

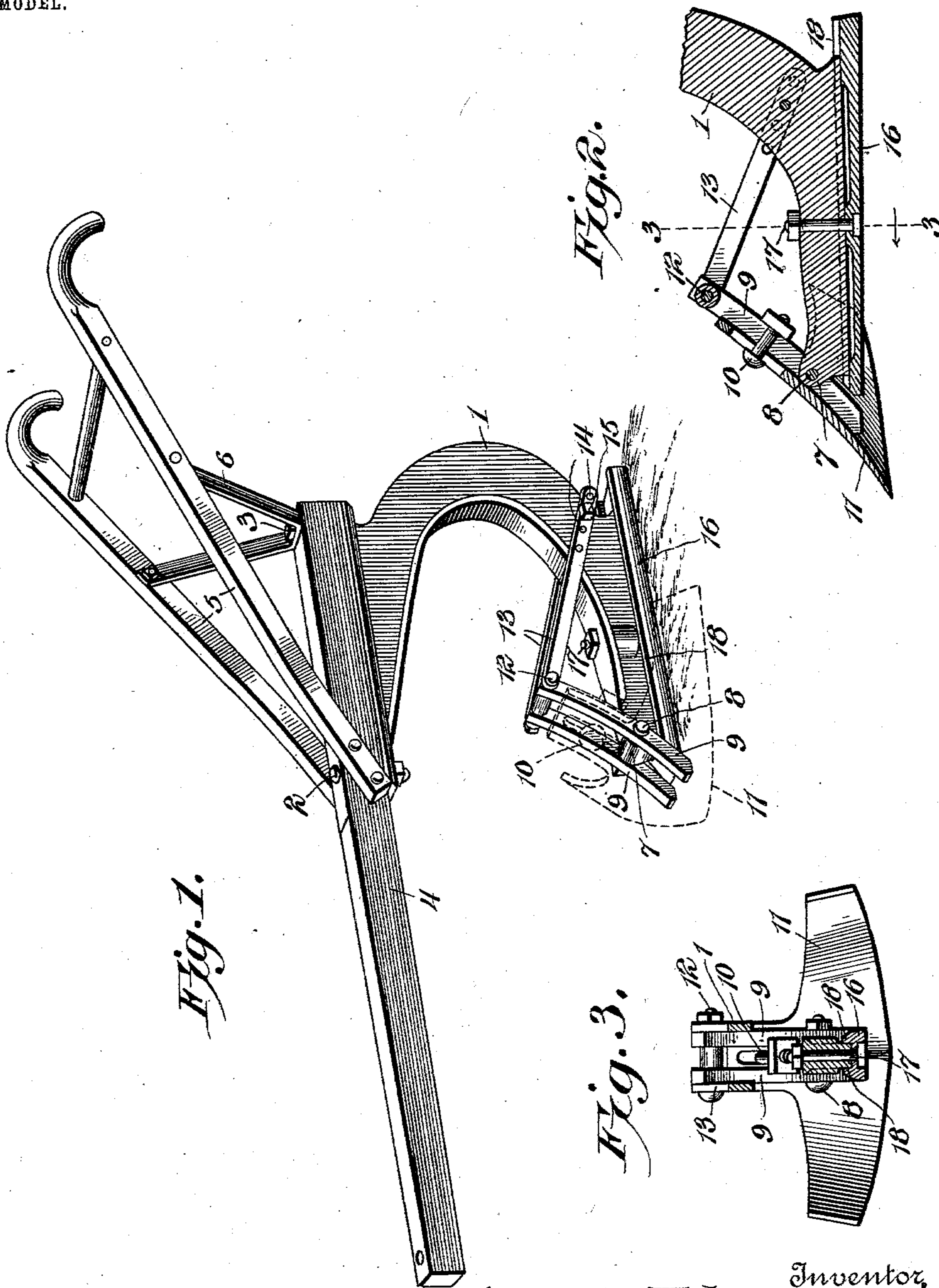
No. 753,478.

PATENTED MAR. 1, 1904.

G. L. EDGERTON.  
PLOW.

APPLICATION FILED MAR. 10, 1903.

NO MODEL.



Witnesses  
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# UNITED STATES PATENT OFFICE.

GEORGE L. EDGERTON, OF RAEFORD, NORTH CAROLINA.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 753,478, dated March 1, 1904.

Application filed March 10, 1903. Serial No. 147,133. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE L. EDGERTON, a citizen of the United States, residing at Raeford, in the county of Cumberland and State of North Carolina, have invented a new and useful Plow, of which the following is a specification.

The invention relates to improvements in plows.

10 The object of the present invention is to improve the construction of plows, more especially the manner of mounting the point, shovel, or blade, and to enable the latter to be readily set at the desired inclination and at  
15 the proper depth.

A further object of the invention is to provide a plow of this character in which the inclination and the depth of the point, blade, or shovel may be changed to arrange it to  
20 suit the size of the plants under cultivation.

Another object of the invention is to provide a construction adapted to be applied to any ordinary plow-beam and capable of receiving various kinds of blades, points, or  
25 shovels, to adapt a plow for cultivating various kinds of plants, and to enable one plow to be employed for cultivating different plants.

Furthermore, it is the object of the present invention to provide a plow in which the  
30 point, shovel, or blade will be offset from the plow-beam to provide an open space above the said point, shovel, or blade to prevent the plow from becoming choked.

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

45 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 transverse sectional view on the line 3 3 of Fig. 2.

50 Like numerals of reference designate corre-

sponding parts in all the figures of the drawings.

1 designates a plow-standard constructed of cast metal or other suitable material and secured by bolts 2 and 3 to the plow-beam 4 of  
55 the ordinary construction, and said standard and the improvements hereinafter described are adapted to be readily applied to any ordinary plow-beam. The plow is provided with the usual handle-bars 5, secured at their  
60 lower ends to the plow-beam at opposite sides thereof and supported by suitable braces 6, located at the rear end of the beam, as clearly shown in Fig. 1; but the plow-handles may be  
65 constructed and arranged in any desired manner, as will be readily understood. The standard, which is approximately U-shaped, is provided at the front end of its lower side or portion with an eye 7 for the reception of a bolt 8  
70 or other suitable pivot, which connects bars 9 of an adjustable support to the said standard. The bars 9, which are located at opposite sides of the front portion or toe of the standard, are provided between their ends with perforations  
75 to receive the bolt 8 and are spaced apart for the reception of a clamping-bolt 10 or other suitable fastening device for securing a cultivator-blade 11 to the support. The cultivator  
80 blade, point, or shovel may be of any desired configuration to adapt the plow for cultivating cotton, potatoes, watermelons, and various other plants, and the bolt may be readily changed to enable one plow to be employed  
85 for cultivating a variety of plants. The bars 9 of the adjustable support are adapted to be oscillated to arrange the cultivator-blade at the desired inclination to adapt the plow for  
90 operating on the plants under cultivation. The blade may have its upper portion tilted backward, so that its front or earth-engaging portion will penetrate the soil but slightly to adapt the plow for operating on young plants,  
95 and as the plants increase in size the front or earth-engaging portion of the blade may be depressed by swinging the upper portion of the same forward. By this operation the depth at which the plow operates is increased and the desired throw of the soil is obtained.

The upper ends of the parts or members 9 of the support are perforated for the recep-  
100

tion of a pivoted bolt 12, which connects the bars 9 to the forward ends of a pair of adjustable connecting-bars 13, arranged at opposite sides of the standard and adjustably connected to the same. The bars 13 are provided at their rear ends with perforations 14, arranged at intervals and adapted to receive a bolt 15, which also passes through a suitable perforation of the standard, as clearly illustrated in Fig. 2 of the drawings. By this construction the connecting-bars 13 may be moved backward or forward, and they are capable of firmly holding the bars 9 of the support at the desired adjustment.

A sole-plate 16 is secured to the lower face of the standard by an upright bolt 17, which passes through perforations of the plate 16 and the lower side of the standard. The sole-plate is provided with upwardly-extending longitudinal flanges 18, forming a groove at its upper face for the reception of the bottom of the standard.

It will be seen that the cultivator shovel, blade, or point is adapted to be adjusted upward and downward on the bars 9 of the adjustable support to arrange the blade or shovel

at the desired depth and that the inclination of the blade or shovel may be changed by swinging the bars 9 on their pivot and that by these adjustments the plow may be readily arranged to run at the desired depth and to suit the size of the plants under cultivation.

What I claim is—

The combination with a plow having an approximately U-shaped standard, of a pair of supporting-bars pivoted between their ends to the standard and extending above the lower portion of the same and spaced apart to receive the clamping device of a cultivator blade or point, and a pair of connecting-bars pivoted to the upper portions of the said supporting-bars and extending rearward to the standard and provided with means for adjustably securing them to the opposite sides of the same, 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.

GEO. L. EDGERTON.

Witnesses:

JOHN H. SIGGERS,  
H. F. RILEY.