

J.B. Catey.

Roller and Harrow.

N^o 94,273.

Patented Nov. 30, 1869.

Fig. 1.

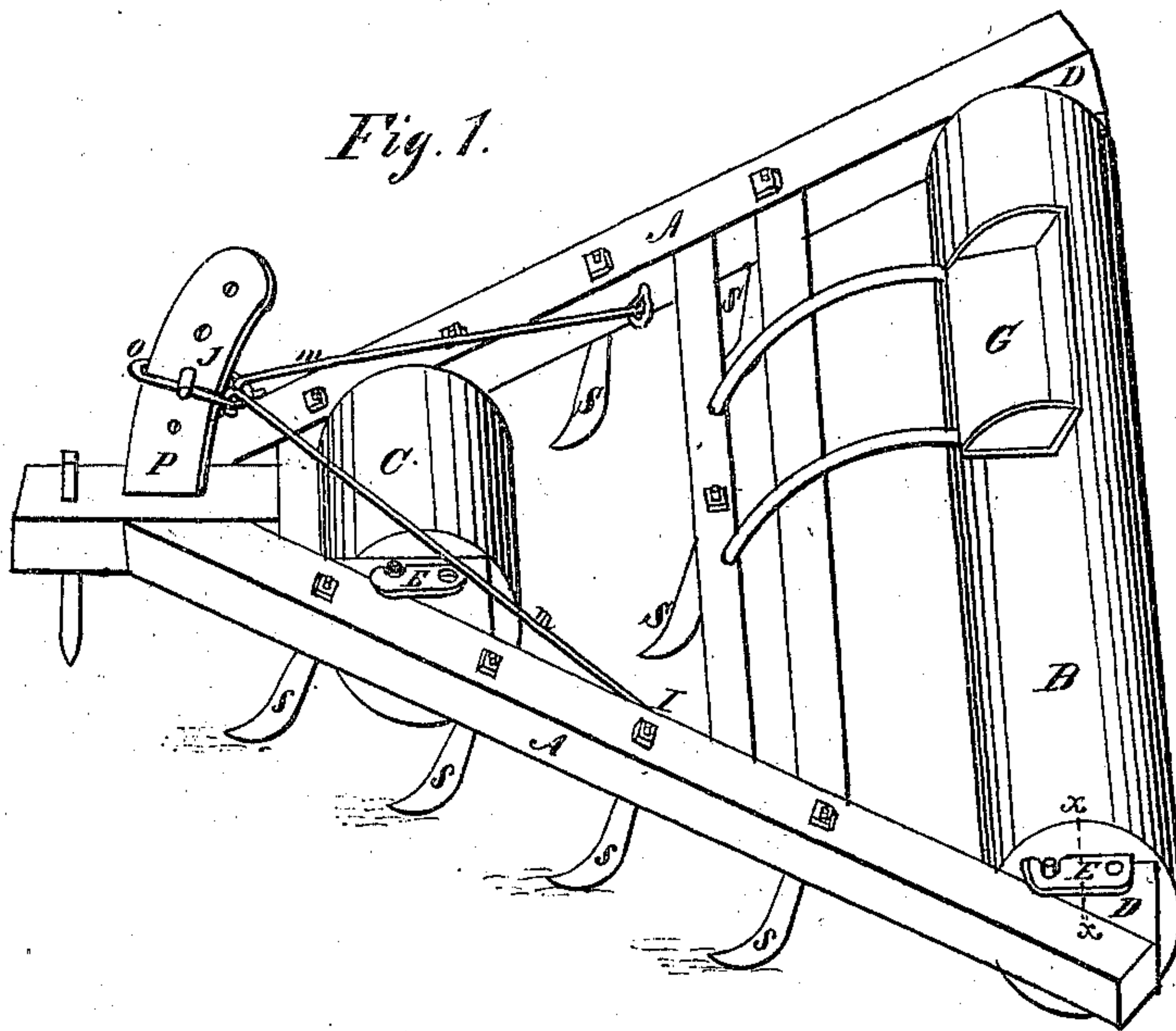
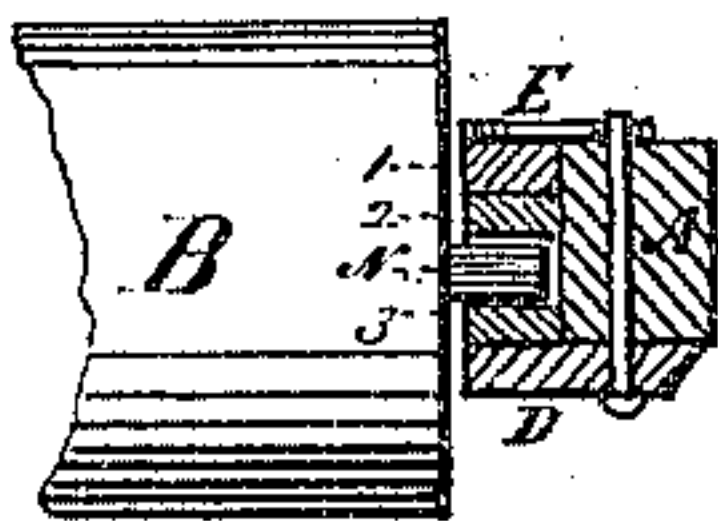


Fig. 2.



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JOHN B. CATEY, OF WILLIAMSBURG, INDIANA.

Letters Patent No. 97,273, dated November 30, 1869.

IMPROVEMENT IN COMBINED ROLLER AND CULTIVATOR.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, JOHN B. CATEY, of Williamsburg, in the county of Wayne, and State of Indiana, have invented an Improved Combined Roller and Cultivator, of which the following is a specification.

The first part of my invention relates to the combination and arrangement of a cultivator and two rollers, one of the latter serving the usual purposes of a land-roller in reducing inequalities of the surface, while both may be adjusted to regulate the depth penetrated by the teeth or shovels of the cultivator.

The second part of my invention relates to a simple method of adjusting the rollers, and to the combination and general arrangement of parts as herein set forth.

The object of my invention is to provide a more economical and effectual implement for preparing wheat-ground than has heretofore been used.

In the accompanying drawings—

Figure 1 is a perspective, and

Figure 2 is a section through the line *x x*.

The frame A is provided with shovels or cultivator-teeth S S, &c., such as are commonly used in corn-cultivators.

D D are blocks secured to the rails A A, their inner surfaces being parallel to the line of draught.

B and C are rollers, the journals of which run in notches in the blocks D D.

These notches are filled, above and below the journals, with movable blocks, of equal thickness, 1, 2, 3, that may be placed either above or below the journal,

or both above and below, as may be required, in order properly to adjust the roller.

The plate E turns upon a bolt at one end, and the other is provided with a notch, that engages with a projecting pin. The object of plate E is to keep in place the movable blocks 1, 2, 3.

M M are draught-rods, that are attached to staples near the middle of the rails A A, and connect with a link, O, on the standard P.

By means of these rods and the movable pin J, changes may be made in the angle of the draught-line, to keep the frame A parallel with the surface of the soil.

Having thus fully described my said invention,

What I claim, and desire to secure by Letters Patent, is—

1. In combination with the frame A, the adjustable bearing-rollers B and C, which serve to regulate the depth penetrated by the teeth, and also assist in pulverizing the soil, substantially as described.

2. In combination with the above, the draught-rods M M, link O, and standard P, substantially as described.

3. In combination with the frame A, and rollers B and C, the adjusting-blocks 1, 2, 3, and plates E, when constructed and arranged substantially in the manner and for the purpose set forth.

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