

(No Model.)

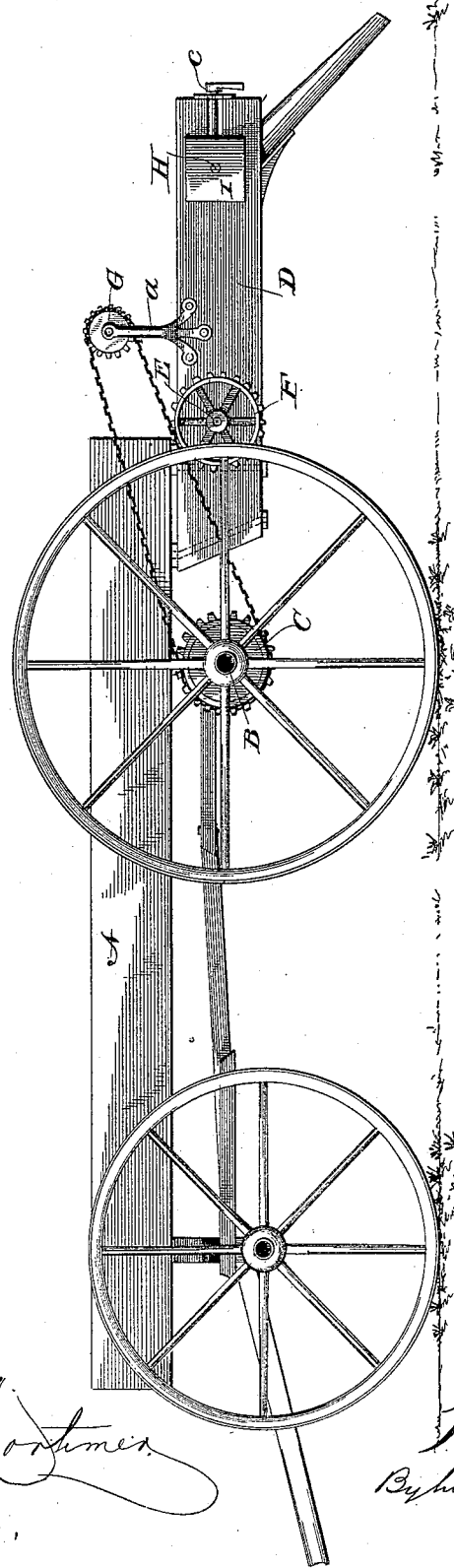
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W. G. HURLEY.
FERTILIZER DISTRIBUTER.

No. 347,876.

Patented Aug. 24, 1886.

Fig. 1.



Witnesses:

H. H. Mortimer,
Wm. J. Little,

Inventor:

W. G. Hurley,
By his Attorney,
J. R. Little

(No Model.)

2 Sheets—Sheet 2.

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Fig. 2.

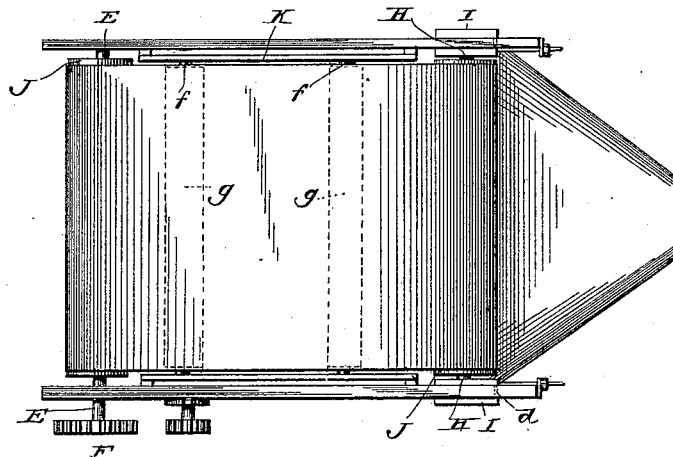
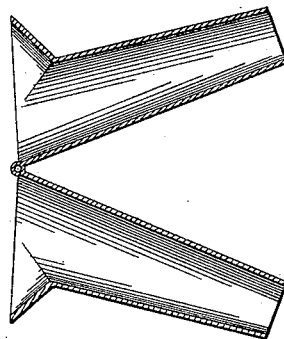


Fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM G. HURLEY, OF TERRELL, TEXAS.

FERTILIZER-DISTRIBUTER.

SPECIFICATION forming part of Letters Patent No. 347,876, dated August 24, 1886.

Application filed May 12, 1886. Serial No. 201,926. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM G. HURLEY, a citizen of the United States, residing at Terrell, in the county of Kaufman and State of Texas, have invented certain new and useful Improvements in Fertilizer-Distributers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to fertilizer-distributers, the object of the invention being to provide a device of this character which may be readily and easily applied to the ordinary farm-wagon, which shall be simple in its construction, effective in its operation, and not likely to get out of order.

With the above and other objects in view the invention consists in the improved construction and combinations of parts hereinafter fully described, and pointed out in the claim.

In the drawings, Figure 1 is a side elevation of a farm-wagon with my improved fertilizer-distributor applied thereto. Fig. 2 is a plan view of the distributor, and Fig. 3 is a detail view of a modified form of discharge-spout.

Corresponding parts in all the figures are denoted by the same letters of reference.

Referring to the drawings, A represents the wagon, upon the hub B of one of the rear wheels of which is mounted a sprocket-wheel, C.

D represents a rectangular box or frame, which is secured to the under side of the wagon, at the rear end thereof, which is, as shown, provided at its rear end with a downwardly-extending discharge or delivery spout, preferably tapering in form; or, if desired, it may be provided with a discharge-spout consisting of two parts hinged together at their upper ends.

E represents a shaft having bearing in the sides of the box D, and having one end extended beyond the side of the box, and upon said extended end of the shaft is rigidly mounted a sprocket wheel, F.

G represents a sprocket-wheel, which is journaled to a bracket, a, extending upwardly from the side of the box D. The sprocket-wheels are connected by a sprocket belt or chain which

passes over the sprocket-wheel F, thus imparting motion to the shaft E. At the rear end of the wagon the sides thereof are provided with elongated slots c, open at their rear ends, and fitting in and extending beyond said slots are the ends of a shaft, H.

I represents sliding blocks, which are located on the inner and outer faces of the sides of the wagon, at the rear end thereof, and in which the ends of the shaft H are mounted, the blocks being connected, as shown, by cross-pieces d, and extending from said cross-pieces are threaded rods, which extend beyond the elongated slots c, and are adapted to receive nuts, whereby upon tightening the same the blocks and shaft will be moved rearwardly.

Upon the shafts E and H are mounted rollers J, which are connected by a flexible belt of any suitable fabric, and designed to convey the fertilizer from the wagon to the discharge or delivery spout. It will be seen that by adjusting the blocks the belt may be tightened or loosened, as may be desired or found necessary.

K represents bars secured to the inner faces of the sides, and bearing in openings of said sides are the trunnions or gudgeons f of rollers g, which support the upper portion of the endless belt or conveyer and prevent it from sagging when loaded.

Having thus described my invention, what I claim is—

The combination, with a wagon, of a box attached to the rear end thereof, the shaft E, mounted in the forward end of the box and extended at one end, a sprocket-wheel on said extended end, the bracket a, bearing a sprocket-wheel, G, a sprocket-wheel, C, on the hub of the rear axle of the wagon, a sprocket-chain connecting wheels C and G and passing over wheel F, an adjustable shaft at the rear end of the frame, an endless conveyer-belt, a delivery-spout, and the rollers g, for supporting the belt, substantially as set forth.

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

WILLIAM G. HURLEY.

Witnesses:

C. BISHOP,
JAMES ROBERTS.