

J. STONE.
Gang-Plows.

No. 150,727.

Patented May 12, 1874.

Fig 3.

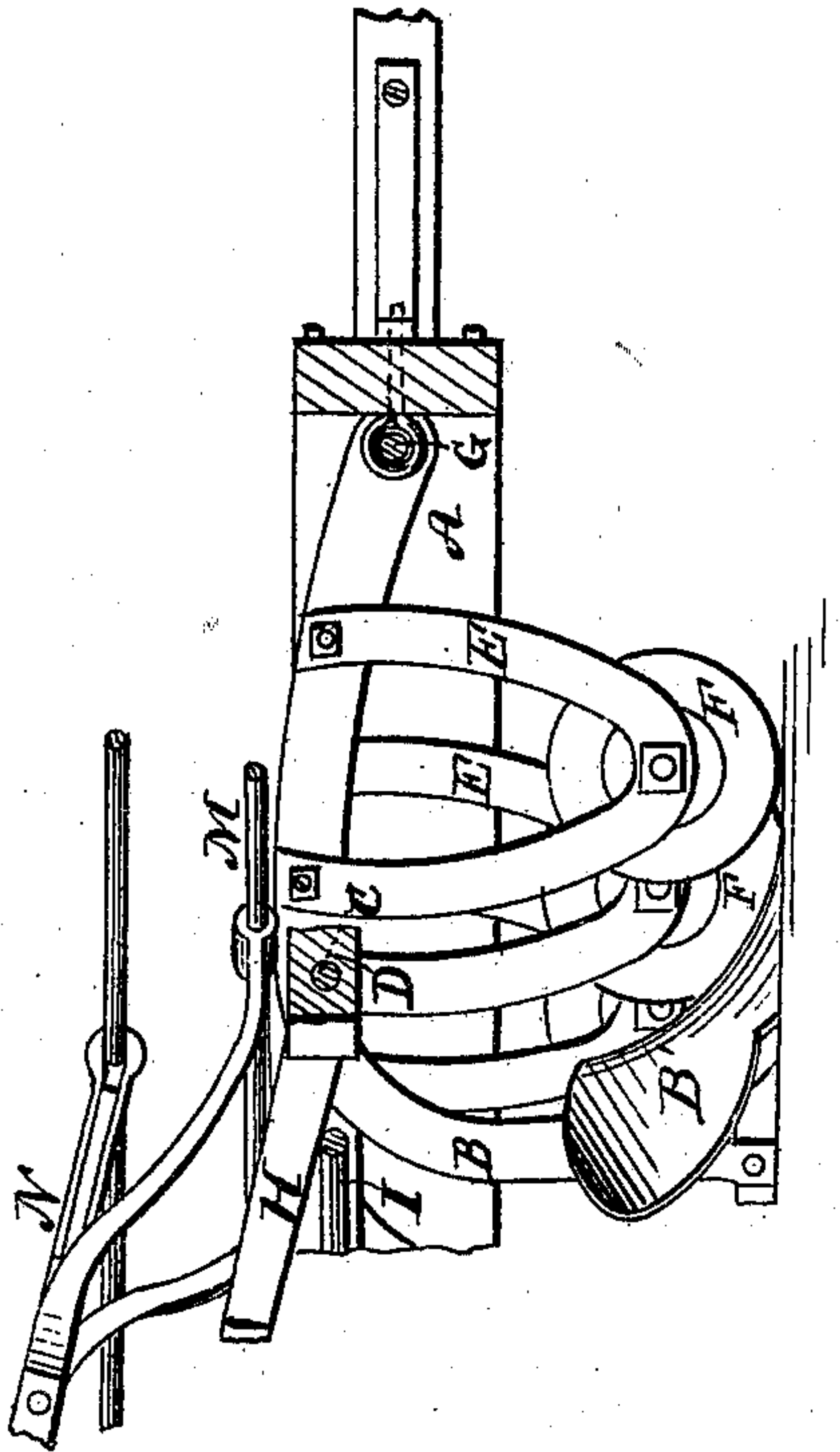
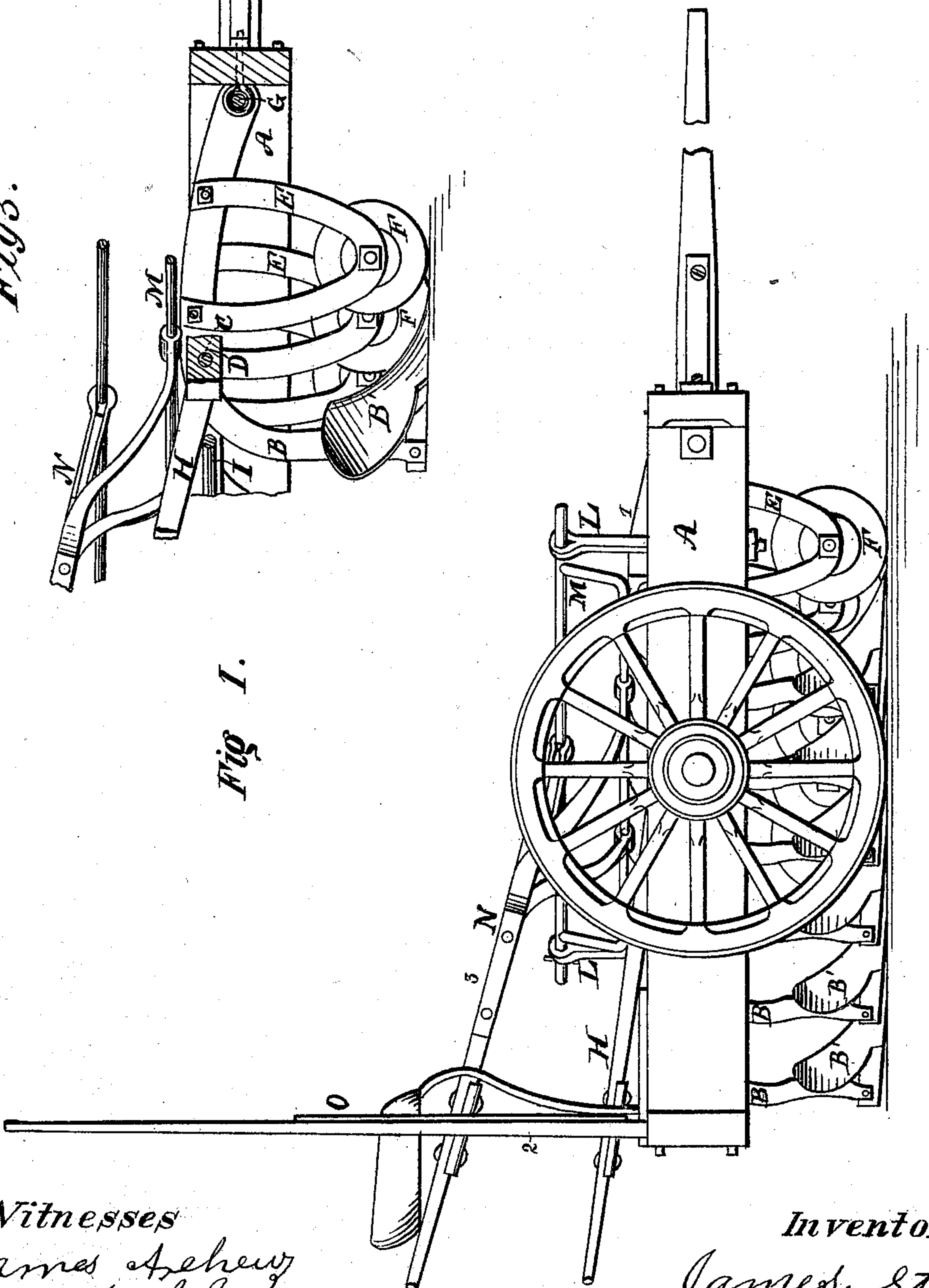


Fig 1.



Witnesses
James A. Chew
C. P. Fushhausen

Inventor
James. Stone

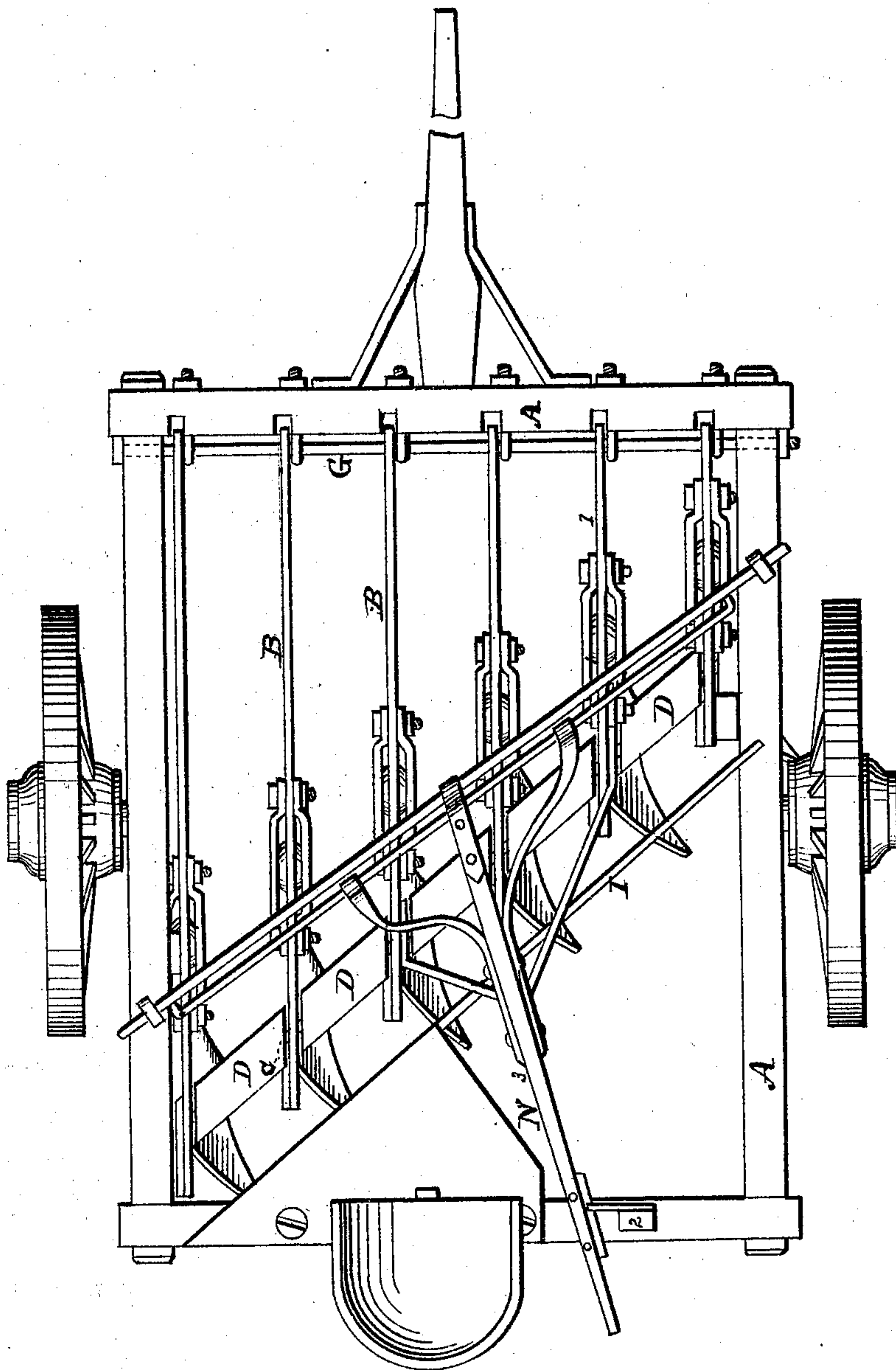
2 Sheets--Sheet 2.

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Fig 2.



Witnesses

James A. Greeng
N. Fishhouse

Inventor.

James Stone

UNITED STATES PATENT OFFICE.

JAMES STONE, OF BOND COUNTY, ILLINOIS.

IMPROVEMENT IN GANG-PLOWS.

Specification forming part of Letters Patent No. **150,727**, dated May 12, 1874; application filed March 21, 1873.

To all whom it may concern:

Be it known that I, JAMES STONE, of the county of Bond and State of Illinois, have invented a new and useful Improvement in Gang-Plows; and I do hereby declare that the following is a clear, full, and exact description of the construction and operation of the same, reference being had to the accompanying drawings and the figures on the drawings annexed hereto, making a part of this specification, in which—

Figure 1 of the drawing is a side view of my improved gang-plow; Fig. 2, a plan or top view, and Fig. 3 a sectional view, of the same.

Similar letters of reference upon the drawing indicate corresponding parts.

My invention consists in the arrangement of a gang of plows upon curved beams of graduated length, which are pivoted in front to a frame, and connected together by a bolt-rod passing through their rear curves, on which are placed sleeves, between the beams, to steady the plows, and regulate their relative distance from each other; also, in the arrangement and combination of the lifting and brake levers, as will be hereinafter more fully set forth, to wit:

The rod G, which passes through the front end of each beam, and the loops which go through the front part of the beam A, prevent the frame from being strained at its corners. The curved plow-beams B, which are split at their lower ends, and which are attached to the bar of the plows B', brace themselves, and answer for both the upright and beam. The double loops E, carrying the revolving cutters F, are held on the same curved beams B by bolts, and are in front of the plow. The lever N, that works on the top part of the plow-frame, with posts or eyebolts L holding the same, works with the branched cross-bar or

brake M, and presses the revolving cutters F and plows B' in the ground. The bolt-rod C, which goes through the back part of the beams, with sleeves D D between them, and which are screwed up with a tap on the left side, is to make its combination solid. The lever H, which is placed on the back part of the curved beams B, and the diagonal bar I, are constructed so as to raise all the revolving cutters F and plows B' out of the ground at the same time. The standard O, which is placed on the back part of the frame, and having the ratchet, is to regulate the revolving cutters F and plows B' when the same are running in the ground. If wanted to run deep, press down on the lever N, and set it in a certain notch on standard O, suitable to hold the revolving cutters F and plows B' to the depth of the ground wanted. When it becomes necessary to turn, let the lever N loose, then bear down on the lever H, which will throw all the revolving cutters F and plows B' out of the ground.

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

1. The plows ranged obliquely upon curved beams B, of graduated length, and connected, at their rear ends, by rod C and sleeves D D, in combination with double loops E, revolving cutters F, frame A, and rod G, substantially as shown and described.

2. The plow-beams and their connections, in combination with the posts L, branched cross-bar M, brake-lever N, and ratchet O, all arranged substantially as shown, and for the purpose set forth.

JAMES STONE.

Signed in presence of—

ROBERT KING DEWEY,
GEO. M. TATHAM.