

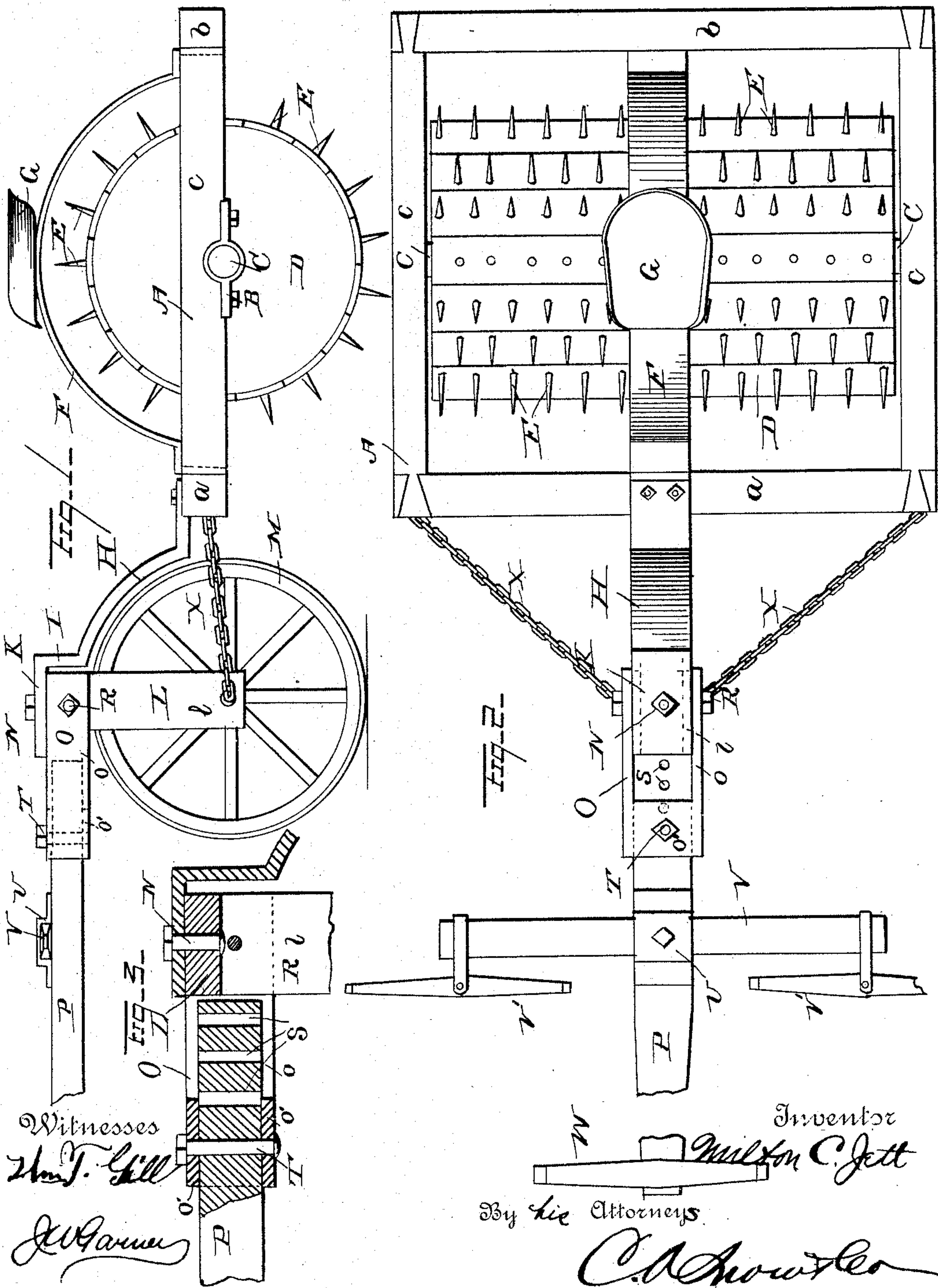
(No Model.)

M. C. JETT.

CLOD CRUSHER AND PULVERIZER.

No. 353,408.

Patented Nov. 30, 1886.





# UNITED STATES PATENT OFFICE.

MILTON C. JETT, OF WASHINGTON, INDIANA.

## CLOD CRUSHER AND PULVERIZER.

SPECIFICATION forming part of Letters Patent No. 353,408, dated November 30, 1886.

Application filed May 22, 1886. Serial No. 203,033. (No model.)

*To all whom it may concern:*

Be it known that I, MILTON C. JETT, a citizen of the United States, residing at Washington, in the county of Daviess and State of Indiana, have invented a new and useful Improvement in Clod Crushers and Pulverizers, of which the following is a specification.

My invention relates to an improvement in clod crushers and pulverizers; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claim.

In the drawings, Figure 1 is a side elevation of my invention. Fig. 2 is a top plan view of the same. Fig. 3 is a detail sectional view.

A represents a rectangular frame, comprising the front and rear beams, *a* and *b*, and the connecting end beams, *c*, which are mortised to the beams *a* and *b*. On the under sides of the beams *c*, at the centers thereof, are secured bearing-boxes B, in which are journaled the projecting spindles C of a roller, D. The said roller is provided with a number of radial projecting spikes or teeth, E. These teeth are connected to flat plates, which are secured parallel to each other around the periphery of the roller, the teeth of one plate being arranged out of line with the teeth of the adjacent plate, so as to cover a greater area of working-surface.

On the upper side of the frame A, at the center thereof, is secured a curved spring, F, on which is supported a seat, G, for the driver. To the front side of the front beam, *a*, is attached a curved arm, H, the front end of which is first bent vertically, as at I, and then horizontally, as at K, forming a rectangular front extension of the arm H.

L represents a standard, the lower portion of which is bifurcated, thereby forming depending hangers *l*, between which is journaled a guide-wheel, M. A bolt, N, passes vertically through an opening in the extension K and through the head of the standard L, thereby pivoting the said standard in a vertical position to the front end of the curved arm H.

Secured to the upper end of the standard L, and projecting forwardly therefrom, is a horizontal rectangular box, O, comprising the sides *o* and the top and bottom plates *o'* on the front ends of the said sides, and connecting them

together, thereby forming a rectangular opening to receive the rear ends of the tongue P. The rear ends of the sides *o* are bolted or pivoted in the upper end of the standard L by means of a horizontal transverse bolt, R. By this construction it will be understood that the free end of the tongue may be raised or lowered. The said tongue has its rear end provided with a series of vertical openings, S, and a bolt, T, passes vertically through openings which are made in the top and bottom plates *o'* and through one of the openings S, thereby securing the tongue securely to the machine and permitting it to be lengthened or shortened, as will be very readily understood. A keeper, U, is secured on the tongue near the rear end thereof, and in the said keeper is pivoted the double-tree V, having the usual single-trees, V', for the horses, and to the front end of the tongue is attached the usual neck-yoke, W. When the tongue is turned, in order to turn the machine the standard L is also turned, thereby directing the guide-wheel M and enabling the machine to be turned in a short space. In order to steady the movement of the machine when proceeding in a straight line, I provide draft-chains X, which are attached to the lower ends of the standard L and to the front ends of the frame A.

When the machine is drawn over the ground, the roller crushes the clods, and the teeth E, which are arranged out of line with each other on the roller, thoroughly pulverize the soil.

By making the tongue adjustable longitudinally it may be accommodated to the length of the team, and by making the tongue removable from the box the machine is rendered more compact, thus enabling it to be stored in a comparatively small space when not in use.

When the machine is being drawn across the field in a straight line, the chains X are attached to the standard L, so as to brace the latter; but the chains may be disconnected from the standard, so as to allow it to turn.

Having thus described my invention, I claim—

In combination with the frame A, the clod crusher or roller D, journaled therein, the curved arm H, attached to the front of frame A and bent vertically at I and horizontally at K, the standard L, pivoted to the part K of

arm H, the guiding-wheel M, journaled in the  
standard L, the box O, embracing the standard  
L below the part K of arm H and forward of  
the part I, the bolt R, connecting the box O  
5 rigidly to the standard L, the tongue P, ad-  
justable in the box O, and the chains X, con-  
necting the frame and the standard and de-  
tachable from the latter, as set forth.

In testimony that I claim the foregoing as  
my own I have hereto affixed my signature in 10  
presence of two witnesses.

MILTON C. JETT.

Witnesses:

J. W. McADAMS,  
L. W. BEDELL.