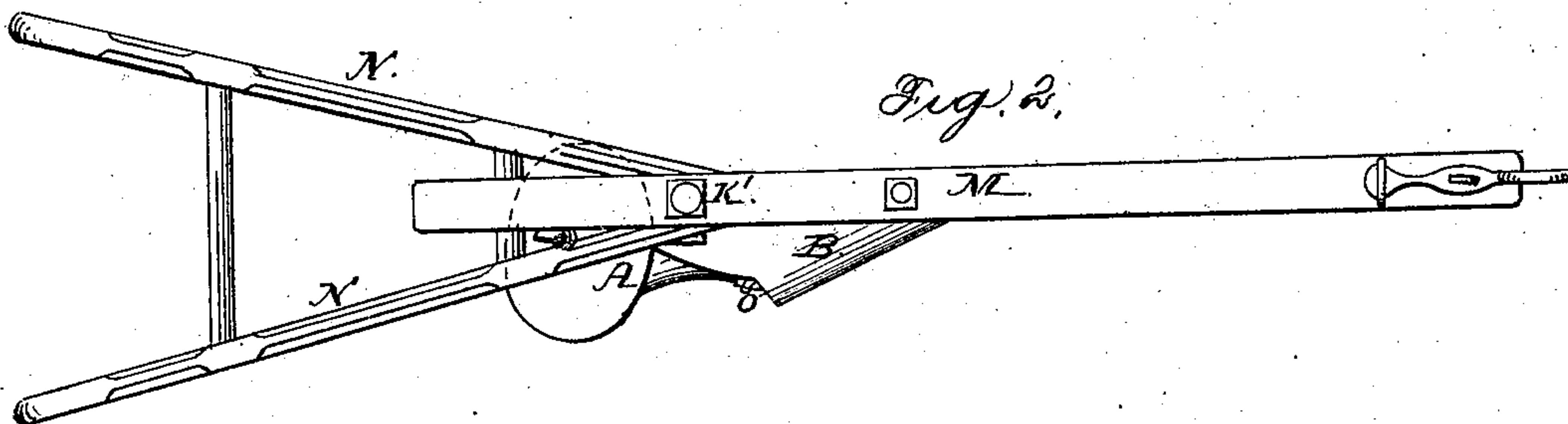
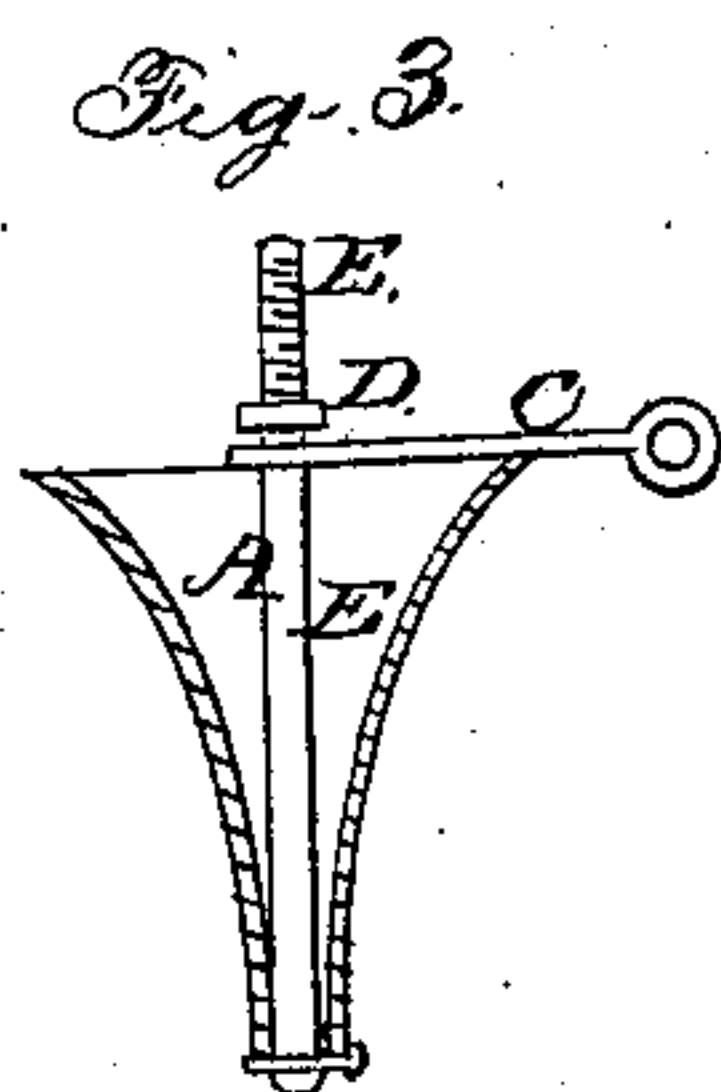
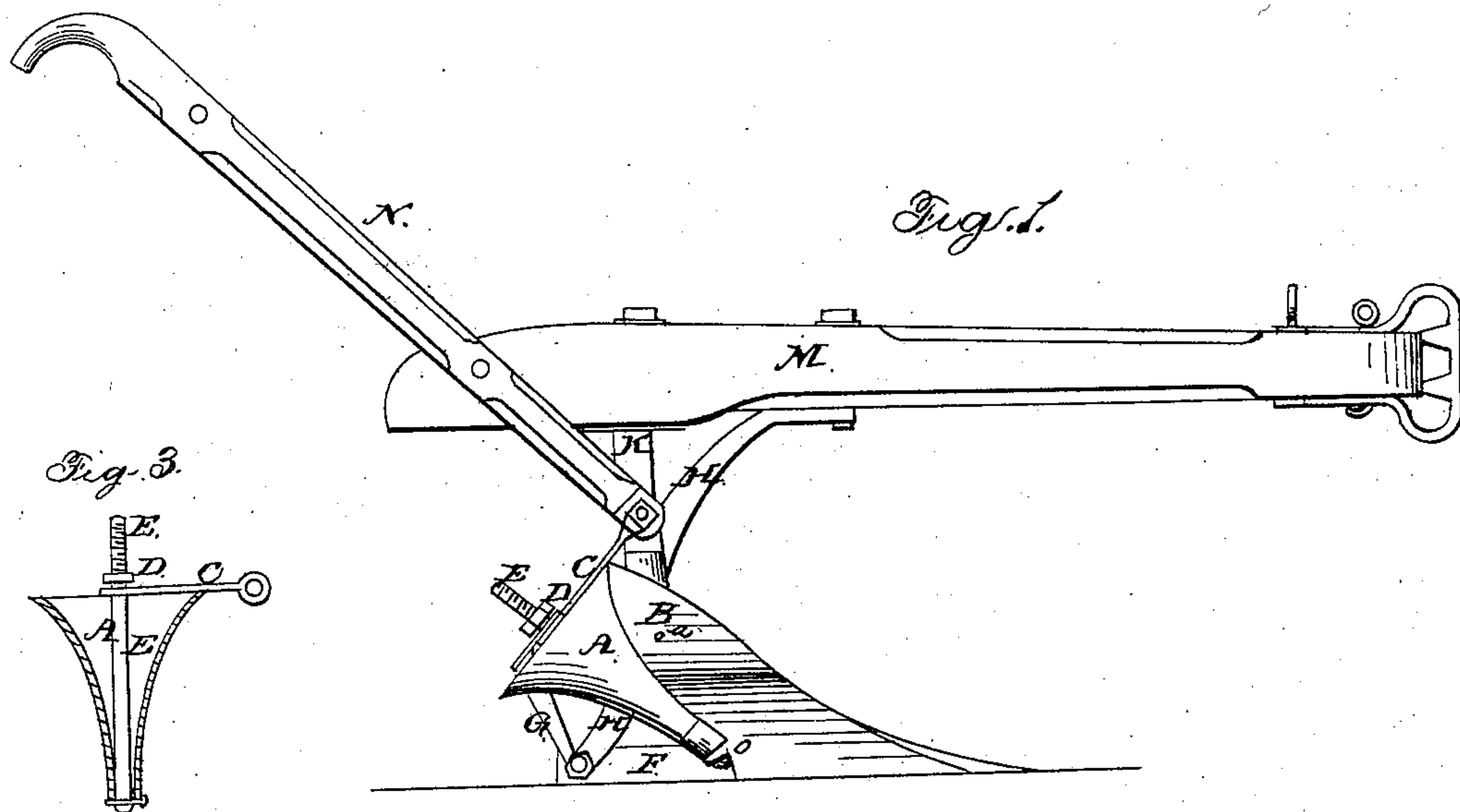


L. E. BURDIN.
Revolving Moldboard.

No. 24,536.

Patented June 28, 1859.



WITNESSES:
E. W. Jones
C. Tauberschnitt

INVENTOR;
L. E. Burdin.

UNITED STATES PATENT OFFICE.

L. E. BURDIN, OF PARIS, KENTUCKY.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **24,536**, dated June 28, 1859.

To all whom it may concern:

Be it known that I, L. E. BURDIN, of Paris, in the county of Bourbon and State of Kentucky, have invented a new and useful Plow for Cultivating the Soil; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings and the letters of reference marked thereon.

Figure 1 shows a side view of the plow; Fig. 2, a top view; and Fig. 3, a view of the revolving cone A, brace C, and spindle or shaft E detached from the plow.

The nature of my invention consists in the arrangement of devices hereinafter described.

To enable others skilled in the art to make and use my improved plow, I will proceed to describe the same as follows:

M is a wooden beam of ordinary constructions; N, the handles, which pass down and are bolted to the standard K below the beam, as shown at *c*, Fig. 1. The standard K is made of iron and is secured to the landside by a bolt and screw. It is also secured by bolt *a*, which passes through the mold-board and a lug projecting from the standard and fastened by a screw and nut.

H is an iron brace secured to the beam by the bolt *d*, to the heel of the landside F by bolt *b*, and to the standard by a bolt where the brace and standard cross each other diagonally; B, the share; A, a hollow cone, the apex of which is placed in line with the lower part of the share, and the base or enlarged end in line with the upper part and thus forms the mold-board. Through the center of the cone passes a shaft or spindle, E, on which the cone revolves.

The shaft E passes through lug *o*, which projects from the lower hind part of the share, through the cone and the slots in the ends of the braces C and G, where it is securely fastened by a screw and nut. The braces C and G are flat bars of iron. C is fastened at the upper end by the bolt *c* and passes down to the shaft E. The brace G is fastened at the lower end to the landside by the bolt *b* and passes up so as to fairly clear the base of the cone, where it is bent at right angles and extended till it meets and overlaps brace C. The slots in the ends of these two braces, when united, form the upper bearing of the shaft E. The share and landside are made of steel in one piece.

In practice the cone A is caused to revolve freely on the shaft or spindle E by the action of the soil upon the same, which lessens the draft very materially, and in all respects the plow I have described is much more effectual in its operation than those in common use, can be manufactured at small cost, and is not liable to get out of repair.

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

The arrangement of the beam M, the handles N, the standard K, brace H, share B, landside F, cone A, spindle or shaft E, braces C and G, and lug *o*, as described, for the purposes set forth.

L. E. BURDIN.

Attest:

EDWARD W. JONES,
C. TANBERSHMITT.