

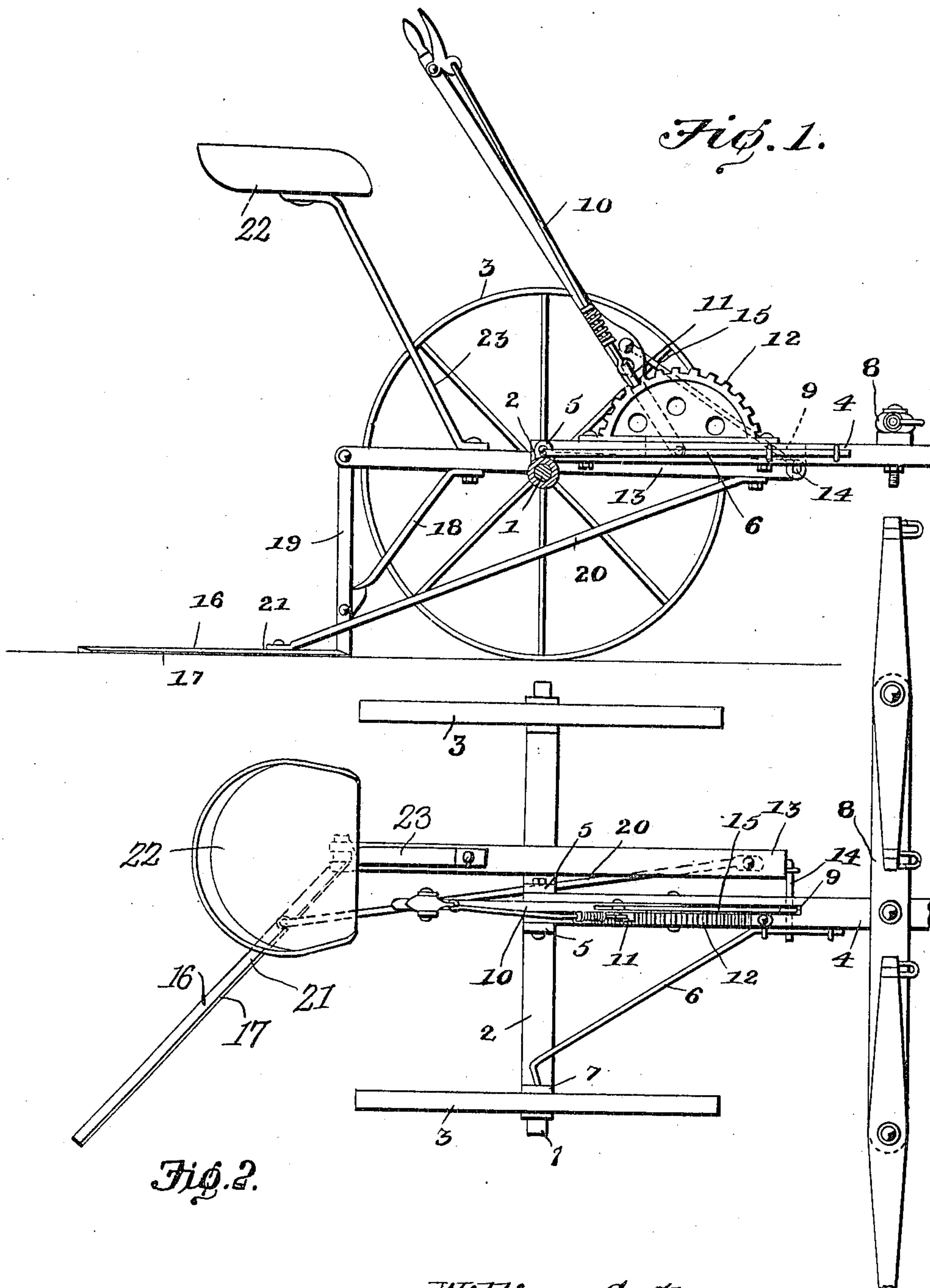
No. 831,689.

PATENTED SEPT. 25, 1906.

W. C. STEVENSON.

STALK CUTTER.

APPLICATION FILED JUNE 28, 1906.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM CROOK STEVENSON, OF CORPUS CHRISTI, TEXAS, ASSIGNOR OF
ONE-HALF TO ALEX. WEIL, OF CORPUS CHRISTI, TEXAS.

STALK-CUTTER.

No. 831,689.

Specification of Letters Patent.

Patented Sept. 25, 1906.

Application filed June 28, 1906. Serial No. 323,778.

To all whom it may concern:

Be it known that I, WILLIAM CROOK STEVENSON, a citizen of the United States, residing at Corpus Christi, in the county of Nueces and State of Texas, have invented a new and useful Stalk-Cutter, of which the following is a specification.

This invention has relation to stalk-cutters; 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 stalk-cutter of special construction. The tongue to which the draft-animals are attached is pivotally connected with the axle supporting the cutting-blade. A lever-link connection is provided between the tongue and the cutting-blade, whereby the latter may be adjusted vertically at will.

The special features of construction will be pointed out hereinafter.

In the accompanying drawings, Figure 1 is a side elevation of the stalk-cutter. Fig. 2 is a top plan view of the same.

The axle 1 is located in the sleeve 2 and projects beyond the ends thereof. The wheels 3 3 are mounted upon the axle 1 and bear at their hubs against the ends of the sleeve 2. The tongue 4 is pivoted at its rear end between the lugs 5 5 to the sleeve 2. The brace 6 is attached at its forward end to the tongue 4 and at its rear end enters a perforation in the lug 7, located upon the sleeve 2. At a point behind the tree 8 the said tongue is provided with a longitudinally-extending vertically-disposed opening 9. The lever 10 is fulcrumed at its lower end in the said opening 9 and is provided with the spring-actuated pawl 11 of usual construction. The gear-segment 12 is located upon the upper surface of the tongue at the side of the opening 9 and is so positioned as to receive the end of the pawl 11, carried by the lever 10. The stub 13 is attached to the sleeve 2 and extends at right angles to the longitudinal axis thereof. Said stub is located to one side of the middle of the said sleeve and is generally horizontally disposed. The laterally-extending rod 14 is attached to the forward end of the stub 13. The end of the said rod passes under the opening 9 of the tongue 4. The link 15 is attached at its upper end to the lever 10 and at its lower end to the rod 14. The blade 16 consists of a me-

tallic strip having substantially rectangularly-disposed ends. Said blade is attached at one end to the end of the stub 13, and its other end portion is provided with a cutting edge 17. The portion of the blade 16 having the edge 17 extends at an angle to the tongue 4 and the line of the draft of the implement. Consequently as the implement is drawn over the ground and the cutting edge 17 engages the stalks the same are severed by a shearing cut.

The brace 18 is attached at one end to the stub 13 and at its other end to the vertical section 19 of the blade 16. The brace 20 is attached at one end to the stub 13 in advance of the sleeve 2 and at its other end to the horizontal section 21 of the blade 16. The seat 22 is supported upon the seat-post 23, the lower end of which is attached to the stub 13. The upper end of the lever 10 is within convenient operating distance of the seat 22.

It is obvious that as the implement is drawn over the ground the operator may by the manipulation of the lever 10 pitch the stub 13 at any desired angle with relation to the tongue 4. As the rear end of the said stub is elevated or depressed the blade 16 is correspondingly raised or lowered and its vertical working position is thus adjusted. By throwing the free end of the said lever 10 forward as far as possible the blade 16 is elevated to such an extent as to clear the ground and usual objects located thereon, and thus the implement may be drawn along roads or from field to field without interfering with such objects.

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

1. A stalk-cutter consisting of a wheel-supported axle, a tongue pivotally connected at its end with said axle, a stub located upon the axle and extending at right angles to the longitudinal axis thereof, a blade having a horizontally-disposed cutting edge attached to said stub, a lever fulcrumed upon the tongue, a link connecting said lever with said stub.

2. A stalk-cutter consisting of a wheel-supported axle, a tongue pivotally connected at its rear end to said axle, a stub located upon the axle and extending at right angles to the longitudinal axis thereof, a blade having a horizontally-disposed cutting edge at-

tached to said stub, the cutting edge of the said blade in horizontal plane being located at an angle to the line of draft of the implement; a lever fulcrumed upon the tongue, a link connecting said lever with said stub.

3. A stalk-cutter consisting of a wheel-supported axle, a tongue pivotally connected at its rear end to said axle, a stub located upon the axle and extending at right angles to the longitudinal axis thereof, a blade having vertical and horizontal portions, the vertical portion being attached to said stub and the horizontal portion being disposed at an angle to the line of draft of the implement, a brace connecting the vertical portion of the blade with the rear portion of the stub, a brace connecting the horizontal portion of the blade with the forward part of the stub, a lever fulcrumed upon the tongue, and a link connecting said lever to the forward end of the stub.

4. A stalk-cutter consisting of a wheel-

supported axle, a sleeve receiving said axle, a tongue pivoted at its rear end to said sleeve, a cutting-blade supported by an extension of the sleeve, a lever fulcrumed upon the tongue and being operatively connected with an extension of the said sleeve.

5. A stalk-cutter consisting of a wheel-supported axle, a sleeve receiving the same and bearing at its ends against the hubs of the wheels, a tongue pivoted at its rear end to said sleeve, a cutting-blade carried by an extension of the sleeve, a lever fulcrumed to the tongue and being operatively connected with the lateral extension carried by the sleeve.

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

WILLIAM CROOK STEVENSON.

Witnesses:

J. M. BARRERA,
MOISE WEIL.