

James M. Kelly's Field Roller

No. 118,616.

Patented Aug. 29, 1871.

[84.]

Fig 1

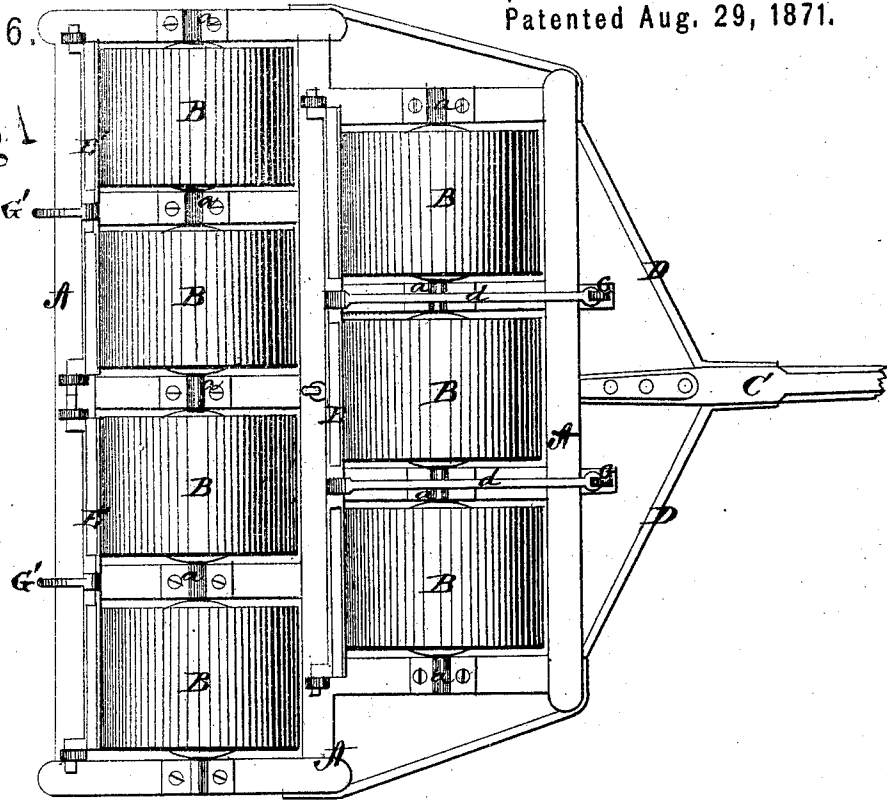
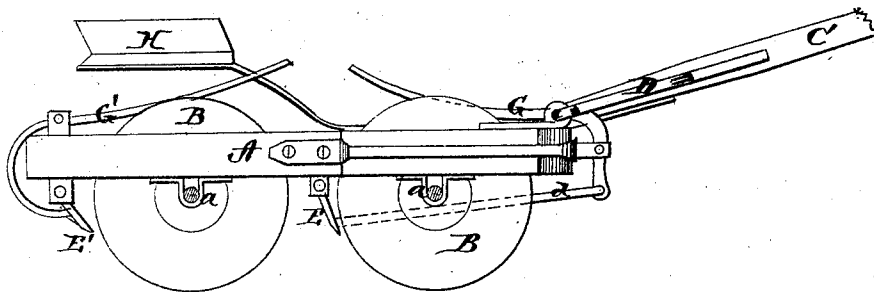


Fig 2



Witnesses.

C. L. Evert.
Jas. O. Hutchinson

Inventor.

James M. Kelly.
per Alexander Macdonald

attys

UNITED STATES PATENT OFFICE.

JAMES M. KELLY, OF ELLISON, ILLINOIS.

IMPROVEMENT IN FIELD-ROLLERS.

Specification forming part of Letters Patent No. 118,616, dated August 28, 1871.

To all whom it may concern:

Be it known that I, JAMES M. KELLY, of Ellison, in the county of Warren and in the State of Illinois, have invented certain new and useful Improvements in Field-Rollers; and 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 making a part of this specification.

The nature of my invention consists in the construction and arrangement of a field-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 bottom view, and Fig. 2 a side elevation of my machine.

A represents the frame of my machine, constructed in such a manner as to have spaces for seven rollers, three in front and four behind. I may construct my frame for only five rollers, in which case two are placed in front and three in rear. The journals of the rollers B B are placed in journal-boxes *a a*, on the under side of the frame, said boxes being so constructed that the rollers can play up and down in the same independent of each other. In the center, at the front end of the frame A, is attached the tongue C, braced by means of the rods D D, said rods and

tongue being so arranged that the tongue can play up and down. In rear of the front set of rollers, on the under side of the frame A, is hinged a scraper, E, which is connected, by rods *d d*, with levers G G, said levers being operated by the driver's feet when desired to clean the front rollers. The driver is seated on the seat H, and on each side of said seat is a lever, G', connected with a scraper, E', hinged on the under side of the frame in rear of the rear rollers. Thus the driver can at any time clean the rollers without getting off his seat.

I do not, broadly, claim a roller provided with a scraper operated by a lever; nor do I, broadly, claim a field-roller having one set of rollers placed in front of the other so as to break joints.

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

The within-described field-roller, composed of the frame A, provided with the loosely-journaled rollers B B, one set being arranged in front of the other, as shown, and the scrapers E E', operated by the levers G G', all substantially as and for the purposes shown and set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 29th day of May, 1871.

JAMES M. KELLY.

Witnesses:

H. W. ALLEN,
A. P. WARNER.