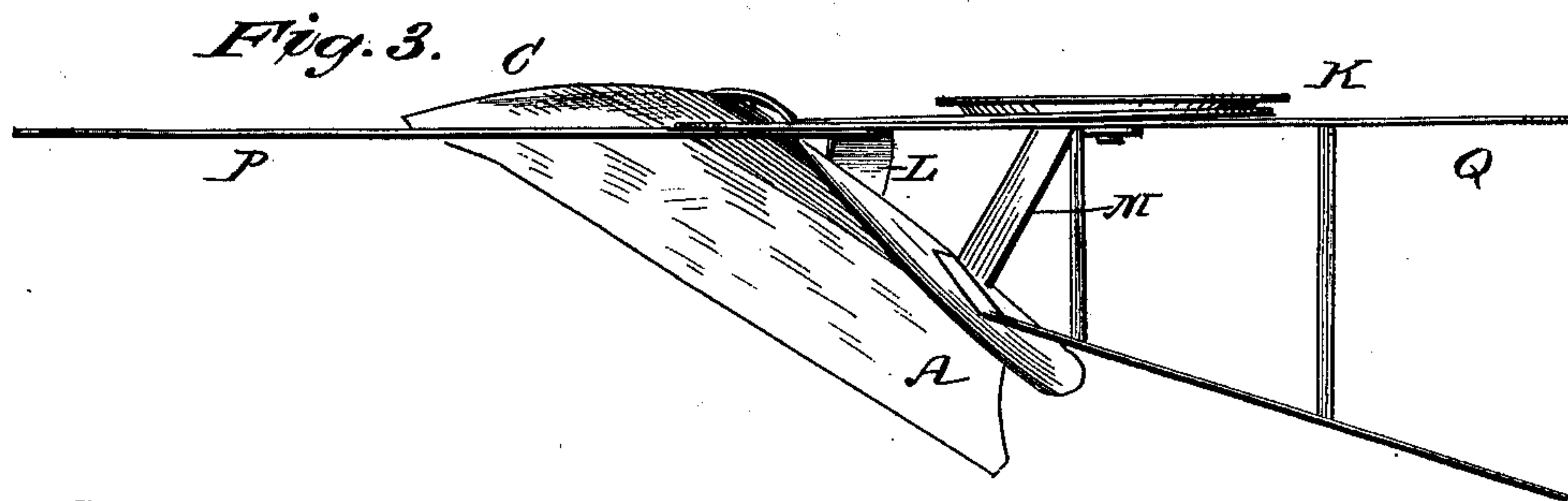
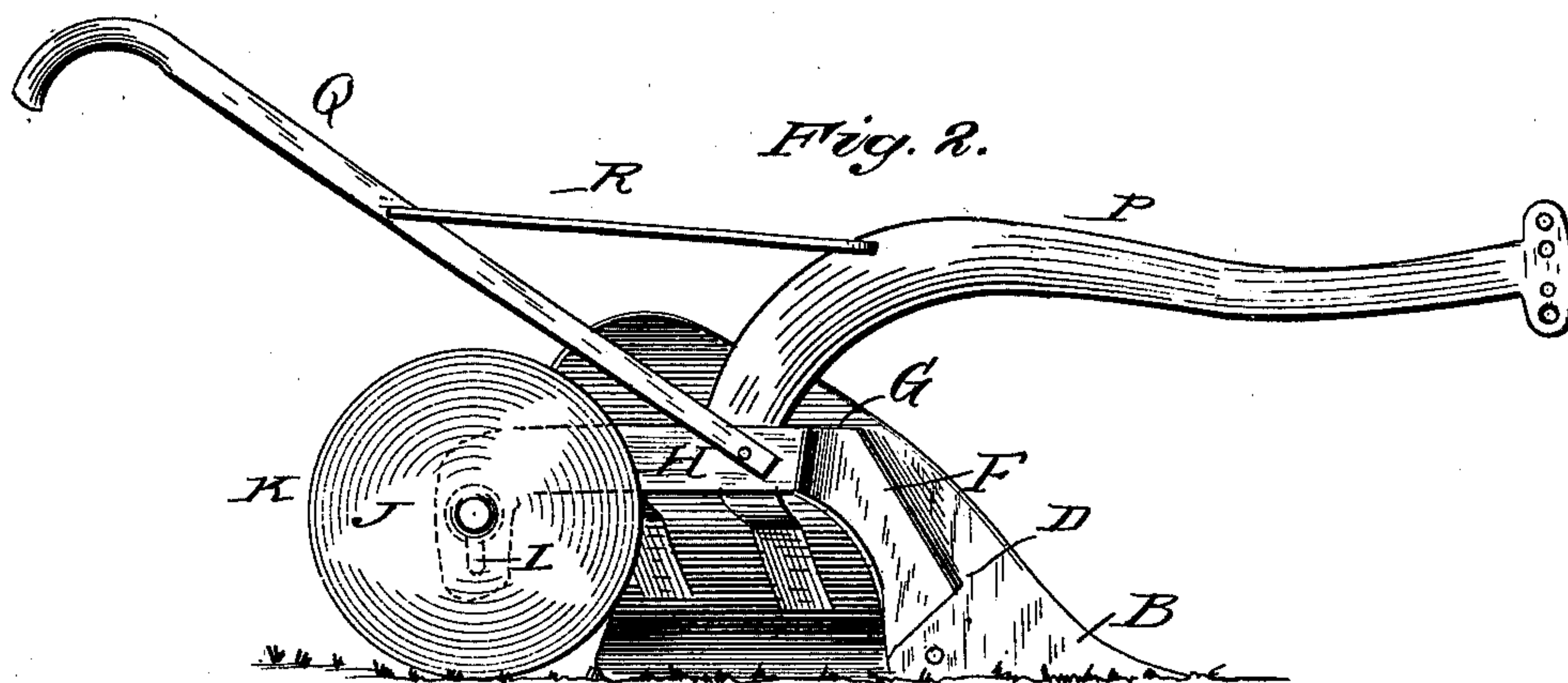
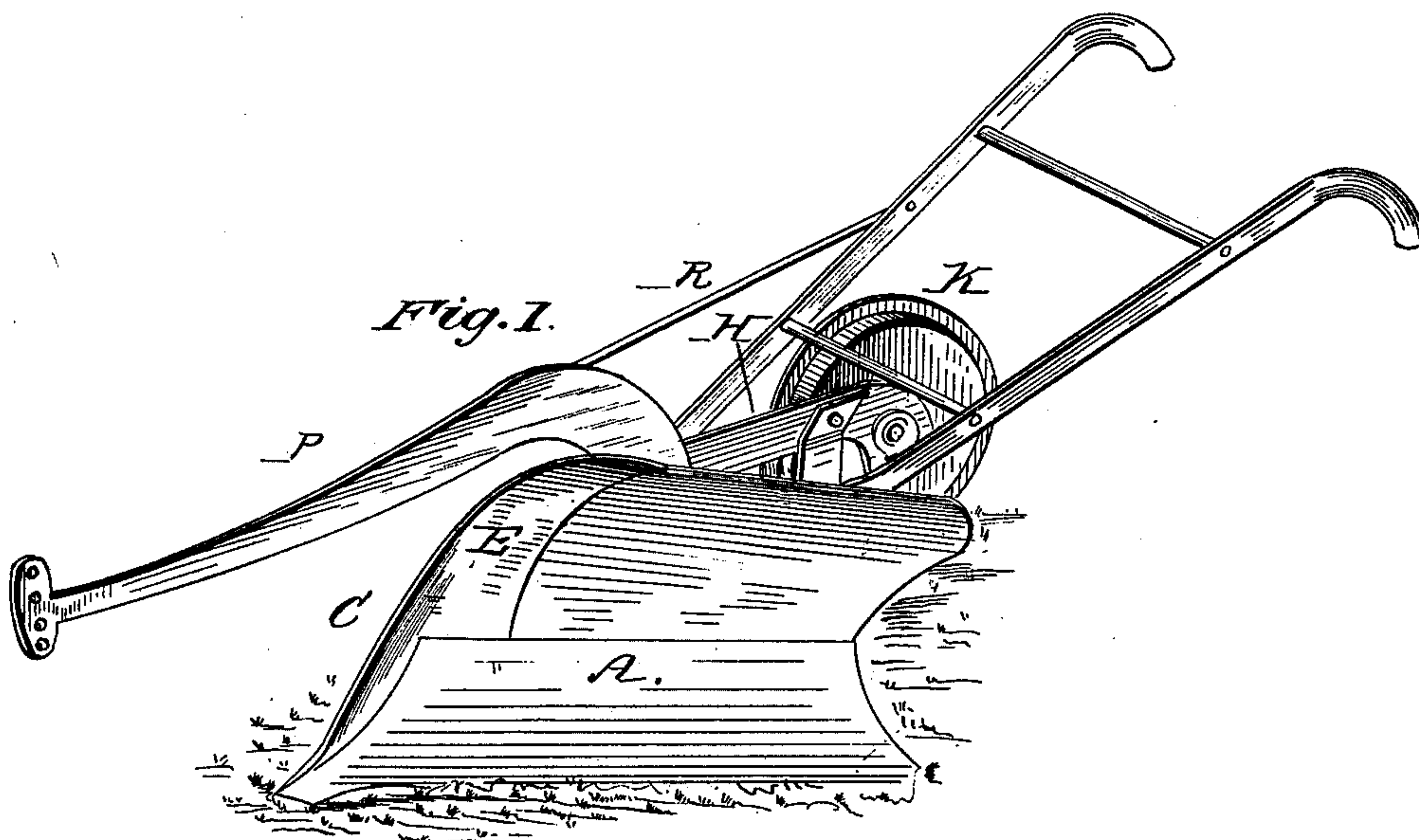


J. S. GUM.
Plow.

No. 231,308.

Patented Aug. 17, 1880.



Witnesses:
Fred. G. Dietrich
J. R. Littell,

Inventor,
Joseph S. Gum,
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Attorneys

UNITED STATES PATENT OFFICE.

JOSEPH S. GUM, OF FOWLER, INDIANA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 231,308, dated August 17, 1880.

Application filed August 19, 1879.

To all whom it may concern:

Be it known that I, JOSEPH S. GUM, of Fowler, in the county of Benton and State of Indiana, have invented certain new and useful Improvements in Plows; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a view, in perspective, of a plow embodying the improvements in my invention. Fig. 2 is an elevation taken from the landside of the plow, and Fig. 3 is a top view of the plow.

The invention relates to plows; and it consists in certain improvements in the construction of the same, hereinafter fully described, and particularly pointed out in the claims.

The principal objects of my invention are to increase the width of the cut and at the same time lessen the draft. To these ends I make the share or cutting-edge A of the mold-board quite long and of the shape shown in Fig. 1.

B designates the landside, the front edge of which projects in front of the mold-board and forms the share or colter C. Below the upper edge of the portion A of the mold-board the landside is provided with a notch, D, which permits its upper portion, E, to be curved, as shown, to form a continuation of the upper portion of the mold-board, thereby assisting in turning the soil, and at the same time reducing the frictional resistance.

F is a plate or bar which forms a rearward continuation of the landside. The lower forward end of said plate is riveted or otherwise secured to the inside of the landside proper. It then projects upwardly through the notch D, above which it is curved inward, at G, toward the mold-board, thus throwing its body off from the cut, by which construction the friction that would otherwise ensue will be avoided.

The body H of the plate F, which extends rearwardly, is provided at its rear end with a vertical slot, I, in which a bolt or shaft, J, carrying the furrow-wheel K, is adjustably secured. The furrow-wheel K consists of a disk having a beveled tread and a cutting-flange, and as it travels near the center of the furrow, it supports the plow without increasing the friction to any appreciable extent.

The plate F is bolted to the beam P, the lower end of which is curved inward and downward, and secured to the inner face of the mold-board to form the brace L. A brace, M, extends from near the rear end of the plate F to the inner face of the mold-board, as shown.

The handles Q are secured at one side to the plate F at its junction with the beam P, and at the other side to the inner face of the mold-board. A brace, R, extends from the landside-handle to the beam P, to give additional strength.

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

1. In a plow constructed substantially as described, the landside B, having colter C and notch D, its upper portion, E, being curved to form an upward continuation of the mold-board, as set forth.

2. The combination of the mold-board having the extended cutting portion A, landside B, having notch D, plate F, forming a continuation of the landside, and curved at G toward the mold-board, and the adjustable furrow-wheel K, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOSEPH SHOUP GUM.

Witnesses:

U. Z. HILEY,

C. W. VAN AUKEER.