J. R. BEGGS.

Plow.

No. 38,803. Patented June 9, 1863.

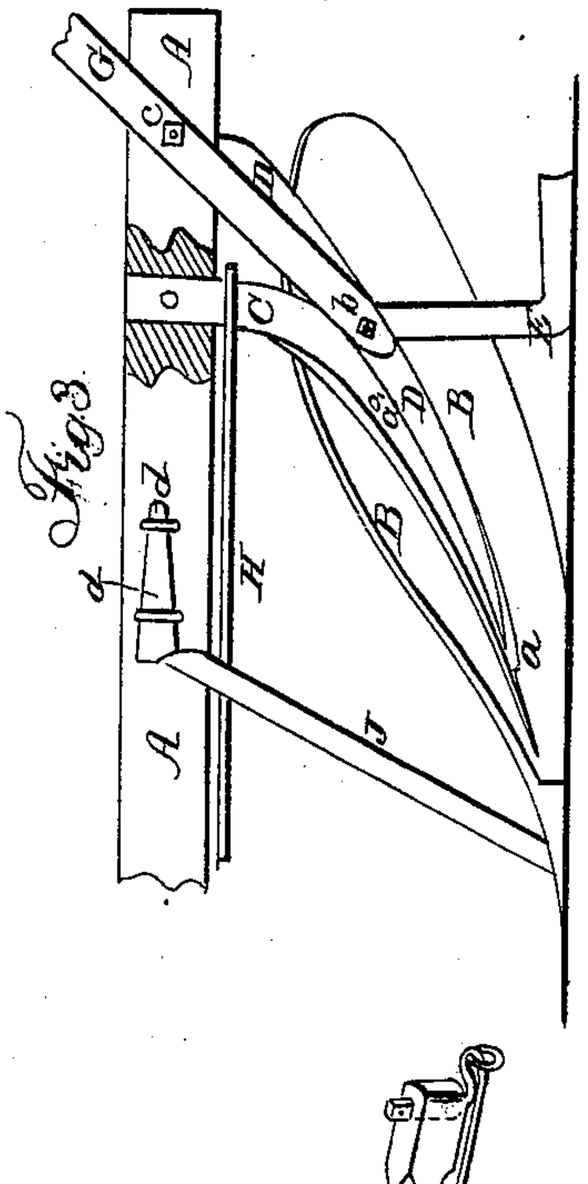

Fig. 3.

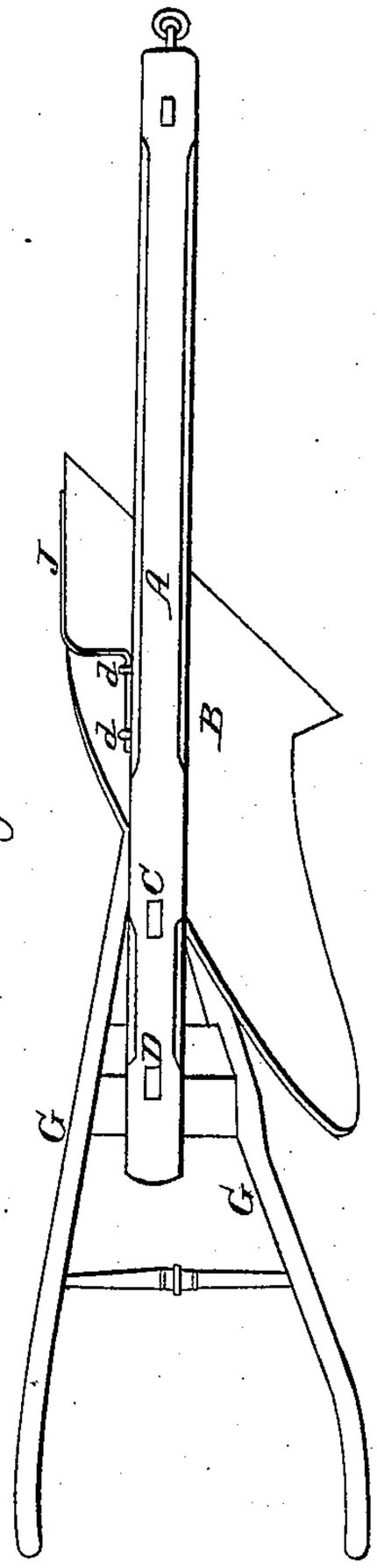

Fig. 4

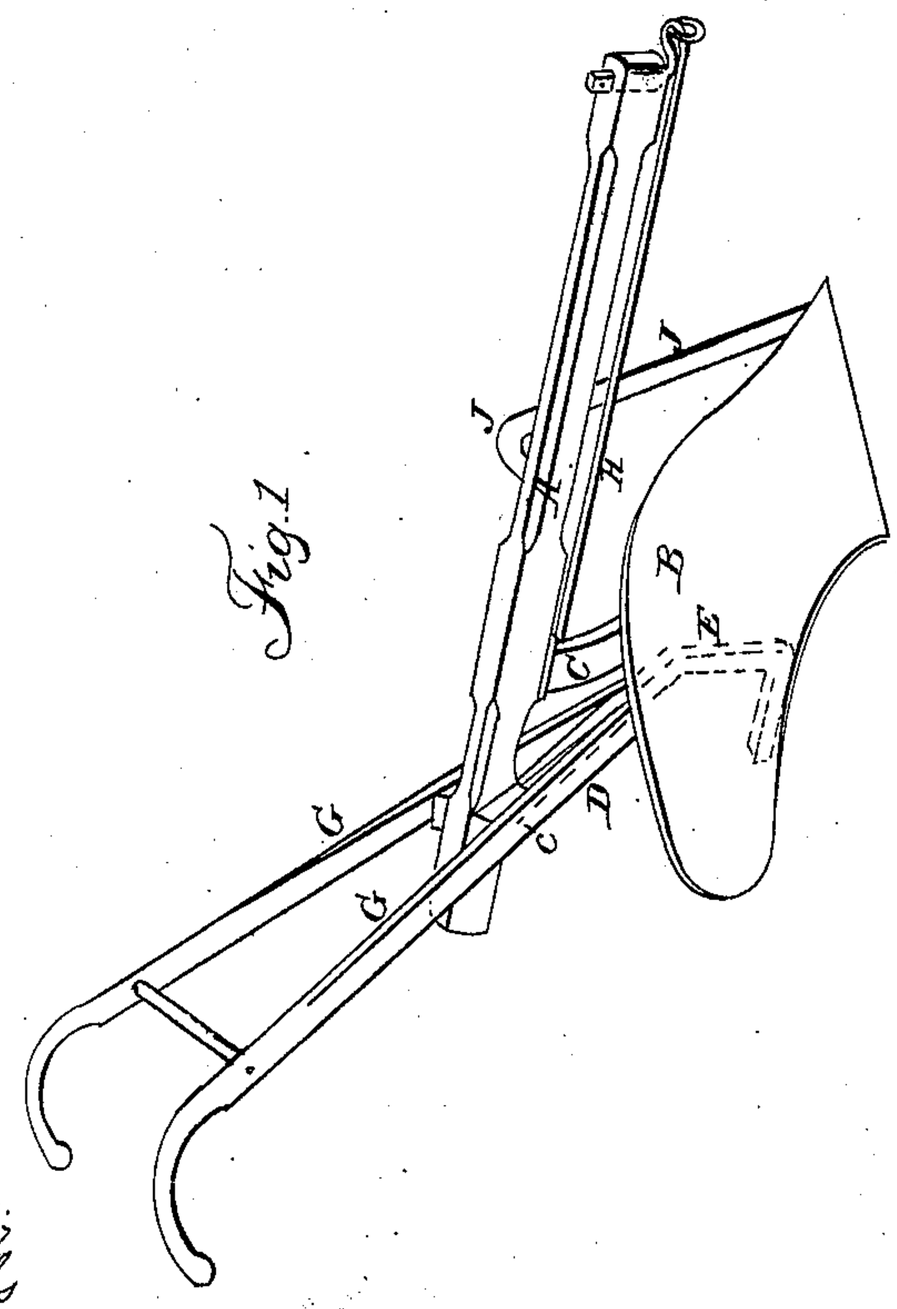

Fig. 1

Witnesses;
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UNITED STATES PATENT OFFICE.

JAMES R. BEGGS, OF NEW ALBANY, INDIANA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **38,803,** dated June 9, 1863; antedated April 18, 1863.

To all whom it may concern:

Be it known that I, JAMES R. BEGGS, of New Albany, in the county of Floyd and State of Indiana, have invented a new and Improved Plow; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a perspective view of my improved plow. Fig. 2 is a top view of the plow, showing clearly the peculiar arrangement of the mold-board. Fig. 3 is a view looking toward the landside of the plow, showing clearly the manner of attaching the mold-board and handles to the plow-beam.

Similar letters of reference indicate corresponding parts in the three figures.

This invention consists in constructing light turn-plows in such manner that the draft will be in a vertical plane with the middle of the mold-board, or so that the mold-board will be divided equally with reference to the line of draft on the beam, the object of which is to lessen the side draft on the mold-board, thus giving greater steadiness to the plow, and to regulate the line of draft, so as to make the plow cut off a regular slice of equal breadth without any great force being applied by the plowman who holds the stilts.

The peculiarity of the invention is to so arrange one mold-board or turn-furrow that the pressure on it in cutting off and in turning over the slice will be equally divided on each side of the plow-beam. At the same time the beam will be at a sufficient height from the top of the mold-board to prevent the slice from coming in contact with it while turning; and, in conjunction with a mold-board thus arranged, it consists in attaching the same to the beam by two peculiarly-curved standards, which proceed down under the middle of the mold-board, and are bolted together and to the mold-board by suitable bolts, hereinafter described, the hind standard serving the twofold object of a brace for the forward standard and a means of securing the handles to the plow; a right-angular projection from the rear brace and standard, the bottom of which serves for a support for the heel of the plow and a fulcrum for regulating the depth the plow is intended to run, to prevent it from going too deep into the ground or rising out of it while the plow is going on, all as will be hereinafter described.

To enable those skilled in the art to fully understand my invention, I will proceed to describe its construction and operation.

In the drawings, A represents the beam, which may be of the ordinary construction, and B is a mold-board of a suitable shape for turning the slice to the greatest advantage.

C is an iron standard, that is secured by suitable bolts to the beam A, passes down and is curved under the mold-board, as clearly represented in Fig. 3, and secured to it by two bolts, *a a'*.

D is a standard-brace that proceeds down from the beam behind the standard and under the mold-board, and is secured by the bolt *a*.

E is an angular heel-piece and a projection of the standard-brace D, that runs in the middle of the furrow and serves an important object as a support for the rear part of the plow. The share of the mold-board and the horizontal portion of the heel-piece E form the sole of the plow, and it will be seen that the friction on the bottom of the furrow or subsoil is very slight.

The handles G G are each bolted together by a bolt, *b*, which passes through the brace D at their lower ends, and secured to the beam at the required distance apart by tapering blocks and a bolt, *c*, that passes through the brace D and beam A.

J is a colter, that is secured to the beam A with two staples, *d d*, and which is curved out from the beam and carried down in a line with the landside of the plow.

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

The combination of the beam A, mold-board B, standard C, brace D, and heel-piece E, all arranged as and for the purpose herein set forth.

JAS. R. BEGGS.

Witnesses:

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