

No. 765,106.

PATENTED JULY 12, 1904.

J. T. SIMMS.  
PLOW.

APPLICATION FILED JULY 29, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.

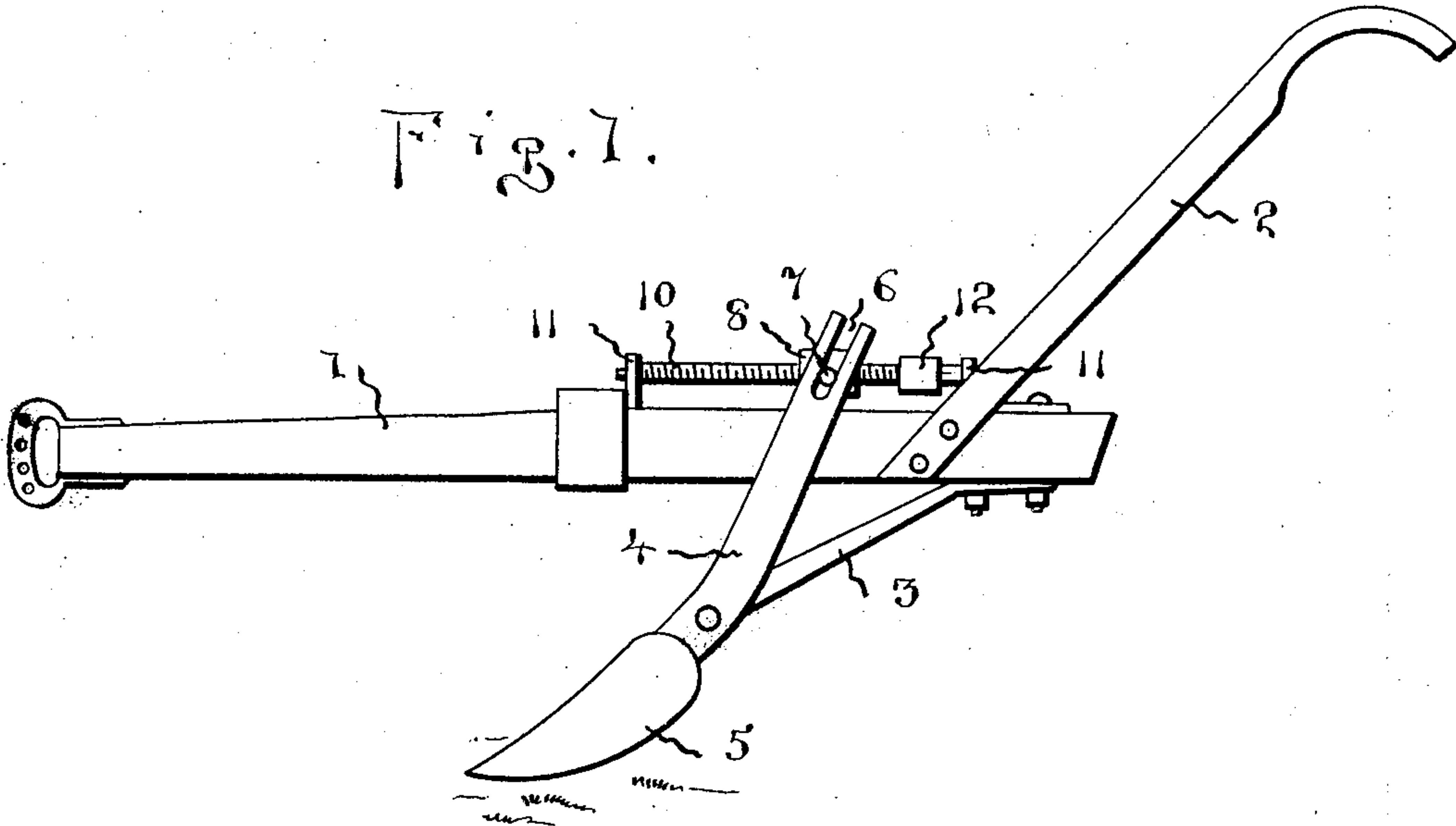
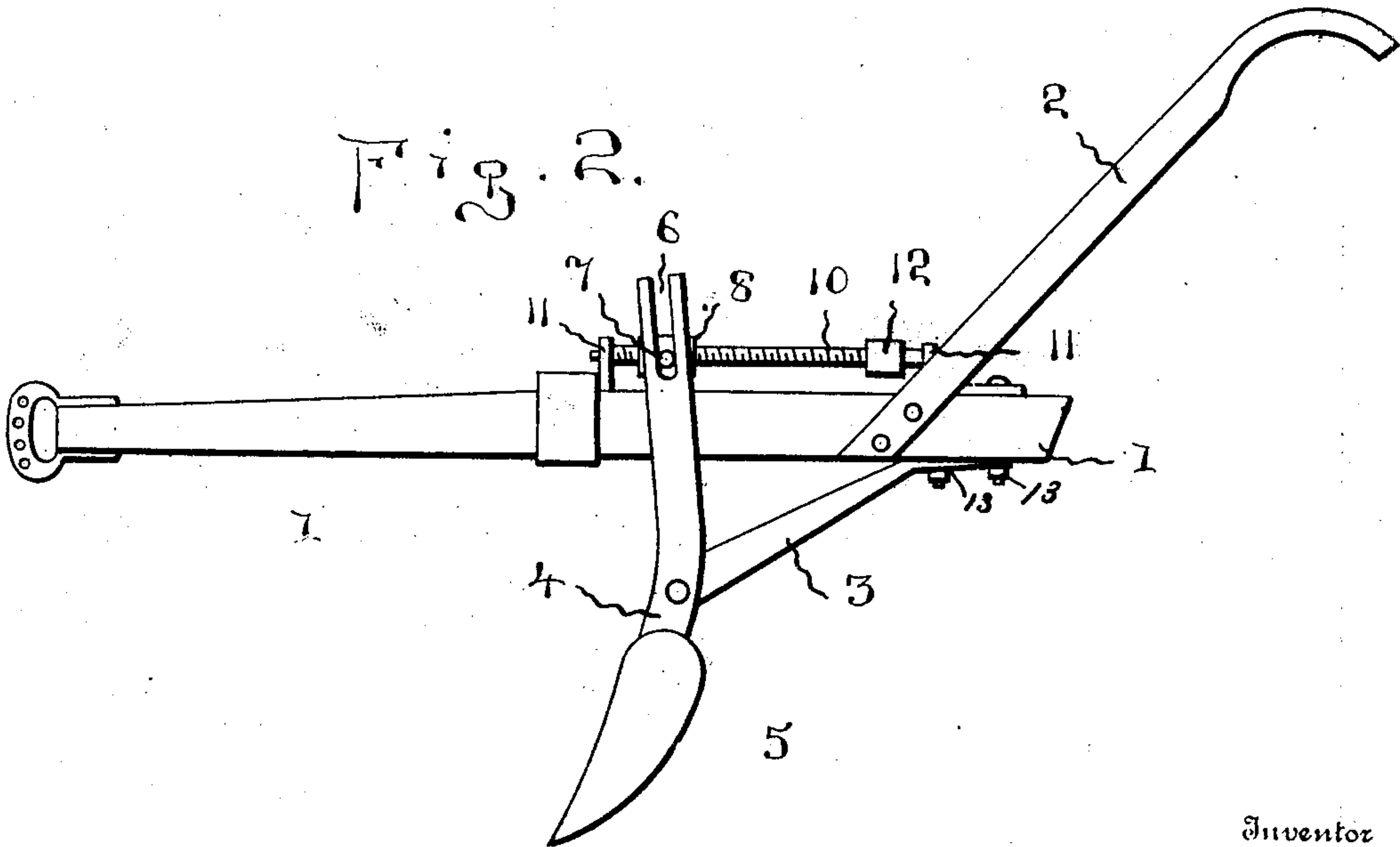


Fig. 2.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

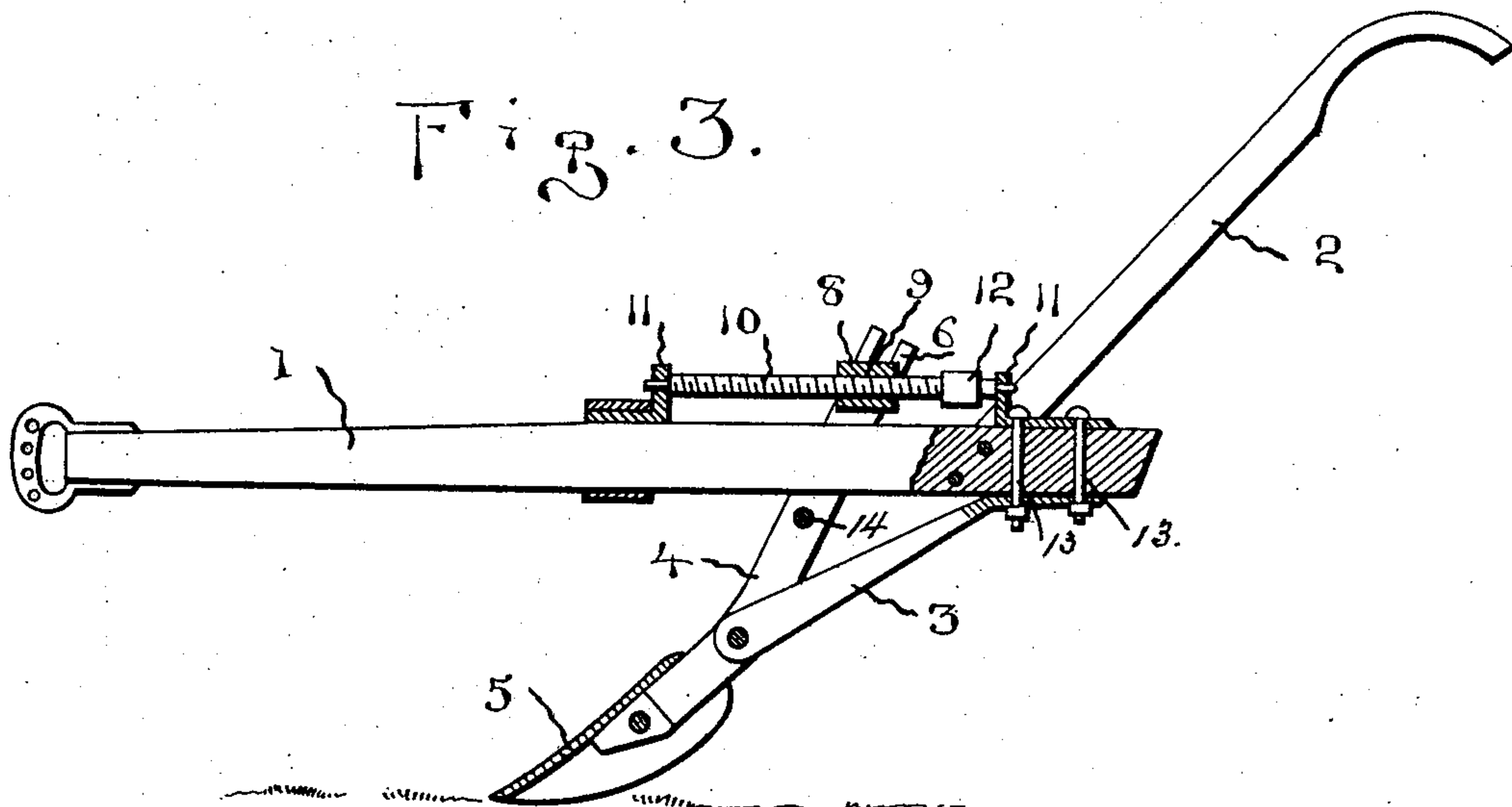
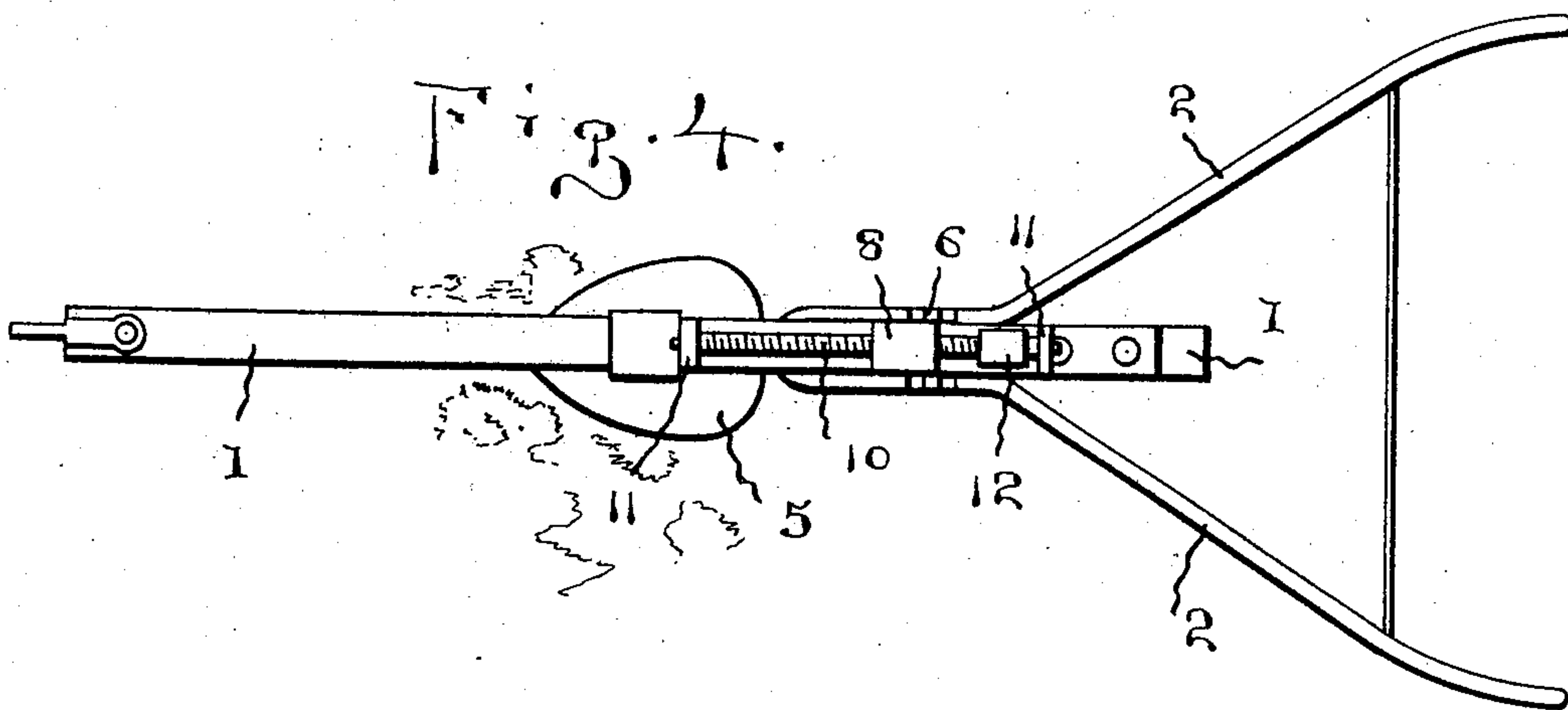


Fig. 4.



Witnesses

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## UNITED STATES PATENT OFFICE.

JOHN T. SIMMS, OF RAMSEY, ALABAMA.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 765,106, dated July 12, 1904.

Application filed July 29, 1903. Serial No. 167,441. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN T. SIMMS, a citizen of the United States, residing at Ramsey, in the county of Sumter and State of Alabama, have invented new and useful Improvements in Plows, of which the following is a specification.

My invention relates to new and useful improvements in plows; and its object is to provide novel mechanism of simple and inexpensive construction whereby the plow may be quickly adjusted to a desired inclination in relation to a plow-beam.

With this and other objects in view the invention consists in providing a plow which is mounted upon a stock fulcrumed at a point between its ends, and this stock is forked and engages a collar which is adjustably mounted upon a movable screw arranged on the plow-beam.

The invention also consists in the novel construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a side elevation of my improved plow. Fig. 2 is a similar view showing the plow and its stock adjusted into a substantially vertical position. Fig. 3 is a longitudinal section through the plow with the parts in the positions illustrated in Fig. 1. Fig. 4 is a plan view.

Referring to the figures by numerals of reference, 1 is a plow-beam having suitable handles 2 connected to the rear end thereof and a hanger 3 depending from this beam and has a plow-stock 4 pivoted thereto. A plow 5 is connected to the lower end of this stock, while the upper end thereof is forked, as shown at 6, and engages pins 7, which extend from opposite sides of a block 8. This block has a threaded passage 9 extending therethrough which receives a screw 10, journaled at its ends within brackets 11, fastened to the plow-beam 1. To attach the brackets and parts connected thereto and the hanger 3 to the plow-beams, I use bolts 13, which pass through the rear bracket 11, through the beam, and thence through the upper rear end of the hanger, said bolts serving to hold said parts rigid with the beam without the aid of other fastening means. Between the forks

of the stock I secure a bolt 14, which serves when the plow is adjusted to coact with the under side of the beam, so as to hold the plow rigid during the operation of said plow. A preferably rectangular head 12 is formed near one end of the screw, so as to permit the same to be readily rotated by means of a wrench or other suitable tool. Bolts 11<sup>a</sup> are preferably so arranged as to extend through one of the brackets 11 and the hanger 3, so as to bind them firmly upon the beam 1.

When it is desired to adjust the plow to a desired angle in relation to the beam 1, a wrench or other tool is placed in engagement with the head 12 and the screw 10 is rotated, so as to move the collar 8 in a desired direction. This movement of the block will, as is obvious, cause the pins 7 to swing stock 4 upon its pivot, and the plow 5 will be carried therewith into desired position.

It will be seen that the device is extremely simple and inexpensive in construction and by means thereof the plow can be accurately adjusted to a desired inclination.

Having thus fully described my invention, what I claim as new is—

A plow comprising the beam having thereon brackets with upwardly-projecting lugs provided with openings therein, a screw-rod having journals mounted in the openings of the lugs, a block movably mounted on the screw-rod and having pins projecting from opposite sides thereof, a plow-stock having one end of a hanger pivoted thereto, the upper end of the stock being provided with bifurcated arms to embrace the opposite sides of the beam and having open upper end slots to receive the pins of the block, bolts secured to the rear bracket and rear end of the hanger whereby both brackets and hanger are rendered rigid with the beam by said bolts, means on the screw-rod to move the block so as to adjust the plow-stock, and a bolt secured between the arms of the plow-stock, substantially as specified.

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

JOHN T. SIMMS.

Witnesses:

JOSEPH T. SWAIN,  
JEFF. W. BOYD.