

J. P. Manny. Mower.

No. 20807

Patented July 6. 1858

Fig. 1.

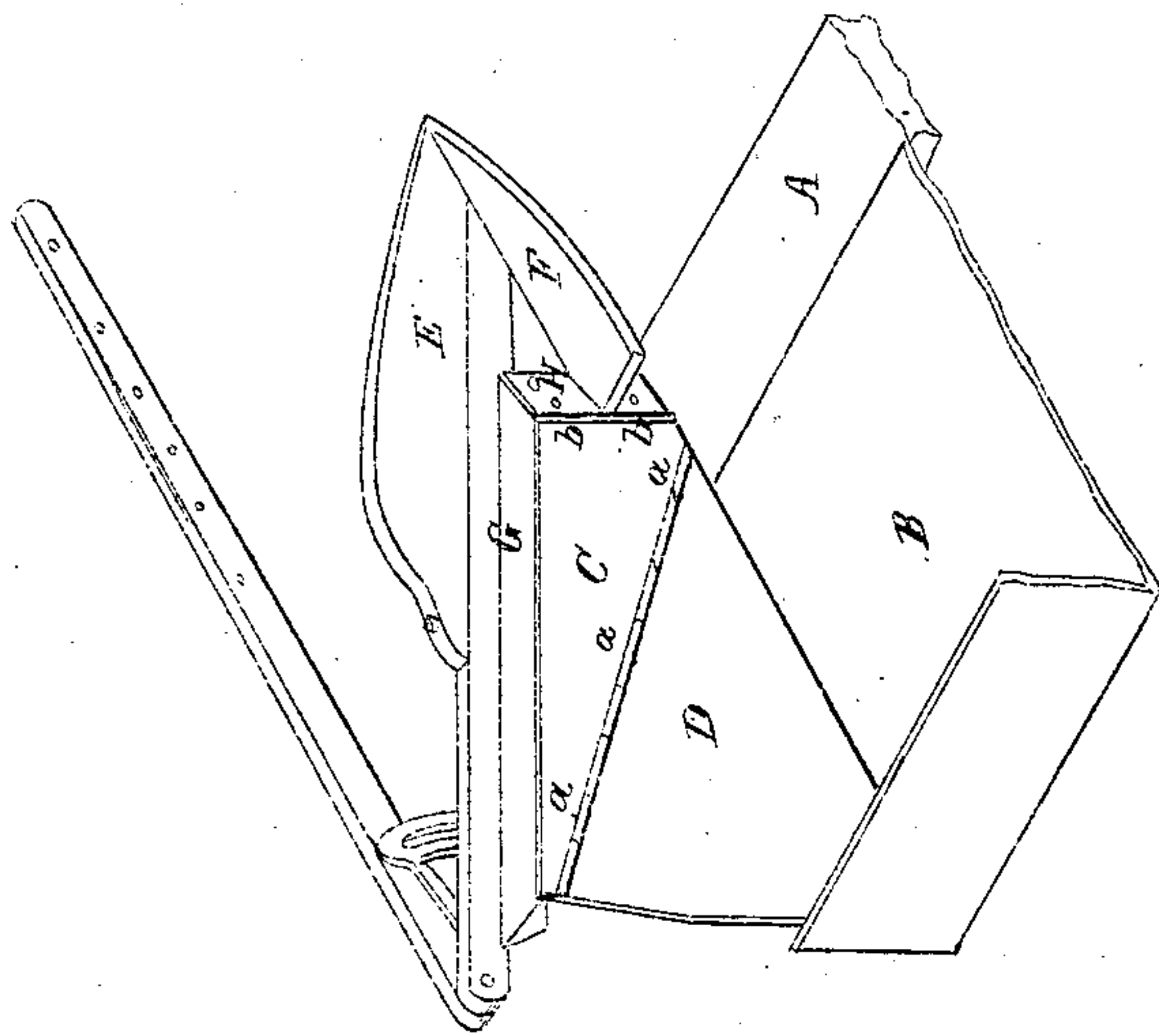


Fig. 2.

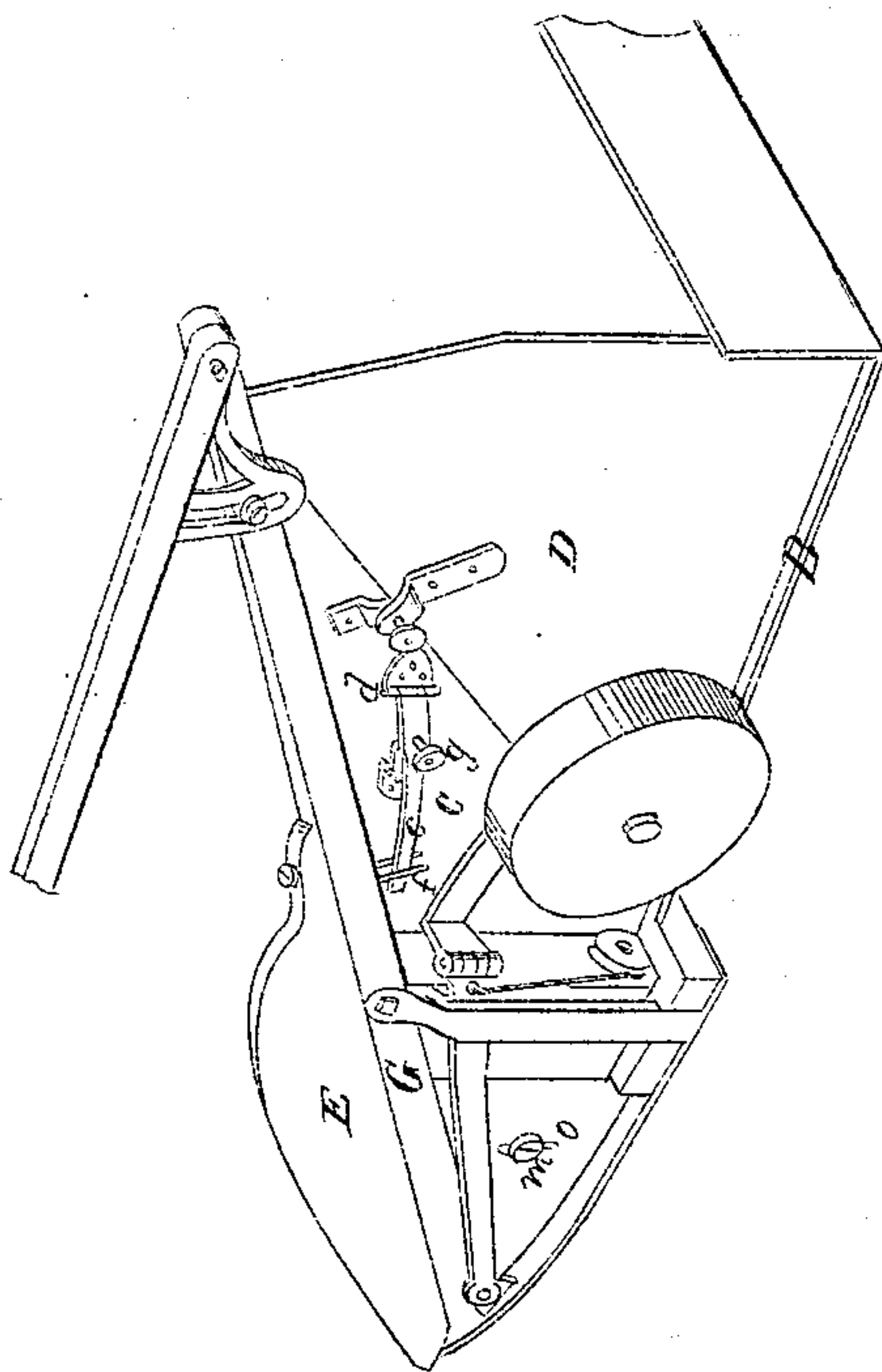


Fig. 3.

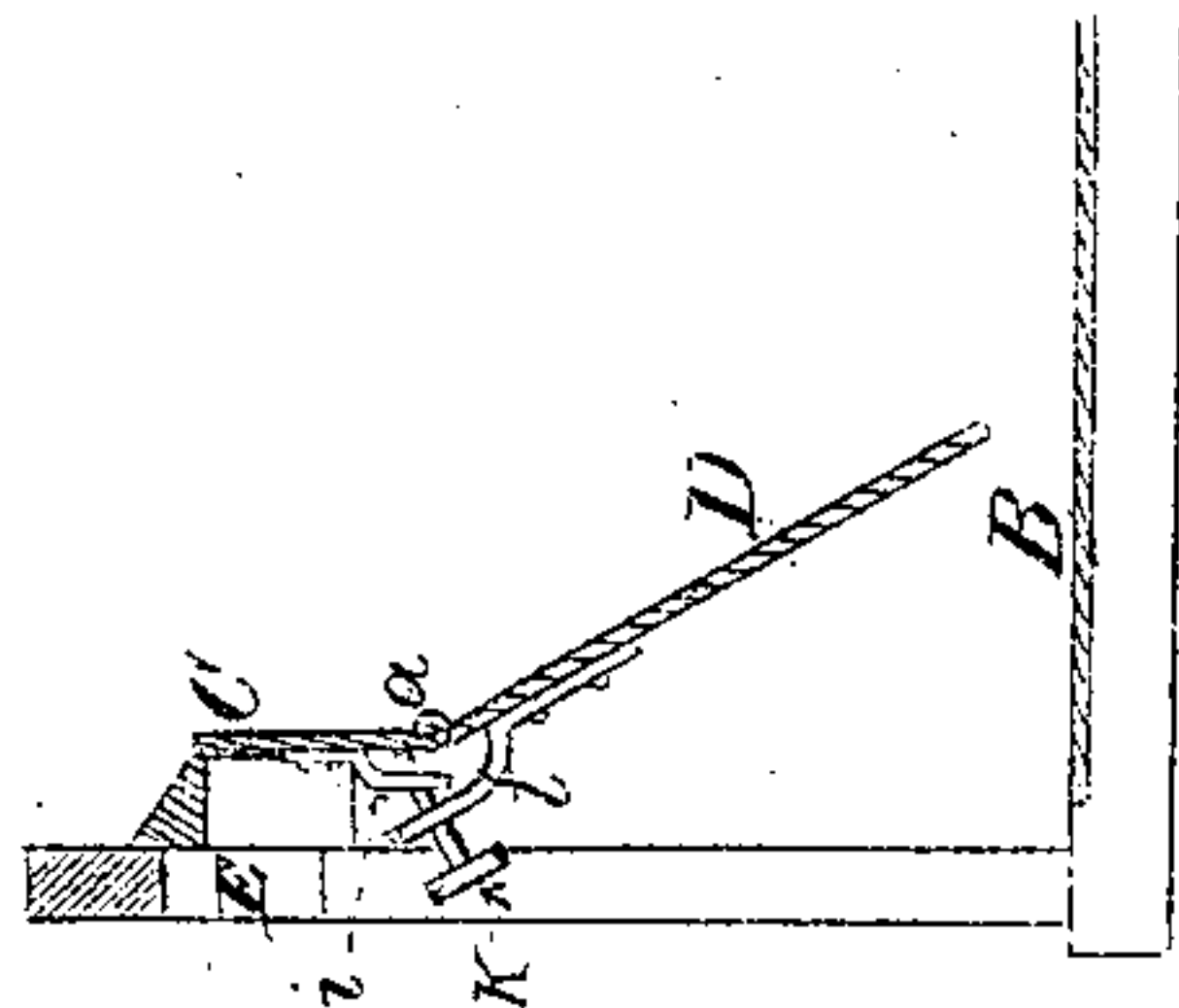


Fig. 4.

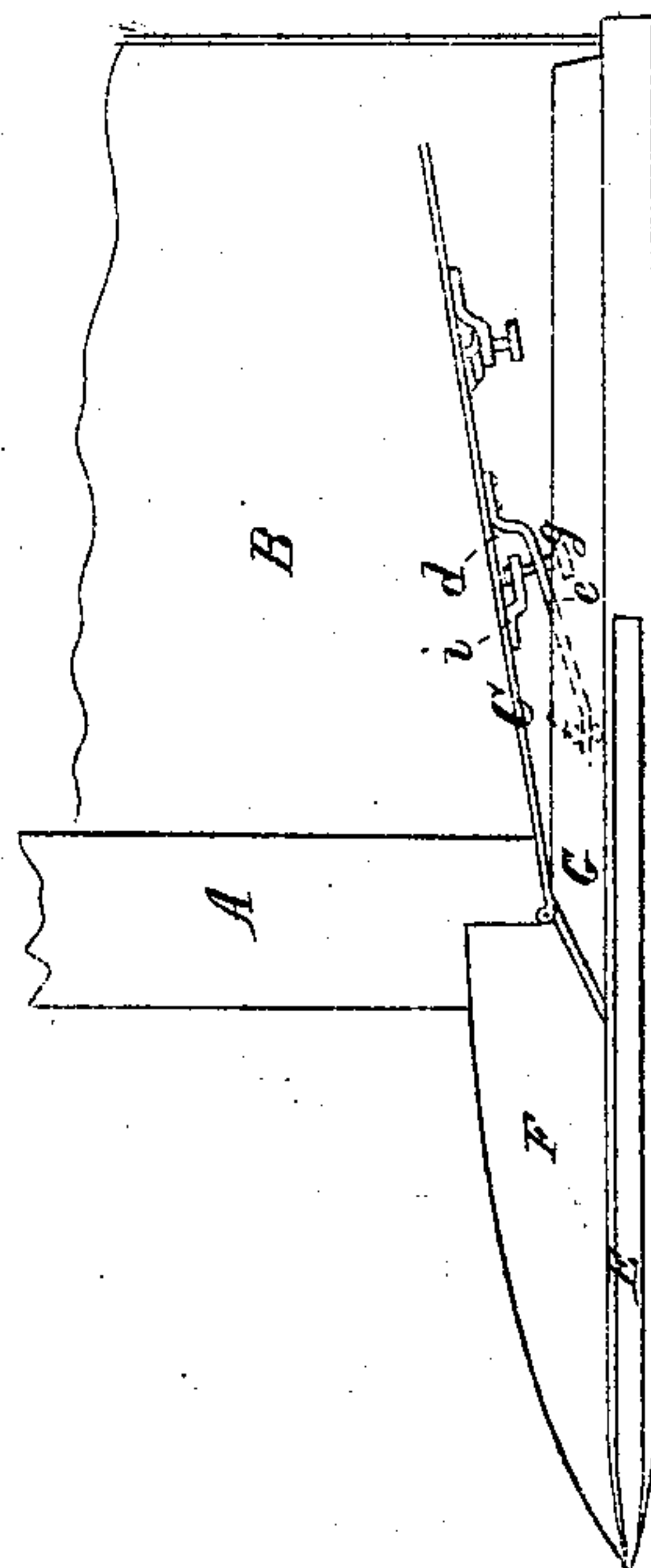
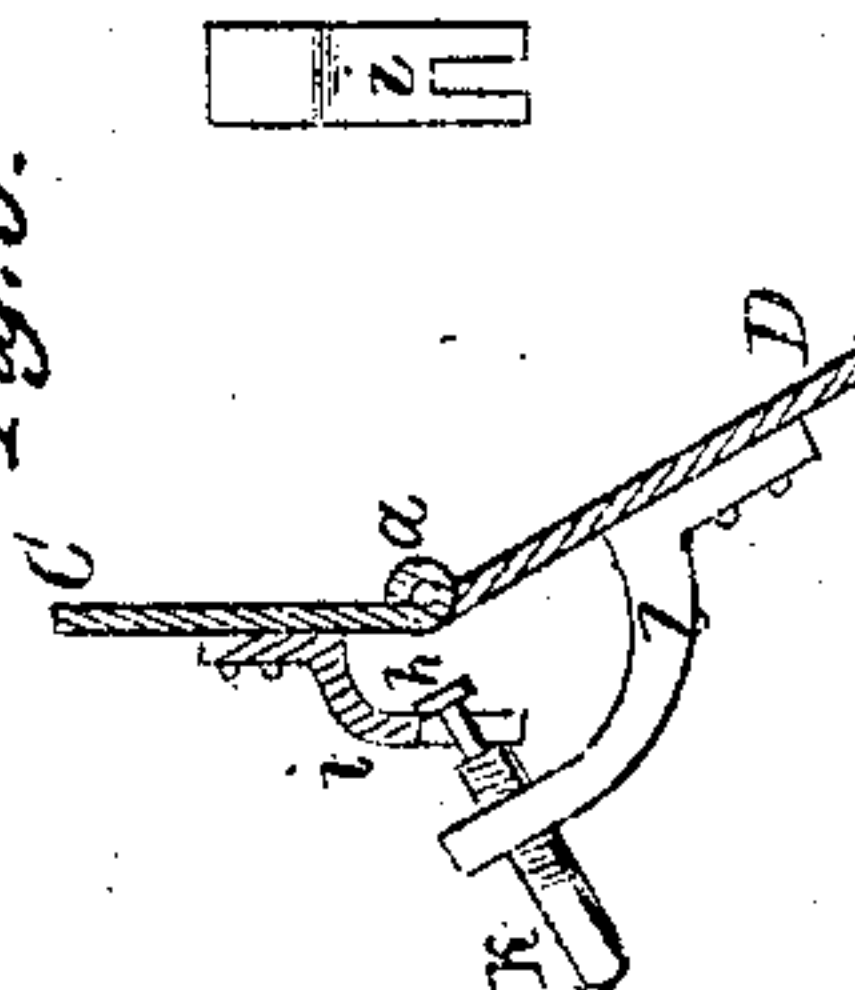


Fig. 5.



UNITED STATES PATENT OFFICE.

JOHN P. MANNY, OF ROCKFORD, ILLINOIS.

IMPROVEMENT IN TRACK-CLEARERS FOR HARVESTERS.

Specification forming part of Letters Patent No. 20,807, dated July 6, 1858.

To all whom it may concern:

Be it known that I, JOHN P. MANNY, of Rockford, in the county of Winnebago and State of Illinois, have invented new and useful Improvements in Adjustable Wing-Boards or Track-Clearers of Reaping and Mowing Machines; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, in which—

Figure 1 represents a perspective view of the divider, track-clearer, and part of the finger-bar and platform of the harvester, as seen from the inner side of the machine. Fig. 2 represents the same parts as Fig. 1, when seen from the outer side of the machine. Fig. 3 represents a vertical cross-section through the same. Fig. 4 represents a top view of the same. Fig. 5 represents a detached view, to be described hereinafter.

The nature of my invention relates to the peculiar construction of the track-clearer of a reaping-machine, by means of which said track-clearer can be adjusted to suit the kind of work to be performed—viz., for reaping, mowing, and again when mowing for different sorts of grass—it being a well-known fact that every different kind or condition of grass requires a different-shaped track-clearer to divide the cut grass from the standing.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A represents the finger-bar of the harvester. B represents the platform of the same.

E represents the divider, and G the frame of the divider. The wing-board is composed of two parts, C and D. These are hinged together at *a*, so that the part D can be turned on said hinge, while the part C is hinged at *b* to the plate H of the frame G. It is therefore evident that the whole wing-board can first be turned on the hinge *b*, while the part D can be separately adjusted by turning it on hinge *a*.

c is a small arm, which is hinged at *d* to the outer face of the part C of the wing-board, and the curved end of which can slide freely between two pins, *f*, on the under side of the rail G. Through this arm passes a set-screw, *g*. This screw is formed near its end with a

neck and offset, *h*, as represented in Fig. 5, which neck reaches between the forked ends of the bracket *i*, which latter is secured to the plate C. By now turning the set-screw *g* the wing-board C, together with board D, can be turned to any desired position and retained in said position by the screw *g*. A similar arrangement is made use of for the purpose of operating the part D independently of part C. A screw, *k*, passes through the bracket *l*, which is secured to plate D, and the neck of said screw passes between the forked end of the bracket *i*, Fig. 5, and by operating the screw *k* the wing D is turned on the hinge *a* and retained to any desired position by the screw *k*.

F represents a horizontal dividing-board, which is secured to the vertical divider E by means of a screw-bolt, *m*, passing through slot *o*, Fig. 2. The end of the reel of the harvester is intended to run just above this horizontal divider, which will then prevent the tangled crops from lodging on the upright divider, which greatly facilitates the operation of raking off the grain. The position of this horizontal dividing-board can be adjusted by means of the vertical slot *o*, and it can thus be set to work to the best advantage.

From the above description it will be seen that the wing-board C D can be adjusted to any desired position with the utmost nicety.

In reaping-machines different wing-boards are required when the grain is raked off by hand or by a self-raking attachment. Again, different track-clearers are required in mowing in different kinds of grass, all which different shapes can be obtained by the adjustments above described of this track-clearer.

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

A wing-board or track-clearer which is hinged to the divider and composed of two or more parts which are hinged together, and which may be adjusted together or independently of each other, substantially in the manner and for the purpose set forth.

JOHN P. MANNY.

Witnesses:

WM. B. JOHNSON,
A. J. HANDY.