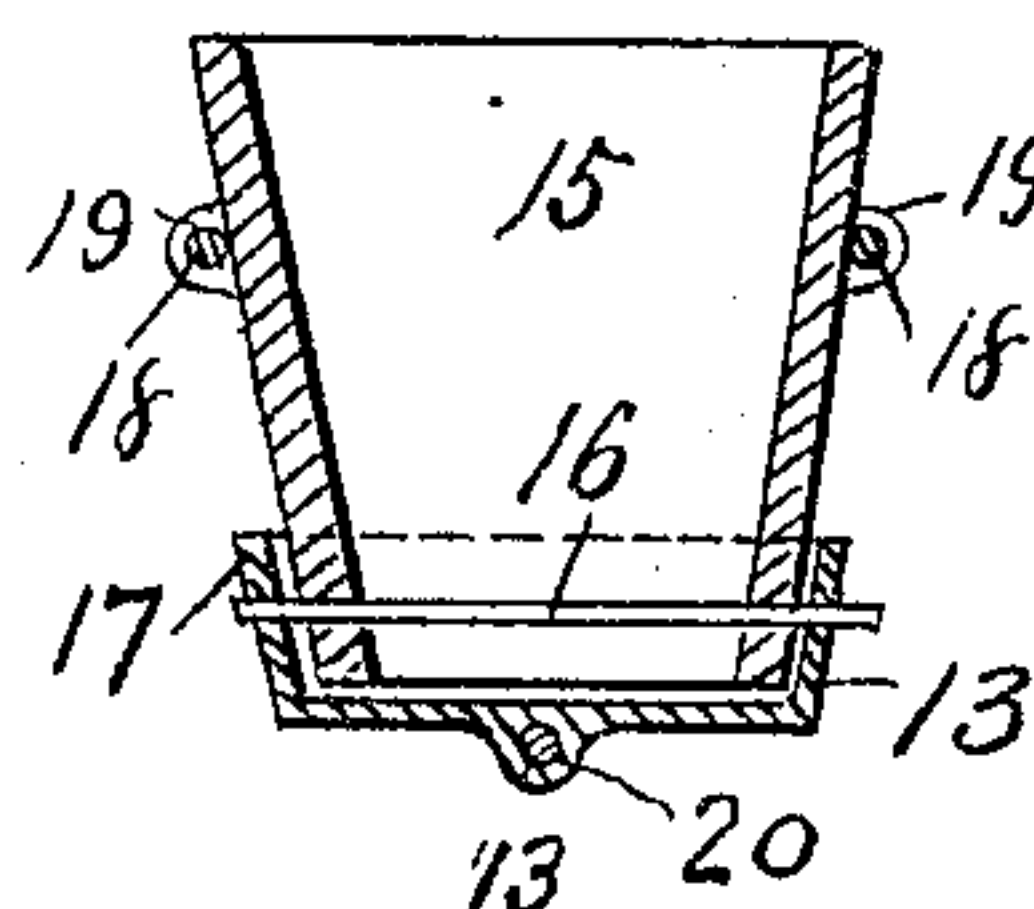
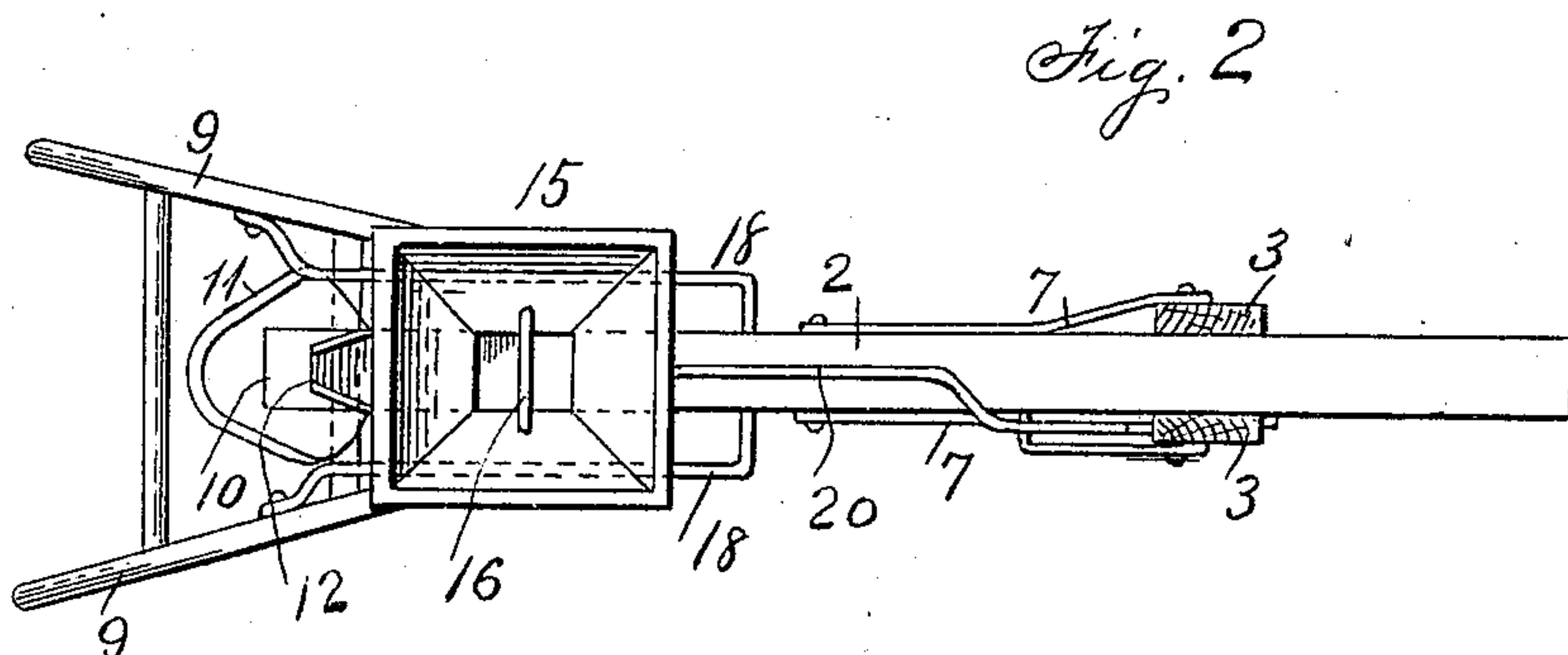
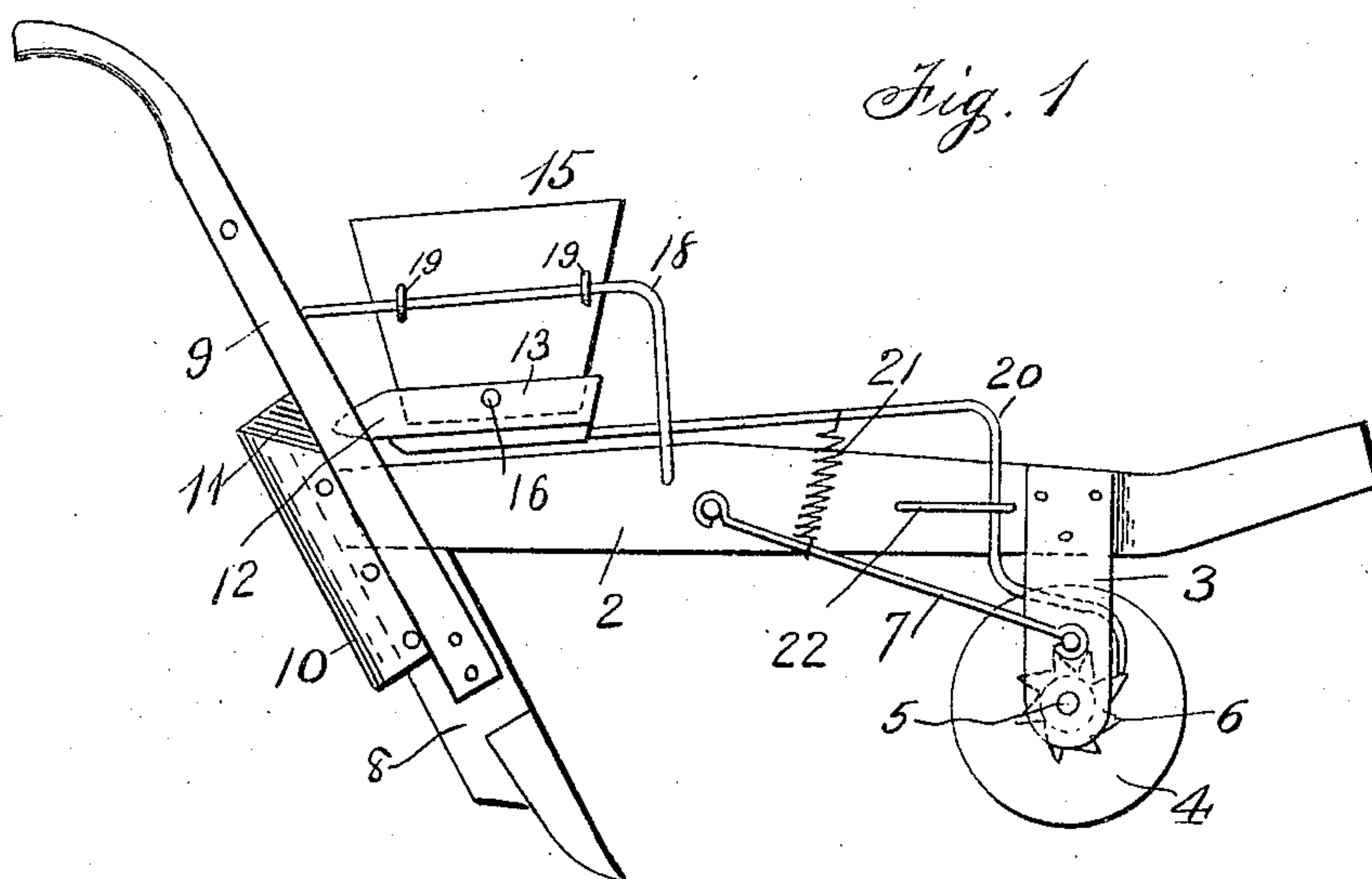


No. 842,924.

PATENTED FEB. 5, 1907.

G. T. VAUGHN.  
FERTILIZER DISTRIBUTER.  
APPLICATION FILED SEPT. 14, 1906.



Witnesses

F. L. Ourand,  
L. E. Bartley.

Fig. 3.

Inventor  
George T. Vaughn  
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# UNITED STATES PATENT OFFICE.

GEORGE T. VAUGHN, OF HUNTSVILLE, ALABAMA.

## FERTILIZER-DISTRIBUTER.

No. 842,924.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed September 14, 1906. Serial No. 334,615.

*To all whom it may concern:*

Be it known that I, GEORGE T. VAUGHN, a citizen of the United States of America, residing at Huntsville, in the county of Madison and State of Alabama, have invented certain new and useful Improvements in Fertilizer-Distributers, of which the following is a specification.

This invention relates to new and useful improvements in fertilizer-distributers, and relates more particularly to that class known as "walking-distributers."

It is an object of the invention to provide a novel device of this character wherein the base of the hopper containing the fertilizer is vibrated to cause the discharge of the fertilizer.

It is also an object of the invention to provide a novel device of this kind wherein the containing-hopper is adjustable longitudinally of the beam and with relation to the discharging-shoe.

A further object of the invention is to produce a novel device of this character that will be simple in construction, efficient in practice, and economical to manufacture.

With the above and other objects in view the invention consists of the details of construction and in the novel arrangement and combination of parts, to be hereinafter more fully described and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings, forming part of this specification, wherein like characters of reference denote corresponding parts in the several views, and in which—

Figure 1 is a view, in elevation, of the device with parts broken away. Fig. 2 is a front elevation. Fig. 3 is a view, partly in elevation and partly in section, of a fragment of the device.

In the drawings, 2 denotes the beam of the machine, having depending from near one end the parallel arms 3, between which is mounted the supporting-wheel 4, through the medium of the shaft 5. On the shaft 5, adjacent the wheel 4, is a ratchet-wheel 6 for a purpose which will be hereinafter explained. The arms 3 are braced against dis-

placement by the rods 7, secured at end to the lower portions of the arms and at the opposite end to the beam, as fully shown in the drawings.

Depending from an end of the beam 2 is a standard 8 of any ordinary or preferred construction as is employed in devices of this character. Secured to this standard and extending up above the beam is the handle arrangement 9. Secured to the outer portion of the standard 8 is a delivery-tube 10, which has its upper end 11 flared. Into this flared portion of the shoe extends the nose 12 of the vibrating bottom 13 of the hopper 15.

The hopper 15 is of any ordinary preferred construction and has extending transversely thereof near the bottom the rod 16, which projects beyond both sides of the hopper. To those portions of the rod exterior of the hopper is held the side flanges 17 of the metallic bottom 13. This arrangement allows a slight oscillatory movement of the bottom. The hopper 15 has on its sides the guides 19, which engage and ride on the runways 18, which permit an adjustment of the hopper longitudinally of the beam and with relation to the discharging-shoe.

Secured to the inner end of the bottom 13 is a rod 20, which extends to one side of the beam 2 and has its free end held normally in engagement with the ratchet-wheel 6 by a spring 21, one end of which being secured to the arm and the opposite end to one of the brace-rods 7. A guide 22 is provided on the beam 2, through which the rod 20 passes, whereby said rod is held against undue lateral movement.

When the supporting-wheel 4 rotates, the ratchet 6 moves therewith, and the engagement of the ratchet with the arm or rod 20 imparts a vibratory or oscillatory movement to the bottom 13 of the hopper 15, and thereby causes the fertilizer within the hopper to be fed to the tube 10.

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

In combination, a beam, a supporting-wheel therefor a ratchet moving with the wheel, a discharge-tube carried by the beam,



a hopper carried by the beam, an oscillating  
bottom for the hopper, an arm extending  
from the bottom and bearing against the  
ratchet, a guide on the beam for holding the  
5 arm against undue lateral movement and a  
spring for holding the arm in contact with  
the ratchet.

In testimony whereof I affix my signature,  
in the presence of two witnesses, this 25th  
day of August, 1906.

GEORGE T. VAUGHN.

Witnesses:

W. N. BENSON,  
W. W. McLAIN.