J. P. EVANS & J. B. WEST.

ROAD GRADER AND DITCHER.

APPLICATION FILED JUNE 7, 1909.

960,296.

Patented June 7, 1910.

2 SHEETS—SHEET 1.

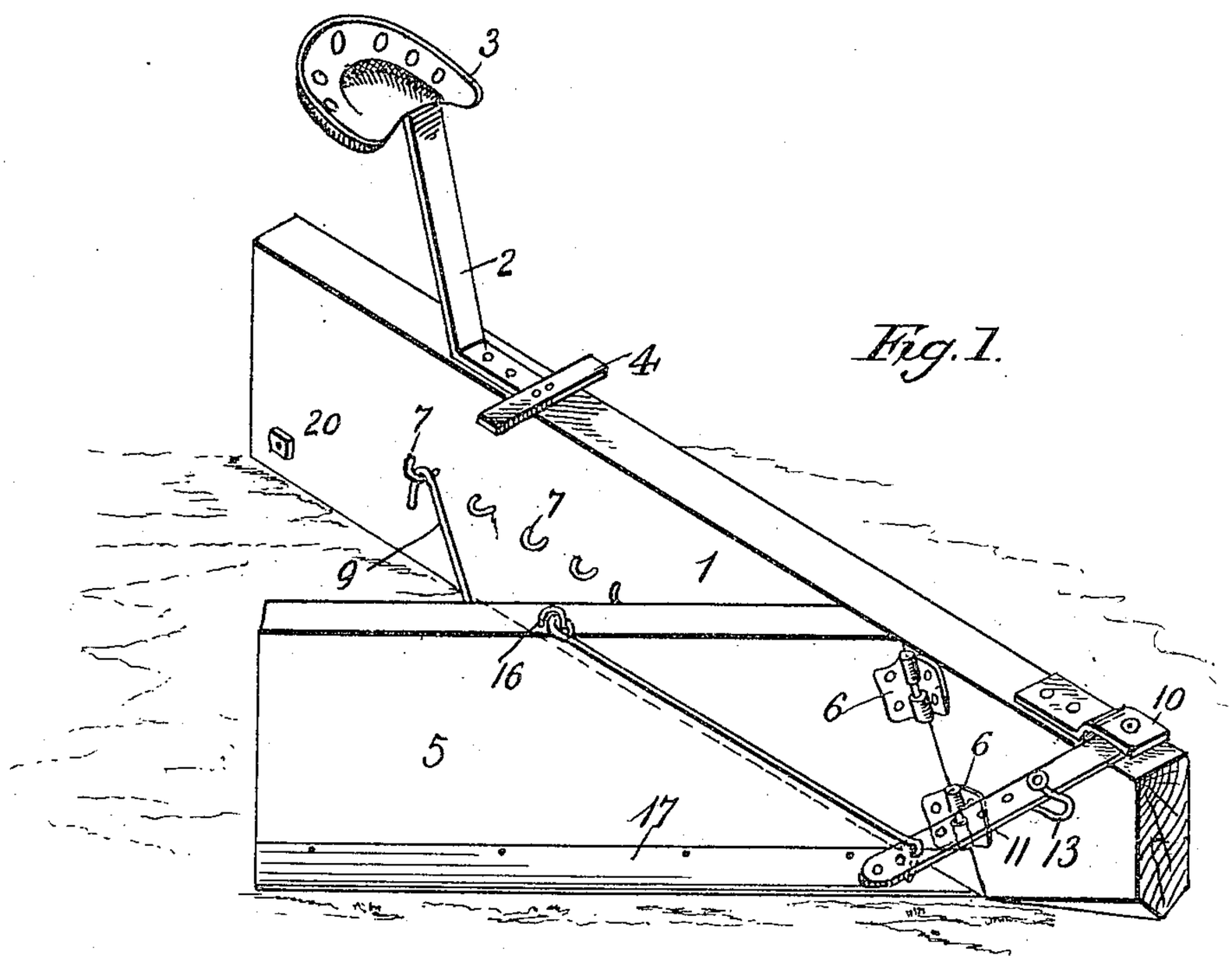


Fig. 1.

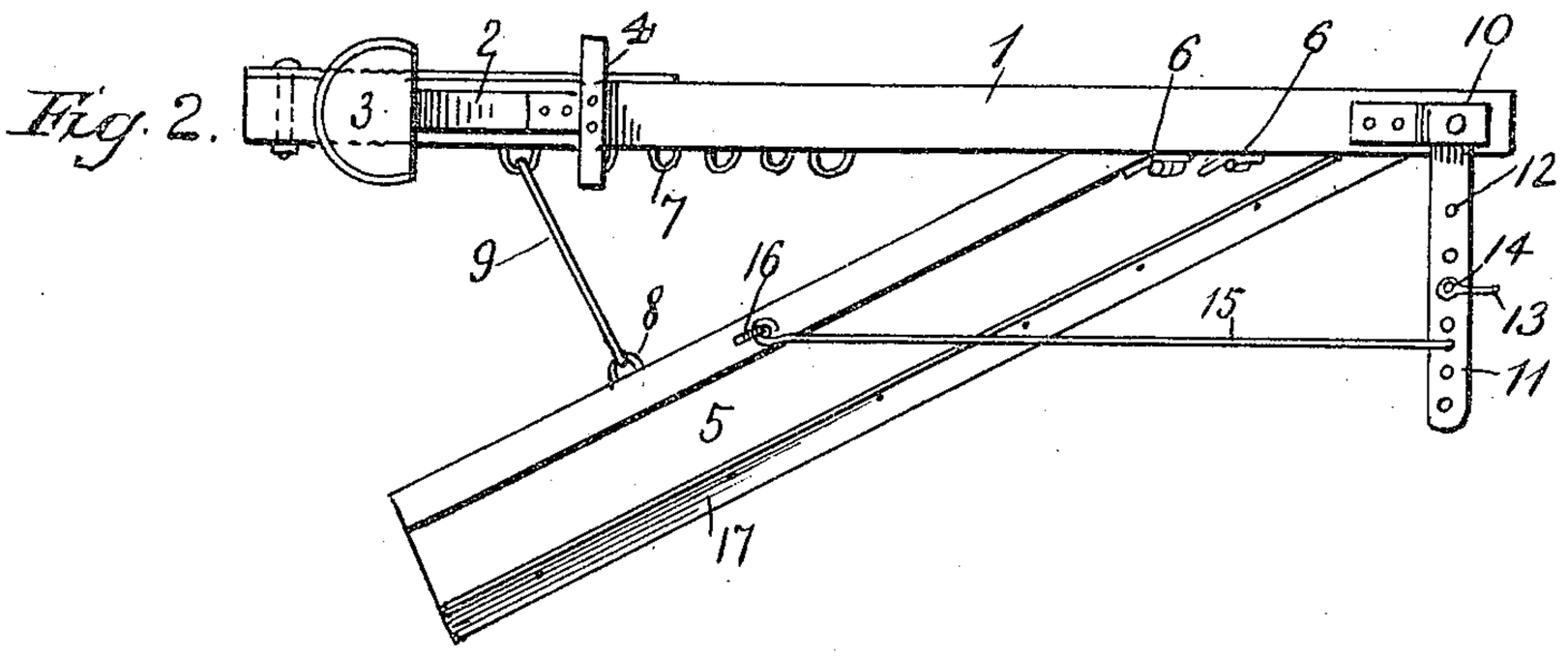
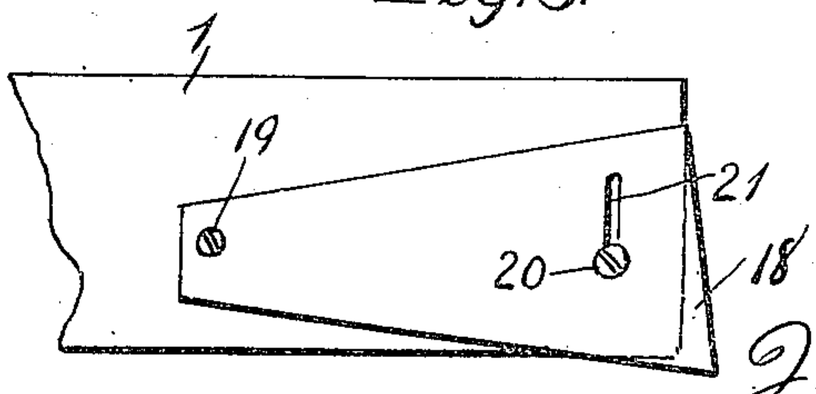


Fig. 3.



Witnesses

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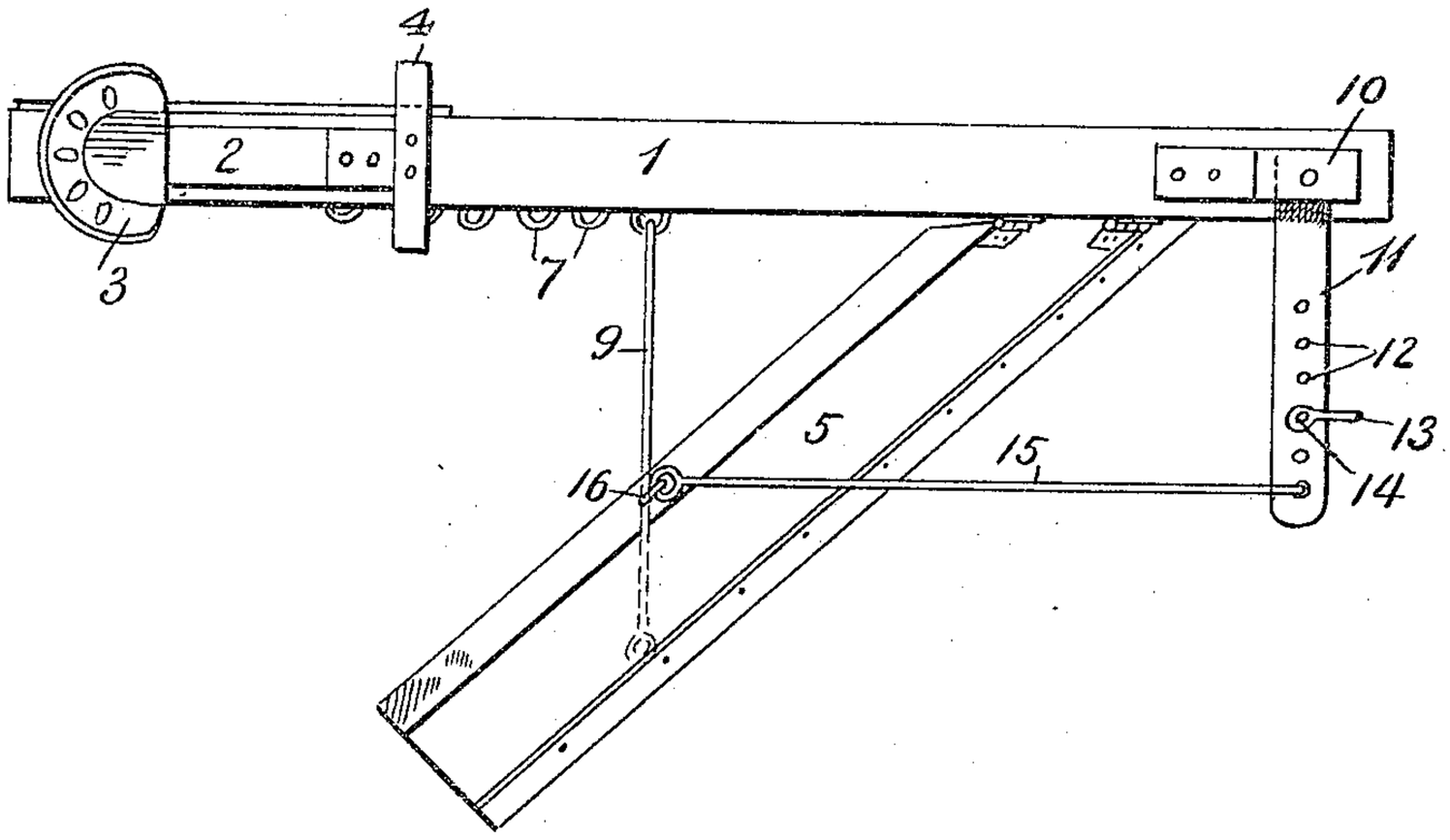
2 SHEETS—SHEET 2.

Fig. 4



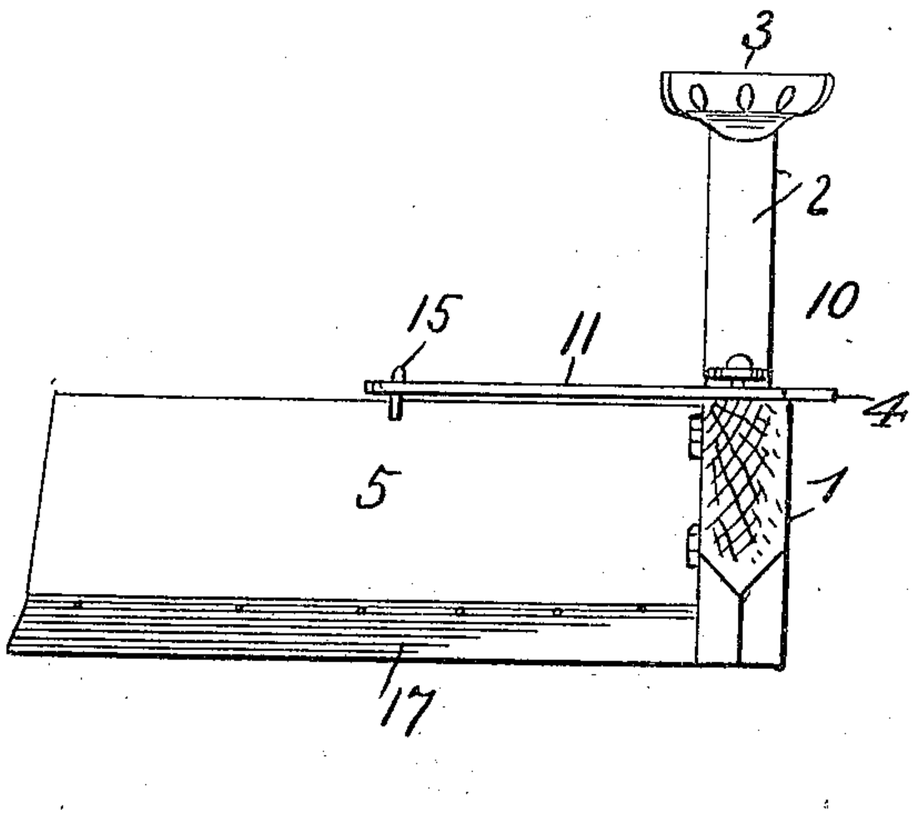


Fig. 5

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UNITED STATES PATENT OFFICE.

JESSE P. EVANS AND JUNIUS B. WEST, OF BARTON, ARKANSAS; SAID EVANS ASSIGNOR TO SAID WEST.

ROAD-GRADER AND DITCHER.

960,296. Specification of Letters Patent. Patented June 7, 1910.

Application filed June 7, 1909. Serial No. 500,605.

To all whom it may concern:

Be it known that we, JESSE P. EVANS and JUNIUS B. WEST, citizens of the United States, residing at Barton, in the county of Phillips and State of Arkansas, have invented certain new and useful Improvements in Road-Graders and Ditchers, of which the following is a specification.

Our invention has relation to an improved road-grader and ditcher and the main object of the device is to produce an improvement of the type indicated whose dirt-spreader is adjustable.

Another object of this invention is to provide an adjustable draft appliance, which may be adapted to suit any one of the various angles which may be assumed by the dirt-spreader in relation to the furrow-runner.

Another object of our device is to provide a substantial seat for the operator.

A minor object of our invention is to provide an adjustable cutter to be held to the outer face of the furrow-runner.

With these and other objects in view our invention consists of the novel construction and arrangement of parts as are fully described hereinafter, shown in the accompanying drawings which are for illustrative purposes only and particularly brought forth in the appended claim.

The objects are attained by virtue of the construction of this invention, which construction is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of our invention. Fig. 2 is a top plan view of the device, the dirt-spreader being arranged at a similar angle as the arrangement shown in the above figure. Fig. 3 is a detail. Fig. 4 is a top plan view of the invention, showing the dirt spreader at the greatest angle that it may assume in relation to the furrow-runner. Fig. 5 is a front end view of our device.

Our invention is described as follows:

The furrow-runner 1 has provided near the rear end thereof a suitable seat support 2, at the upper end of which is formed a seat 3. At the base of said support is a foot rest 4. A dirt-spreader 5 is pivotally held at its inner end to one side of said furrow-runner by means of suitable hinges 6. A plurality of eyelets 7 are arranged in a longitudinal row to the same side of the runner to which the spreader is connected. Connected to the inner face of said spreader by means of an eyelet 8 is a hooked rod 9, the hooked portion of which is adapted to engage any one of the plurality of eyelets 7. Thus the spreader may be adjusted at any angle in reference to the furrow-runner between those indicated in Figs. 1 and 4 respectively.

Pivotally held to the forward end of said runner by means of a suitable bearing 10 is a draft bar 11 which is provided with a plurality of perforations 12 passing therethrough. A clevis 13 is held to said bar by means of a pin 14 passing therethrough and one of the perforations of the bar. A hooked rod 15 engages said draft bar by means of the hooked portion thereof being inserted into one of said perforations 12, the angle at which the spreader 5 is arranged in relation to the runner determining that perforation into which the hooked portion is inserted. The rear end of said rod 15 is secured to said dirt-spreader by means of an eyelet 16, or any other suitable means of connection. A metallic strip 17, is secured to the lower outer edge of said spreader. A cutter 18 is adjustably held to the outer face of the furrow-runner near its rear end. The means employed for this purpose consists in a screw 19, nut and bolt connection 20 and a substantially vertical slot 21, which is cut in said cutter, said slot receiving said bolt 20. This cutter prevents the rear end of the furrow-runner from swerving or swinging to the left when our device is working. The forward end of the runner is slightly wedge shaped, the purpose of which will be obvious.

Although we have specifically described the construction of this invention, yet we may reserve and exercise the right to make such changes therein as do not depart from the scope of the appended claim, and as will appear to be necessary in the manufacture thereof.

Having described our invention, what we claim as new, is:

In a road grader and ditcher of the class described the combination of a furrow-runner with means to prevent the runner from leaving its course, said means consisting of a slotted plate, pivotally held to one of the faces of the runner at the rear end thereof,

said plate extending somewhat in the rear of the runner and terminating in a point, which is adapted to cut the ground, means passing through a vertically disposed slot in said plate whereby the same may be adjusted in whatever vertical position that is desired.

In testimony whereof we affix our signatures, in presence of two witnesses.

JESSE P. EVANS.
JUNIUS B. WEST.

Witnesses:
O. E. HAUSELMANN,
R. E. HOWARD.