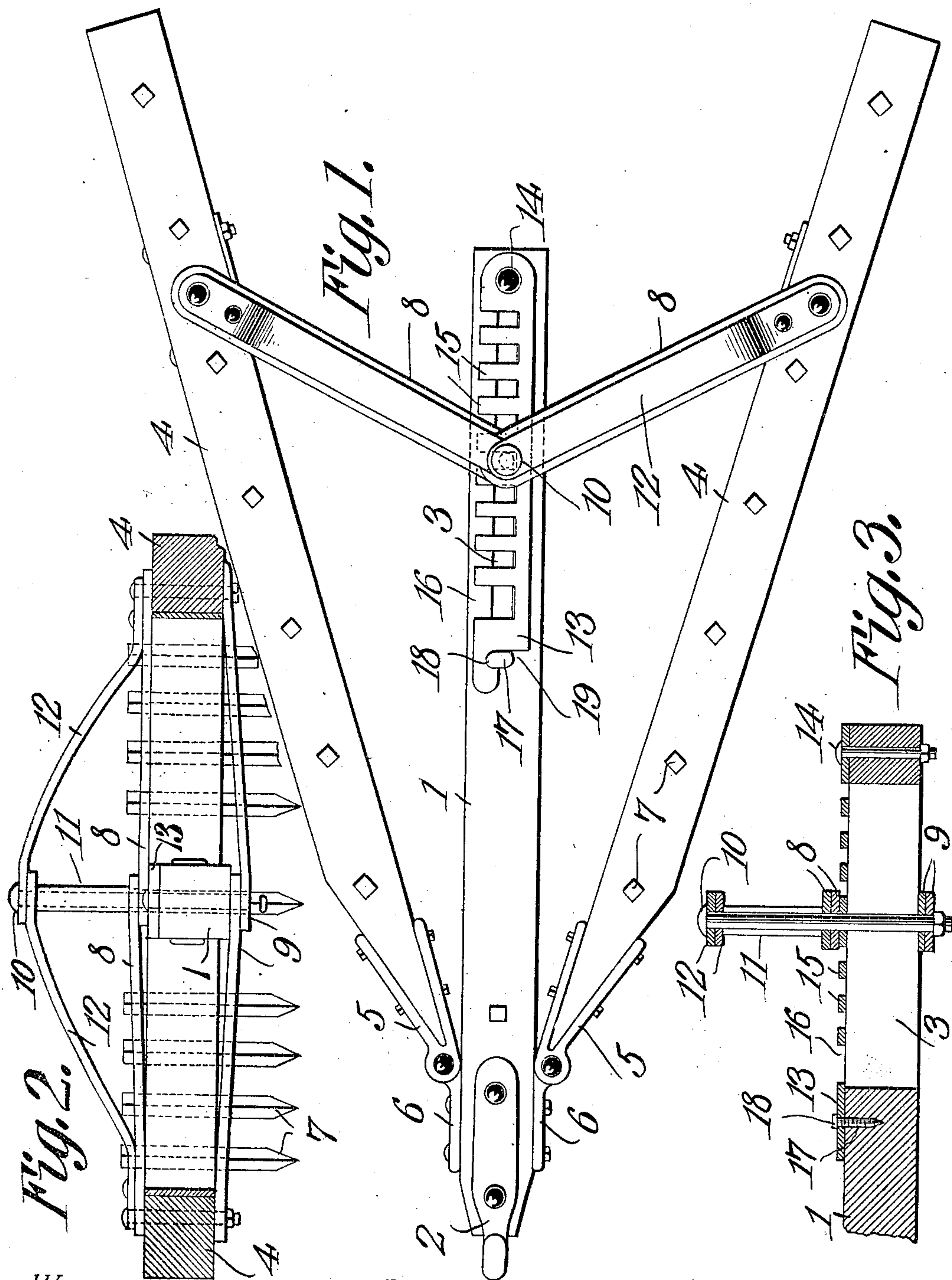


No. 837,292.

PATENTED DEC. 4, 1906.

L. W. FAIR.
HARROW.

APPLICATION FILED JULY 25, 1906.



WITNESSES:

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LEWIS W. FAIR, OF WALDRON, ARKANSAS.

HARROW.

No. 837,292.

Specification of Letters Patent.

Patented Dec. 4, 1906.

Application filed July 25, 1906. Serial No. 327,711.

To all whom it may concern:

Be it known that I, LEWIS W. FAIR, a citizen of the United States, residing at Waldron, in the county of Scott and State of Arkansas, have invented a new and useful Harrow, of which the following is a specification.

This invention has relation to harrows; and it consists in the novel construction and arrangement of its parts, as hereinafter shown and described.

The object of the invention is to provide a harrow having pivoted wings which carry the teeth. The outer ends of links are pivoted to the said wings. The inner ends of said links are pivotally attached to a vertically-extending pin. Said pin passes through an elongated slot provided in the rear end of the harrow-beam. A plate is pivotally attached to the rear end of said beam and is provided in one side with a series of teeth. The spaces between the teeth are adapted to receive said pin, and thus the position of the said pin is fixed along the longitudinal axis of the said beam. A means is provided upon the beam for retaining the forward end of said plate.

In the accompanying drawings, Figure 1 is a top plan view of the harrow. Fig. 2 is a cross-section of the same. Fig. 3 is a longitudinal section of the rear portion of the beam.

The beam 1 is provided at its forward end with the usual clevis 2 and near its rear end with the elongated slot 3, which is located in the central longitudinal axis of the said beam. The wings 4 4 are provided at their forward ends with the hinged members 5, which in turn are attached to the hinged members 6, fixed to the sides of the said beam 1. The said wings 4 are provided with the usual spike harrow-teeth 7. The links 8 8 are pivotally attached at their outer ends to the upper edges of the wings 4, and the links 9 9 are pivotally attached at their outer ends to the lower edge of the said wings 4. The pin 10 extends vertically through the slot 3, and the inner ends of the links 8 and 9 are pivotally attached to the said pin, the inner ends of the wings 8 being located on top of the beam 1 and the inner ends of the links 9 being located below the said beam 1.

The collar 11 is located upon the upper portion of the pin 10. The braces 12 are fixed at their outer ends to the links 8 and extend up and are pivoted at their inner ends to the upper end of the pin 10, the collar 11 be-

ing interposed between the inner ends of the braces 12 and the links 8.

The plate 13 is pivotally attached at the point 14 to the rear end of the beam 1. Said plate is provided in one edge with a series of teeth 15, the spaces between which are adapted to receive the pin 10, and thus the said pin is positioned along the central longitudinal axis of the beam 1. The forward portion of the plate 13 is provided with the enlarged recess 16, which is adapted to receive the said pin 10 when the wings 4 are swung in close to the sides of the beam 1. The catch 17 is attached to the beam 1 and is provided with the laterally-extending head or portion 18. The forward end of the plate 13 is notched, as at 19, and the side of the said notch 19 is adapted to slip under the head 18 of the catch 17. Thus the said plate 13 is held against rotation. In order to adjust the position of the pin 10 in the slot 3, the notched end of the plate 13 is swung away from the catch 17 until the edge of the notch 19 clears the end of the head 18, when the free end of the said plate is lifted above the end of the catch 17 and the said end of the said plate is swung to one side until the ends of the teeth 15 are beyond the side of the slot 3. The said pin 10 may then be moved longitudinally of the said slot and through the links 8 and 9 and braces 10. The said wings will be swung away from each other or toward each other, according to the direction in which the pin 10 is moved in the slot 3. When the said wings 4 4 are properly positioned with relation to each other, the said plate 13 is swung back into its original position in engagement with the catch 17, when the pin 10 will be received in one of the spaces between the teeth 15 and securely held.

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

1. A harrow comprising a beam, wings hinged to the beam, said beam having an elongated slot, a pin located in said slot, links pivotally attached to the pin and to the wings, and means for retaining said pin in fixed position longitudinally of the slot.

2. A harrow comprising a beam, wings hinged to the beam, said beam having an elongated slot, a pin located in said slot, links connecting said pin with the wings, a plate pivoted to the beam and having teeth, a catch attached to the beam and adapted to retain

the free end of said plate the spaces between the teeth being adapted to receive said pin.

3. A harrow comprising a beam, wings hinged to the said beam, said beam having an elongated slot, a pin located in said slot, links 5 pivotally connecting said pin with the wings, a plate pivoted to the beam and having at one edge a series of teeth and near its forward end an elongated recess, the space between 10 the teeth adapted to receive said pin, and means attached to the beam for retaining the free end of said plate.

4. A harrow comprising a beam, wings hinged thereto, a pin adapted to move longi- 15 tudinally of said beam, means for retaining

said pin in fixed position relative to the beam, links pivotally connecting said pin with the wings, braces attached at their ends to said links and pivotally connected at their inner ends to said pin, a collar surrounding said pin 20 and being interposed between the inner ends of said braces and said links.

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

LEWIS W. FAIR.

Witnesses:

WM. E. BAKER,
NEWTON S. DOUGHTY.