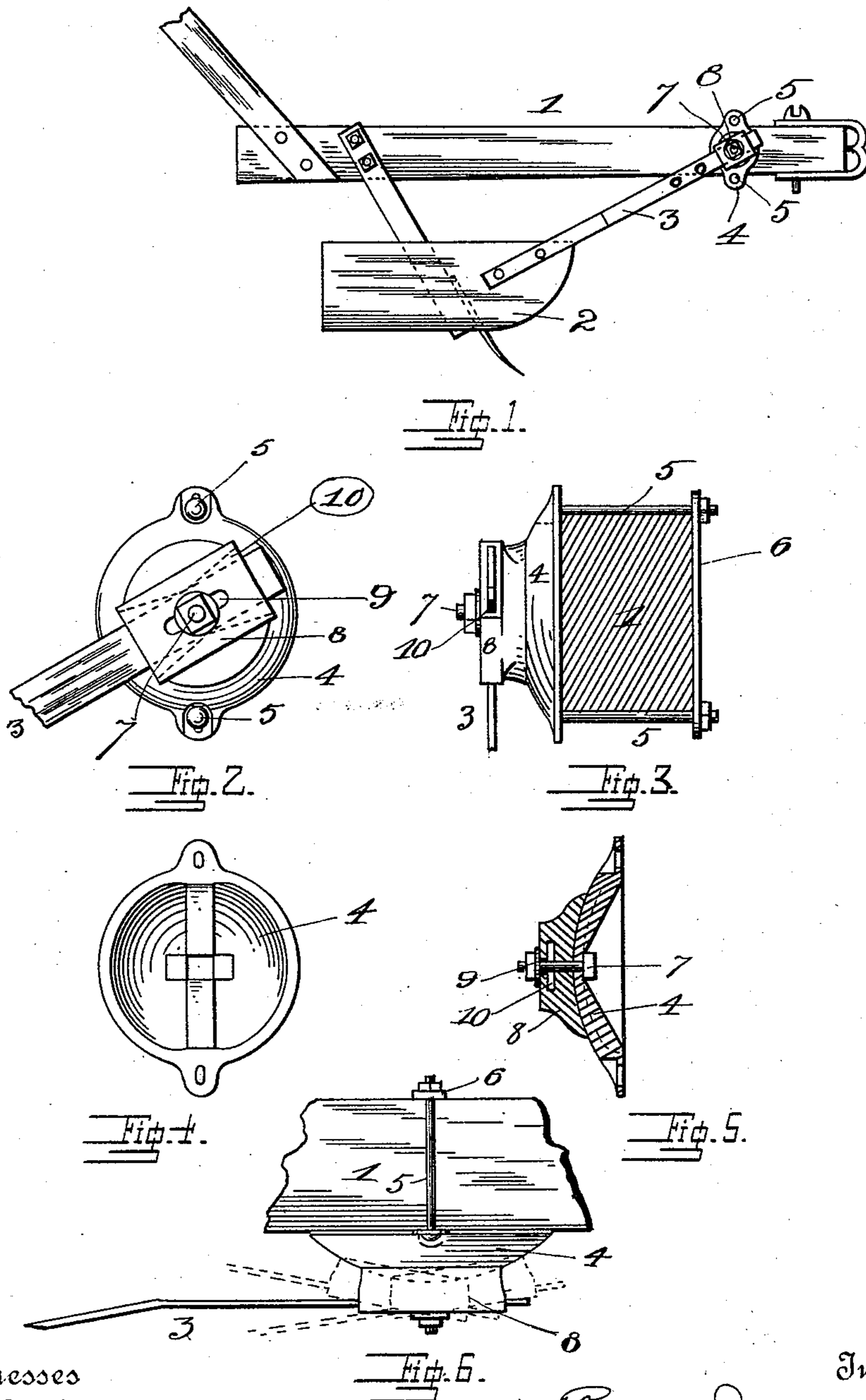


(No Model.)

R. JONES.  
PLANT FENDER.

No. 478,074.

Patented June 28, 1892.



Witnesses

L. F. Hayden  
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# UNITED STATES PATENT OFFICE.

REUBEN JONES, OF ATLANTA, GEORGIA.

## PLANT-FENDER.

SPECIFICATION forming part of Letters Patent No. 478,074, dated June 28, 1892.

Application filed November 17, 1891. Serial No. 412,234. (No model.)

*To all whom it may concern:*

Be it known that I, REUBEN JONES, of Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in Plant-Fenders; 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, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

In the invention especial view has been had to getting the requisite adjustment of the fender relatively to the plow in as great a degree and the greatest facility possible, as well as producing a device of the class mentioned which will not be rendered inoperative by exposure, to which farming implements are frequently subjected, the details of construction whereby these ends are attained being hereinafter fully specified.

In the accompanying drawings, Figure 1 is a side elevation of the device, showing it in the position it would assume in working—that is, resting on the top of the ground—the means whereby it is attached to the beam being shown. Fig. 2 is an enlarged face view of the attaching device, showing a portion of the backwardly-extending pivoted bar or arm which carries the fender-plate. Fig. 3 is a section through the plow-beam, showing a front view of the device. Fig. 4 is a back view, being a view of the opposite side of the device from that shown in Fig. 2, the strap and its bolts being removed. Fig. 5 is a vertical section of the device as it would appear when the backwardly-extending bar stands horizontally. Fig. 6 is a plan of the device, showing by dotted lines the adjustments in common use and further showing the construction of the device.

In the figures like reference-marks are employed in the designation of corresponding elements of construction.

The beam 1 and, in fact, the entire plow may be of any form desired, so long as it is capable of having attached to it the various parts forming this invention.

The device is composed of the fender-plate 2, of any approved form, and an arm 3, secured pivotally or rigidly to said plate and extend-

ing forwardly to the attaching and adjusting device, which will now be described.

The plate 4, which is held against the beam 55 and from movement in any direction by two bolts 5, passing across the beam 1 and through the perforated ends of the strap 6, is flat or concaved on its back side and convex on its front side. The back is preferably concave, 6c inasmuch as it will then settle to a good bearing upon the beam, and be thus less liable to displacement under strain, and also the head of the bolt 7 will be provided for. Resting upon the convex face of the casting is a block 65 or other casting 8, which is concaved on its back side to conformation to the said face and is slotted longitudinally, said slot being indicated in the drawings by the numeral 9 and being clearly shown, together with the 70 longitudinal recess 10, in Fig. 2. This recess 10 is at a right angle to the slot 9 and is preferably tapered from its middle to each end, which provides for vertical motion of the bar 3 therein upon the bolt 7, allowing the fender-plate to pass over rough ground on its 75 surface, said bolt passing through the perforated end of the said bar. One or more of these perforations 11 may be made in the front end of said bar, as shown in Fig. 1, and 80 by this means a forward and back adjustment of the fender-plate may be had, although this adjustment is not common, nor is it at present considered necessary, inasmuch as the securing device will at all times be set 85 upon the beam in such a position as will bring the plate alongside the plow in the proper position.

When it is desired to use a fender on each side of the plow, all that is necessary is to 90 substitute a fender and its attaching device for the strap 6.

By loosening the bolts 5 the device may be moved longitudinally upon the beam, affording a quick and easy adjustment, to which 95 adjustment, however, the same remarks may be made as upon the holes in the forwardly-extending arm 3.

In attaching this device there are no holes to be bored through the beam, and hence the 100 device can be instantly added to a plow and as readily transferred to another; also, the beam retains its maximum strength after attachment.

By loosening the bolt 7 the casting 8 may be moved within the limit of the slot 9, which will affect the arm 3, as shown in Fig. 6, and hence throw the plate 2 to or from the plow with the resultant effect upon the work in process.

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

10 In a device of the class specified, the convex-faced plate, a casting conforming to said convex face and having a transversely-ex-

tending slot and longitudinally-extending recess, a perforated arm inserted in said recess, and a bolt passing through said plate, slot, 15 and the perforation in the said arm, and a plate secured to the back end of said arm, substantially as and for the purpose specified.

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

REUBEN JONES.

Witnesses:

A. P. WOOD,

EDW. P. WOOD.