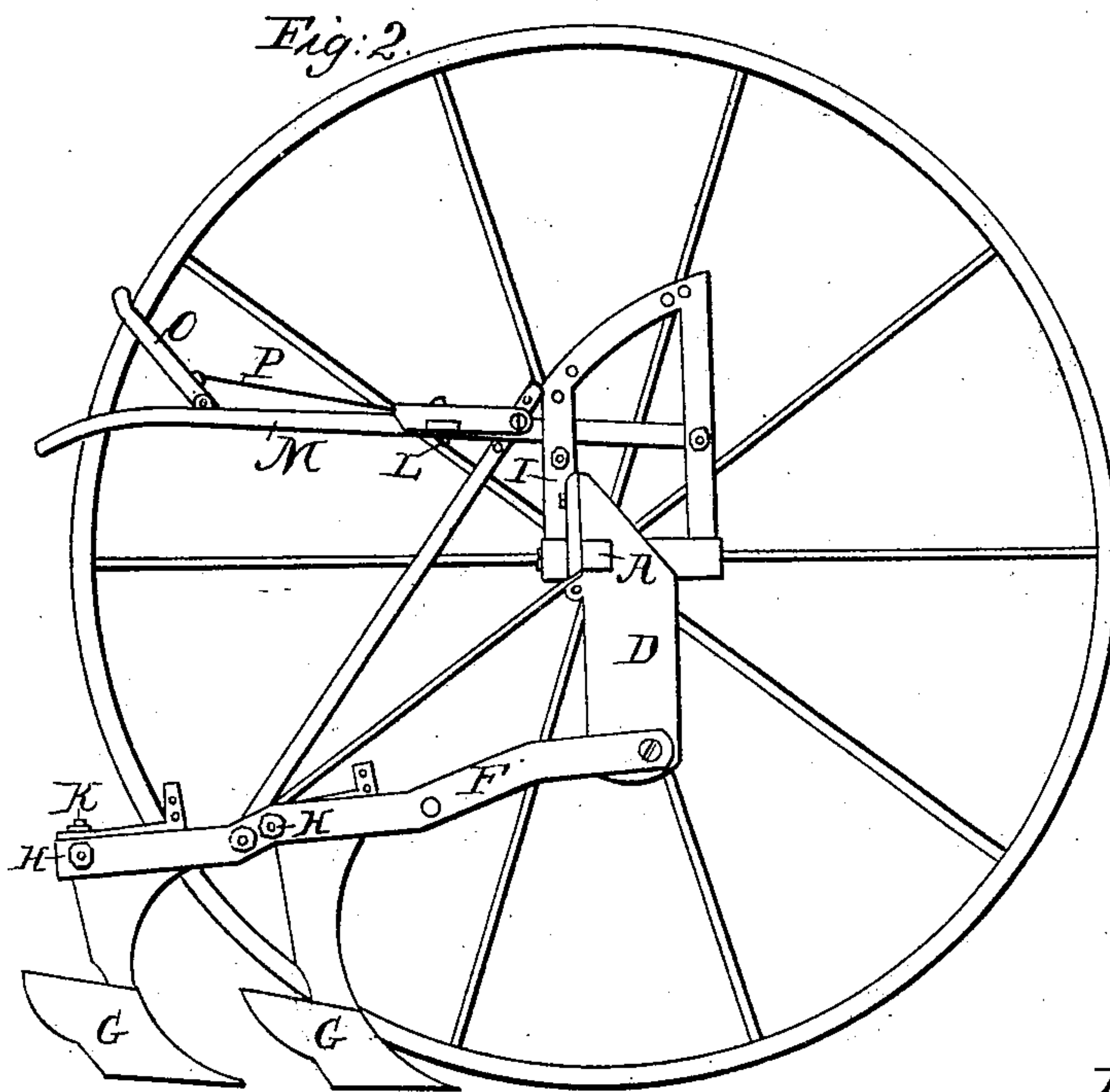
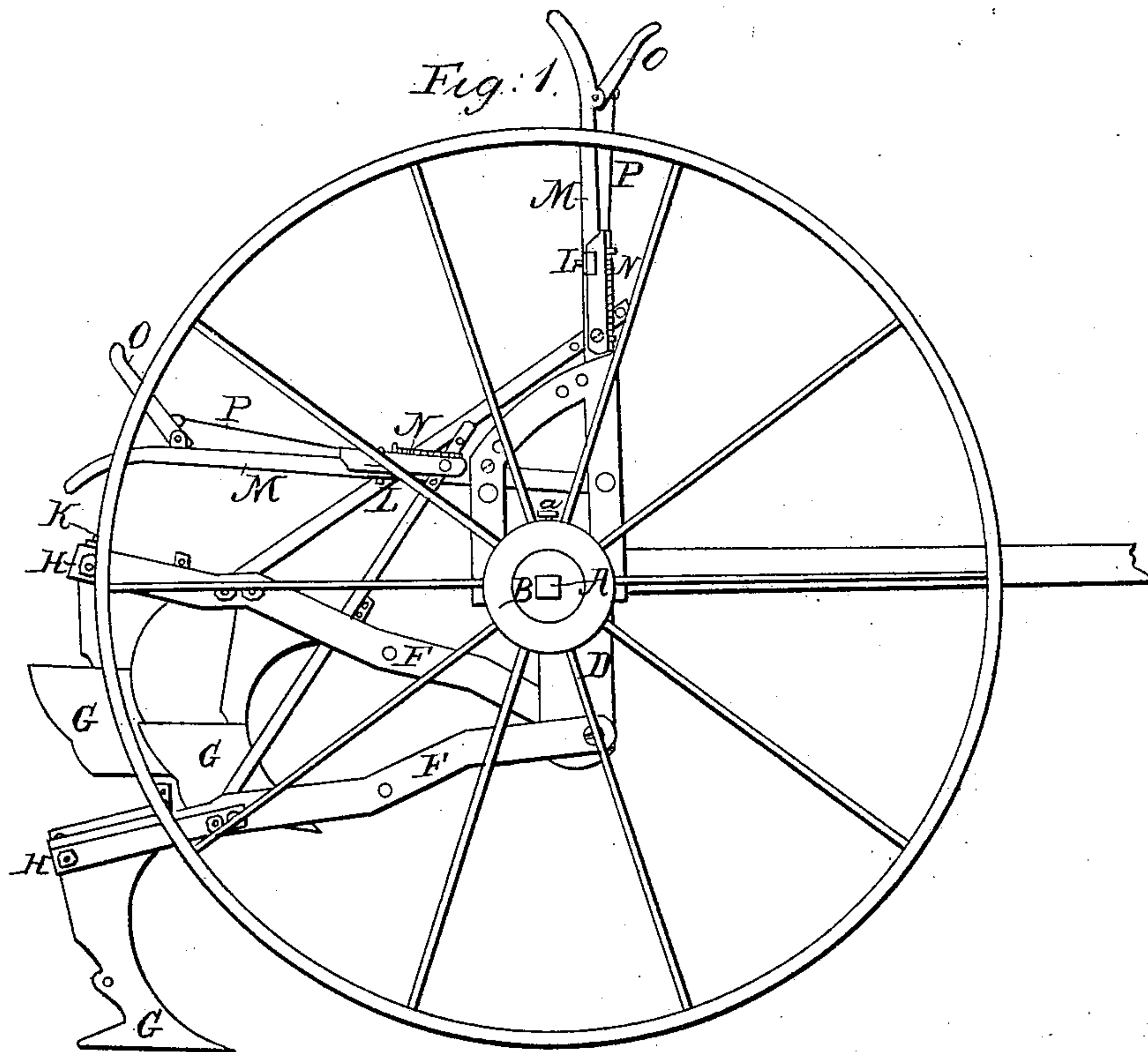


T. PEPPLER.
Gang Plow.

2 Sheets—Sheet 1

No. 110,281.

Patented Dec. 20, 1870



Witnesses

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Edw. Gosson

Inventor

Thomas Peppler
per
Gery C. Taylor
Attorney

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Fig: 3.

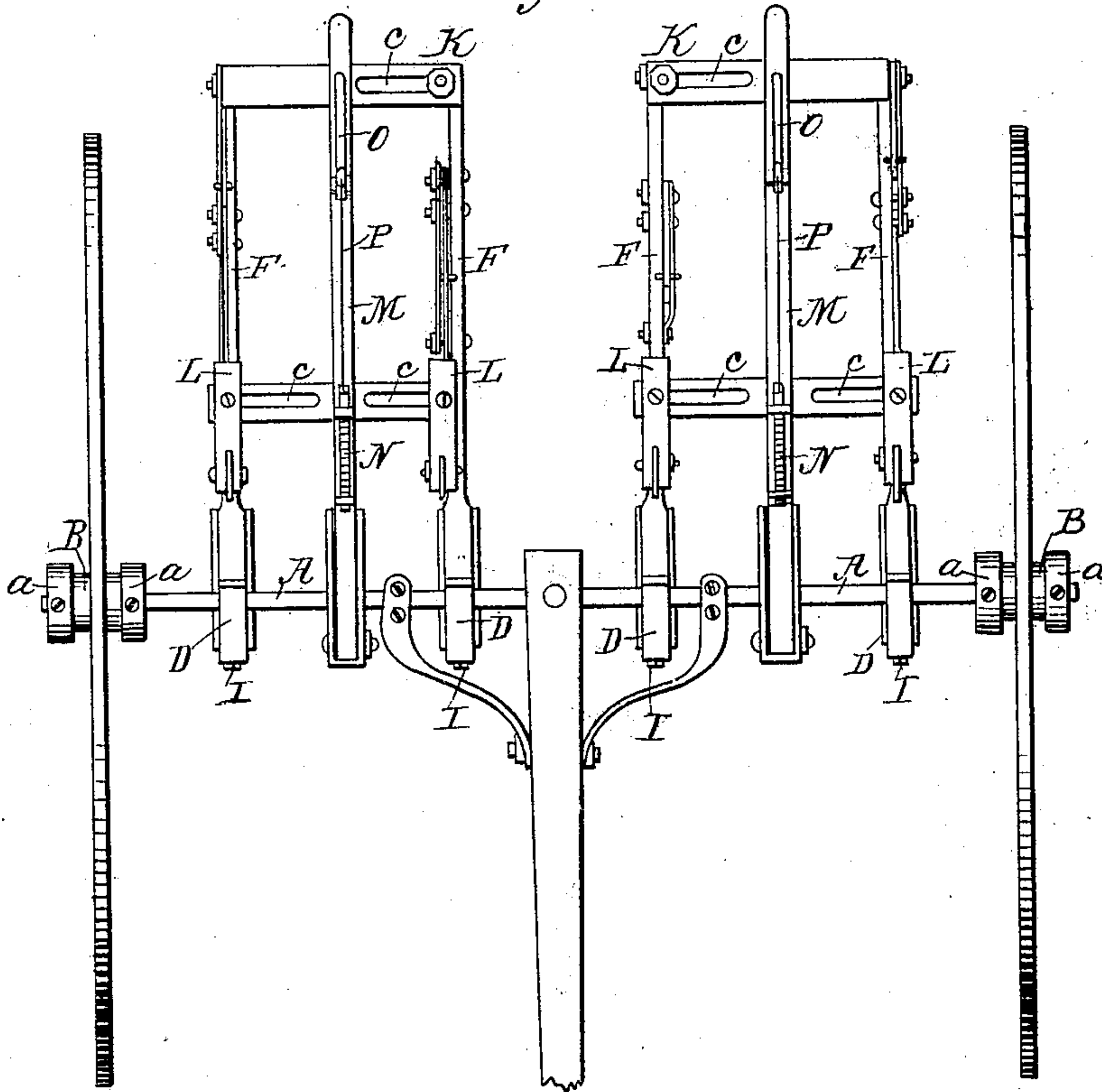


Fig: 4.

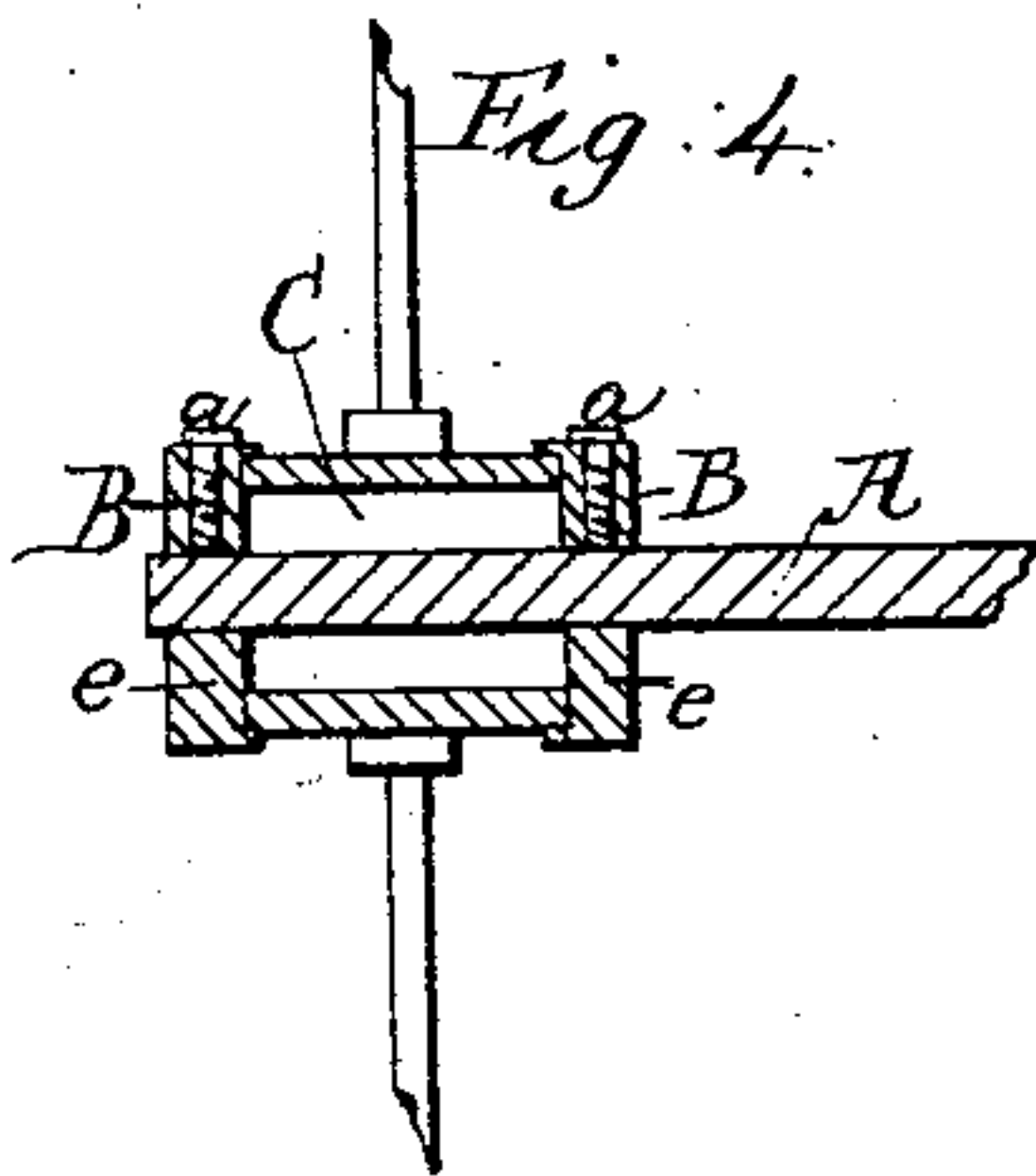


Fig: 5.

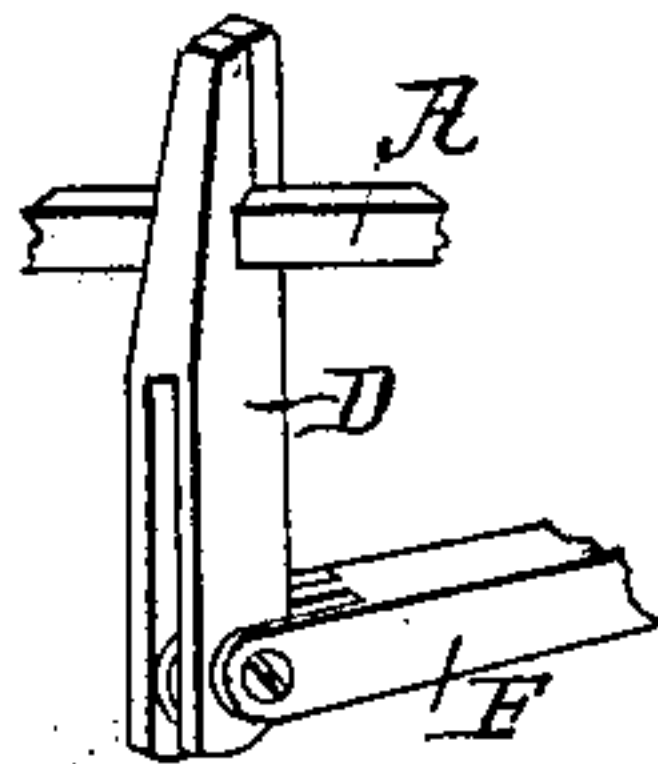
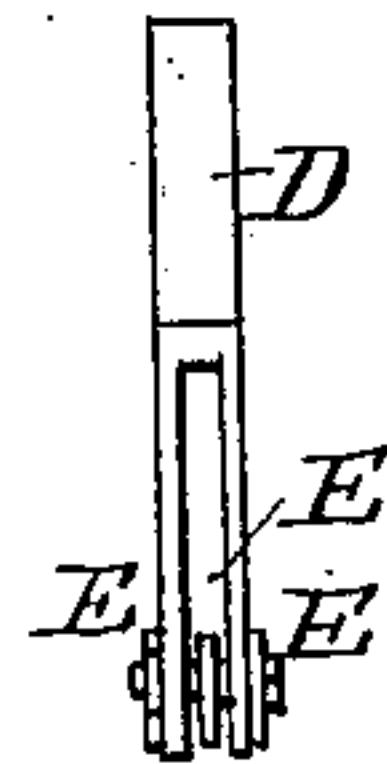


Fig: 6.



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United States Patent Office.

THOMAS PEPPLER, OF HIGHTSTOWN, NEW JERSEY.

Letters Patent No. 110,281, dated December 20, 1870.

IMPROVEMENT IN GANG-PLOWS.

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, THOMAS PEPPLER, of Hightstown, in the county of Mercer and State of New Jersey, have invented a new and improved Gang-Plow; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing which forms a part of this specification and to the letters of reference marked thereon.

Figure 1 represents a side elevation.

Figure 2 is a bisection

Figure 3 is a plan.

Figure 4 is a bisection of the adjustable nave or hub, showing the square axle and inner box.

Figure 5 is a front and side view of the axle attachment.

Figure 6 is a front view of the same.

Similar letters of reference where they occur denote like parts in the drawing.

My invention consists of a gang-plow having a square axle and appropriate box fitted thereon, and a separate nave or hub working upon the same, the axle having adjustable pendants, which relieve the horses from neck or side draft, the lower part of which pendants are provided with double joints or jaws, by which the draft-bars are raised or lowered to give the required depth to the plows.

To enable others to make use of my invention I will describe the same.

A is the square axle passing through the nave or hub B, and is contained in the inner nave or box C, as shown in fig. 4, thus allowing the gauge of the wheels to be widened or narrowed, as desired, by means of the screws *a a*.

The screws *a a* pass through the caps *e e* and bear upon the square axle, thus holding the adjustable box at any desired gauge. These caps also hold the nave of the wheel which revolves on the adjustable box, and, at the same time, prevents sand or dirt from en-

tering either, and holds the oil or grease within the same.

By loosening the said screws *a a* the wheels can be moved outwardly or inwardly upon the square axle whenever it is desired to narrow or widen the track, in the same manner as the adjustable pendants, by which the distance between the furrows is regulated.

D D are the adjustable pendants attached to the axle, and are provided with double joints or jaws E E, to which are attached the draft-bars F F.

The plow-blades G G are connected with the draft-bars by means of the screws and nuts H H, the points of which can be raised or lowered by means of pins placed in the holes shown in the upper part of the plows.

The gauge of the plow is regulated by means of the screws I I, shown in fig. 3, and the screws and nuts K K and L L working in the slots *c c*.

The draft-bars are raised or lowered by means of the levers M M, and are held in position when raised by the spring-bolts N N upon the levers, connected with the latch-levers O O by the rods P P.

By this arrangement there is less neck-draft on the horses. The plow can be adjusted to make ridges or furrows of various width or depth, and entirely obviates the lateral motion, which has hitherto been so troublesome and objectionable in wheel-plows.

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

The gang-plow, composed of the square axle A, adjustable box C, caps *e e*, movable pendants D D, the double joints or jaws E E, constructed for the purpose herein set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THOMAS PEPPLER.

Witnesses:

L. C. GOSSEX,
B. O. TYLER.