A. D. BLANCHARD.

Wheel-Plow.

No. 211,958. Patented Feb. 4, 1879.

Fig. 1.

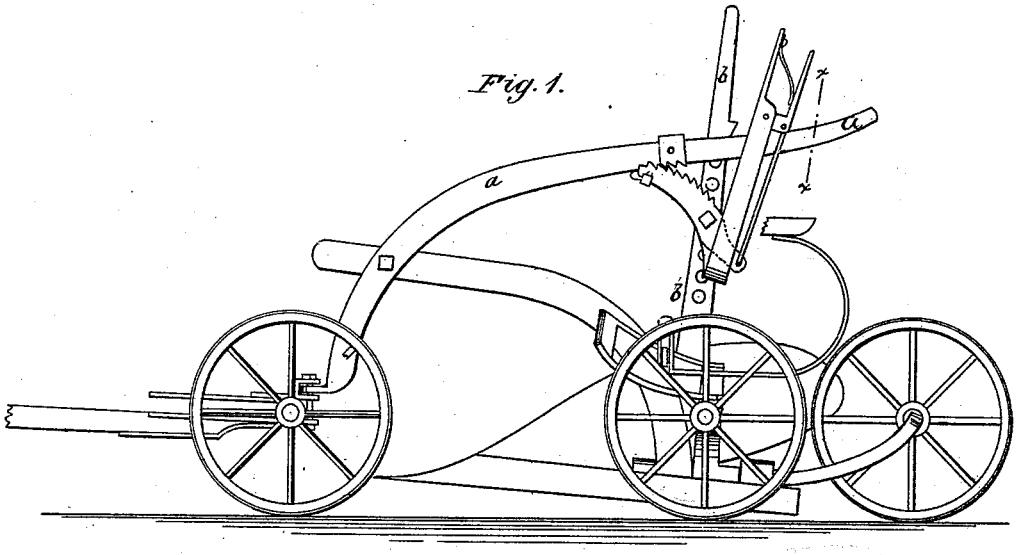

Fig. 2.

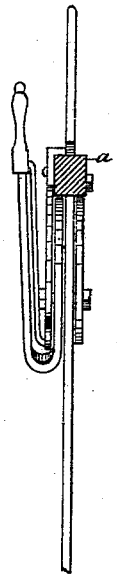

Fig. 3.

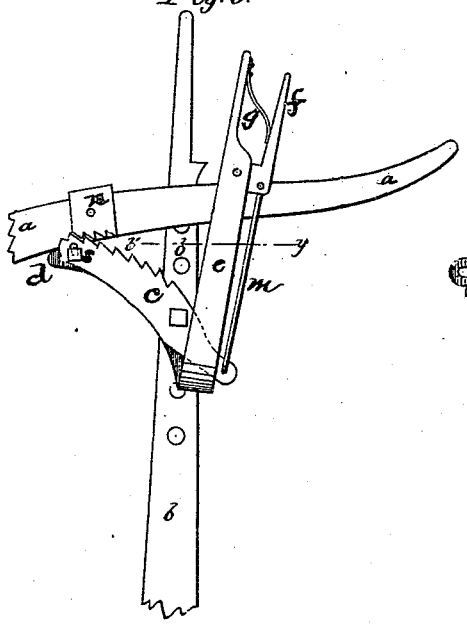

Fig. 4

WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

ALBERT D. BLANCHARD, OF HUTCHINSON, KANSAS.

IMPROVEMENT IN WHEEL-PLOWS.

Specification forming part of Letters Patent No. **211,958**, dated February 4, 1879; application filed June 20, 1878.

To all whom it may concern:

Be it known that I, ALBERT D. BLANCHARD, of Hutchinson, in the county of Reno and State of Kansas, have invented a new and useful Improvement in Wheel-Plows; and I do hereby declare that the following is a full, clear, and exact description of the same.

The invention is an improvement in the class of wheel-plows which may be raised and lowered by means of a lever or levers, and is more particularly an improvement upon the plow forming the subject of Letters Patent granted G. W. Hunt, July 21, 1874.

The invention consists, broadly stated, in adjusting the rear end of a long slotted lever, to which the plow-beam is pivoted, by means of an eccentric-lever which is pivoted to the elongated vertical plow-standard, and thereby raising or lowering the plow itself, so as to make it run at any required depth, or to take it out of the ground altogether, as required when moving it from one place or field to another. An adjustable ratchet-plate is attached to the eccentric-lever, which engages a pawl on the aforesaid slotted lever, and thereby forms the device which holds the parts locked and the plow fixed in any adjustment.

In the accompanying drawings, forming part of this specification, Figure 1 is a side view of my plow. Fig. 2 is a detail cross-section on line *x x*, Fig. 1. Fig. 3 is a side view of the adjusting mechanism detached from the machine and enlarged. Fig. 4 is a cross-section of the adjusting or eccentric lever on line *y y*, Fig. 3.

a is the long curved slotted lever to which the plow-beam is pivoted, and which is connected with a truck or wheeled axle by a detachable pivot-bolt. The standard *b* passes through a slot in said lever, and to it is pivoted the eccentric *d*, by means of which the lever *a* is raised or lowered. *e* represents the lever by which the eccentric *d* is worked. *c* represents the ratchet attached at the upper end to the eccentric *d* and standard *b* by a bolt passing through the ratchet *c*, the eccentric *d*, and the standard *b*, which bolt is represented by *p*. *n* represents the catch on which ratchet works, attached to lever *a* by a bolt. *f* represents the lever connected with the ratchet and controlling it. *m* is the connecting-rod between lever *f* and ratchet *c*. *g* is the spring between the two levers to throw out lever *f*, and thus throw the ratchet upward, so as to connect with the catch *n*.

The ratchet *c* and eccentric *d* are connected in the front by a bolt passing through the eccentric *d*, and working in a slot, *s*, in ratchet *c*.

What I claim is—.

1. The combination of the eccentric *d*, lever *e*, and ratchet *c* with the slotted lever *a*, catch *n*, standard *b*, plow-beam *h*, and frame, substantially as shown and described.

2. The eccentric *d*, made rigid upon the lower end of the lever *e*, and provided with the ratchet-plate *c*, having a slot, *s*, and being actuated by the spring-catch *f*, substantially as shown and described.

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Witnesses:

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