

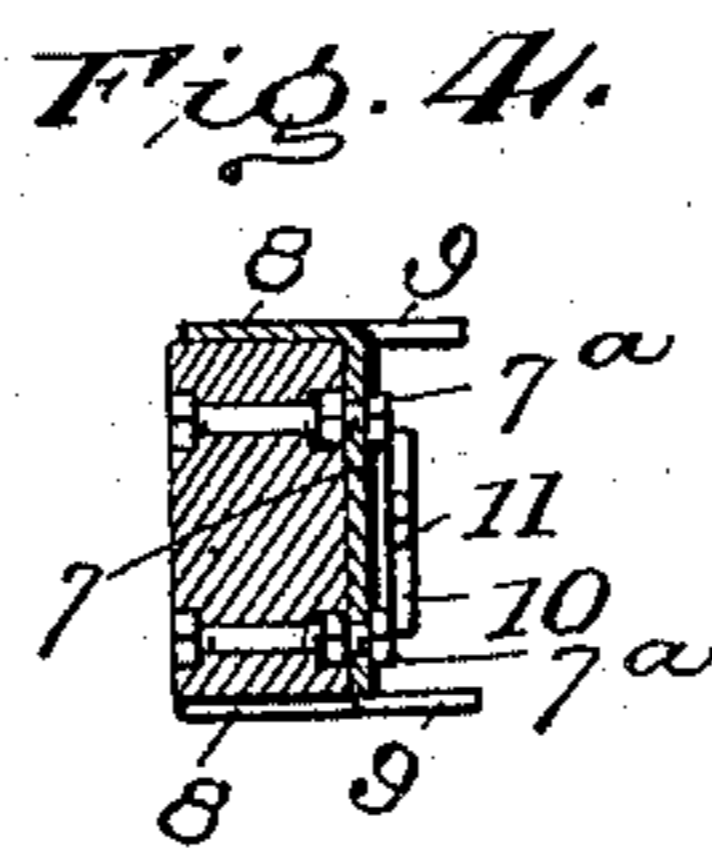
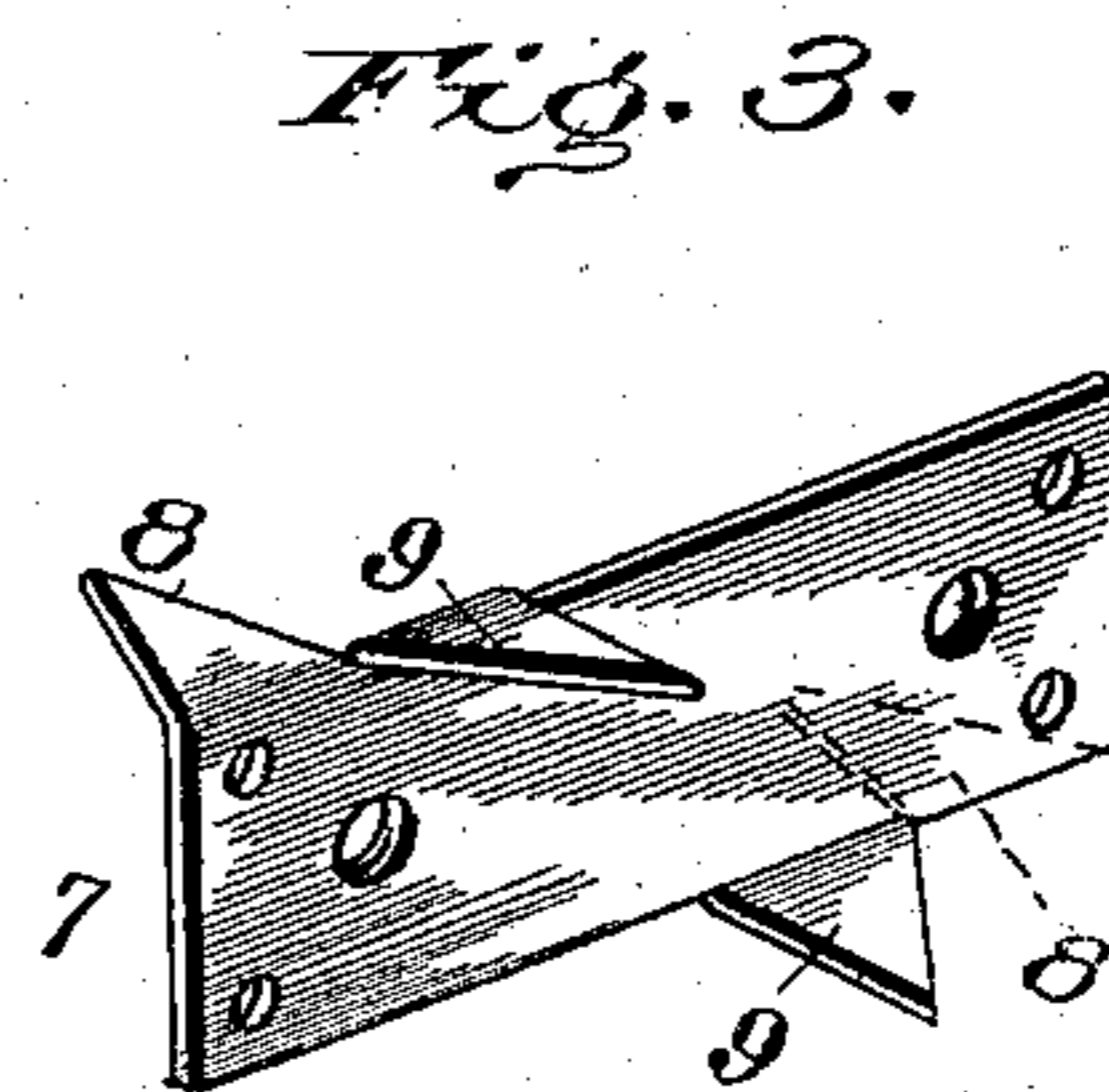
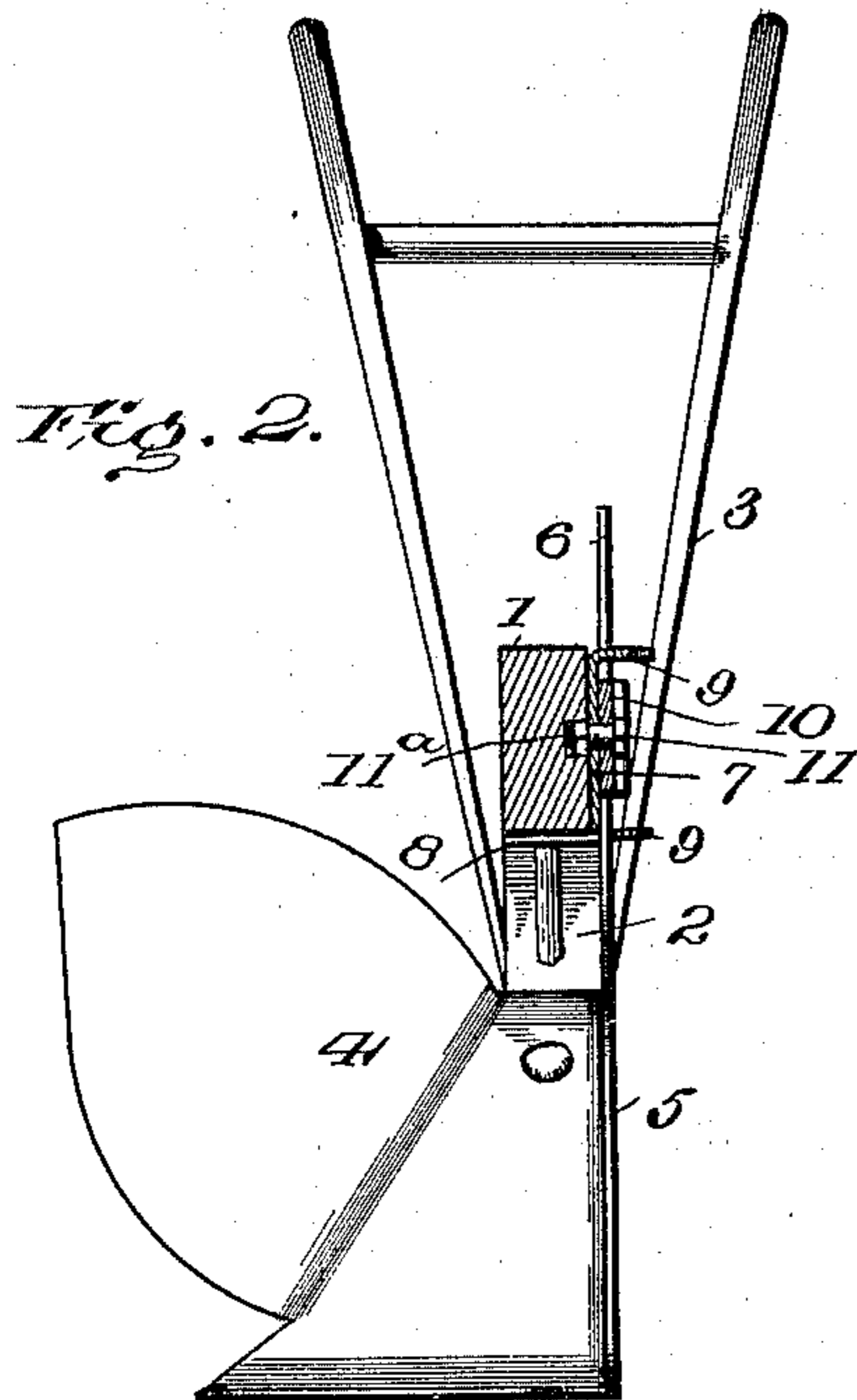
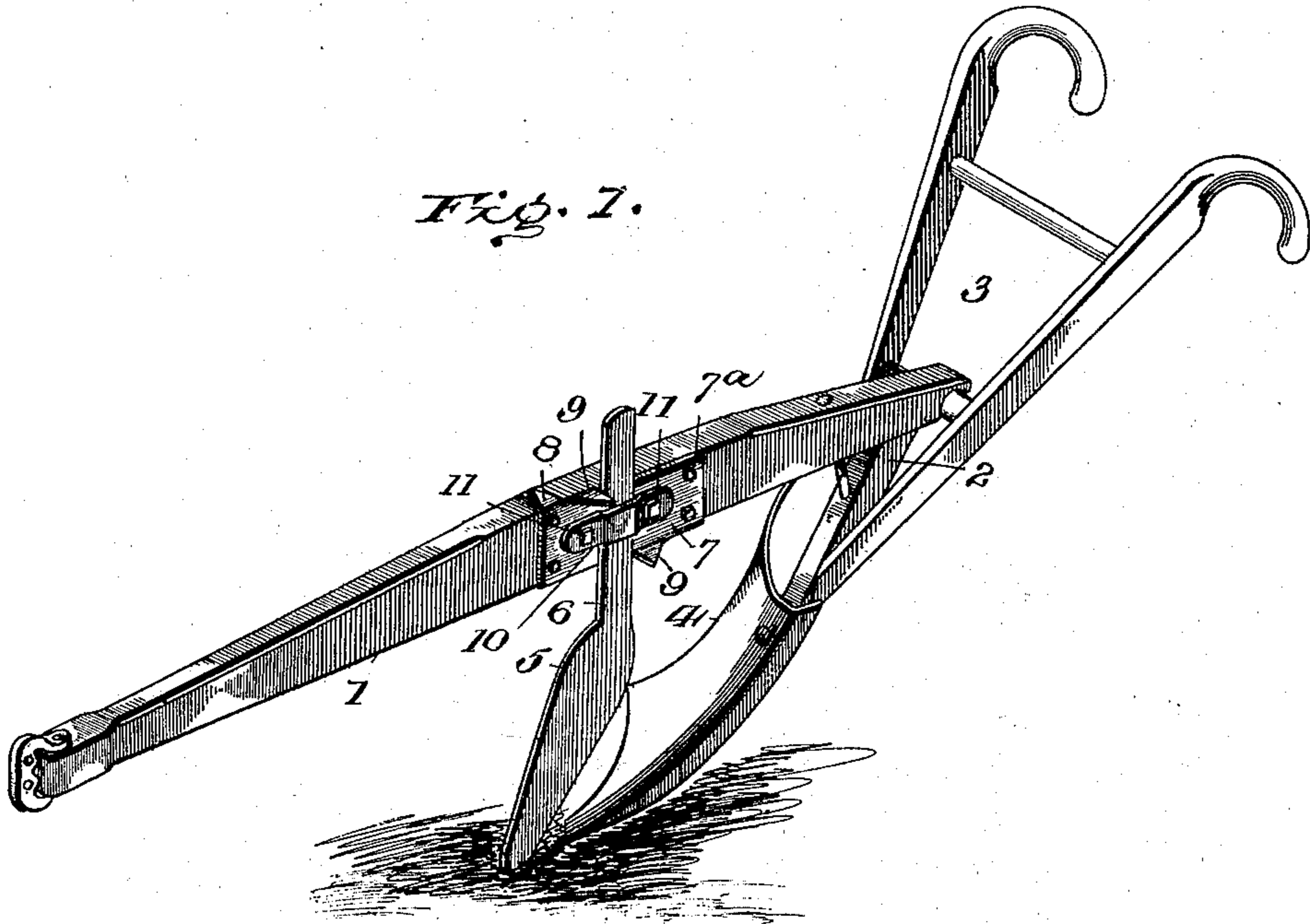
No. 612,719.

Patented Oct. 18, 1898.

B. T. GORMAN.
PLOW.

(Application filed July 8, 1897.)

(No Model.)



Witnesses

J. M. Miller
D. C. Finney

Inventor

B. T. Gorman,

by R. M. Hacey his Attorney

UNITED STATES PATENT OFFICE.

BIRCH THOMAS GORMAN, OF CAVE IN ROCK, ILLINOIS.

PLOW.

SPECIFICATION forming part of Letters Patent No. 612,719, dated October 18, 1898.

Application filed July 8, 1897. Serial No. 643,873. (No model.)

To all whom it may concern:

Be it known that I, BIRCH THOMAS GORMAN, a citizen of the United States, residing at Cave in Rock, in the county of Hardin and State of Illinois, have invented certain new and useful Improvements in Plows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in plows, the object being to provide a simple and effective attachment for the colter.

With this object in view the invention consists in the novel constructions and combinations of parts hereinafter more fully described, and specifically set forth in the appended claim.

In the accompanying drawings, Figure 1 is a perspective view of a plow embodying my invention. Fig. 2 is a front elevation of the plow, showing the beam and colter-attaching plates in cross-section; Fig. 3, a detail perspective view of the clamping-plate; Fig. 4, a cross-section of the plow-beam and colter-attaching plates secured thereto.

Referring to the drawings, 1 represents the beam of the plow; 2, the standard; 3, the stilts or handles, and 4 the share, attached as usual to the standard. The colter-blade 5 may be of any approved form to adapt it for use with different types of shares, and in accordance with my invention is formed with an arm 6. The clamp comprises a metallic plate 7, secured to the side of the beam by bolts 7^a. This plate is provided at its bottom edges and at opposite ends thereof with laterally-projecting fingers 8, which lap over upon the top and bottom of the beam and prevent the plate from shifting vertically. The plate is also formed adjacent each laterally-projecting finger with a stop-lug or projection 9, having broad straight horizontal clamping-faces facing each other. 10 is a keeper-plate se-

cured to the said clamping-plate by bolts 11, whose nuts 11^a fit in countersunk openings in the beam, as shown. This keeper-plate clamps the arm 6 of the colter 5 against the clamping-plate and prevents vertical movement of the same, while the stop-lugs or projections 9 prevent rearward movement of the colter. By this construction the rod ordinarily employed for connecting the colter to the beam is dispensed with, which is advantageous in that my improvement has no projecting surfaces to catch and hold weeds and trash.

It will be understood that the colter may be varied in construction for use with different types of shares.

The invention provides a simple colter-clamp which firmly holds the colter and may be made and applied at a small cost.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

In a plow, the combination with the beam, of a colter having a connecting-arm, a sheet-metal clamping-plate on the beam provided with four angular lugs formed integrally therewith, two on the upper edge forward of the center and two on the lower edge rear of the center, the two outer lugs being bent back at right angles to engage the beam and the two inside lugs being bent forward to engage the colter-arm, so that the pressure therefrom will be in a line parallel to the line in which they are bent, and a keeper-plate bolted to the clamping-plate to secure the colter-arm, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

BIRCH THOMAS GORMAN.

Witnesses:

B. H. ARMSTRONG,
JOHN JACK, Jr.