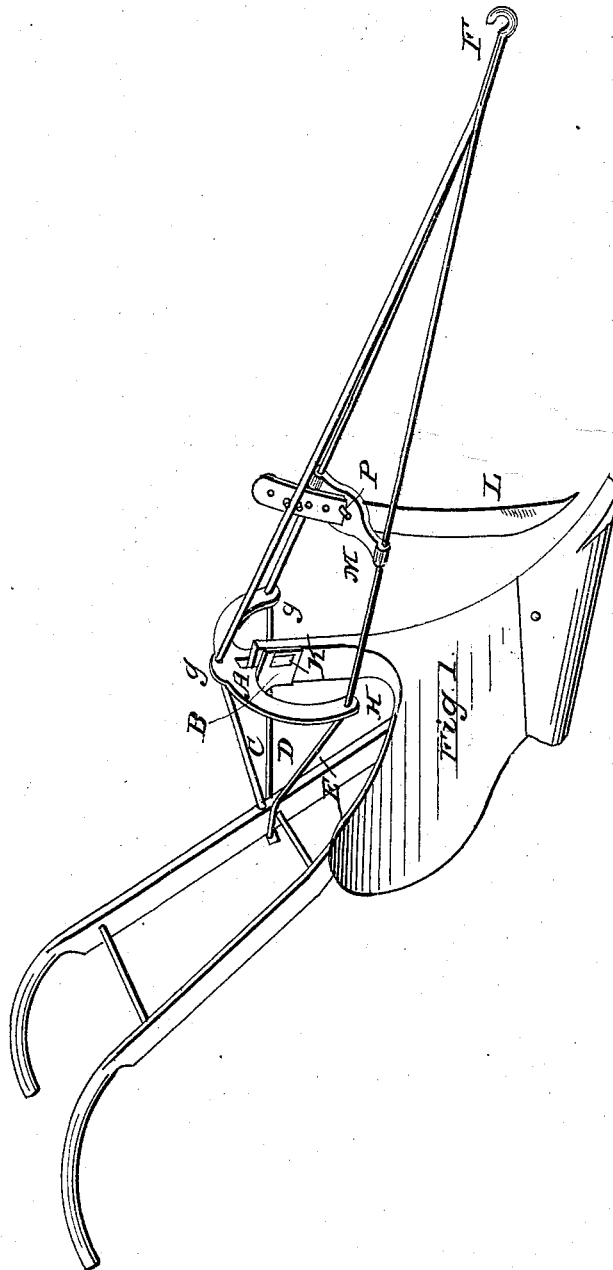


J. HOUGHTON.

Plow.

No. 2,691.

Patented June 22, 1842.



UNITED STATES PATENT OFFICE.

JOEL HOUGHTON, OF OGDEN, NEW YORK.

IMPROVEMENT IN PLOW-BEAMS.

Specification forming part of Letters Patent No. 2,691, dated June 22, 1842.

To all whom it may concern:

Be it known that I, JOEL HOUGHTON, of Ogden, in the county of Monroe and State of New York, have invented a new and useful Improvement in the Construction of a Plow-Beam, which is described as follows, reference being had to the annexed drawings of the same, making part of this specification.

Figure 1 is a perspective view of the plow.

As this plow resembles generally the common plow, it will not be necessary to describe minutely the parts which are not new, but only those which are intended to be claimed as original.

A represents a circular brace, which is attached to the top of the standard of any common plow-casting or running part of a plow, in such form as to divide the beam into several parts where those several parts pass the standard, it being perforated with holes through which those several parts of the beam pass, and are thereby kept asunder.

B is a socket or box, extending down from the under or concave side of the circular brace A, (and making a part of same,) with a key-hole through it to attach it to the standard.

C, D, and E represent the beam divided into several parts as it passes the circular brace A, which are strongly fastened together at both ends, thus uniting their strength for a forward draft, and thrown apart centrally to prevent the beam from bending.

F is one of the several parts extending out forward and turned up at the end, forming a hook to answer the purpose of a clevis.

H, I, and J are the holes through the circu-

lar brace A, through which the several parts pass and are strongly fastened to the same.

K is the key to the socket or box, by which the circular brace A is attached to the standard of the plow.

L is a cutter passing through the upper one of the several parts of the beam, being perforated with holes equidistant from each other, passing down through brace M, nearly to the point of the plow.

M is a bar or brace, passing crosswise nearly over the plow-point, through which the cutter L passes, being strongly attached to the outer parts of the beam.

P Q are keys or staples made to fit the holes through cutter L, sitting astride brace M, and the upper piece of the several parts of the beam, which serve to raise, lower, and fasten the cutter L at pleasure, and at the same time to unite the strength of the whole together.

What I claim as my invention, and which I desire to secure by Letters Patent, is—

Constructing the beam of a plow in parts, or, in other words, to throw it apart or into parts centrally, so as to increase the strength of a plow-beam without increasing the weight in proportion, the manner of attaching the cutter to it, and the mode of fastening the beam and standard together, thus doing away the clogging of the plow and the perishableness of the beam.

JOEL HOUGHTON.

Witnesses:

REUBEN B. HOUGHTON,
N. ANDERSON.