

J. W. Jones,

Flow.

No. 24,001.

Patented Aug 24, 1869.

Fig: 1.

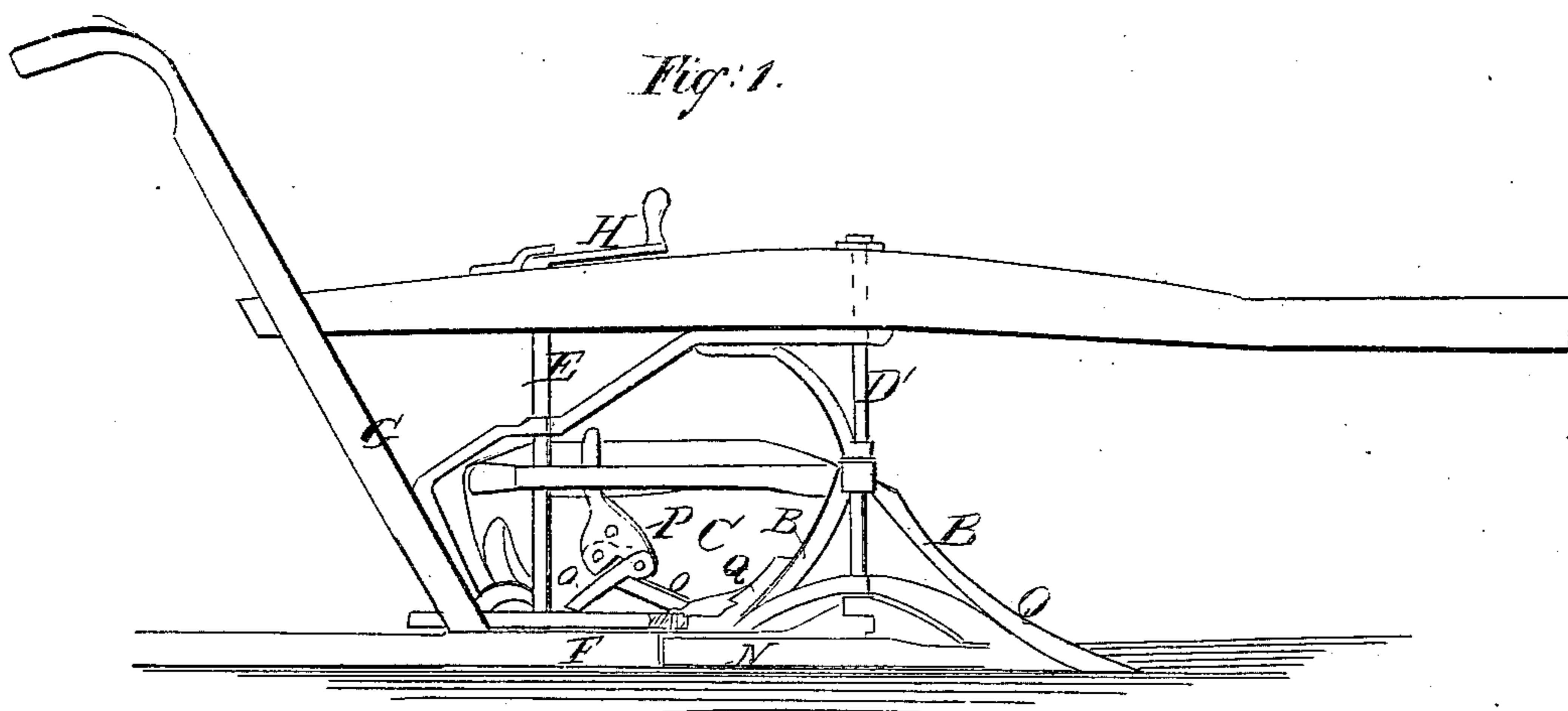
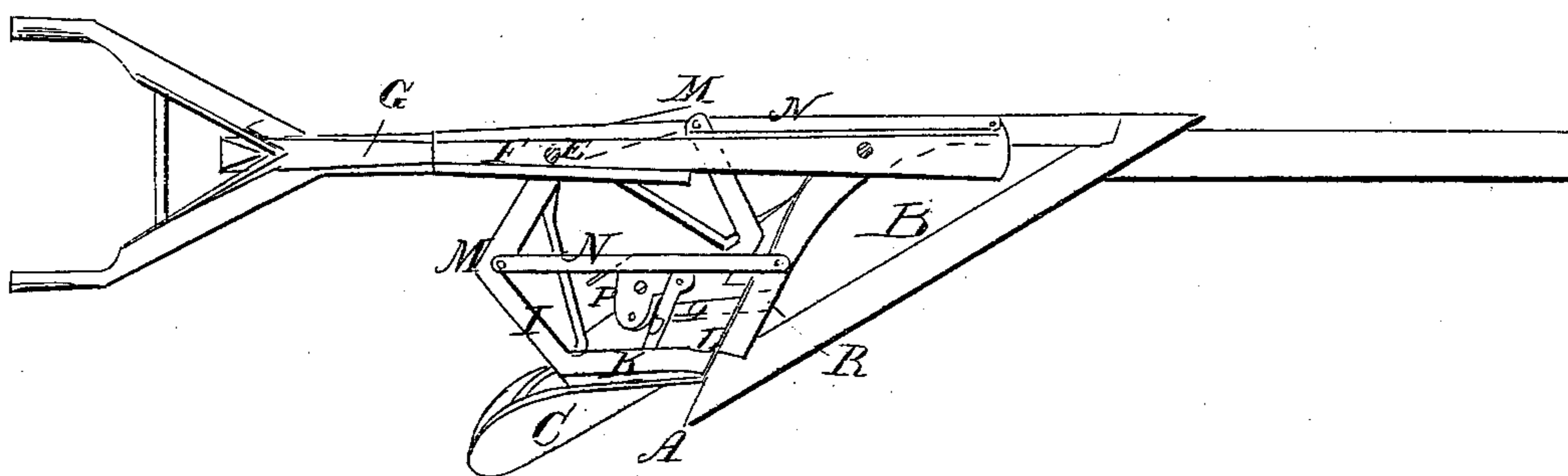


Fig: 2.



Witnesses:

Geo. W. Hyatt
Geo. W. Brooks

Inventor:

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PER *[Signature]*
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UNITED STATES PATENT OFFICE.

JOHN W. JONES, OF THOMSON, ILLINOIS, ASSIGNOR TO HIMSELF AND S. H. BECKWITH, OF SAME PLACE.

IMPROVEMENT IN REVERSIBLE PLOWS.

Specification forming part of Letters Patent No. 94,001, dated August 24, 1869.

To all whom it may concern:

Be it known that I, JOHN W. JONES, of Thomson, in the county of Carroll and State of Illinois, have invented a new and useful Improvement in Reversible Plows; 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 improvements in reversible plows, and has for its object to provide a simple and efficient arrangement of means for reversing and fastening them when reversed. The mold-board is made in two parts and suspended on vertical posts, the rear one being a crank-shaft, and provided at the bottom, above the runner, with a supporting-frame for the rear part of the mold-board, to which the front part is connected by two connecting-rods to cause the two parts to vibrate simultaneously. The rear part is also provided with a locking device for securing the said double mold-board at either side, all as hereinafter more fully specified.

Figure 1 represents a side elevation of my improved plow, and Fig. 2 represents a plan view of the bottom.

Similar letters of reference indicate corresponding parts.

The mold-board is divided on the line A into two triangular parts, B C, which are supported on vertical posts D E, supported at the top in the plow-beam and at the bottom in a runner, F, projecting from the handle or shank G forward under the beam and constituting the landside for both sides. The front post is rigidly connected to the beam and the said runner, and the other is capable of rotation. The base of the front triangular part, B, is at the bottom and supports the share, and the base of the other part, C, is at the top. The form and arrangement of the front part therefore constitute the form of a plowshare and colter part or cutting-edge when either point of the base pro-

jects forward, and when turned either way the rear parts form the proper continuation of the mold-board. The front part is connected to the post D, so as to swing thereon; but the back part is rigidly connected to the shaft E and is turned by it, a crank, H, being applied for the purpose.

At the bottom of the shaft E a bracing-frame, I, is connected, consisting of an endless bar of iron, irregularly shaped, with six sides, two of which, K and L, are so shaped as to coincide with the two sides of the part C of the mold-board, and the latter is riveted at the said sides to these sides of the frame. These two sides also form rests for the rear of the part B, one serving for one side and the other for the other. At the extremities of the widest part of this frame I, as at M, it is connected by rods N to the front part, B, of the mold-board for moving it from side to side simultaneously with the movement of the part C. The part C is provided on the under side with a pair of locking-slides, O, connected to a vibrating plate, P, and so arranged as to slide into notches in the triangular brace Q of the part B, passing through passages in the frame I, or between it and the part C of the mold-board, as clearly shown at R in Fig. 2. One of these slides is used on one side and one on the other.

The vibrating plate P is provided with a handle for operating it.

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

1. The mold-board formed in two triangular parts, B C, and combined together and with the posts E D, and turning and supporting frame I, when all arranged substantially as specified.

2. The combination of the two parts B C of the mold-board and the locking-slides O, when arranged and operating substantially as specified.

JOHN W. JONES.

Witnesses:

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