

(No Model.)

H. E. SCOTT.

LAND ROLLER.

No. 283,288.

Patented Aug. 14, 1883.

Fig. 1.

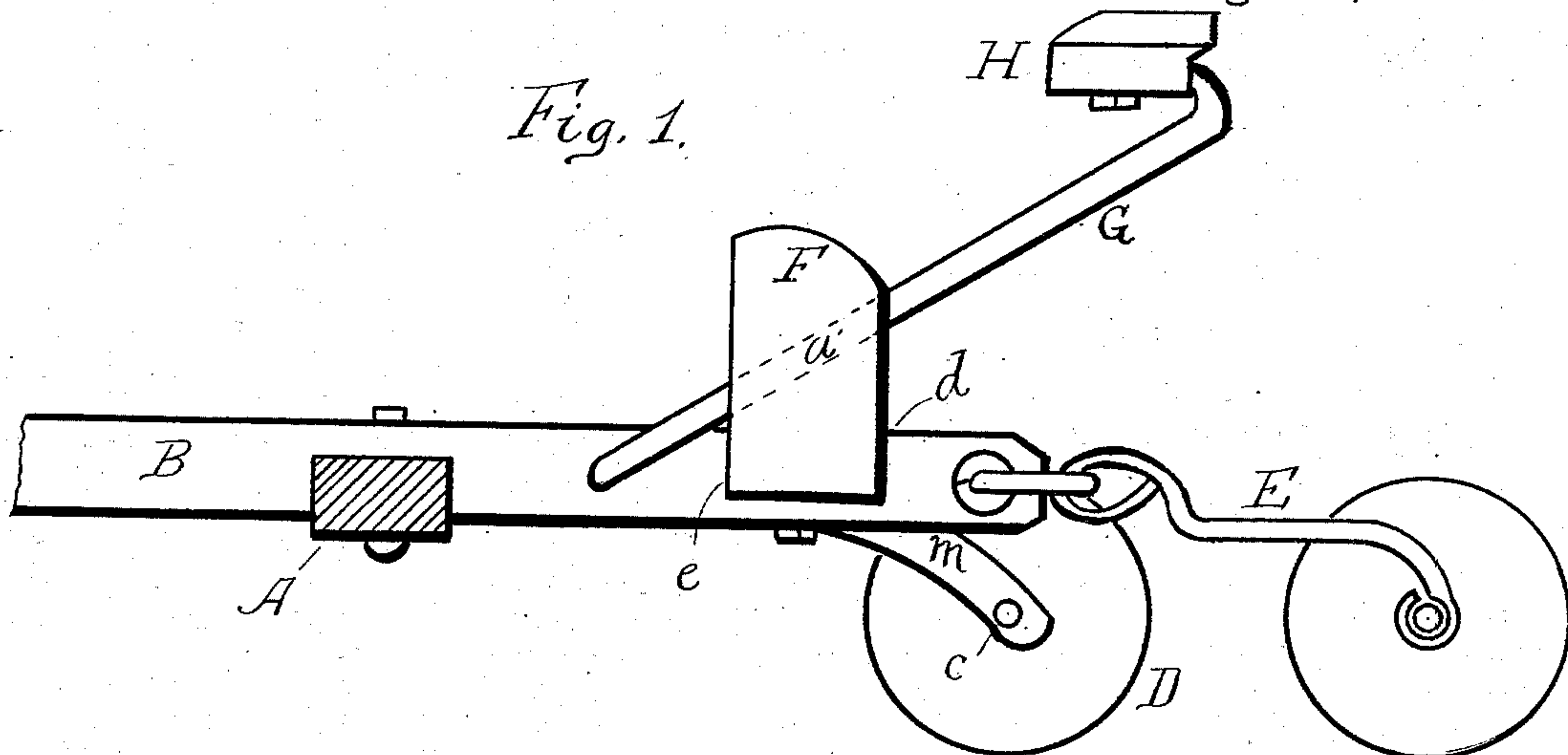
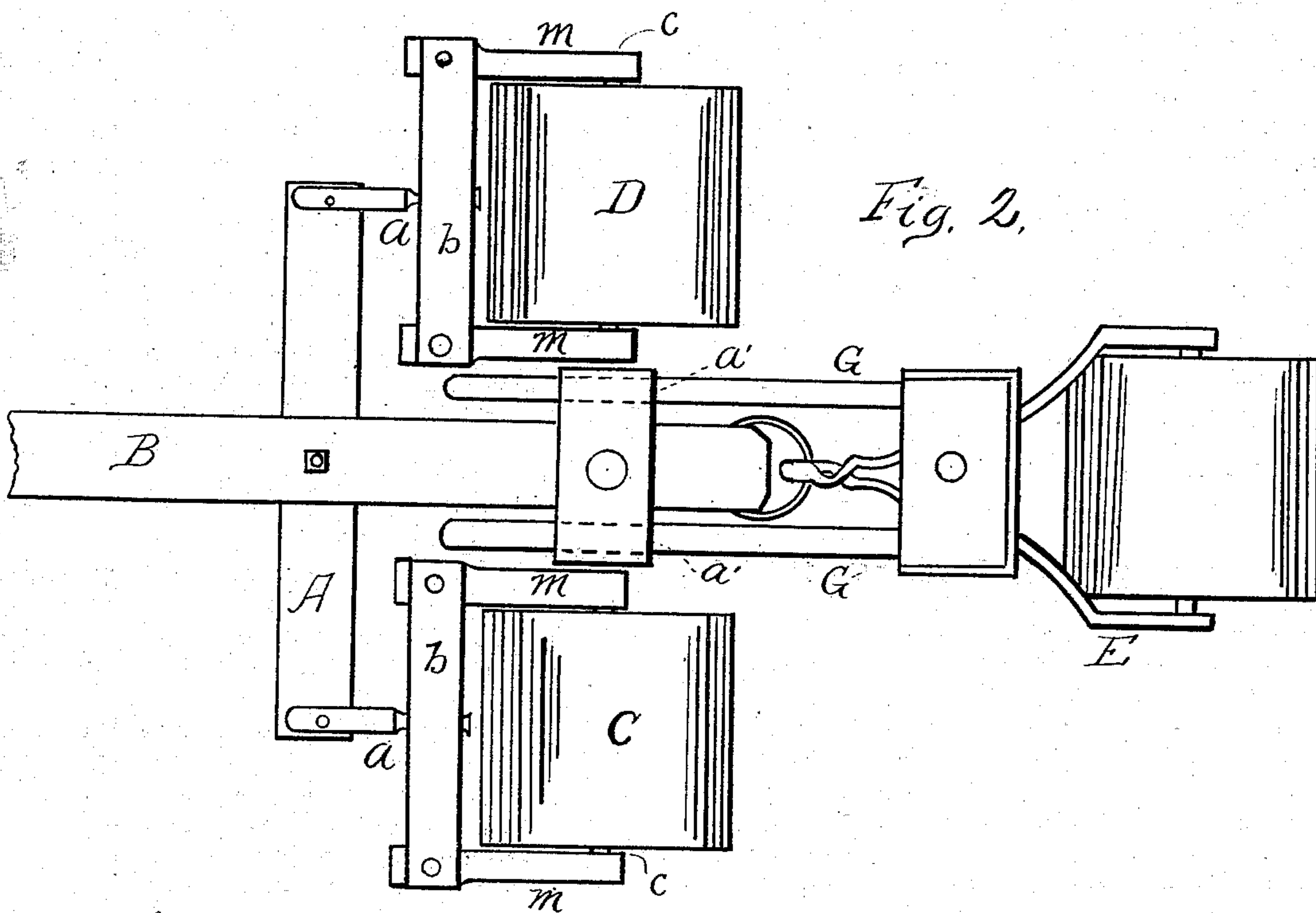


Fig. 2.



WITNESSES

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HENRY E. SCOTT, OF OSSIAN, IOWA.

LAND-ROLLER.

SPECIFICATION forming part of Letters Patent No. 283,288, dated August 14, 1883.

Application filed April 16, 1883. (No model.)

To all whom it may concern:

Be it known that I, HENRY E. SCOTT, a citizen of the United States, residing at Ossian, in the county of Winneshiek and State of Iowa, have invented certain new and useful Improvements in Land-Rollers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention has relation to improvements in land-rollers; and it consists in the construction and novel arrangement of parts, as will be hereinafter more fully set forth and claimed.

In the accompanying drawings, to which reference is made—similar letters indicating corresponding parts—Figure 1 is a representation of a side elevation of my device, taken in section through Fig. 2; and Fig. 2 is a plan view of the roller complete.

Referring to the drawings by letter, A designates the cross-beam, which is centrally mortised upon its upper face and adapted to receive the pole or tongue B, which is secured thereto by means of bolts and nuts or other suitable fastening devices. To each end of this cross-bar are secured, by swivel connections *a*, rollers C and D. The means by which these rollers are connected to this cross-bar consists of short transverse bars *b*, to the middle of which the opposite ends of the swivels *a* are directly connected, and rearwardly-bent arms *m*, provided with perforations, which are journaled in the roller-bearings *c*. These arms *m* are provided at their forward ends with a perforation to register with those at the ends of the transverse beams *b*, to receive bolts or other fastening devices, whereby the same may be securely connected together and disconnected for the purpose of removing and replacing the rollers. The tongue is provided at its rear end with one or more perforations or other suitable means, whereby the frame E, which is secured to the rear roller, substantially as shown, may be directly connected there-

with. This frame E may be constructed entirely of spring metal, thus rendering its application to the roller very easy and simple. This tongue is provided with a transverse mortise or groove, *d*, in which the corresponding groove, *e*, of the seat-block F is designed to be secured. This seat-block is provided transversely with diagonal perforations *a' a'*, through which, from the rear of the machine, the seat-beams are inserted. Upon the forward or upper end of the beams G is a suitably-mounted seat, H.

The main object of this invention is to provide, in a land-roller in which the seat rests upon the tongue, a cheap and simple means whereby the said seat may be easily adjusted back and forth and held securely in any desired position. By the means shown this object is accomplished, and the weight upon the horses will always remain the same, no matter how heavy the weight of the driver may be. The friction caused by the weight of driver upon the seat-rods in the block F will be sufficient to hold the seat in any desired position during operation.

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

In a land-roller, the tongue B and the transverse bearing-block F, secured to the tongue and extending to each side of the same, and provided with oblique parallel perforations extending through the projecting portions, in combination with the bars G and the seat, whereby the seat may be adjusted and held by frictional contact without fastening, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses:

HENRY E. SCOTT.

Witnesses:

M. J. CARTER,
J. C. MURPHEY.