(No Model.)

C. SCHMALZRID.

FERTILIZER DISTRIBUTER.

No. 459,223. Patented Sept. 8, 1891.

Fig. 1.

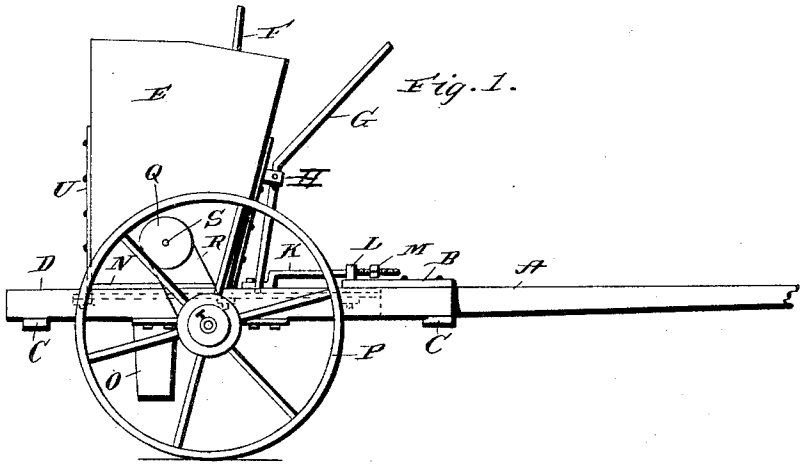


Fig. 2.

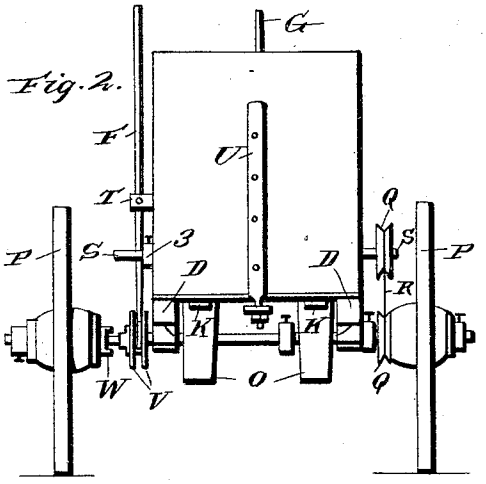


Fig. 3.

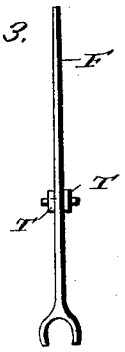


Fig. 4.

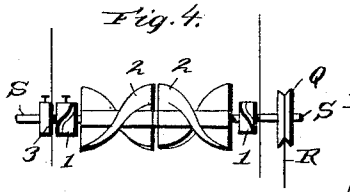


Fig. 5.

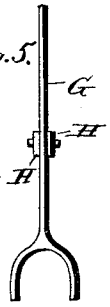
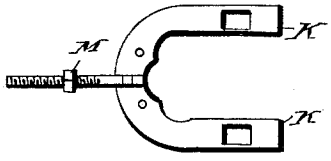


Fig. 6.



Witnesses:
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UNITED STATES PATENT OFFICE.

CHRISTIAN SCHMALZRID, OF NEAR DONALDSONVILLE, LOUISIANA.

FERTILIZER-DISTRIBUTER.

SPECIFICATION forming part of Letters Patent No. 459,223, dated September 8, 1891.

Application filed February 24, 1891. Serial No. 382,527. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN SCHMALZRID, a citizen of the United States, residing near Donaldsonville, in the parish of Assumption and State of Louisiana, have invented certain new and useful Improvements in a Fertilizer-Distributer; 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 appertains to make and use the same.

My invention relates to an improvement in a fertilizer-distributer, and its novelty will be fully understood from the following description and claim, when taken in connection with the annexed drawings, and the objects of my invention are to distribute ground or pulverized fertilizing material. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side view. Fig. 2 is a rear view. Fig. 3 is a front view of lever-brake for wheel. Fig. 4 is a side view of screws and agitators. Fig. 5 is a front view of lever for slide. Fig. 6 is a top view of slide.

Similar letters and figures refer to similar parts throughout the several views.

In the drawings, A refers to a pole or tongue.

B and C are cross-pieces.

D are side pieces.

E is a body or receptacle for material; F, a lever attached to side of E by a clamp T.

G is a lever which is held in position by means of clamp H, and is attached to slide K at a point shown in Fig. 1, the arm of said slide being threaded and resting under a staple L, and upon said threaded arm is a nut, as shown by M, thus enabling the movement of slide K to be regulated.

N is a metal plate upon which E rests, O showing chutes for discharging fertilizer.

P are wheels.

Q are pulleys, one of which is adjusted on shaft S and the other upon axle, as shown in Fig. 2, and are connected by means of belt R. Attached to E is a clamp T, which holds lever F in position.

U is a brace held in position by suitable means.

V is a movable collar placed on axle, and so constructed as to permit the lower end of lever F to rest in same, and by pressure on handle of F the collar V can be secured within a rigidly-adjusted box W, and in this manner form a secure lock. Attached upon shaft S are screws 2 and agitators 1, said shaft S having a collar 3, which is held in position by means of a set-screw.

In practice the material to be distributed is placed in body or receptacle E, the slide K properly adjusted, and as the wheels P rotate motion is given shaft S by means of pulleys Q and belt R, thus imparting motion to screws 2 and agitators 1 and causing material to be carried downward through apertures in slide K and chutes O, and effectually distributing the fertilizing material.

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

In a fertilizer-distributer, the combination, with the main frame mounted on a wheel-axle and supporting a body or receptacle for the fertilizer, the depending chutes or tubes connected to the bottom of the body and provided adjacent to their upper ends with horizontally-disposed slots, the U-shaped slide having the branches provided with apertures and adapted to take through the slots in the depending chutes or tubes, the threaded rod connected to the bow portion of the slide and extending forward and taking through a staple, a nut on said threaded rod in advance of the staple, and a lever pivotally connected to the forward wall of the body and having a forked lower end adapted to engage the slide to adjust or regulate the same, substantially as and for the purpose set forth.

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

CHRISTIAN SCHMALZRID.

Witnesses:

PERCY D. PARKS,

WILLIAM GÖETTZ.