

F. TRAXLER.

Plow.

No. { 1,090, }
 { 32,094. }

Patented Apr. 16, 1861.

Fig. 1.

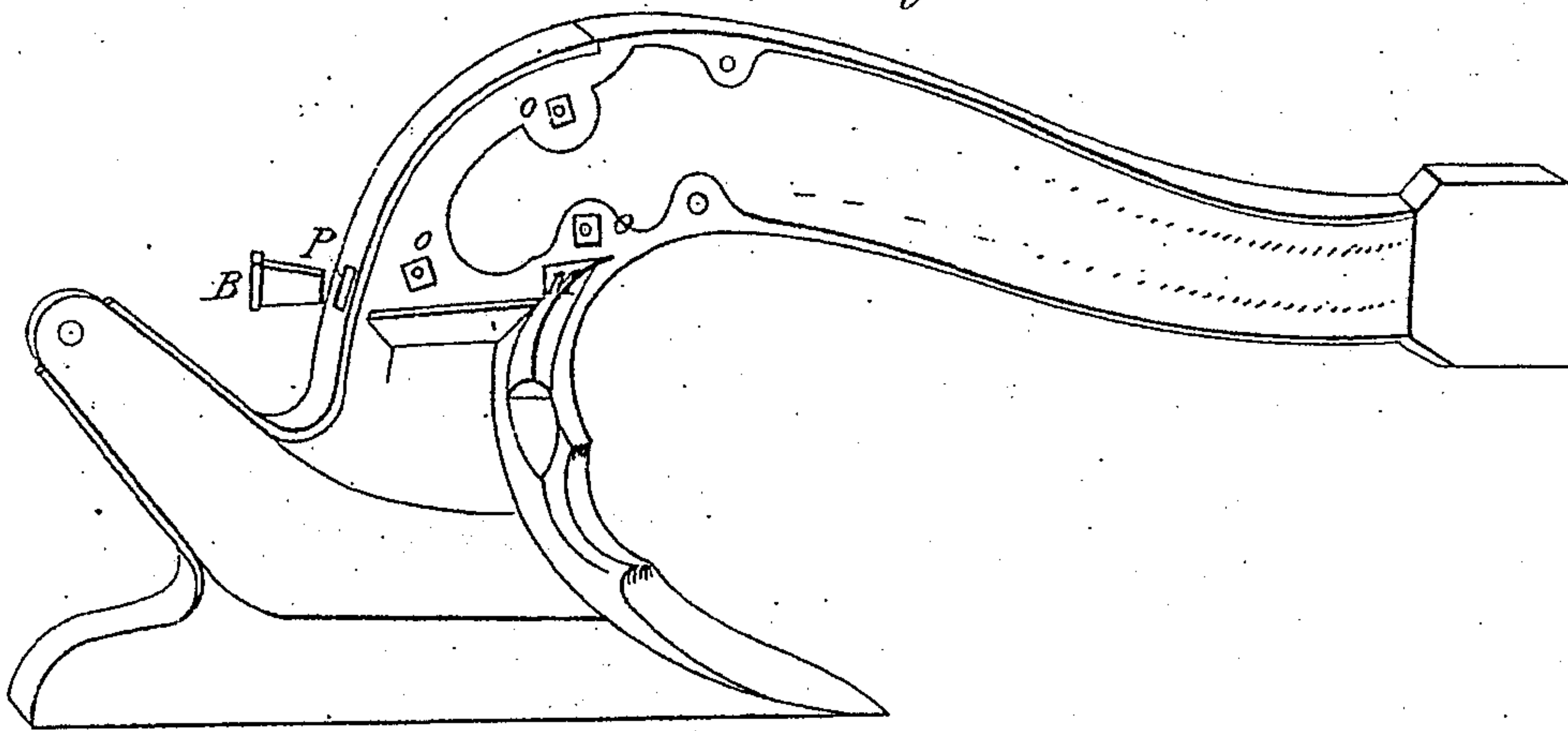
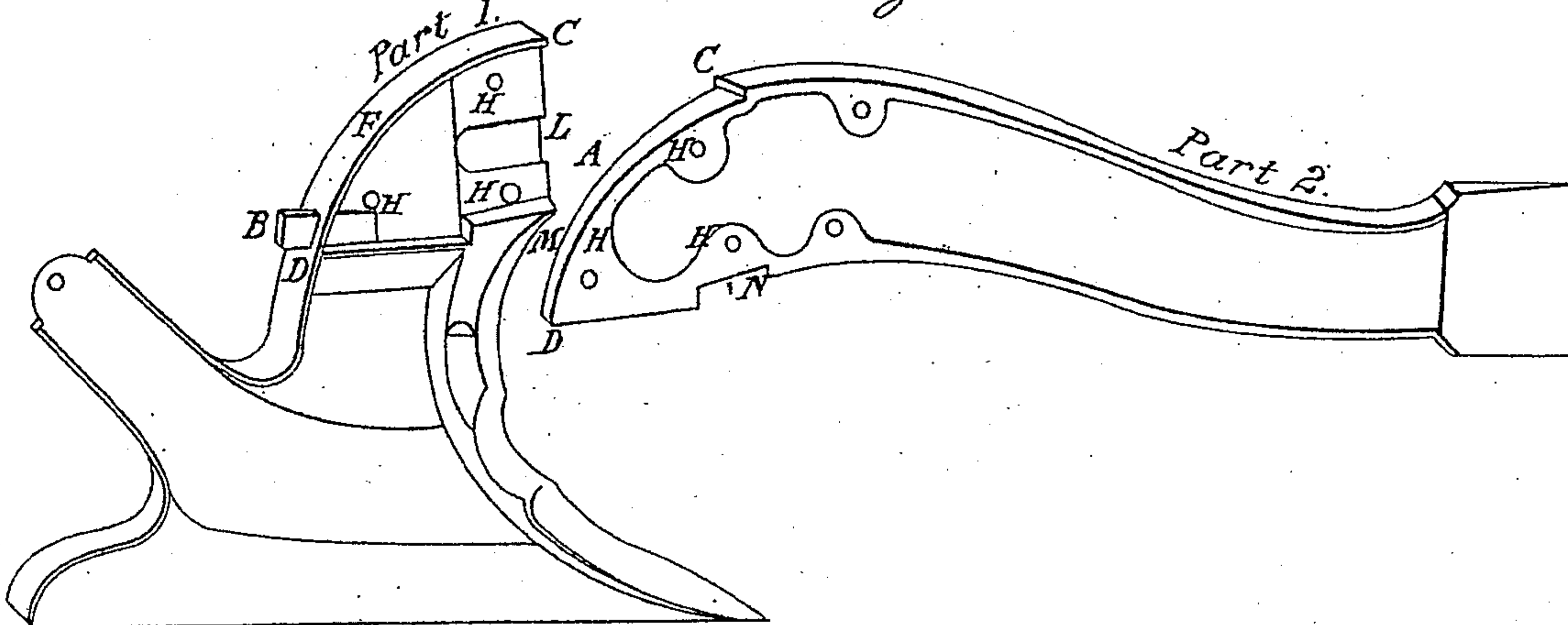


Fig. 3.



Fig. 2.



Witnesses:

Daniel Watson
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UNITED STATES PATENT OFFICE.

FRANKLIN TRAXLER, OF SALEM, MICHIGAN.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 32,094, dated April 16, 1861.

To all whom it may concern:

Be it known that I, FRANKLIN TRAXLER, of Salem, in Washtenaw county, and State of Michigan, have invented a new and useful Improvement upon Cast-Iron Plow-Beams; and I do declare the following to be a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of invention and improvement consists in the arrangement of devices, as hereinafter described.

Reference being had to the accompanying drawings, like letters referring to like parts, Figure 1 is the beam, with parts fitted together and secured by bolts. Fig. 2 is the beam, separated into two parts, marked "Part 1" and "Part 2." Fig. 3 is part 2 inverted to show the face and knuckle on the landside of the same.

My improved plow-beam is of cast-iron, and consists of two parts, (marked "Part 1" and "Part 2" in Fig. 2,) so arranged as to be connected in lap-joint A by carrying back part 2 upon part 1, so as to bring together the points C C and D D, by which means the inner face of the rear end of part 2 is brought against the flange-bound face F in part 1, the bolt-holes H H H in one part matching corresponding holes in the other parts. The inner face of part 2 is shown at G in Fig. 3, which is part inverted, as above described. The two faces being thus put together, the knuckle K in Fig. 3, projecting from the face G, fits into the socket L, part 1, Fig. 2. The projection M of part 1 fits into the recess N of part 2. The shoulder

O of part 2 is brought against O in part 1, and the curved end C D of part 2 fits against and within the corresponding flange C D of part 1. The parts being thus put together are secured by bolts passing through holes H H H, parts 1 and 2, Fig. 2. The bolts are shown at O O O, Fig. 1. Before the bolts are fully screwed up a wedge-shaped key, B, Fig. 1, is inserted into the mortise P, by means of which the faces G and F may be more or less separated at the back part of the joint, and the angle or position of the beam, part 2, adjusted and the draft regulated accordingly.

A slight adjustment of the key B making considerable change in the draft without cross-strain of the beam, several horses may be worked abreast with advantage and safety, and by the arrangement of knuckle projections, and flange a firm and secure joint is obtained without strain upon the bolts.

I do not claim a disjointed beam as such, nor the lap and knuckle joint; but

What I do claim, and desire to secure by Letters Patent, is—

The wedge B, knuckle, K, fitting into the socket L, flange C D, projection M, fitting into recess N, the parts 1 and 2, having corresponding faces and bolt-holes, the whole being made, arranged, and devised substantially in the manner and for the purposes set forth and described.

FRANKLIN TRAXLER.

In presence of—

DAVID COON,
G. H. CORNELL.