

D. C. Matteson,

Wheel Plow.

Nº 78,464

Patented June 2, 1868.

Fig: 1.

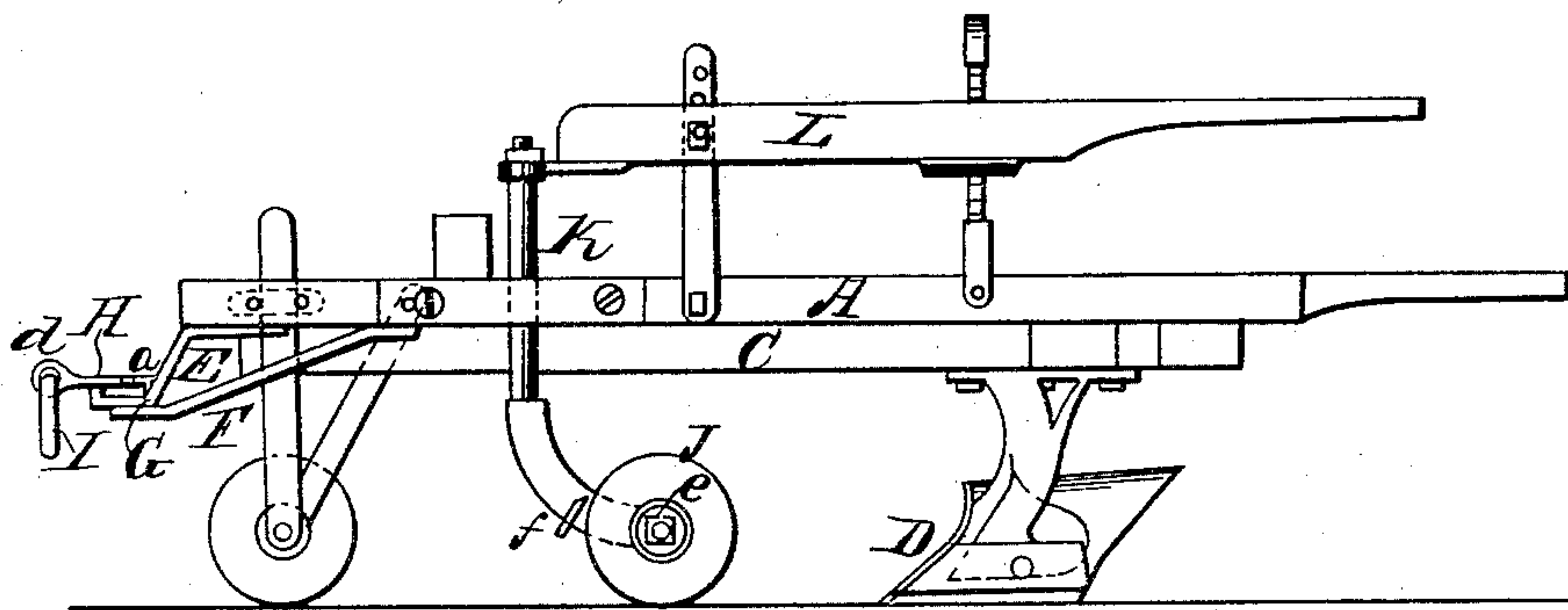


Fig: 2.

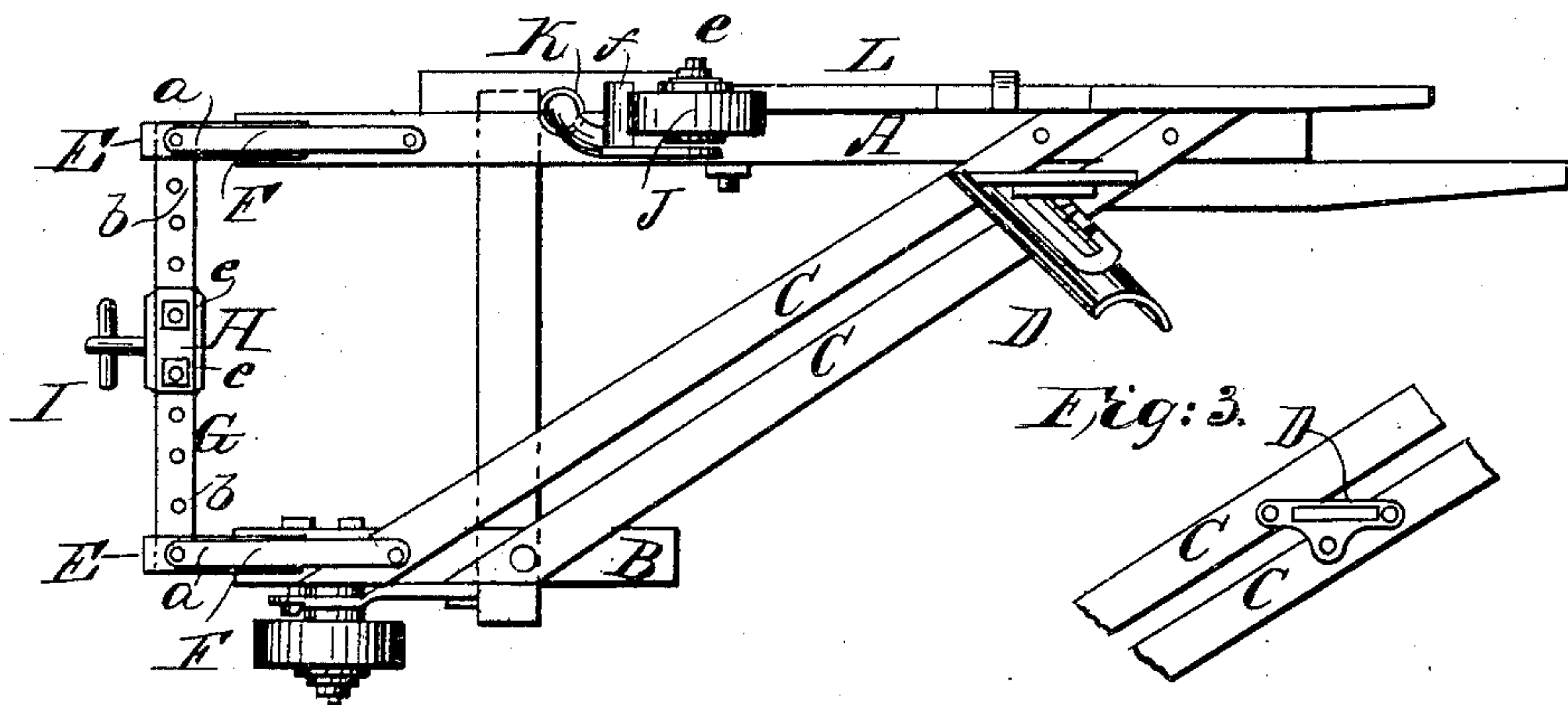
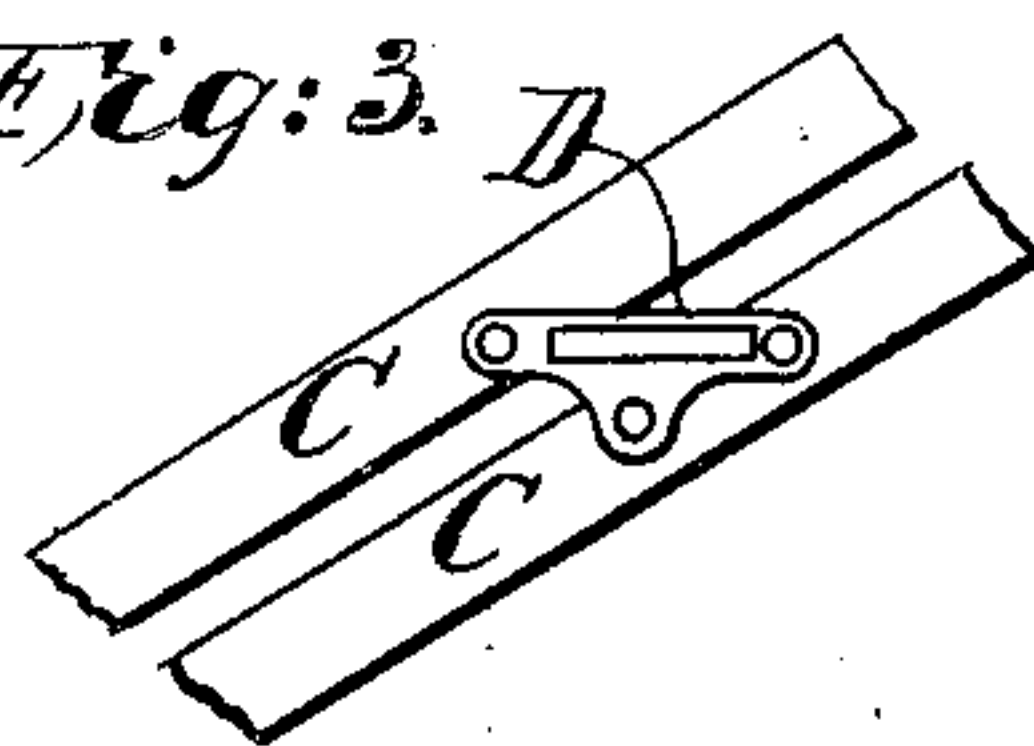


Fig: 3.



Witnesses:
D. C. Ashkettle
Wm A. Morgan

Inventor:
D. C. Matteson
per Munn & Co
attorneys.

United States Patent Office.

DON CARLOS MATTESON, OF STOCKTON, CALIFORNIA.

Letters Patent No. 78,464, dated June 2, 1868.

IMPROVEMENT IN GANG-PLOUGH.

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, DON CARLOS MATTESON, of Stockton, in the county of San Joaquin, and State of California, have invented a new and improved Gang-Plough; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and useful improvement in gang-ploughs, and it consists in a peculiar construction of the same, whereby the difficulty hitherto attending the springing and warping of the frame is avoided. The invention also consists in a novel and improved arrangement of the draught-attachment, whereby the same may be placed at a sufficiently low point without curving the frame of the machine downward at its front part, as is now required. The invention consists, finally, in a novel arrangement of the caster-gauge wheel, whereby the same is prevented from becoming choked or clogged with weeds and trash.

In the accompanying sheet of drawings—

Figure 1 is a side view of my invention.

Figure 2, an inverted plan of the same.

Figure 3, an inverted plan of a portion of the same.

Similar letters of reference indicate corresponding parts.

The frame of the device is composed of two parallel beams, A B, the former, A, being considerably longer than the other one, B. These two beams are connected by two oblique or diagonal bars, C C, which are parallel with each other, and bolted firmly, at their ends, to the beams A B, (see fig. 2.)

To these beams C C the ploughs D are attached, which may be constructed in any of the known ways. The two beams C C answer equally as good a purpose as a single plank or wide bar, hitherto employed, and not liable to spring and warp, as is the case with the plank or wide bar, and which occasions considerable difficulty. This simple feature adds greatly to the value of my invention.

To the front end of each beam A B, there are secured, by bolts, two metal bars, E F, which are so bent or curved as to extend downward, and are secured together, those of each beam, at their front ends, by a bolt, *a*. The bars F serve as braces to the bars E, as will be seen by referring to fig. 1.

G is a bar, the ends of which are secured, by the bolts *a*, to the front ends of the bars E F. This bar G is perforated with holes, *b*, through any of which bolts *c* pass, to secure a plate, H, to the bar, said plate H having an eye, *d*, formed at its front end, through which a ring, I, passes, to which the double-tree is attached. By adjusting the plate H more or less to the right or left, more or less land may be given the ploughs, as desired, and, by having the plate H attached to the bar G, which, on account of being attached to the bars E F, is below the beams A B, a low draught-attachment is obtained without curving the beams A B, which is a great saving of expense in constructing the frame of the device.

J represents a caster-gauge wheel, which is attached to a vertical arbor, K, the latter passing loosely up through the beam A, and attached, at its upper end, to a lever, L. The lower part of the arbor K is curved, so as to be at one side of the caster-wheel, the axle *e* extending from K at right angles. The arbor K has a scraper, *f*, extending at right angles from it, and across the face of the wheel, in order to keep the periphery of the same free from earth. In consequence of having the wheel J attached to the arbor K without a fork, weeds, trash, &c., are not liable to catch and choke up the wheel, there being no place for them to lodge, a difficulty which occurs, in a greater or less degree, with all caster-wheels which are set in a forked arbor.

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

1. The bars E F, attached to the front ends of the beams A B, with the perforated draught-bar G attached thereto, substantially as and for the purpose specified.

2. The attaching of the caster-wheel J to a single arbor, K, provided with a scraper, *f*, substantially as and for the purpose set forth.

DON CARLOS MATTESON.

Witnesses:

WM. F. McNAMARA,

ALEX. F. ROBERTS.