

No. 630,947.

Patented Aug. 15, 1899.

J. E. TERRELL.
STALK CUTTER.

(Application filed Apr. 29, 1899.)

(No Model.)

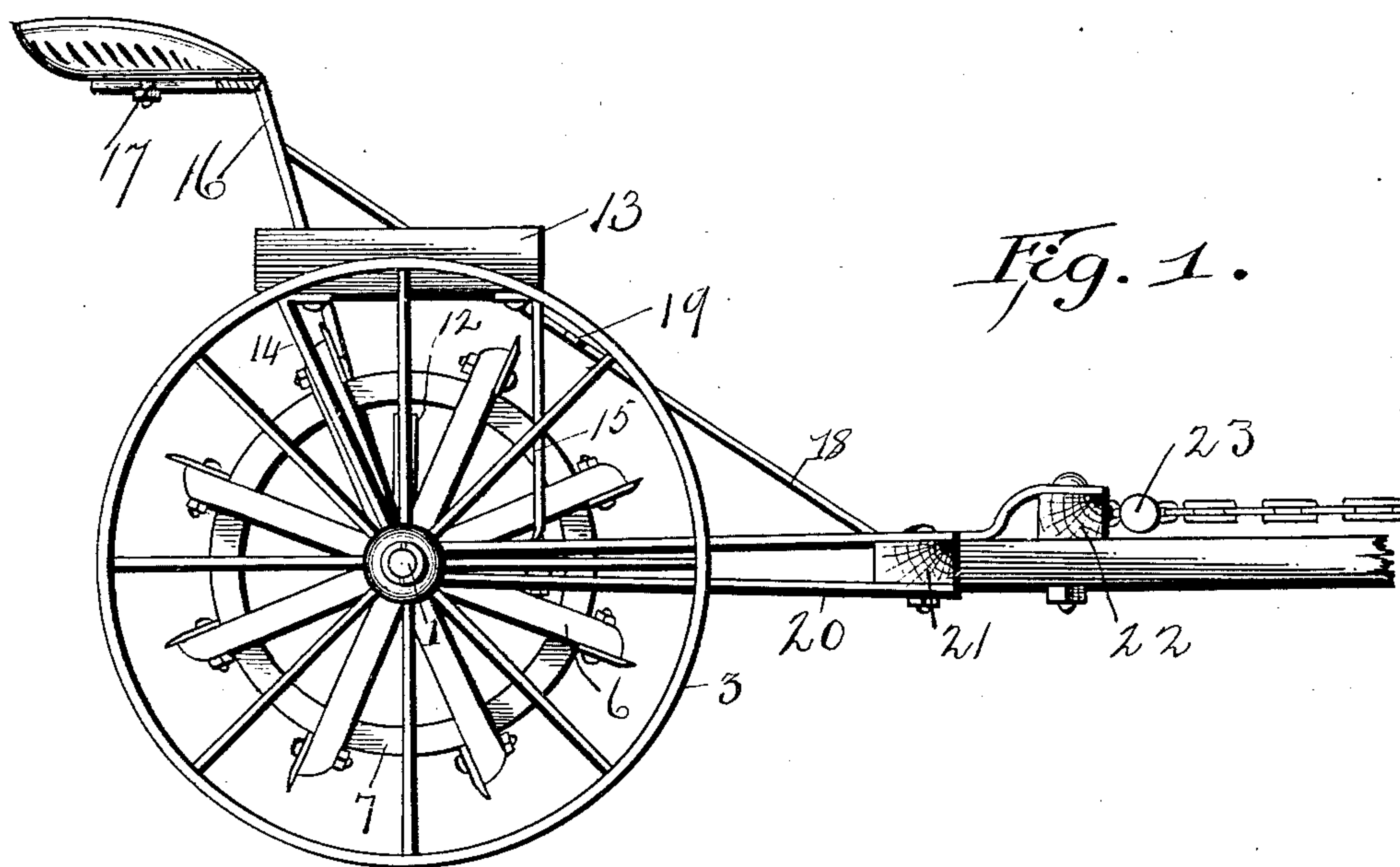


Fig. 1.

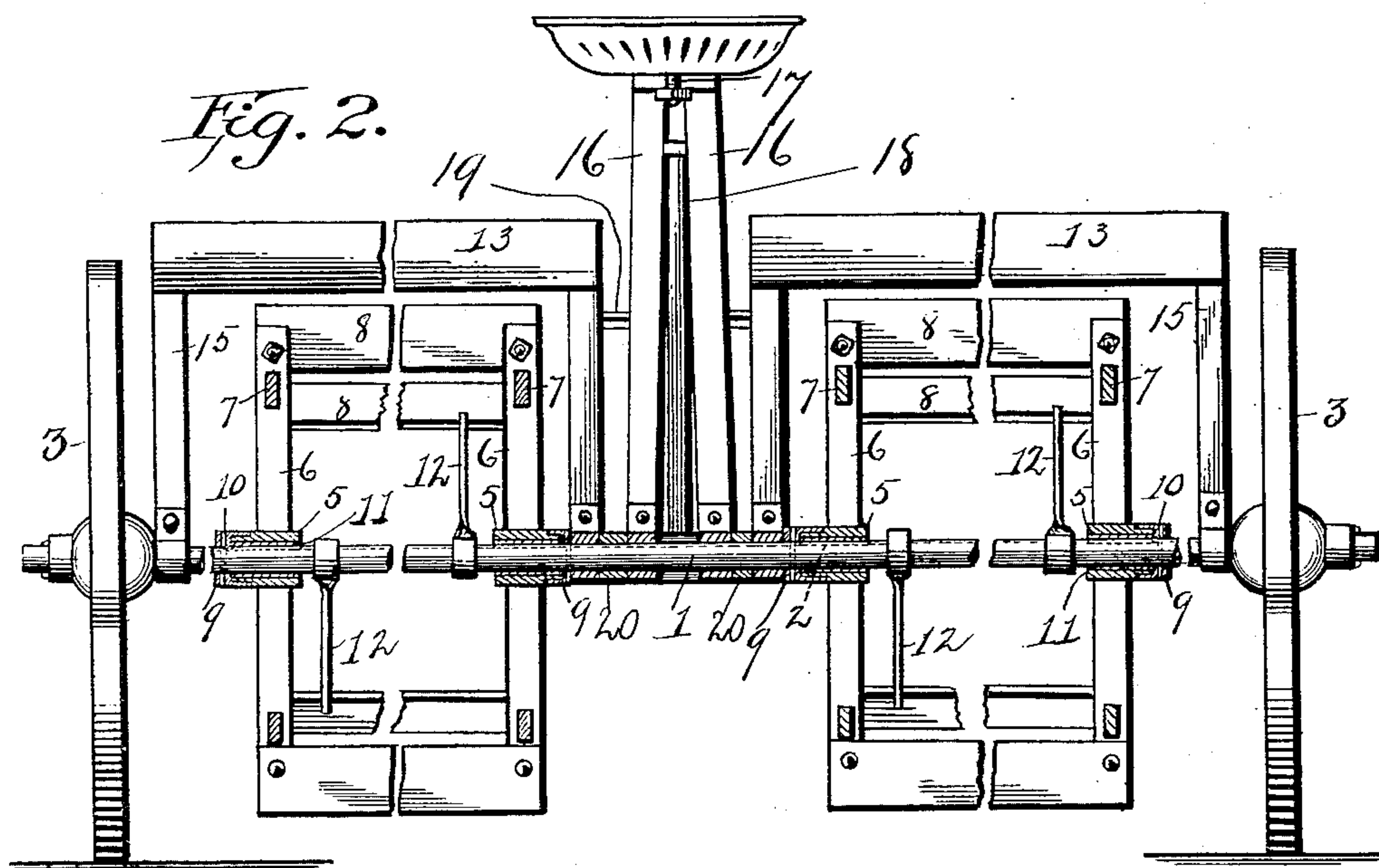


Fig. 2.

Witnesses

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JOSEPH E. TERRELL, OF BOLIVAR, TEXAS.

STALK-CUTTER.

SPECIFICATION forming part of Letters Patent No. 630,947, dated August 15, 1899.

Application filed April 29, 1899. Serial No. 714,945. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH E. TERRELL, a citizen of the United States of America, residing at Bolivar, in the county of Denton and State of Texas, have invented certain new and useful Improvements in Stalk - Cutters, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to improvements in stalk-choppers, and particularly to that class known as "revolving horizontal choppers."

The object of the invention is to produce a chopper in which the cutter-wheels may be 15 adjusted with relation to each other to accommodate rows of varying widths. Furthermore, the object of the invention is to provide novel means for preventing an accumulation of stalks or the like within the cutter-wheels.

20 A further object of the invention is to produce a chopper which will possess advantages in points of simplicity, efficiency, and durability, while at the same time its cost will be comparatively small.

25 With the above and other objects in view the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth, and specifically claimed.

30 In describing the invention in detail reference will be had to the accompanying drawings, forming part of this specification, wherein like characters denote corresponding parts in both views, and in which—

35 Figure 1 is a side view of a chopper embodying the invention. Fig. 2 is a transverse sectional view showing the axle and wheels in elevation.

40 In the drawings, 1 denotes an axle having a longitudinal keyway 2, said axle being supported by ground-wheels 3, which are used for transporting the chopper from place to place, but which are removed when the implement is to be operated, so that the cutter- 45 wheels will support the device.

50 The cutter-wheels are formed of hubs 5, having spokes 6, connected by a rim 7. Two of these hubs are required for each cutting-wheel, and blades 8 extend from the spokes of one hub to the spokes of the companion hub. Collars 9, having flanges embracing the ends of the hubs, hold the wheels in their po-

sition as adjusted longitudinally of the axle. Transverse pins 10, arranged in apertures of the axle and collars, hold the parts in their 55 adjusted position. Boxes 11 are keyed to the axle to form a bearing-surface on which the wheels rotate in order that the friction may be minimized. Cleaning - arms 12, having their ends provided with loops embracing the 60 axle, extend vertically in the wheels for the purpose of arresting stalks or dirt which might clog the wheels. In order that the weight of the chopper may be varied, I provide the receptacles 13, supported by stand- 65 ards 14 and 15, that stone or the like may be carried when the conditions warrant increased cutting action.

The seat springs or supports are formed of standards 16, attached to the axle, with their 70 upper extremities extending rearwardly at an angle, said extremities lying parallel with an intervening space, in which the bolt 17 of the seat is adjustable. The brace 18 has extensions 19, forming a foot-rest for the driver. 75

The tongue is connected to the axle by the metallic straps 20, bent centrally to embrace the axle, and the ends attached to the beam 21 of the tongue. The usual doubletree 22 and singletree 23 are also provided. 80

The operation and advantages will it is thought be understood from the foregoing description, and it will be noted that the arrangement of the details for successfully carrying my invention into practice may be va- 85 riously modified with relation to the proportions to meet particular requirements or circumstances, as will be obvious to those skilled in the art.

Having thus fully described my invention, 90 what I claim as new, and desire to secure by Letters Patent, is—

1. In a stalk-cutter, the combination of an axle having a longitudinal keyway, cutter-wheels arranged on the axle, collars having 95 flanges embracing the ends of the hubs of the cutter-wheels, transverse pins arranged in apertures of the collars and axle, blades on the wheels, and cleaning-arms standing vertically in the cutter-wheels, substantially as 100 described.

2. In a stalk-cutter, the combination of an axle having a longitudinal keyway, cutter-wheels adapted to be adjusted longitudinally

arranged on the axle, collars having flanges embracing the hubs of the cutter-wheels, transverse pins in apertures of the collars and axle, boxes keyed to the axle and arranged in
5 the hubs of said cutter-wheels, and vertical cleaning-arms within the cutter-wheels, substantially as described.

3. In a stalk-cutter, the combination of an axle having a longitudinal keyway, cutter-
10 wheels adapted to be adjusted longitudinally arranged on the axle, collars having flanges embracing the hubs of the cutter-wheels, transverse pins in apertures of the collars and axle, boxes keyed to the axle and arranged in

the hubs of said cutter-wheels, vertical clean- 15
ing-arms within the cutter-wheels, weight-receptacles supported on the axle, removable ground-wheels, standards attached to the axle and adapted to support a seat, and a brace having extensions forming a foot-rest, 20
substantially as described.

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

JOSEPH E. TERRELL.

Witnesses:

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