

N^o 6501



A.D. 1900



Date of Application, 7th Apr., 1900

Complete Specification Left, 31st Dec., 1900—Accepted, 23rd Mar., 1901

PROVISIONAL SPECIFICATION.

An Improved Manure Distributor.

ALBERT JAMES SMITH, Barton Cottage, Malton in the County of York. Gentleman, do hereby declare the nature of this invention to be as follows:—

This invention relates to machinery for distributing manure over the land for agricultural purposes and is intended to take the place of hand labor. The apparatus consists of a box or cart mounted on wheels in the usual manner. In the box or cart is placed a frame which slides loosely up or down in radial or curved grooves or slides placed at each end of the frame and attached to the box or cart. At the ends of the said frame are shafts revolving in journals and these shafts are provided with drums or chain-wheels over which work endless bands, belts or chains and these are fitted with teeth or forks. Motion is given to the apparatus by means of a belt or its equivalent working over the hub or nave of the wheels on which the box or cart is mounted and a pulley fixed on the outside end of the shaft. Vertical motion is given to the apparatus by means of toothed racks or screws which are actuated by the same motive power above mentioned. Suitable means are provided for disconnecting the mechanism from the wheels of the box or cart so as to enable the cart to be worked or pulled about and at the same time the distributing apparatus remaining inactive. The action of the apparatus is as follows. The box or cart having been filled with manure and the mechanism connected; then as the wheels of the box or cart revolve they give motion to the endless bands or chains which are fitted with teeth or forks, these pull the manure out at the end or back of the box or cart whilst at the same time the necessary vertical position of the apparatus is regulated by the aforesaid racks or screws.

Dated this Fifth day of April 1900

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A. J. SMITH

COMPLETE SPECIFICATION.

“An Improved Manure Distributor”

I, ALBERT JAMES SMITH, of Barton Cottage, Malton, in the County of York, Gentleman, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement, reference being had to the drawings hereunto annexed and to the figures and letters marked thereon, that is to say:—

My said invention relates to the distribution of manure over land for agricultural purposes and the object thereof is to obtain a machine that will automatically and efficiently perform this operation and thus enable hand labour to be dispensed with.

In the accompanying drawings, Figure 1. is a side elevation of a machine constructed according to the present invention.

[Price 8d.]

Smith's Improved Manure Distributor.

to the endless chains of spikes, and means for causing the frame and chains to follow the level of the diminishing load, substantially as herein shown and described.

3. A machine for distributing manure, comprising a body provided with carrying wheels, curved guides within the body, a frame vertically moveable in said guides, shafts or spindles carried by the frame, pulleys or chain wheels fixed on said shafts, bands or chains provided with spikes or forks passing around said wheels, a band or chain wheel fixed with one of the carrying wheels, a corresponding wheel fixed with one of the spindles, a band or chain passing around said band or chain wheels for conveying motion from the carrying wheel to said spindle and thus to the endless chains of spikes and means set in motion by said apparatus for causing the frame and chains to follow the level of the diminishing load, substantially as herein shown and described. 5 10

Dated this 31st day of December 1900.

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VAUGHAN & SON
Agents for the Applicant.

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Fig. 1.

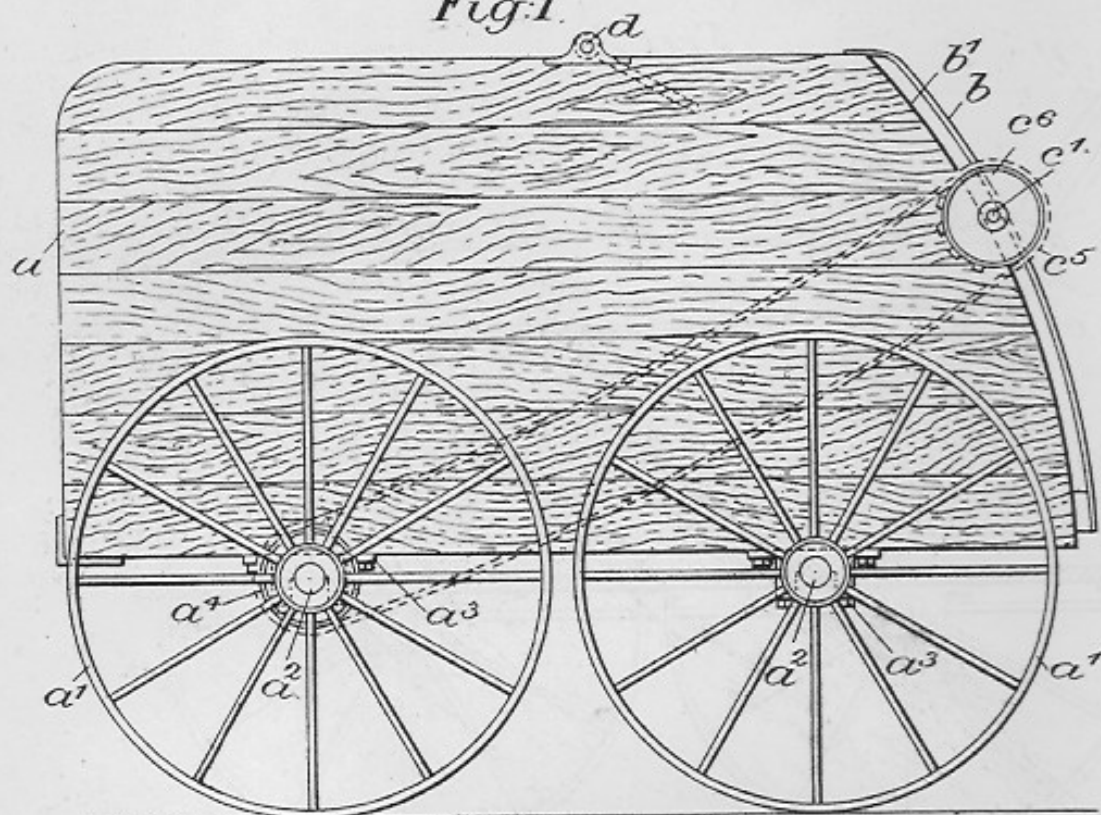
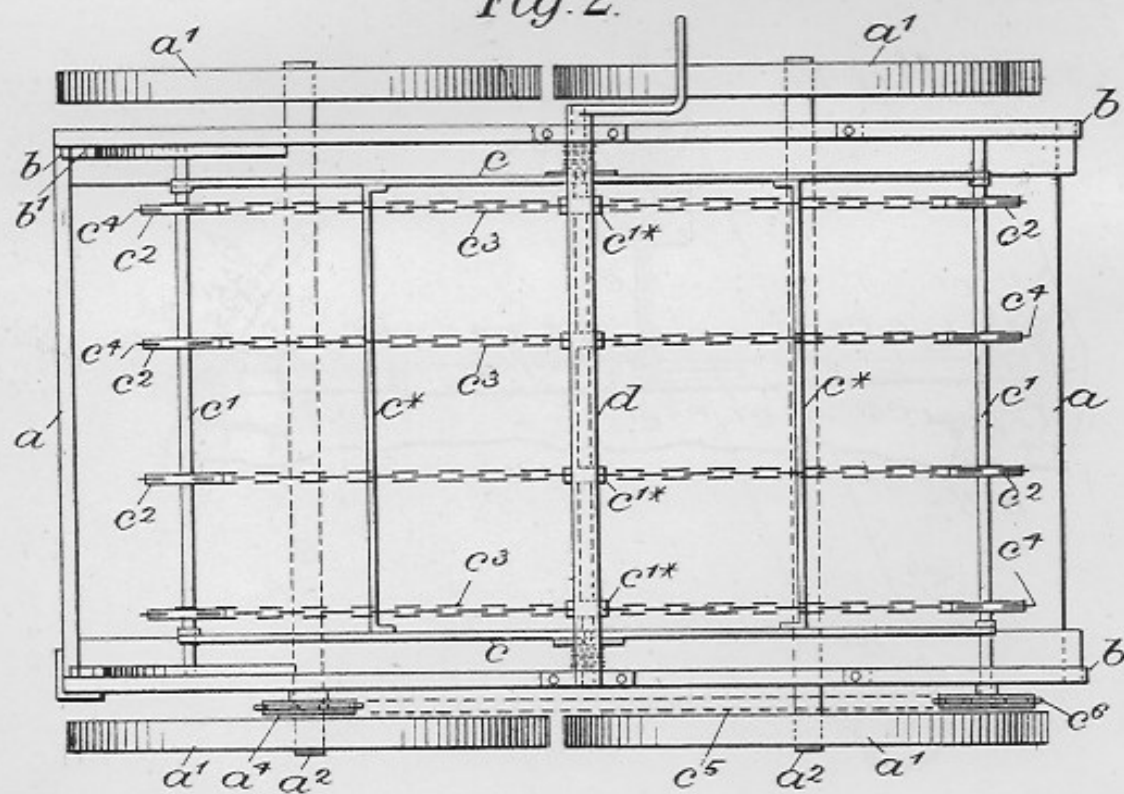
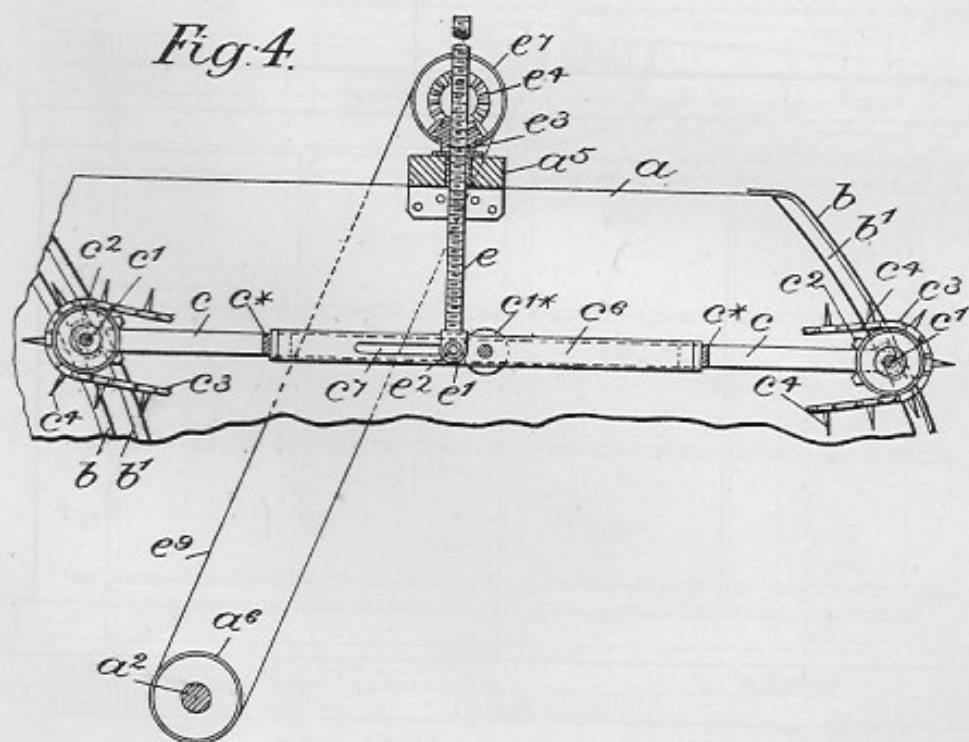
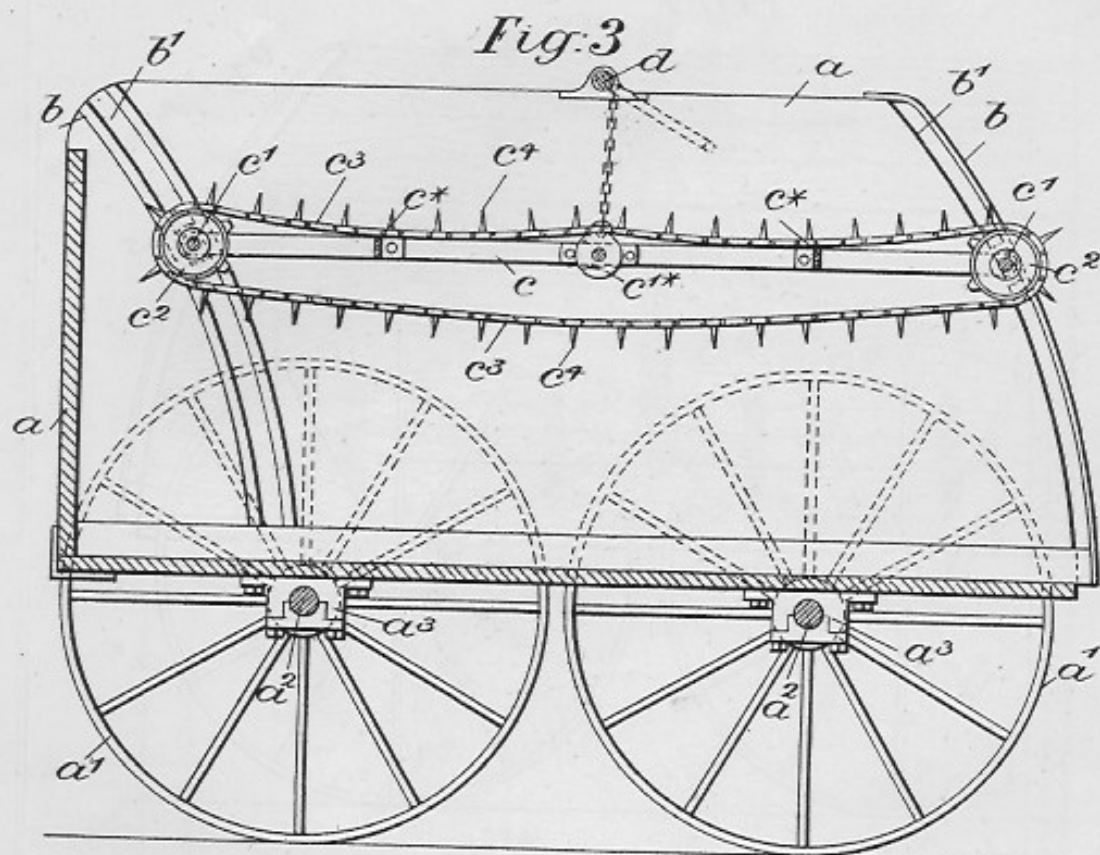
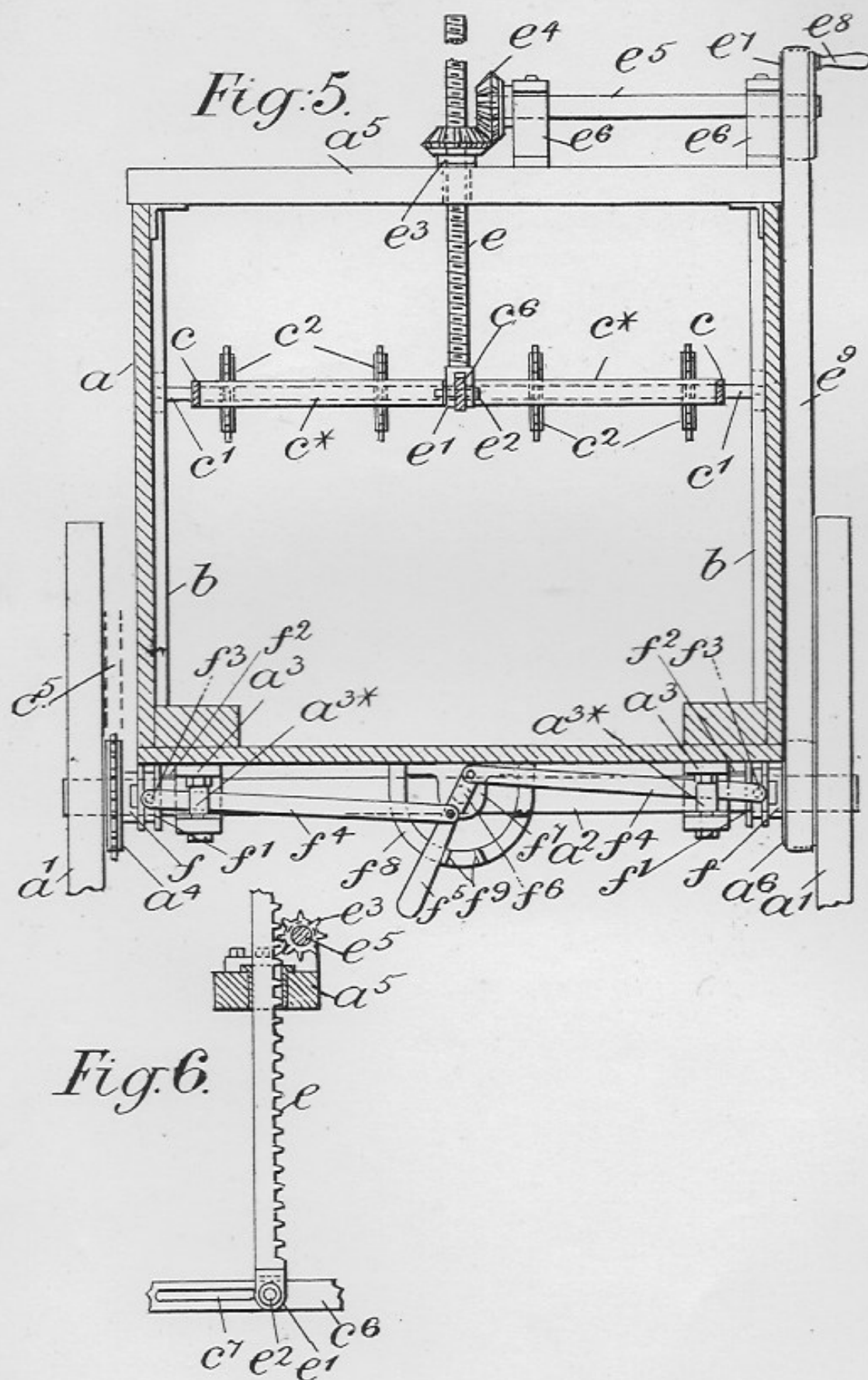


Fig. 2.





[This Drawing is a reproduction of the Original on a reduced scale.]



[This Drawing is a reproduction of the Original on a reduced scale.]