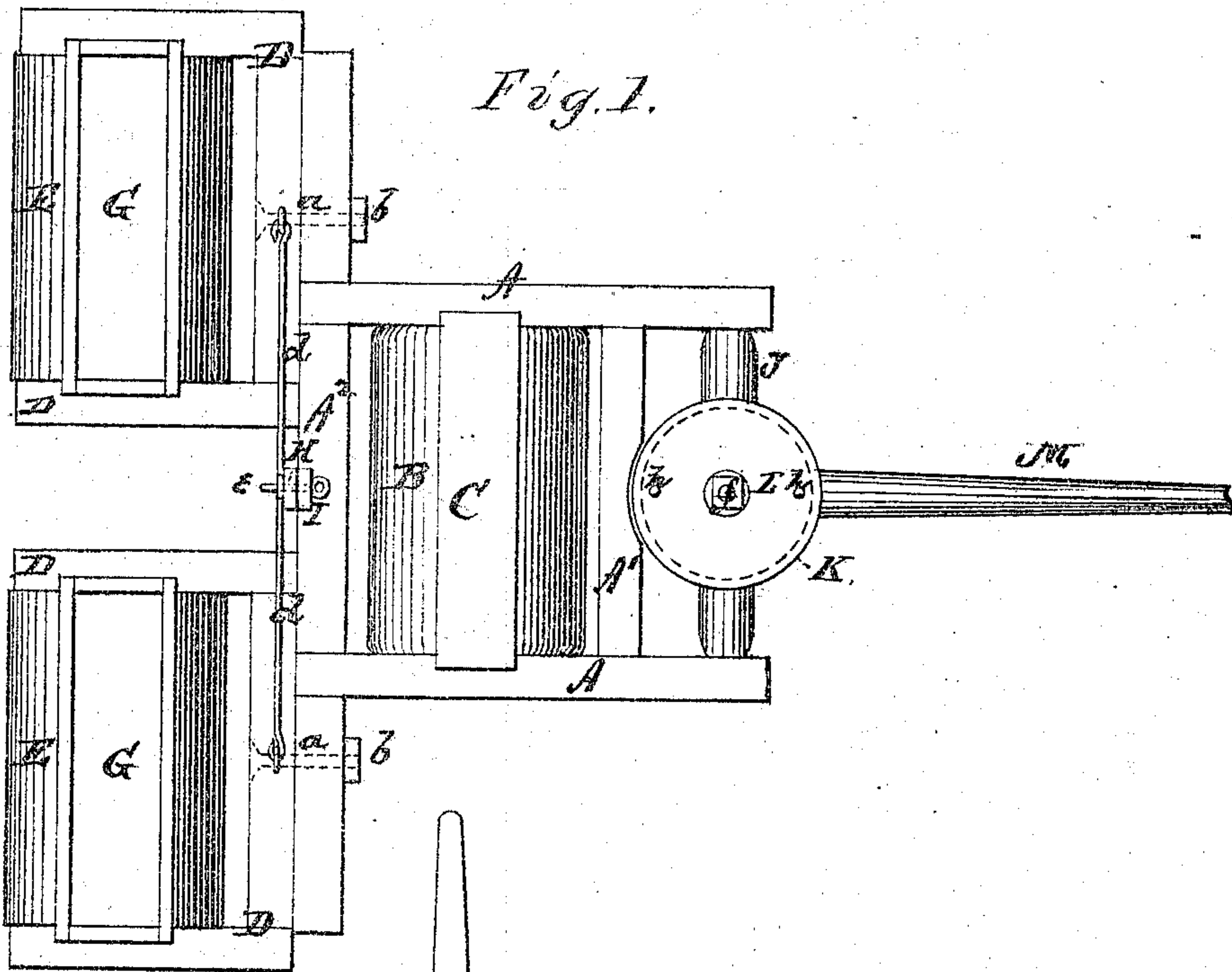


G. H. DOW.

Improvement in Field Rollers.

No. 120,950.

Patented Nov. 14, 1871.



UNITED STATES PATENT OFFICE.

GEORGE H. DOW, OF FREEPORT, ILLINOIS.

IMPROVEMENT IN FIELD-ROLLERS.

Specification forming part of Letters Patent No. 120,950, dated November 14, 1871.

To all whom it may concern:

Be it known that I, GEORGE H. DOW, of Freeport, in the county of Stephenson, and State of Illinois, have invented certain new and useful Improvements in Field-Rollers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a land-roller, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a plan view, and Fig. 2 a front view of my machine.

A A represent the two parallel side-bars of the front roller-frame, said bars being connected a suitable distance from their front ends by means of a bar, A¹, and at their rear ends by a bar A², which latter extends beyond the sides, as shown in Fig. 1. In the frame thus constructed is mounted the front roller B, the ends of which are rounded, which makes the machine turn better, and prevents it from striking any very low obstacle so as to injure or retard the motion of the machine. Above the roller B and supported by the frame is a seat, C, for the driver. D D are the frames in which the hind rollers E E are mounted. Above these rollers and supported by their frames are boxes, G G, in which stones or other weights may be placed, if desired. The hind frames D D are connected to the front frame by means of a screw-bolt, a, passing from the center of the front bar of each frame through an elongated slot in the projecting end of the bar A², said bolt having upon its end a nut, b, to hold the frame D to said bar. The frames D D are moved simultaneously in or out by means of a lever, H,

pivoted to a short standard rising from the center of the bar A², and a rod, d, connects each frame with said lever, one above and the other below the pivot-point. By turning said lever in either direction the frames are moved at will, and held in the desired position by a pin, e, passing through the standard, I, and into or on either side of the lever. This change can readily be effected while the machine is in motion, and the object of this adjustability is to obviate the necessity of tearing down the fence, as a full-sized machine cannot pass through an ordinary farm-gate. In the front ends of the bars A A is pivoted a bar, J, to the upper side of which is firmly secured a circular disk, K. On this disk is laid and pivoted another disk, L, by means of a central bolt, f. To and across the upper surface of the disk L is firmly secured the tongue M, the bolt f passing, also, through said tongue. The tongue M is held stiff, either straight out or at any angle desired by means of one or two pins, h, passing through the tongue and upper disk L and into one of a series of holes in the lower disk K. The object of the adjustable tongue is to save the horses' necks, and do all the work by means of the whiffle-trees, and also to turn much shorter.

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

The combination of frames D D and bar A², the latter being slotted as described, and the former being provided with bolts, a a, connected together by suitable mechanism so as to be adjusted to or from each other from the driver's seat, substantially as set forth.

In testimony that I claim the foregoing as my own, I affix my signature in the presence of two witnesses.

GEORGE H. DOW.

Witnesses:

H. BRIGHT,
J. M. SMITH.

(84)