

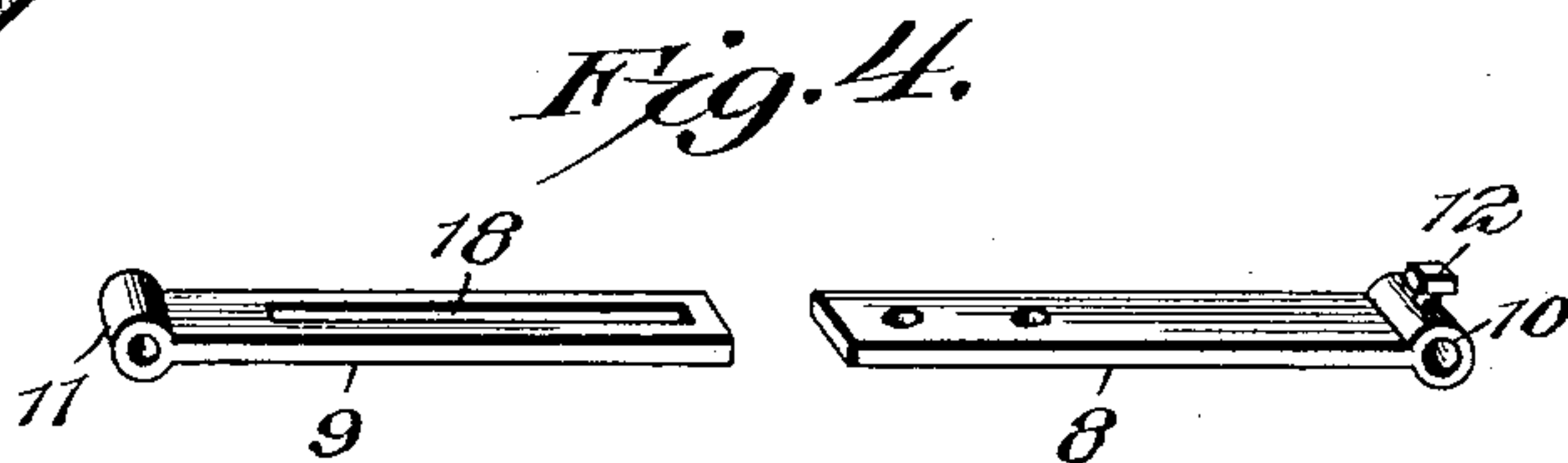
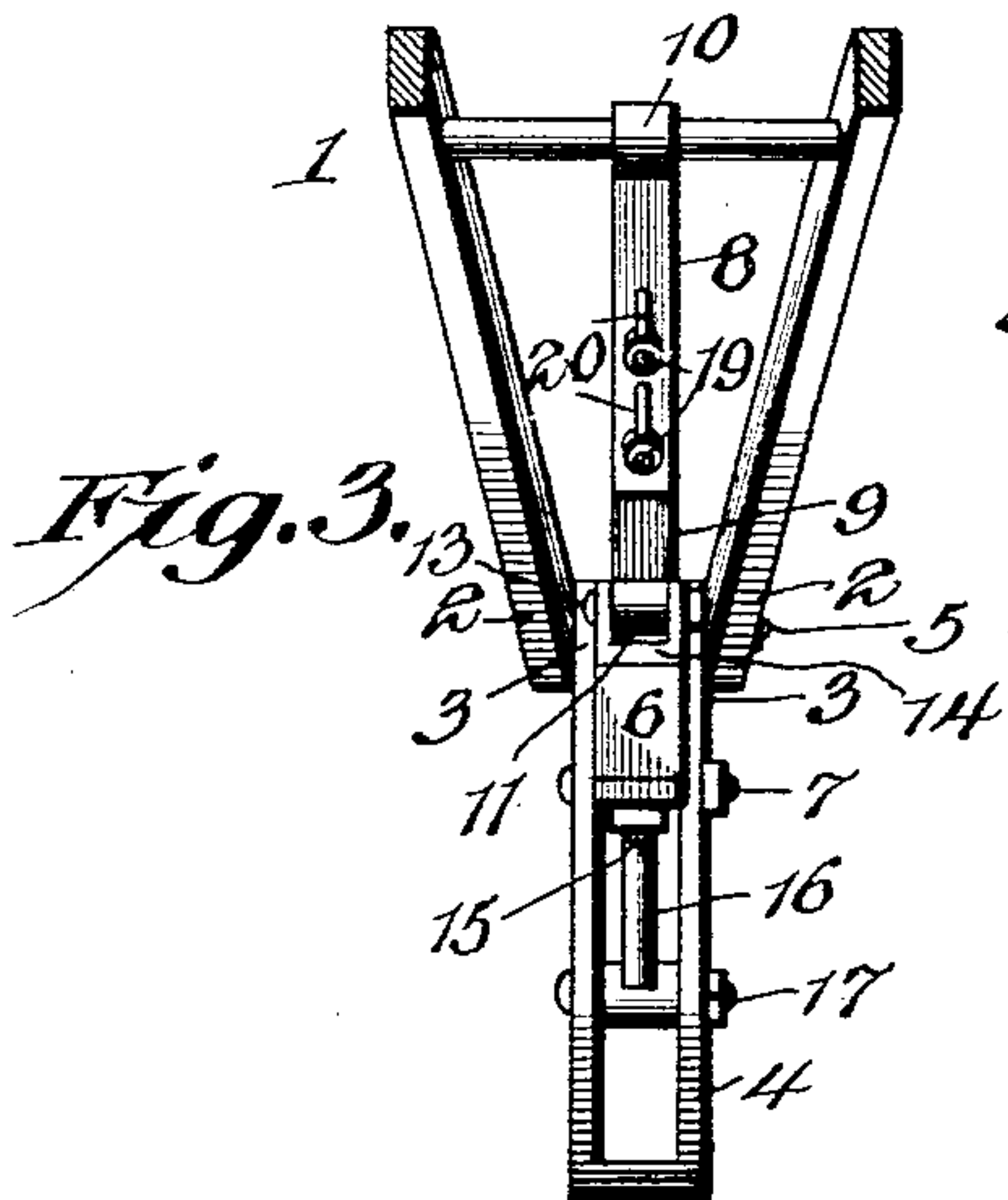
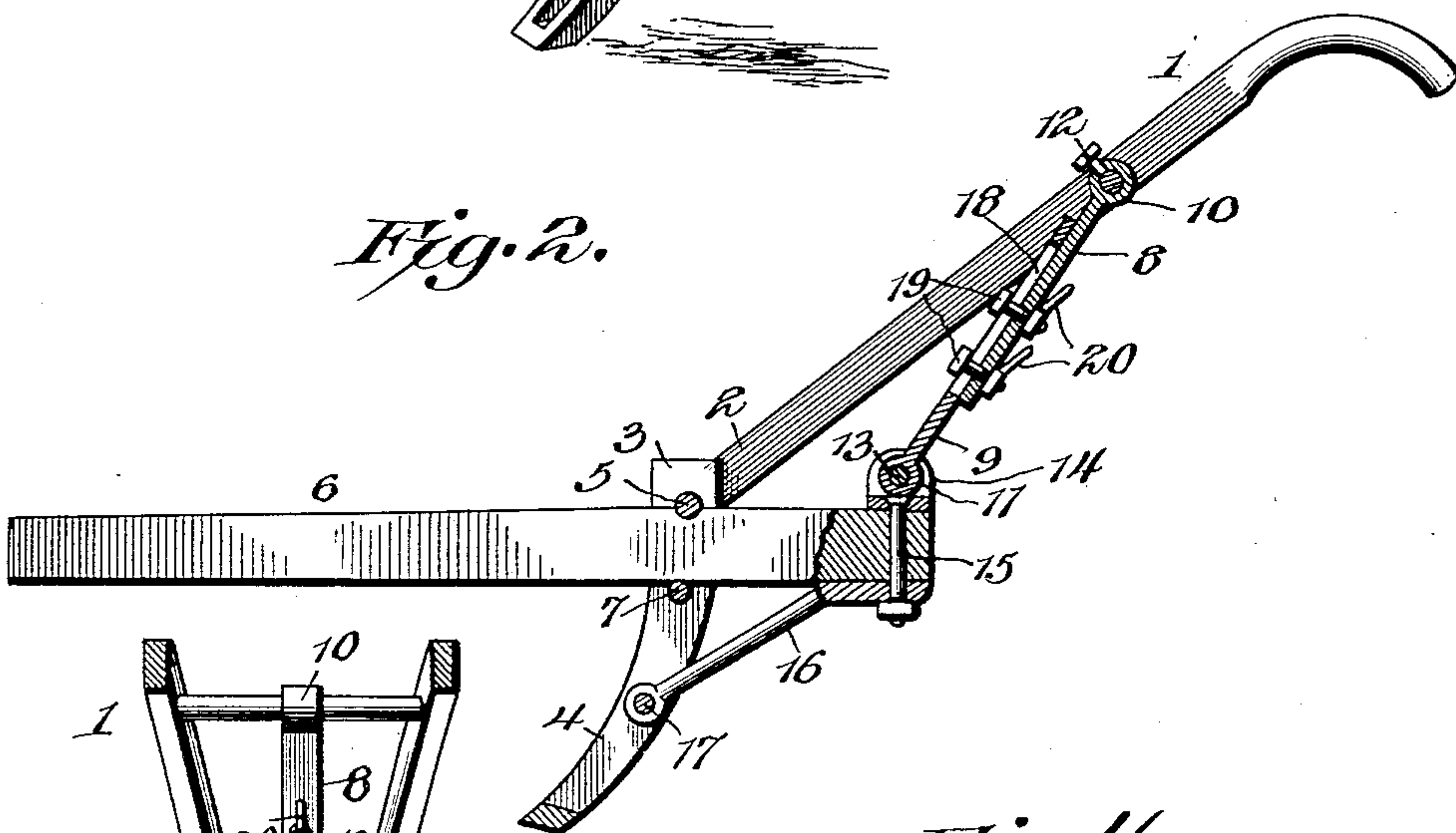
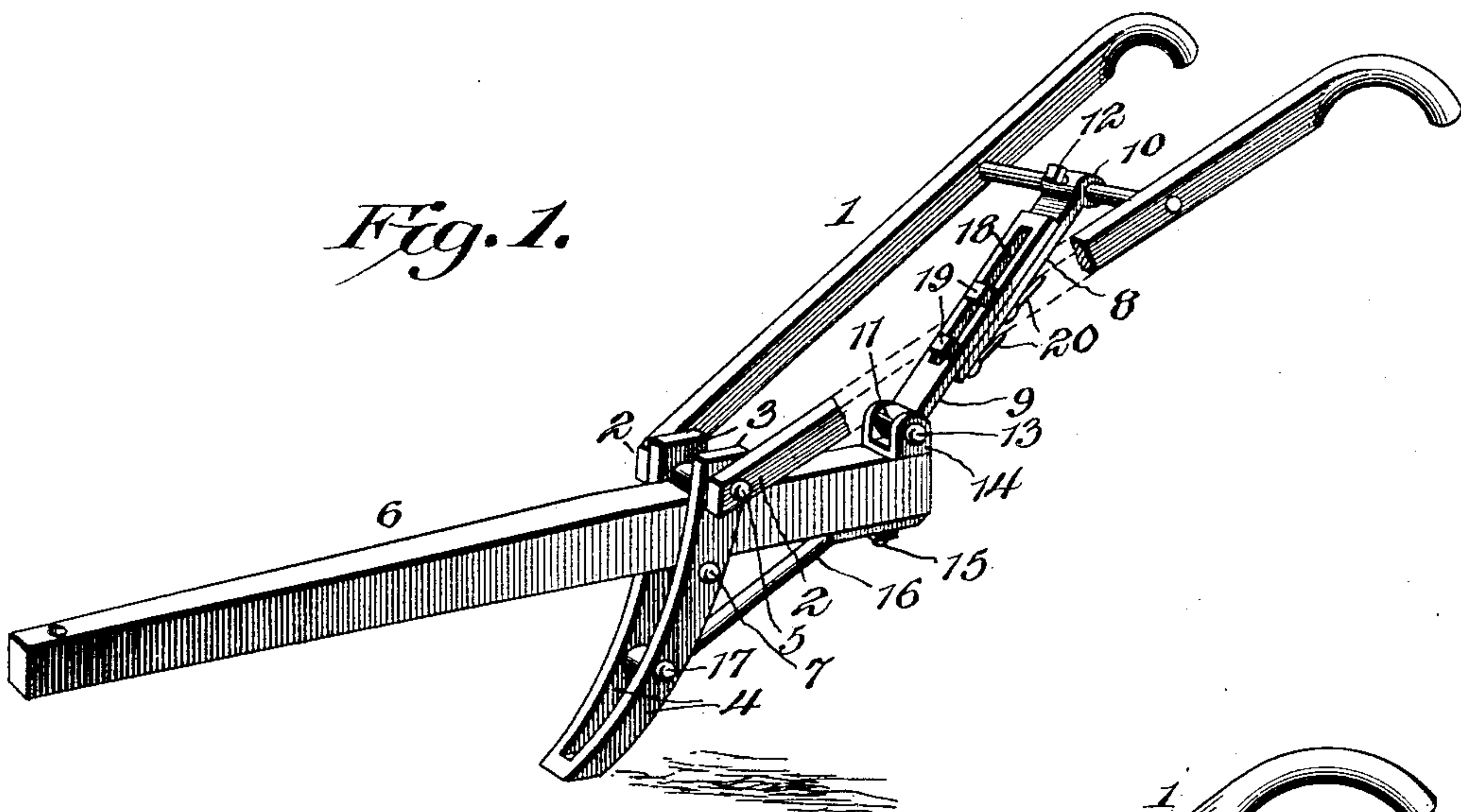
No. 751,683.

PATENTED FEB. 9, 1904.

J. REEL.  
PLOW.

APPLICATION FILED FEB. 21, 1903.

NO MODEL.



John Reel, Inventor,

By

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# UNITED STATES PATENT OFFICE.

JOHN REEL, OF FRENCH CAMP, MISSISSIPPI, ASSIGNOR OF ONE-HALF  
TO T. E. BARRON, OF STURGIS, MISSISSIPPI, AND J. W. BARRON, OF  
ABERDEEN, MISSISSIPPI.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 751,683, dated February 9, 1904.

Application filed February 21, 1903. Serial No. 144,417. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN REEL, a citizen of the United States, residing at French Camp, in the county of Choctaw and State of Mississippi, have invented a new and useful Plow, of which the following is a specification.

The invention relates to improvements in plows.

The object of the present invention is to improve the construction of plows, more especially the means for connecting the handles with the beam, and to provide a simple, inexpensive, and efficient construction designed to be applied to plows, one-horse cultivators, and the like and capable of enabling the plow-handles to be readily raised and lowered to adjust them to suit a man or boy, whereby a plow or similar implement may be more advantageously handled.

A further object of the invention is to provide a device of this character adapted to be readily applied to various forms of plows without necessitating any alteration in the construction thereof.

With these and other objects in view the invention consists in the novel construction and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and particularly pointed out in the claims hereto appended, it being understood that changes in the form, proportion, and minor details of construction within the scope of the claims may be made without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a plow constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a rear elevation. Fig. 4 is a detail view of the sections or members of the adjustable connection between the beam and the upper portions of the plow-handles.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a pair of plow-handles pivoted at their lower ends 2 to the upper ends 3 of standards 4 by the upper bolt 5 thereof, and

the said standards are located at opposite sides 50 of the plow-beam 6 and are clamped to the same by the said bolt 5 and the bolt 7, the bolts 5 and 7 being located at the upper and lower edges of the plow-beam, as clearly illustrated in Fig. 2 of the accompanying drawings. By this construction the lower ends of the plow-handles are pivotally connected with the plow-beam by the fastening devices employed for securing the standards to the said beam; but the plow-handles may be pivoted directly to the plow-beam to enable the improvements to be applied to plows having a standard or standards arranged in a different manner. The plow-handles are adapted to be raised and lowered to arrange their ends at different elevations to permit the plow to be conveniently handled by a man or boy and to be advantageously worked by either, and the said handles are supported at a desired adjustment by means of an adjustable brace or device composed of upper and lower bars or members 8 and 9, having their inner adjacent portions overlapped and adjustably secured together and provided at their outer ends with eyes 10 and 11. The eye 10 of the upper end of the upper bar or member receives the connecting rung or rod 11 of the plow-handles, and it is rigidly secured to the same, when the parts are adjusted, by means of a clamping or set screw 12 or other suitable means. The clamping or set screw 12 is mounted in a threaded perforation of the eye 10 and is arranged to engage the rung, as clearly shown in Fig. 2 of the drawings.

The lower eye 11 is hinged or pivoted to the rear end of the plow-beam by means of a bolt 13 or other suitable fastening device, which also passes through perforated sides or ears of a cuff 14. The cuff 14 consists of a plate having upwardly-extending sides or ears, and it receives the lower eye of the adjustable connecting device or brace and is secured to the rear end of the plow-beam by means of the bolt 15, which secures the brace 16 to the beam. The brace 16, which is disposed at an inclination, extends upward and rearward from the standards 4 and is secured between the same by a suitable fastening device 17,



preferably consisting of a bolt, as indicated in Fig. 3 of the drawings. The vertical bolt 15 passes through a perforation of the cuff and is located beneath the eye of the lower end of the bar or member 9.

The upper portion of the bar or member 9 is provided with a longitudinal slot 18, through which passes one or more bolts 19, and the latter pass through perforations of the lower portion of the upper bar or member and are preferably provided with nuts 20, having extensions or wings for enabling them to be readily rotated to clamp and release the bars or members of the adjustable connection or brace between the upper portions of the plow-handles and the rear portion of the plow-beam. The inclined connecting device which supports the plow-handles at the desired elevation extends downward and forward from the cross bar or rung of the handles to the rear end of the plow-beam, whereby the latter is securely held in its adjusted position.

It will be seen that the plow-handles are pivotally and adjustably connected to the plow-beam and that they are capable of being quickly adjusted to raise and lower them to arrange the plow-handles to suit a man or boy. The plow-handles and the adjusting device are connected with the plow-beam by the fastening devices employed for connecting the standards and the rear brace to the same, and they do not necessitate any alteration in the construction of the plow and are applicable to all kinds of plows, one-horse cultivators, and similar implements having a beam and handles. Also by adjusting the plow-handles to suit the height of a person a plow or other implement may be handled with greater ease and to greater advantage.

What is claimed is—

1. In a device of the class described, the combination with a plow-beam; of standards arranged at opposite sides of the beam, plow-handles pivotally connected with the standards and provided with a rung, an adjustable brace located above the beam and extending downwardly and forwardly from the rung and hinged to the same and to the beam and composed of two sections adjustably secured together between the ends of the brace, a clamping device mounted on the adjustable brace

and engaging the rung, whereby the brace and the rung are rigidly connected, a lower brace connected with the beam and with the standards, and fastening means piercing the lower brace and the beam and connected with the upper brace and securing the same to the beam, substantially as described.

2. In a device of the class described, the combination with a plow-beam, of handles pivotally connected to the beam and having a rung, a cuff mounted on the rear end of the beam and having perforated sides, an inclined adjustable connecting device or brace located in rear of the handles and composed of upper and lower bars provided at their outer ends with eyes arranged respectively on the rung and in the cuff, the inner end of one bar being slotted, a fastening device mounted on the inner portion of the other bar and member and operating in the slot, a pivot carried by the cuff and passing through the lower eye of the adjusting device or brace, and a clamping device mounted on the upper eye of the adjusting device or brace and clamping the rung, whereby the parts are rigidly connected, substantially as described.

3. In a device of the class described, the combination with a plow-beam, standards arranged at opposite sides of the beam and extending above the same and provided with fastening devices arranged above and below the said beam, and an inclined brace extending rearward from the standards and provided at its upper end with a fastening device passing through the beam, of handles pivoted to the upper ends of the standards by one of the fastening devices thereof, a cuff secured to the rear end of the beam by the fastening device of the brace, a rung connecting the handles and an adjustable brace pivoted to the cuff and hinged to the handles by the rung and provided with means for adjustably fixing it to the latter, substantially as described.

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

JOHN REEL.

Witnesses:

EUSTACE W. PINSON,  
R. EMMETTE CARTER.