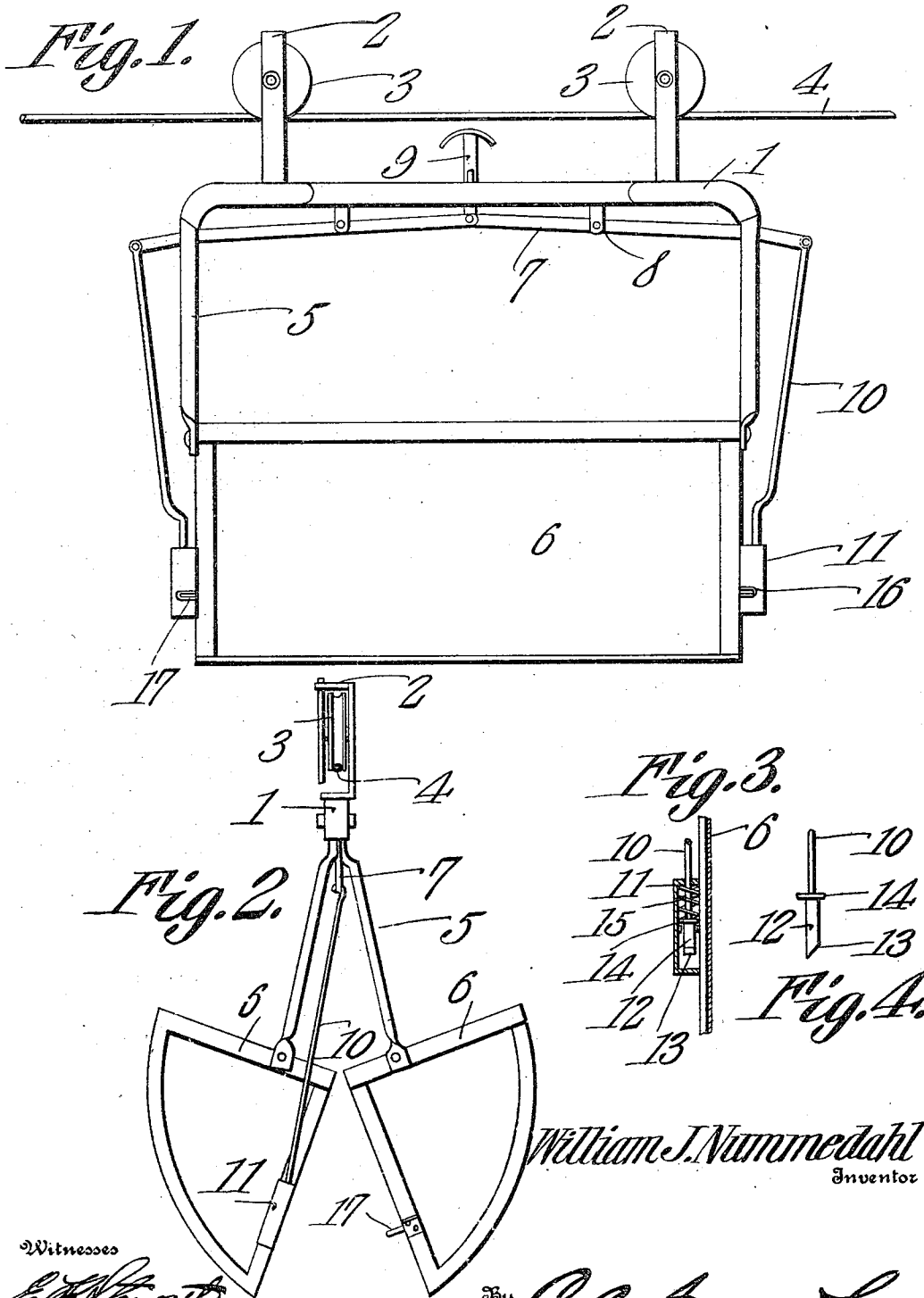


W. J. NUMMEDAHL.
DUMP CARRIER.
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Patented Mar. 22, 1910.



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WILLIAM J. NUMMEDAHL, OF WEST CONCORD, MINNESOTA.

DUMP-CARRIER.

952,936.

Specification of Letters Patent.

Patented Mar. 22, 1910.

Application filed October 16, 1909. Serial No. 523,031.

To all whom it may concern:

Be it known that I, WILLIAM J. NUMMEDAHL, a citizen of the United States, residing at West Concord, in the county of Dodge and State of Minnesota, have invented a new and useful Dump-Carrier, of which the following is a specification.

This invention has relation to dump carriers and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a carrier of the bi-valve type which includes a wheel mounted frame having depending hangers to which bucket sections are pivotally attached. Lever mechanisms are fulcrumed to the frame and are operatively connected with the bolt latches mounted upon one of the bucket sections and the other bucket section is provided with keepers adapted to receive the said bolts. A tappet is connected with the levers and is adapted to come in contact with an obstruction placed upon the track upon which the carrier is adapted to travel in the usual manner.

In the accompanying drawings: Figure 1 is a side elevation of the carrier. Fig. 2 is an end elevation of the same. Fig. 3 is a detail sectional view of one of the bolt mechanisms used upon the carrier. Fig. 4 is a detail view of one of the bolts detached.

The carrier includes a frame 1 having vertically disposed arms 2 to which are journaled supporting wheels 3. The said wheels are adapted to travel upon an elevated cable or track 4 in the usual manner. The frame 1 is provided at its end with primary depending arms 5. Bucket sections 6 extend longitudinally of the frame 1 and are pivotally connected at their ends and in the vicinity of their upper edges with the lower ends of the arms 5. When the bucket sections are in closed position their meeting edges are approximately vertically under the track or cable 4 and when the sections swing away from each other to assume dumping position their inner edges are located at the opposite sides of a vertical plane passing through the track or cable 4. By reason of the fact that the said bucket sections 6 are pivotally connected at their upper edges with the arms 5, the lower portions of the bucket sections will have greater swing than the upper portions thereof and consequently sufficient space is provided for

the exit of the material carried by the buckets.

Lugs 8 are downwardly disposed at the end portions of the frame 1 and the levers 7 are fulcrumed to the said lugs. The inner ends of the said levers 7 cross or overlap each other and are pivotally connected with a vertically disposed tappet 9 having its upper end located under the cable or track 4. A block or obstruction (not shown) is mounted upon the track or cable 4 and is adapted to be engaged by the tappet 9 for the purpose of swinging the levers 7 in a manner as is usually employed in structures of this character. The outer ends of the levers 7 are pivotally connected with the upper ends of bolt rods 10 and the lower ends of the said rods are slidably mounted in housings 11 which in turn are located in the opposite ends of one of the bucket sections 6. Bolt ends 12 are carried at the lower ends of the rods 11 and are provided with chamfered ends 13. Collars 14 are mounted upon the rods 10 and are located in the housings 11. Coil springs 15 are interposed between the upper ends of the housings 11 and the said collars and are under tension with a tendency to hold the bolt heads 12 in depressed positions within the said housings. The housings 11 are provided in their sides disposed toward the opposite bucket section 6 with openings 16. Keepers 17 are mounted upon the other bucket sections 6 and when the sections 6 are brought together at their inner edges the said keepers 17 enter the openings 16 in the housings 11 and are engaged by the chamfered ends 13 of the bolt heads 12.

From the above description it will be seen that when the inner edges of the bucket sections 6 are swung together they will be secured by the engagement described between the keepers 17 and the bolt heads 12. The bucket is then in condition to receive material and when loaded may be passed along the track or cable 4 and when the tappet 9 engages an obstruction upon the said track or cable the said tappet is moved vertically whereby the levers 7 are swung upon their fulcrums and the bolt rods 10 are moved longitudinally against the tension of the springs 15. Thus the bolt heads 12 are lifted out of engagement with the keepers 17 and the bucket sections 6 are free to swing apart and deposit the load.

Having described my invention, what I

claim as new, and desire to secure by Letters Patent is:—

1. A dump carrier comprising a wheel
mounted frame, arms depending from the
5 ends of the frame, bucket sections pivotally
connected at their upper ends and in the vi-
cinity of their inner edges to the lower ends
of said arms, levers fulcrumed to the frame
and having overlapping inner end portions,
10 a vertically disposed tappet pivotally con-
nected with the inner ends of the levers and
extending above the frame, bolt rods pivot-
ally connected with the outer ends of the
levers and lying beyond the ends of one of
15 the bucket sections and carrying bolts and
keepers carried by the other section and
adapted to be engaged by the said bolts.

2. A dump carrier comprising a wheel
mounted frame having at its ends depending
20 arms, bucket sections pivoted at their ends

between the said arms, levers fulcrumed to
the frame and having overlapping inner end
portions, a vertically disposed tappet pivot-
ally connected with the inner ends of the
levers and projecting at its other end above 25
the frame, housings attached to the ends of
one of the bucket sections, spring actuated
bolts located in the housings, bolt rods op-
eratively connecting the bolts with the ends
of the levers, and keepers mounted upon the 30
other bucket section and adapted to be en-
gaged by the said bolts.

In testimony that I claim the foregoing as
my own, I have hereto affixed my signature
in the presence of two witnesses.

WILLIAM J. NUMMEDAHL.

Witnesses:

W. T. SCHMIDT,
RALPH C. JONES.