(No Model.)

M. CHANDLER.

SEEDING MACHINE.

No. 359,594. Patented Mar. 22, 1887.

Fig. 1.

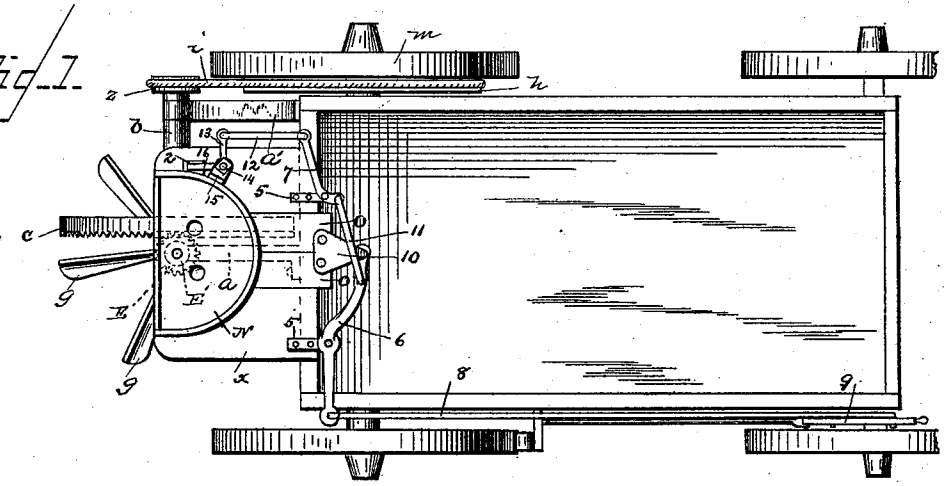
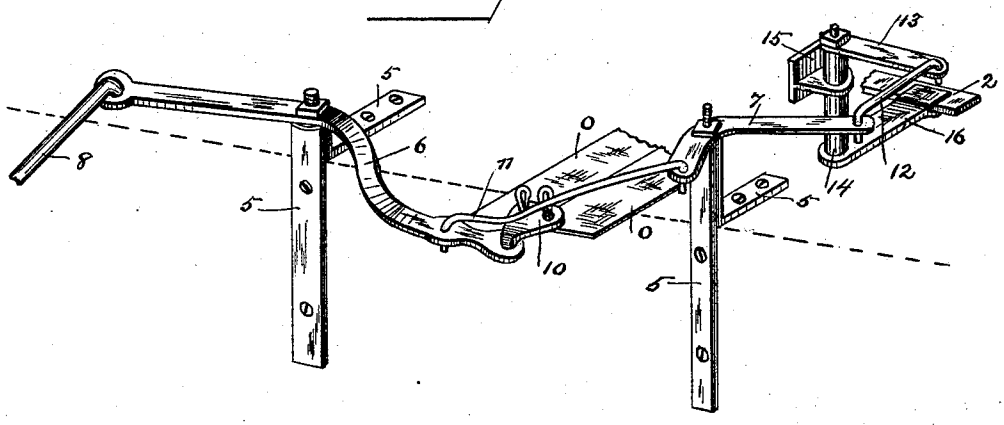


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

MOSES CHANDLER, OF MONUMENT, COLORADO.

SEEDING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 359,594, dated March 22, 1887.

Application filed October 26, 1886. Serial No. 217,272. (No model.)

To all whom it may concern:

Be it known that I, MOSES CHANDLER, a citizen of the United States, residing at Monument, in the county of El Paso and State of Colorado, have invented a new and useful Improvement in Seeding-Machines, of which the following is a specification.

My invention relates to seeding-machines of the kind shown and described in Letters Patent No. 136,107, granted February 18, 1873, to John W. Strowbridge, and other similar machines.

Seeding-machines of the kind above specified are defective in that they require the attention of two assistants, one of whom drives the horses attached to the wagon to which the seeder is secured, while another adjusts the cut-off and regulating slides and puts the seeding mechanism into and out of gear. Thus it will be seen that as heretofore constructed this class of machines has been very expensive and troublesome to operate.

The object of my invention is to remedy the above defects by enabling the driver alone to manage the entire machine, and thus cheapen the operation thereof and render the same uniform.

To the above purpose my invention consists in certain peculiar and novel features of construction and arrangement, as hereinafter described and claimed.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure 1 is a plan view of my improved attachment in operative position upon a Strowbridge seeder. Fig. 2 is a view of the attachment separated from the seeding-machine.

In the said drawings, *a a a'* are the bracket-arms, which are secured to the rear end of the wagon, and which support the driving-shaft *b*, with its pulley *z* and gear-wheel *c*, and also the upright shaft E', with its gear-wheel E and distributer *g*.

N is the hopper, set upon the cap *x*.

h is the drum upon the wheel *m*, and *i* is the belt or cord which runs from drum *h* to pulley *z* and drives the spreaders or fans, all of the said parts being substantially as shown and described in the patent to Strowbridge above mentioned.

O O and 2 designate the slides of the Strowbridge machine; but instead of having these slides independent of each other, and relying upon one or more assistants to operate said slides, I provide the following attachment:

5 5 designate two brackets, which are secured to the front of the cap *x*, and 6 7 designate two elbow-levers, which are pivoted to the said brackets. To one end of the lever 6 is pivoted a rod, 8, which leads to the brake-lever 9, while the opposite end of the lever 6 is connected pivotally, by a strap, 10, to the slides O O. The lever 7 is connected at one end to the lever 6 at 11, and at its opposite end by a link, 12, to an arm, 13. This arm 13 is rigidly secured to the upper end of a rock-bar, 14, the upper end of which is secured loosely in the outer end of a bracket, 15, upon one end of the hopper N, while the lower part of said rock-bar is connected to a rigid arm, 16, which is connected to the slide 2 of the hopper.

It will thus be seen that whenever the brake-lever is pushed forward to apply the brakes the slides O O and 2 are automatically closed, and that whenever the brake-lever is pulled back to release the brakes the said slides are automatically opened; hence I am enabled to dispense with all manual labor in the operation of this class of machines, and consequently have greatly economized the cost of employing the machines.

The rod 8 is connected to the brake-lever above the point where the brake-rod is attached. The attachment to the brake-rod should be so adjusted with relation to the rod 8 that a limited movement of the brake-lever will operate the rod, but fail to set the brakes, while a longer throw of the brake-lever will apply the brakes. By this means only the seed-orifices will be closed without applying the brakes.

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

1. The combination, with the slides O O and 2 of a seeder of the kind described and a brake-lever for the vehicle thereof, of suitable

pivoted levers connected to said slides and a rod extending from said levers to the said brake-lever, substantially as described.

2. The hopper N, with its slides O O and 2 and brackets 5 5 15, in combination with the elbow-lever 6, connected to slides O O, the elbow-lever 7, connected at one end to said lever 6, the rock-bar 14, having arms 13 16, the link 12, connecting arm 13 and lever 7, and the rod 8, connecting lever 6 to brake-rod 9, substantially as set forth.

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

MOSES CHANDLER.

Witnesses:

A. F. WOODWARD,

A. B. SIMPSON.