

O. BORGES.
 ENSILAGE CARRIER.
 APPLICATION FILED MAR. 2, 1911.

1,028,988.

Patented June 11, 1912.

Fig. 2.

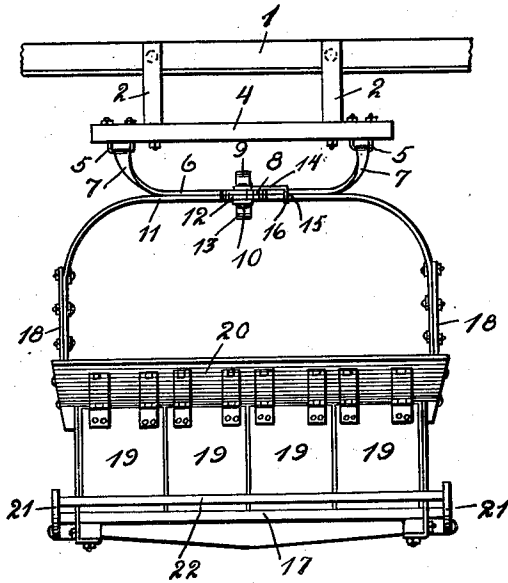


Fig. 1.

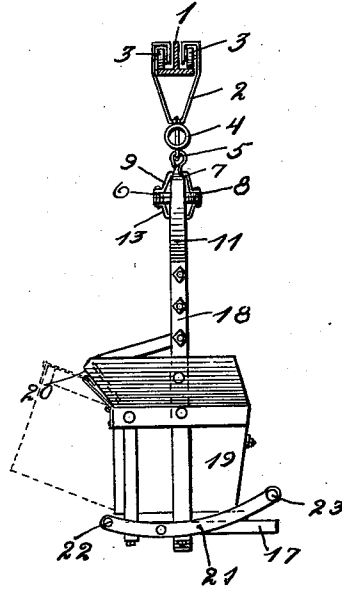


Fig. 3.

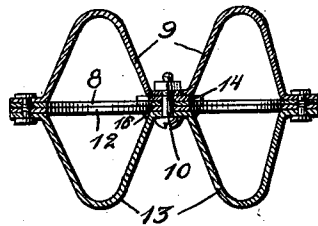
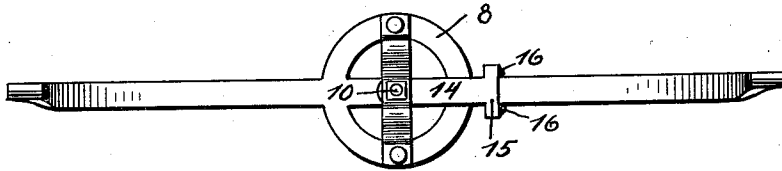


Fig. 4.

Witnesses

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OSCAR BORGEN, OF DALLAS, WISCONSIN.

ENSILAGE-CARRIER.

1,028,988.

Specification of Letters Patent.

Patented June 11, 1912.

Application filed March 2, 1911. Serial No. 611,748.

To all whom it may concern:

Be it known that I, OSCAR BORGEN, a citizen of the United States, residing at Dallas, in the county of Barron and State of Wisconsin, have invented certain new and useful Improvements in Ensilage-Carriers, of which the following is a specification.

My invention relates to devices for conveying ensilage from the silo to the feeding stalls for live stock and particularly to the class of device shown in my Patent No. 980,190, issued January 3, 1911, employing a number of independently dumping compartments mounted on a suitable base, and has for its object the provision of means for locking the compartments to prevent accidental discharge of their contents and also a swivel mounting for the device so that it can be turned around when it is desired to feed stock facing both sides of an aisle in the barn.

My invention will be described in detail hereinafter and illustrated in the accompanying drawings in which—

Figure 1 is an end view of an ensilage carrier showing my improvements in position thereon, Fig. 2, a rear view, and Figs. 3 and 4, detail views of the swivel.

In the drawings similar reference characters indicate corresponding parts in the several views.

1 indicates the overhead track on which is mounted the supports 2 by means of wheels 3, 4 indicating a horizontal bar secured to the supports and having loops 5 secured to its ends.

6 indicates one member of the swivel which consists of a bar of metal having upturned ends 7 pivotally engaging loops 5 and its middle formed with a circular bearing ring 8, 9 indicating truss braces secured to the ring 8 and engaging the swivel pin 10 secured centrally of the ring.

11 indicates a bar having a circular bearing ring 12 with a truss brace 13 also secured to swivel pin 10, said bearing rings 8 and 12 and pin 10 constituting a swivel to enable the rotation of bar 11 on member 6 and its suspending device, the truss braces 9 and 13 serving to stiffen the portions of the rings outside of the bars to prevent side to side movement of the ensilage carrier on the swivel.

14 indicates a spring latch bar pivotally secured to swivel pin 10 and having a cross

piece 15 on its free end with downwardly extending flanges 16 that engage the edges of bars 6 and 11 when they are alined. When it is desired to turn the carrier the free end of the latch bar is lifted so that the flanges 16 are out of engagement with the bars and the bar 11 may be swung freely. The outer edges of the flanges 16 are inclined as shown so that the latch bar is automatically lifted by engagement with bar 11 when approaching alinement with bar 6 and when alined the flanges drop into position on the two sides of the bars and hold them alined until the latch is again lifted.

17 indicates the base of my improved carrier having upright bars 18 secured to its ends, and that are also secured to the ends of bar 11.

19 indicates the compartments for containing the ensilage that are formed bottomless as shown and normally seated on base 17, the compartments being hinged to a board 20 suitably secured at the back of the device. This structure is fully described in my Patent No. 980,190 hereinbefore referred to and considered not to be necessary to describe at this time.

In Patent No. 980,190 no provision was made for accidental displacement of the compartments 19 on the base 17 and the discharge of its contents, and my invention contemplates remedying this condition. To this end I provide arms 21 pivotally secured intermediate of their ends to the ends of base 17, a bar 22 connecting the rear ends of arms 21 and adapted to engage the rear sides of compartments 19 when in position on the base and the bar 22 is in its uppermost position, and a handle bar 23 secured to the front ends of the arms.

Handle bar 23 is used by the operator in moving the carrier from place to place and while normally heavy enough to hold it in its lowermost position so that bar 22 is in position to lock the compartments on the base, the operator in handling the carrier will depress the handle 23 to hold the compartments locked, but when he wishes to dump one of the compartments he raises the handle bar upwardly then pushes the compartment away from him to dump it. When dumped the compartment is returned to its position on the base the handle bar again depressed and the carrier moved to the next stall to be supplied.

Having thus described my invention what I claim is—

1. In combination with a base, dumping compartments slidably mounted on said base, and means secured to said base and engaging said compartments to prevent them from dumping.

2. In combination with a base, dumping compartments mounted on the base, arms pivotally secured to said base, a bar secured to one end of the arms and adapted to engage the compartments to lock them from movement on the base, and a handle bar secured to the other ends of the arms to actuate the arms and locking bar.

3. In combination with a base, a plurality of dumping compartments mounted on the base, arms pivotally secured intermediate of their ends to the base, a bar secured to one end of the arms and adapted to engage the compartments to lock them from movement on the base, and a handle bar secured to the other ends of the arms to actuate the arms and locking bar.

In testimony whereof I hereto affix my signature in the presence of two witnesses.

OSCAR BORGEN.

Witnesses:

J. W. SODERBERG,
ANNA E. HENKE.

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