

R. B. HUMAN.
STALK CUTTING ATTACHMENT FOR VEHICLES.
APPLICATION FILED MAR. 31, 1909.

928,759.

Patented July 20, 1909.

Fig. 1.

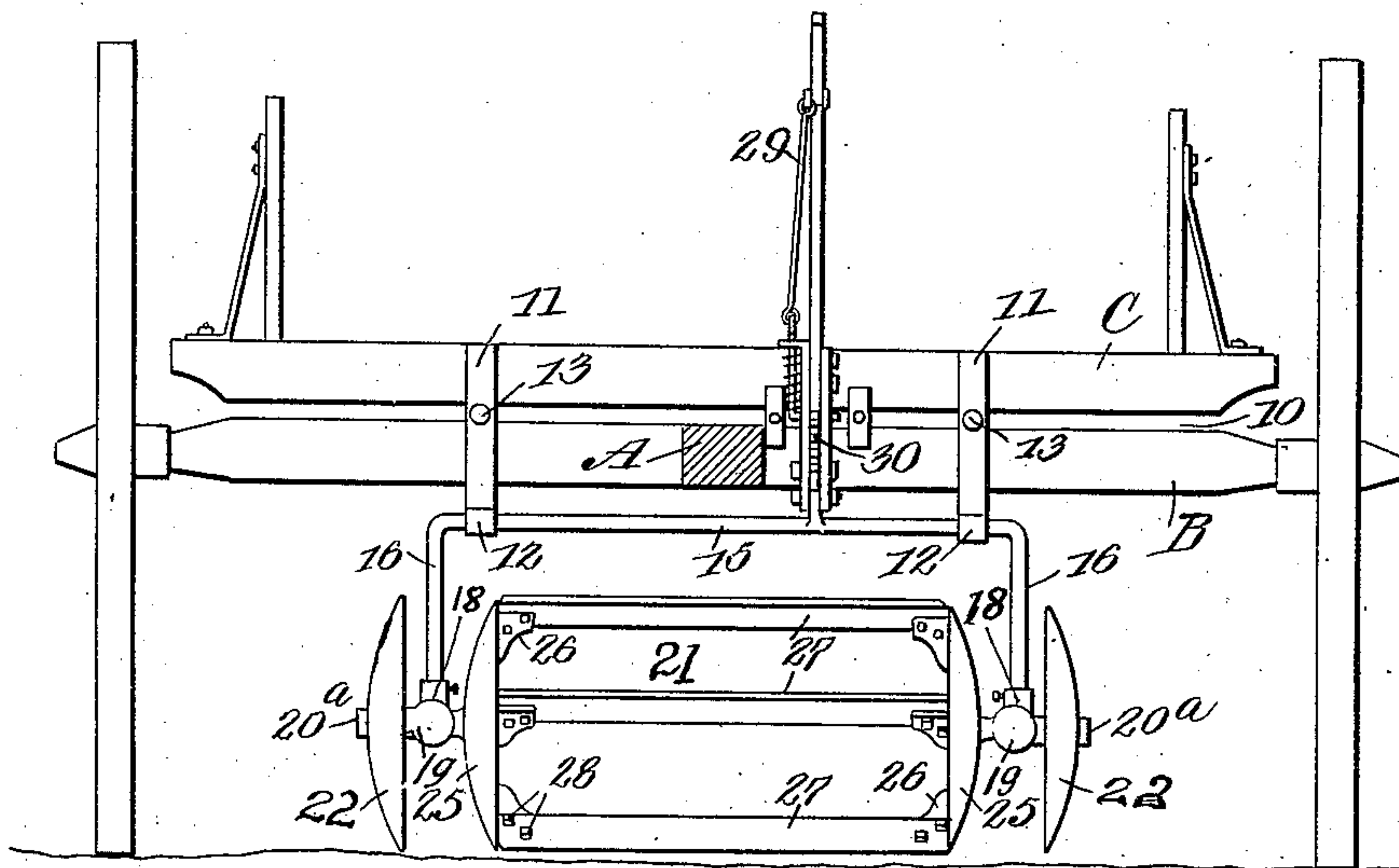


Fig. 2.

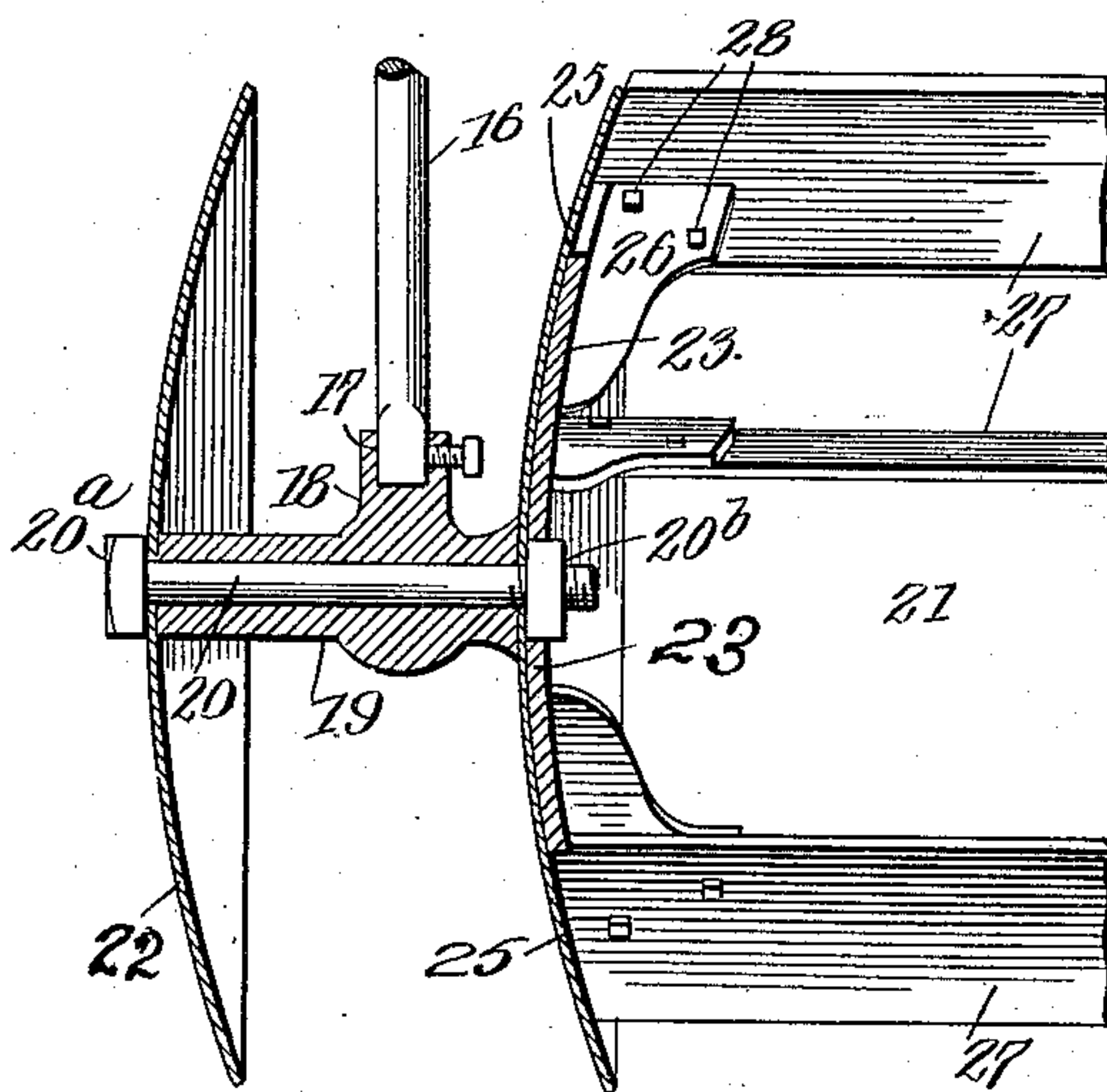
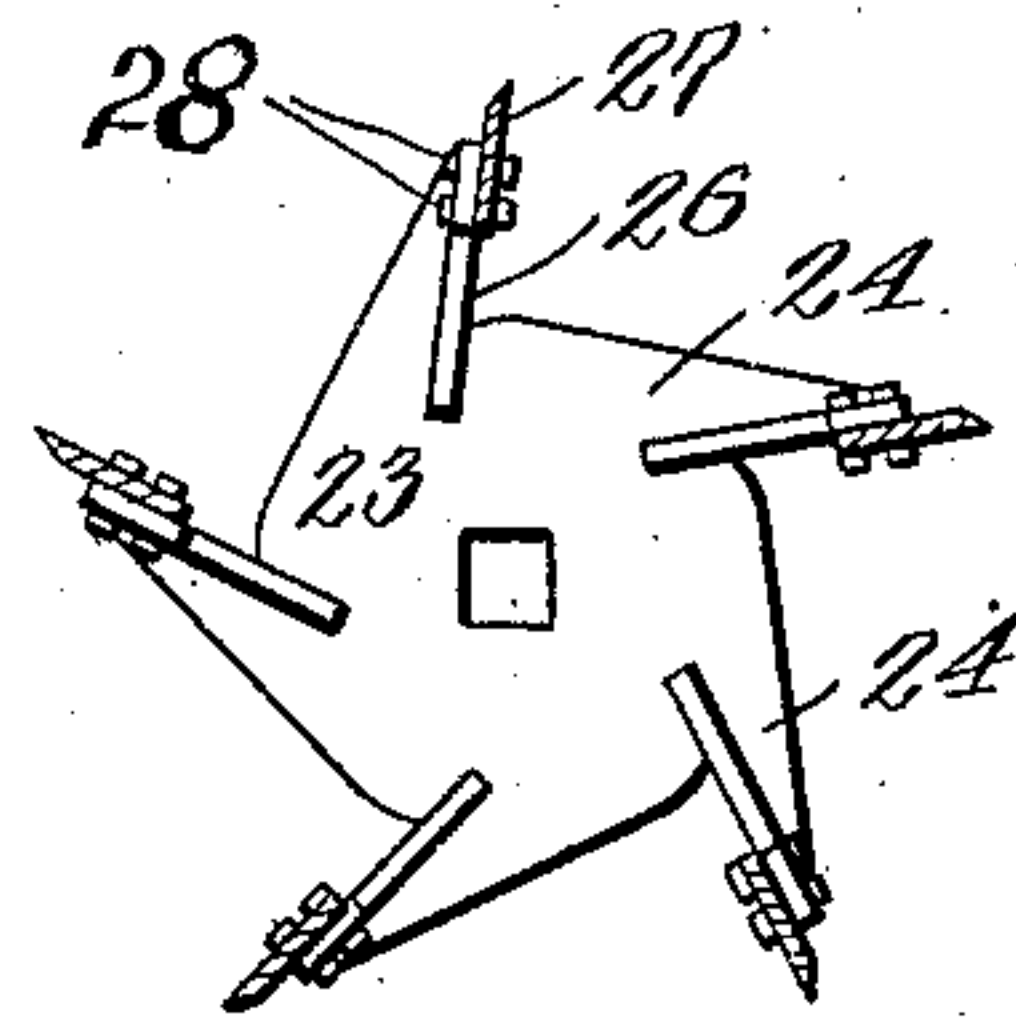


Fig. 3.



WITNESSES

Samuel E. Wade.
Geo. S. Brock.

INVENTOR

ROBERT B. HUMAN

BY *Munn & Co.*

ATTORNEYS

UNITED STATES PATENT OFFICE.

ROBERT B. HUMAN, OF CHICKASHA, OKLAHOMA.

STALK-CUTTING ATTACHMENT FOR VEHICLES.

No. 928,759.

Specification of Letters Patent.

Patented July 20, 1909.

Application filed March 31, 1909. Serial No. 486,910.

To all whom it may concern:

Be it known that I, ROBERT B. HUMAN, a citizen of the United States, residing at Chickasha, in the county of Grady and State of Oklahoma, have invented a new and useful Improvement in Stalk-Cutting Attachments for Vehicles, of which the following is a specification.

The purpose of this invention is to provide a stalk cutting attachment for vehicles, complete in itself, in combination with cultivator disks, and which can be conveniently and expeditiously applied to the forward or rear axles of an ordinary farm wagon, or to a similar vehicle, and provide means for lowering and raising the cutter and cultivator disks.

With these and other objects in view my invention consists in the novel construction and combination of parts as will be hereinafter fully set forth and pointed out in the claims, reference being had to the accompanying drawing, in which—

Figure 1 is a front elevation of a farm wagon showing the tongue in section. Fig. 2 is an enlarged view of the cutting cylinder carrying stub axles at each end and hangers for the same.

In Fig. 1, is shown the forward axle B and the sand bolster C having the customary space 10 between them formed by the passage of the hounds. Bars or straps 11 are located in engagement with the front face of the axle and the said bolster, one at each side of the center, the said bars being vertical and extending from the top of the bolster to the bottom of the axle, each bar terminating in an eye 12. These straps or bars are removably held in position by means of bolts 13 that are passed through and through the aforesaid space 10 into stay plates on the opposite side of the axle and bolster; the stay plates may be temporarily secured to the axle and bolster by screws or other suitable means. The upper or horizontal member 15 of a yoke is made to turn freely in the aforesaid eyes 12 as shown in Fig. 1 and the downwardly extending members 16 of the yoke have their lower ends flattened and fitted in a square socket 17 in a lug 18 projecting from the shaft hanger 19 which supports a shaft 20 carrying at one end the cutting cylinder 21 and at the other the cultivator disks 22 which are convex on their outer face and having concaved inner faces; the shaft 20 has at one end the head 20^a

while the other end is threaded and passes through the disked head 23 of the cutting cylinder and is held there by a nut 20^b screwed on the shaft within the cylinder head.

The stalk cutting cylinder consists of opposing heads 23 of spider like construction and the outer faces of said heads are convexed to conform to the concaved inner faces of the cultivator disks 25. The arms 24 produced on the heads 23 by the said spider like construction have corresponding longitudinal edges inclined and their opposed longitudinal edges straight as best shown in Fig. 3 and at the straight longitudinal edge of each arm 24 an inwardly extending bracket 26 is formed at right angles to the arm carrying it and blades 27 connect the heads, being secured to the brackets 26 by bolts 28 or their equivalents, and the cutting edges of said blades extend a desired distance beyond the outer ends of the arms, and the construction of the cutter D is completed by a square opening to receive the nut 20^b on the inner end of the shaft 20 of the cultivator disk. The cutter and the cultivator disks may be adjusted so as to cut deep or shallow by means of a hand lever 29 associated with a rack or quadrant 30. This hand lever and rack with their attachments are similar in construction to these parts shown in my Patent No. 887,641 and form no part of the present invention.

By adding the cultivator disks beyond the outer ends of the heads of the cutting cylinder, and suspending them from the same yoke that carries said cutting cylinder the cultivator disks may be adjusted in unison with said cutter and will aid in cutting limbs and branches and all stalks that lie close to the ground; as these disks cut in planes at right angles to the cutting planes of the cutting cylinder blades it will be seen that all stalks will be cut no matter in what direction they lie. By means of the hand lever before mentioned the cutting cylinder and cultivator disks may be adjusted to cut shallow or deep as desired.

I claim—

1. In a stalk cutting attachment for vehicles, the combination with the running gear of the vehicle and a yoke pivotally suspended from said running gear, of opposing shafts carried by said yoke, concavo-convex cultivator disks mounted on the outer ends of said shafts, and a stalk cutting cylinder con-

sisting of heads mounted on the inner ends of said opposing shafts, and blades connecting said heads.

2. In a stalk cutting attachment for vehicles, the combination with the running gear of the vehicle and a yoke pivotally secured to said running gear, said yoke having downwardly projecting bars, of opposing shaft hangers detachably secured to said downwardly projecting bars, shafts carried by said shaft hangers, concavo-convex cultivator

disks mounted on the outer ends of said shafts, stalk cutting cylinder heads mounted on the inner ends of said shafts, blades connecting said heads, and means for swinging said yoke, whereby the cutting cylinder and concavo-convex cultivator disks may be adjusted to cut shallow or deep. 15

ROBERT B. HUMAN.

Witnesses:

JOHN H. HARTMANN,
W. W. HAYNES.