

(No Model.)

J. H. PUTMAN.

PLOW.

No. 335,537.

Patented Feb. 2, 1886.

Fig. 1

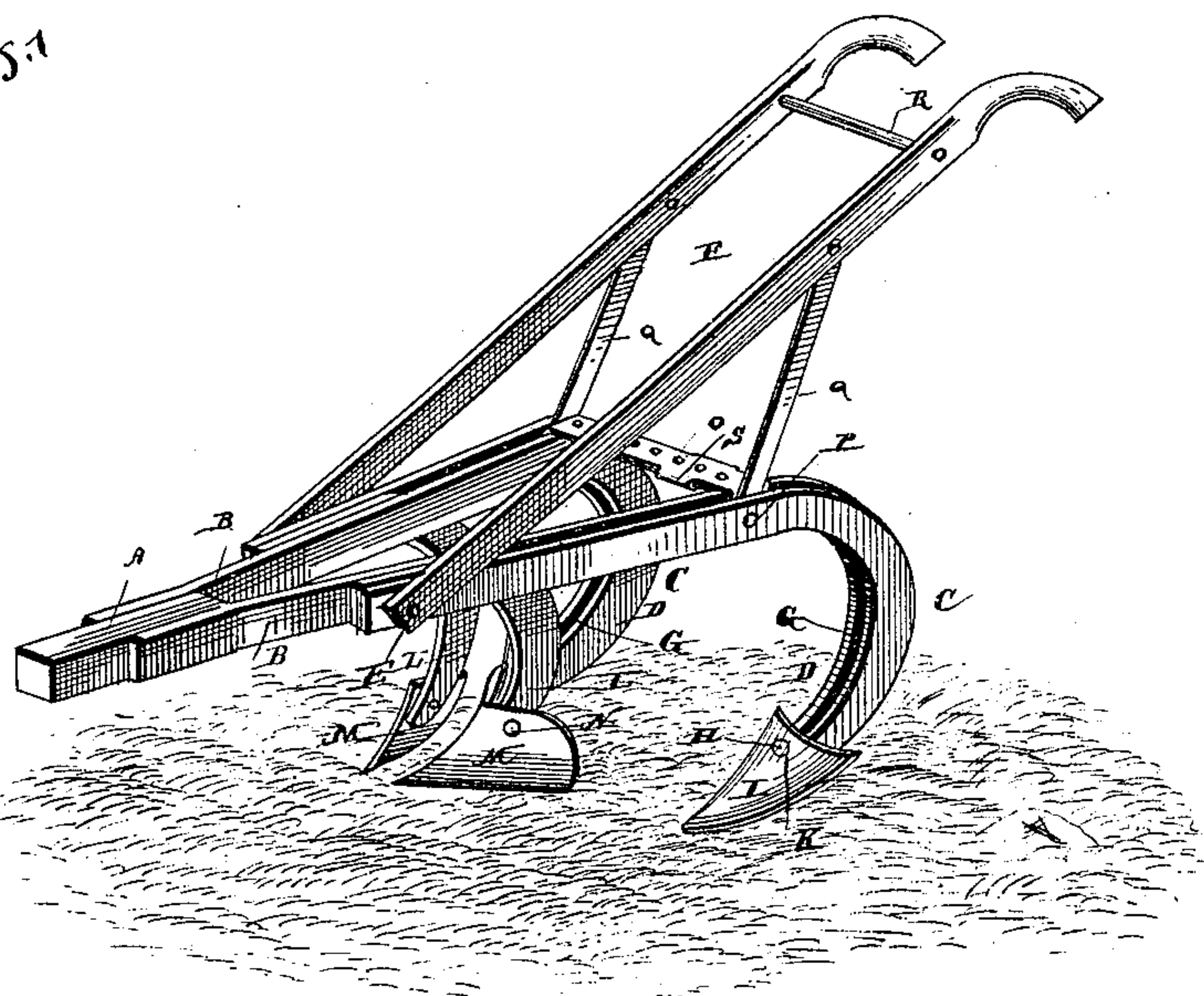


Fig. 3

Fig. 2

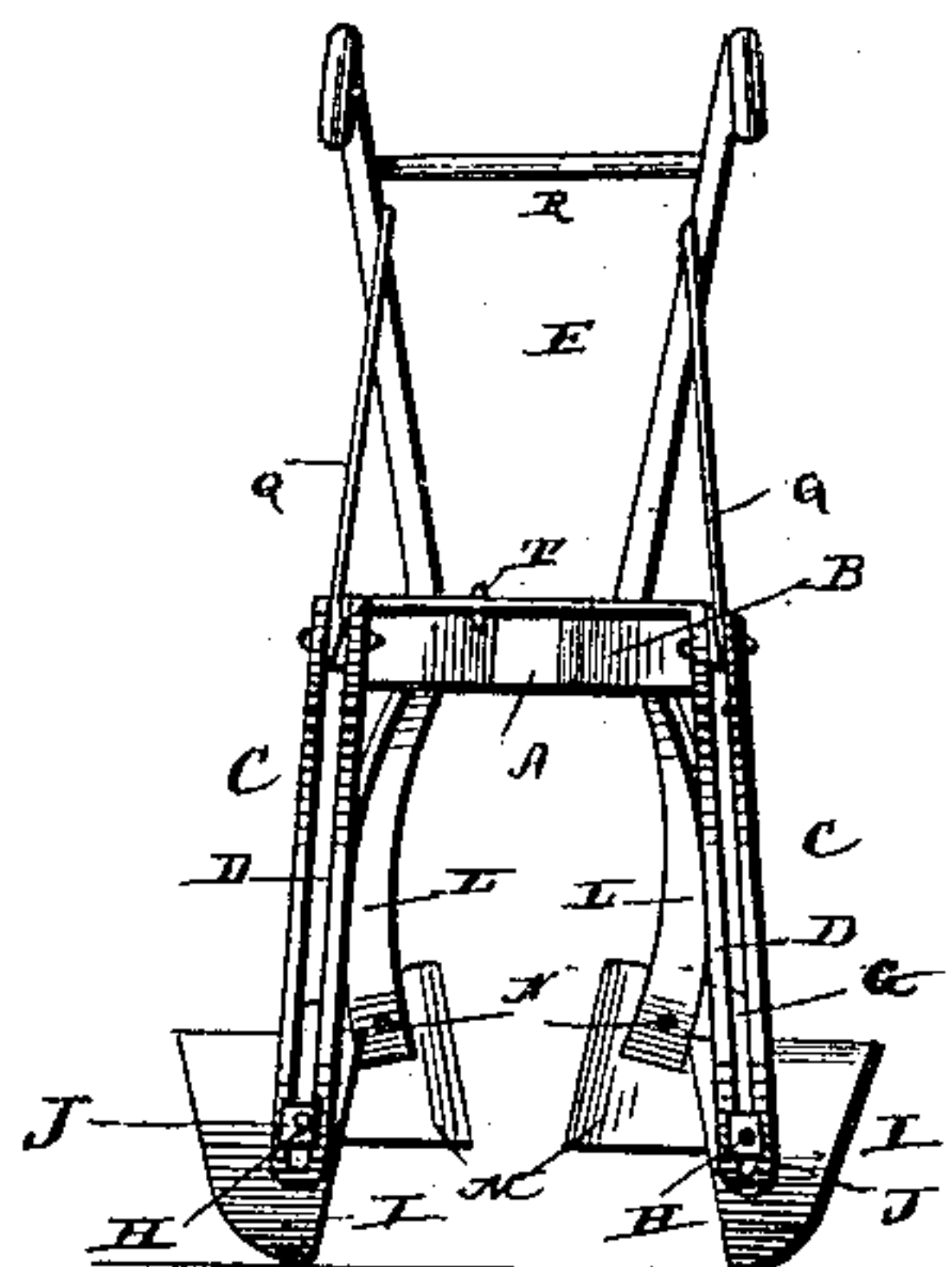
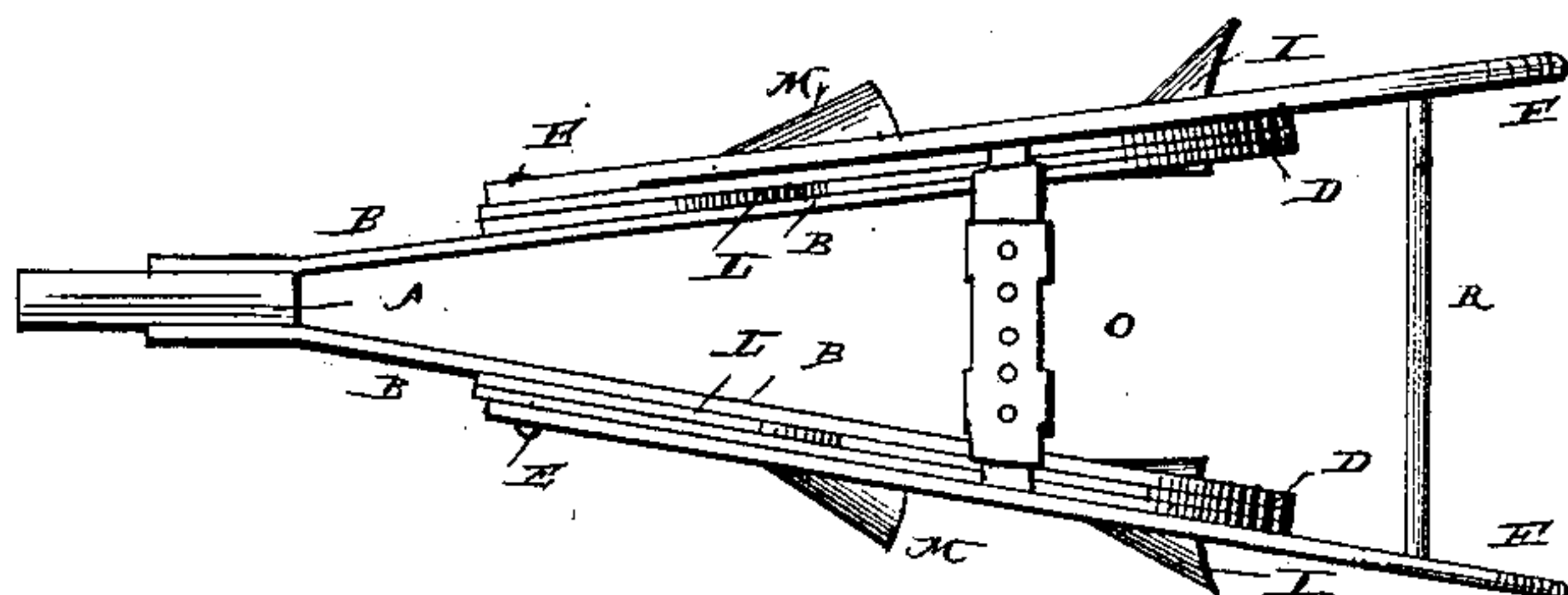
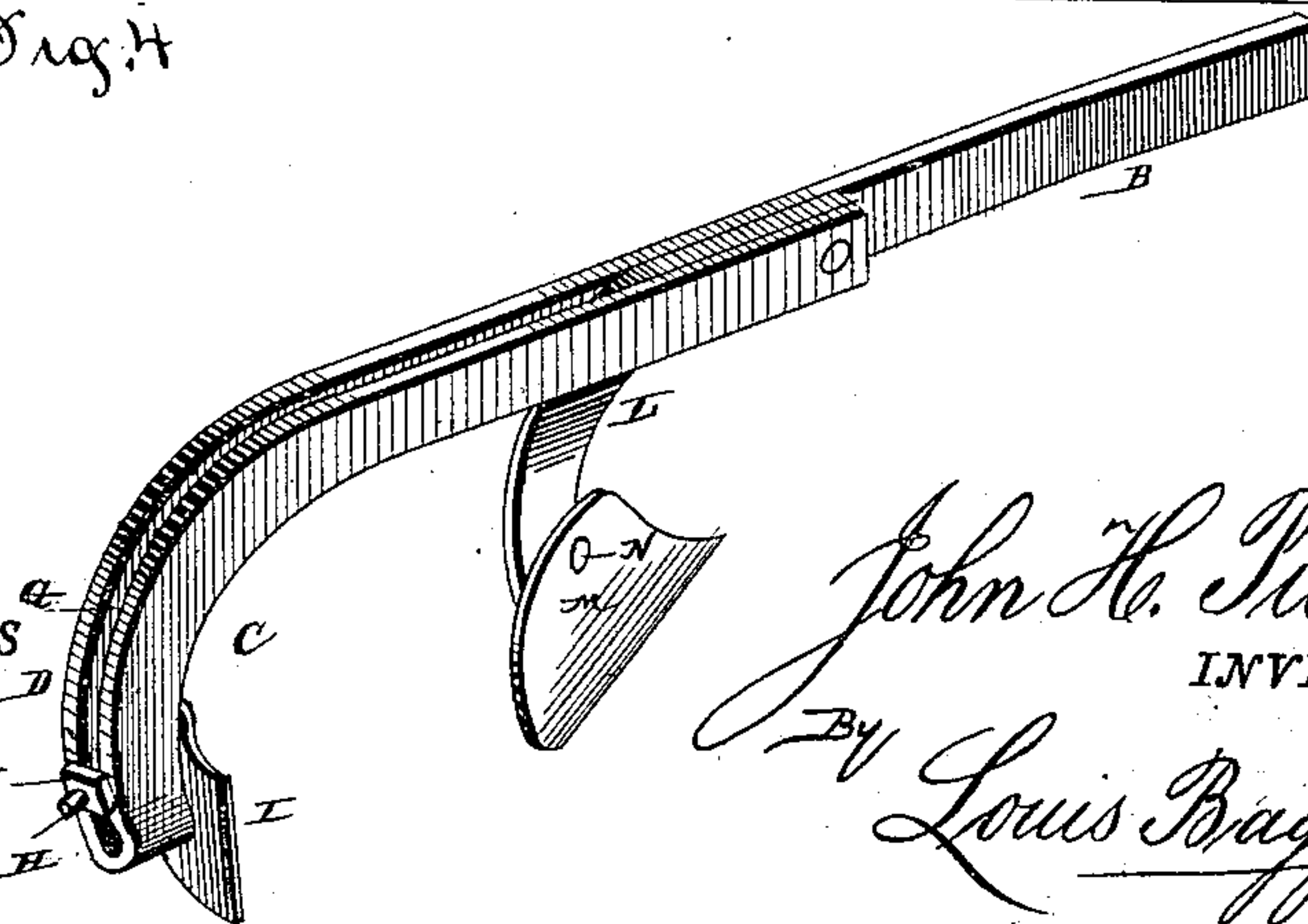


Fig. 4



WITNESSES

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# UNITED STATES PATENT OFFICE.

JOHN HOWARD PUTMAN, OF DAINGERFIELD, TEXAS.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 335,537, dated February 2, 1886.

Application filed November 6, 1885. Serial No. 182,046. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN H. PUTMAN, a citizen of the United States, and a resident of Daingerfield, in the county of Morris and State of Texas, 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, and in which—

Figure 1 is a perspective view of my improved cotton plow or cultivator. Fig. 2 is a top view of the same. Fig. 3 is a rear view, and Fig. 4 is a perspective view seen from the rear of one of the beams.

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

My invention has relation to cultivators especially adapted to cultivate cotton, corn, or other plants planted in rows; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the beam to which the draft is applied. To each side of the rear end of this beam is secured a bar, B, which extends rearward, and is curved downward, forming a standard, C, the bar being doubled at its lower end, and the said doubled part D passing upward and forward parallel with the other portion, and being secured to that portion by means of a bolt, E, which also serves to secure the handle F. In the slot G, formed by the lower doubled end of the bar B, the bolt H, which secures the cultivator-shovel I, is secured by means of a nut, J, the head of the bolt resting in a countersunk perforation, K, in the shovel-blade, and the nut bearing against the rear edges of the lower portion of the bar B and of the doubled portion D. The forward ends of the forward standards, L, are secured upon the bolts E between the forward ends of the doubled portions D and the main portions of the beams B, and mold-boards or gopher-blades M are secured to the lower ends of these standards by means of bolts N. The down-

wardly-bent ends of two flat perforated bars, O, are secured upon bolts P, between the main portions of the beams B and the doubled portions D, the same bolts serving to secure the lower ends of braces Q, which are secured at their upper ends to the handles, which are secured near their upper ends by means of a cross-piece, R. The inwardly-bent portions of the perforated bars O slide upon each other with their flat sides, one of the bars having lips S, which are bent around the edges of the other bar and serve to guide it, and a bolt, T, may be inserted into the perforations when two perforations are brought to register after the beams have been adjusted at their desired distance from each other. The scrapers and shovels may in this manner be adjusted at any suitable distance from each other, and the scrapers or gopher-blades will cut the weeds on both sides of the row and throw the dirt away from the row, while the shovels will stir up the dirt. The beams and rear standards being made from one curved and doubled flat bar, it is very simple of construction, and will afford a simple means for securing the rear shovels by inserting the bolt through the slot thus formed at the lower end of the standard and adjusting the bolt at any suitable height, and the forwardly bent or curved upper ends of the forward standards are held securely between the main portions of the beams and the forward portions of the doubled portions of the beams. The handles are secured with their forward ends upon the same bolts which secure the ends of the forward standards and the two portions of the doubled beams, and the flat adjusting-bars and the braces for the handles are secured by the same bolts, rendering the construction of the implement very simple, it consisting of as few parts as well possible, and these parts may all easily be replaced in any blacksmith-shop.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination, with the plow-beam, of two similar oppositely-diverging bars, the rear portion of each of which is doubled back upon itself, the end of the fold forming a standard, to which a shovel is adjustably secured, a

standard secured at the front end of each  
doubled portion and secured between it and  
the bar, said standard being shorter than the  
rear standard, and having a scraper or gopher-  
5 blade secured thereto, and a suitable adjusting  
device and handles secured to said bars, as  
shown and described.

2. The combination, with a plow-beam, of  
two side bars, the rear portion of each of which  
10 is folded back upon itself, forming a standard,  
a shorter standard, a handle the front end of  
which and the end of the doubled portion are

secured to the said bar by means of a single  
bolt, and the downturned end of one-half of  
the adjusting device and a brace for said han- 15  
dle being secured by a single bolt at another  
place, as shown and described.

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

JOHN HOWARD PUTMAN.

Witnesses:

J. M. MOORE,

J. H. SPEARMAN.