

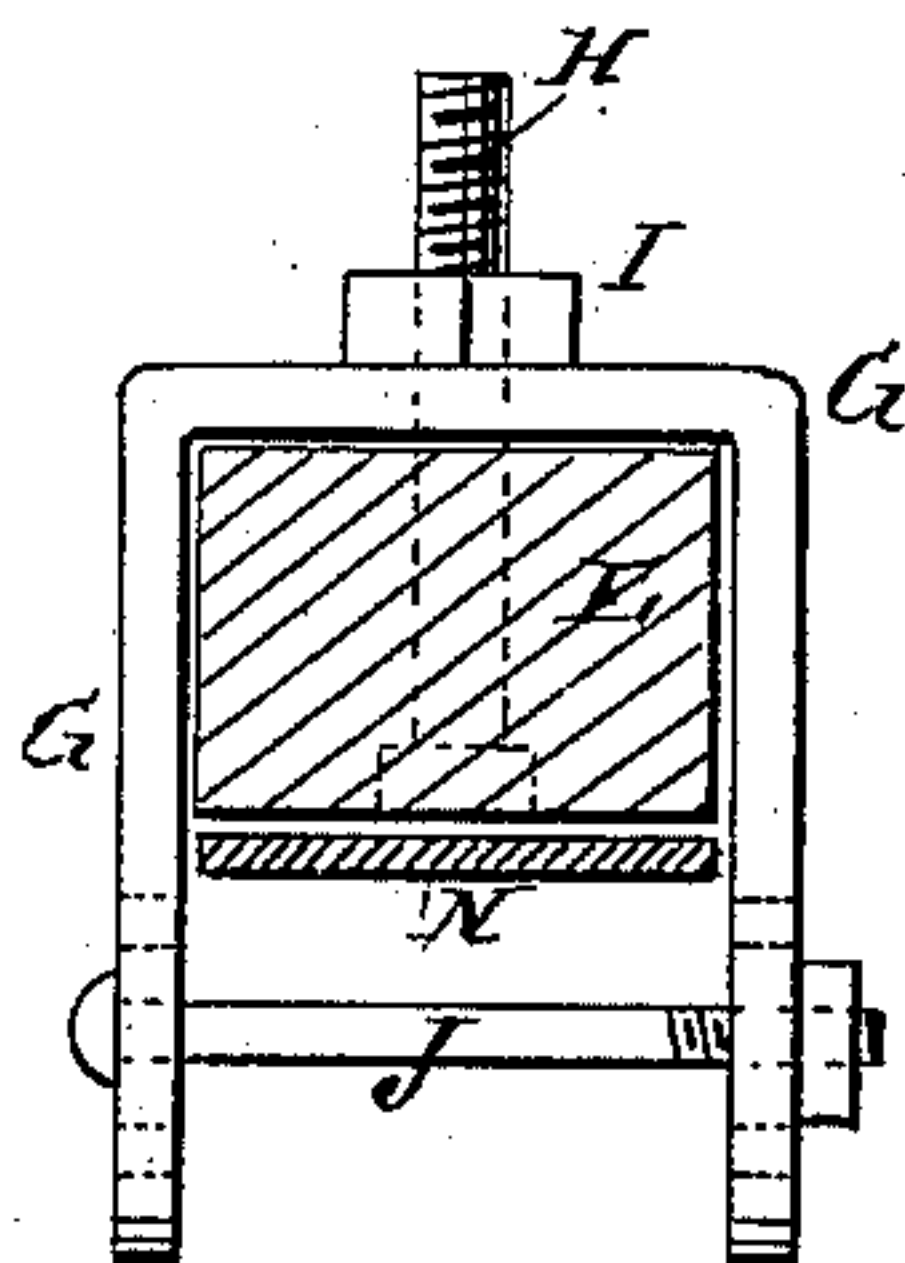
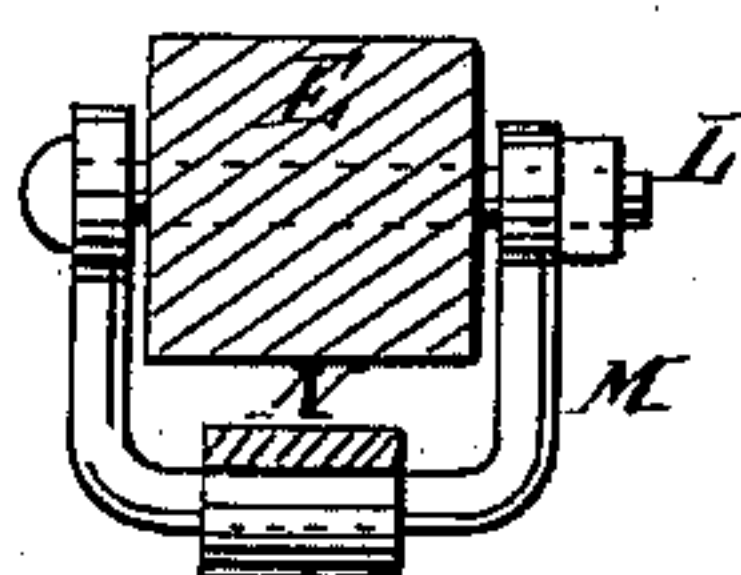
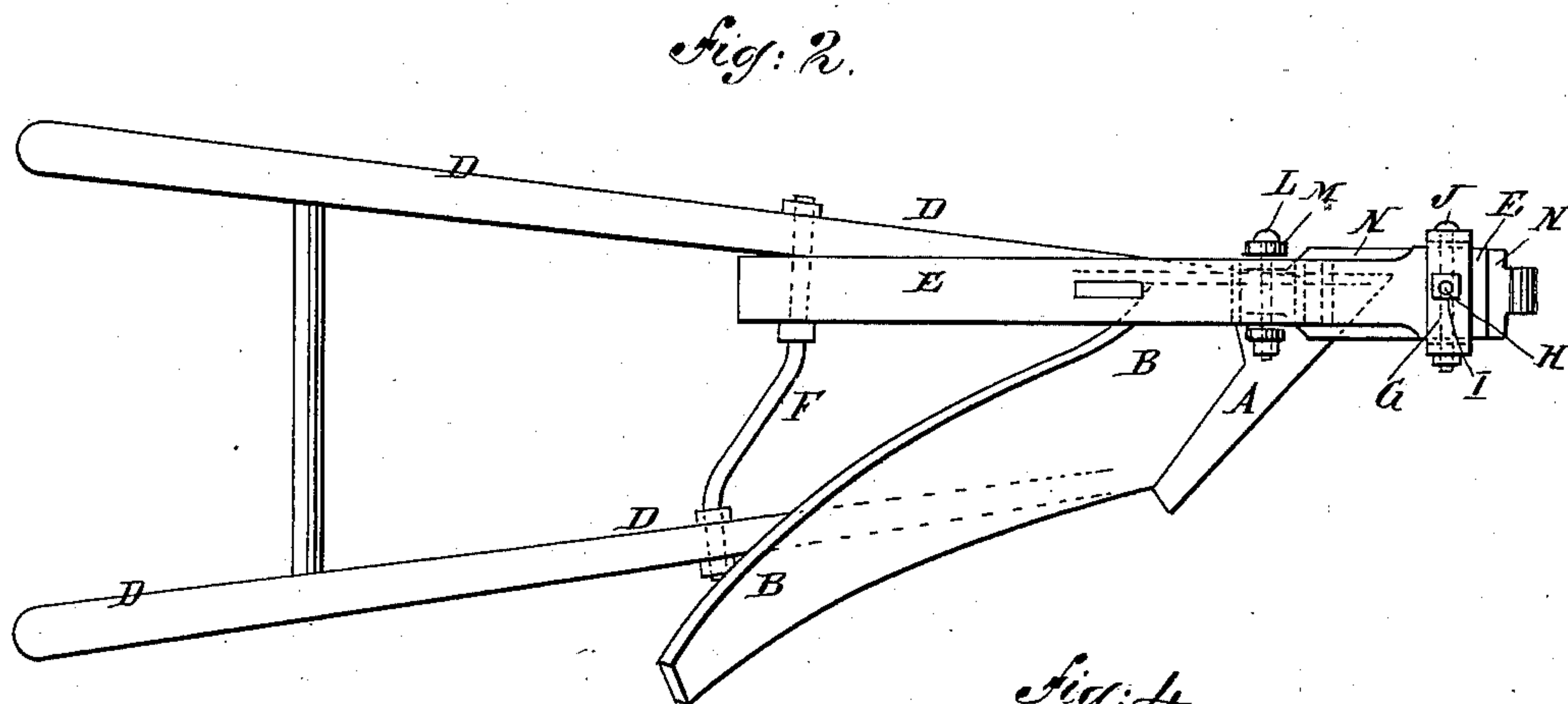
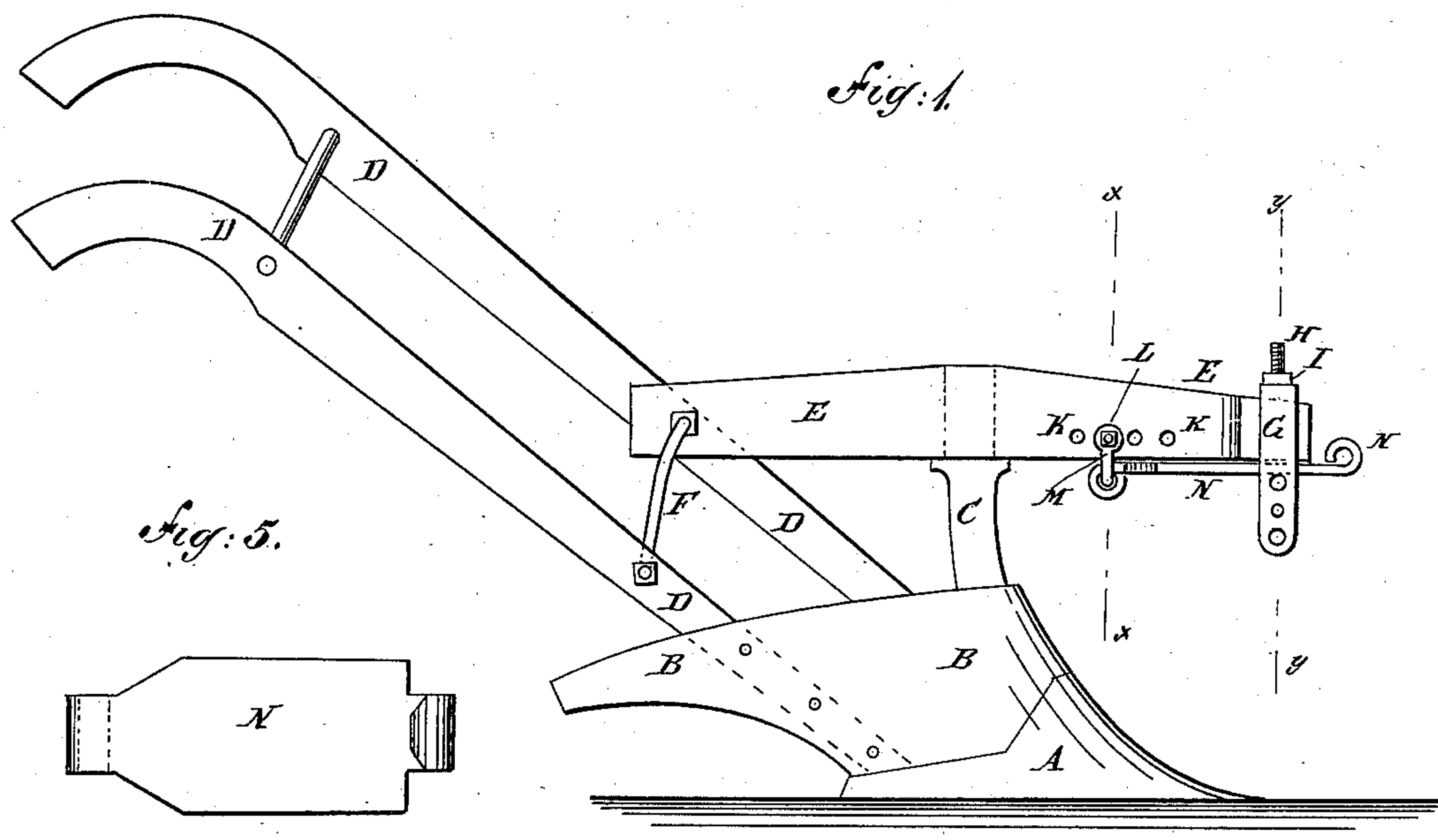
(No Model.)

D. M. McALPIN.

PLOW.

No. 308,682.

Patented Dec. 2, 1884.



**WITNESSES:**

Chas. Nida  
C. Sedgwick

INVENTOR:

D. M. McAlpin  
BY *Allen & Co*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

DONALD M. McALPIN, OF SAVANNAH, GEORGIA.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 308,682, dated December 2, 1884.

Application filed April 23, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, DONALD MELROSE McALPIN, of Savannah, in the county of Chatham and State of Georgia, have invented a new and useful Improvement in Plows, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of a plow to which my improvement has been applied. Fig. 2 is a plan view of the same. Fig. 3 is a sectional end elevation of the beam and draw-plate, taken through the line *xx*, Fig. 1. Fig. 4 is a sectional end elevation of the beam and draw-plate, taken through the line *yy*, Fig. 1. Fig. 5 is a view of the draw-plate.

The object of this invention is to promote convenience and efficiency in the use of plows.

The invention consists in the combination, with a short beam having perforations in its lower forward part and provided with a U-shaped bracket and its adjustable bolt, of a clevis and a flat draw-plate, whereby a short beam can be used and the draft attachment can be readily adjusted as the character of the soil may require.

A is the point, B the mold-board, C the standard, and D the handles, of an ordinary plow. E is the beam, which is secured at its middle part to the standard C, and is connected at its rear end with the handles D by a rod, F. The beam E is made short, and to its forward end is secured a U-shaped bracket, G, with its arms projecting downward. The bracket G is secured in place by a bolt, H, which passes up through the beam E and through the bend of the said bracket, as shown in Fig. 4, and has a nut, I, screwed upon its upper end. Several holes are formed through the arms of the bracket G, to receive the bolt J, so that the said bolt can be adjusted higher or lower, as may be desired.

In the lower part of the beam E, in front of the standard C, is formed a number of holes, K, to receive the bolt L of the clevis M, which hangs below the beam E, and the bend of which passes through an eye formed in the rear end of the draw-plate N. The plate N is made about ten inches long, four inches wide, and a quarter of an inch thick, and has an eye at each end. The draw-plate N passes between the arms of the bracket G, and is kept in proper position by the bolt J of the said bracket. The draft is applied to the eye at the forward end of the draw-plate N. With this construction, by moving the clevis M to the rearward and raising the forward end of the draw-plate N by adjusting the bolt J, the plow can be made to "take" in any kind of soil. By moving the clevis M forward and lowering the forward part of the draw-plate N by moving the bolt J downward, the plow will be caused to make a lighter cut, so that the plow can be readily adjusted as the character of the soil may require. With this construction, also, the employment of a short beam is made practicable, the plate N holding the plow steady, so that the point of draft attachment can be brought near the plow, and the draft of the said plow thus made lighter.

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

The combination, with the short beam E, having perforations K, and provided with the U-shaped bracket G, and bolt J, of the clevis L M and the flat draw-plate N, substantially as herein shown and described, whereby a short-beam plow can be used and can be readily adjusted as the character of the soil may require, as set forth.

DONALD M. McALPIN.

Witnesses:

M. S. McALPIN,  
HENRY McALPIN.