

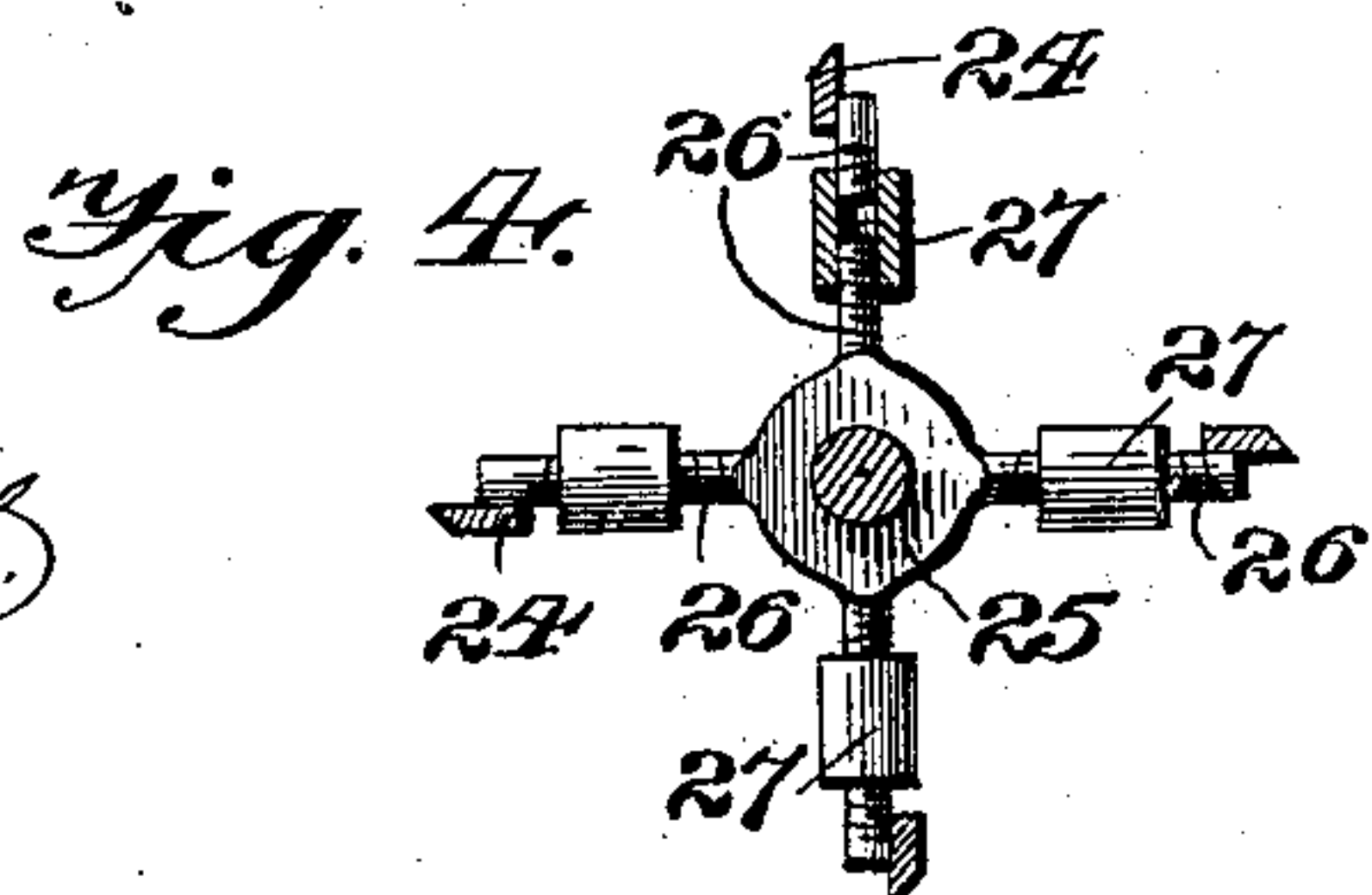
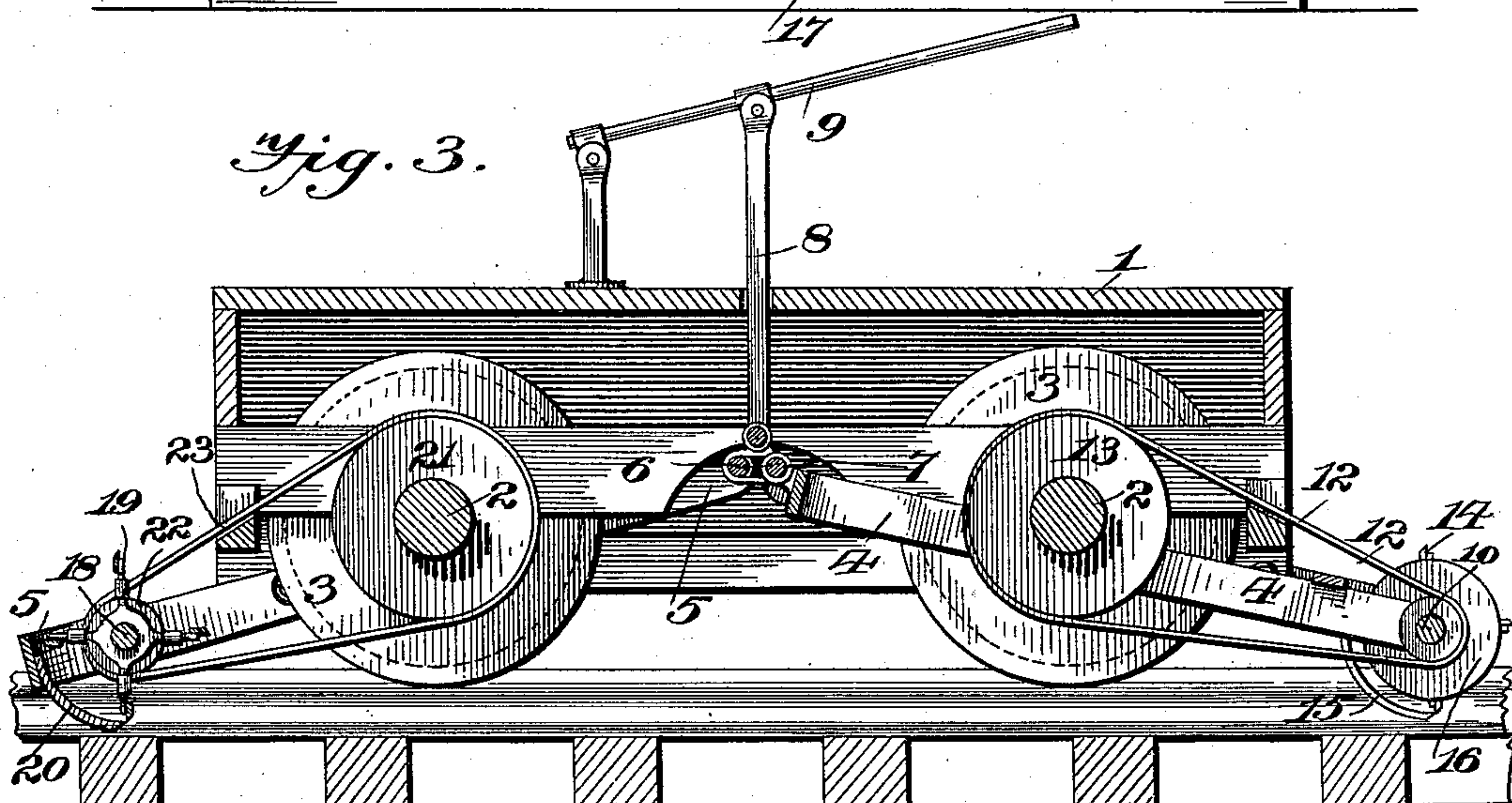
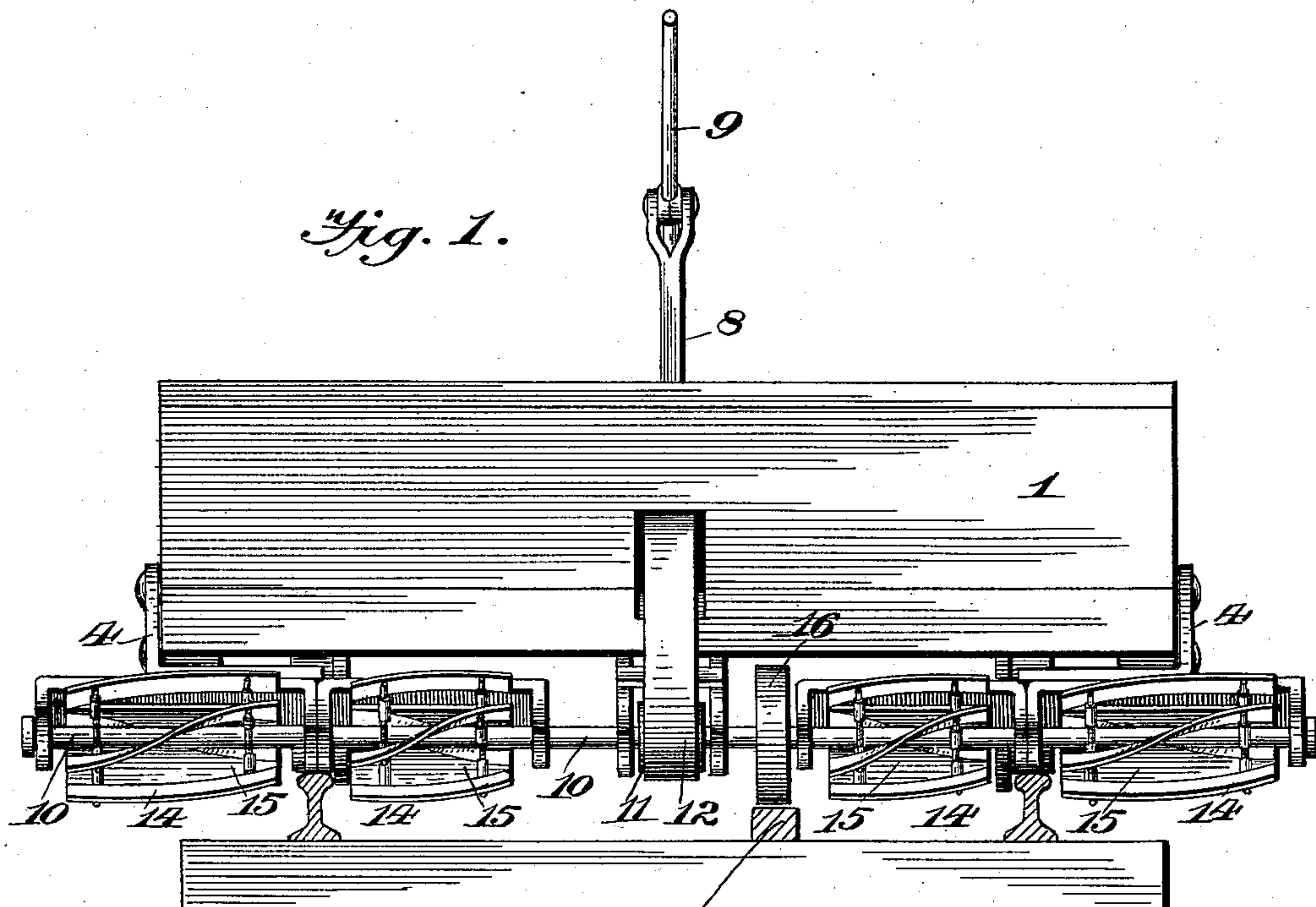
(No Model.)

2 Sheets—Sheet 1.

L. AGUR.  
WEED CUTTER.

No. 592,268.

Patented Oct. 26, 1897.



WITNESSES

*C. E. Hunt,*  
*J. K. Appan*

INVENTOR,  
*Luke Agur,*  
by *John Wedderburn*  
Attorney

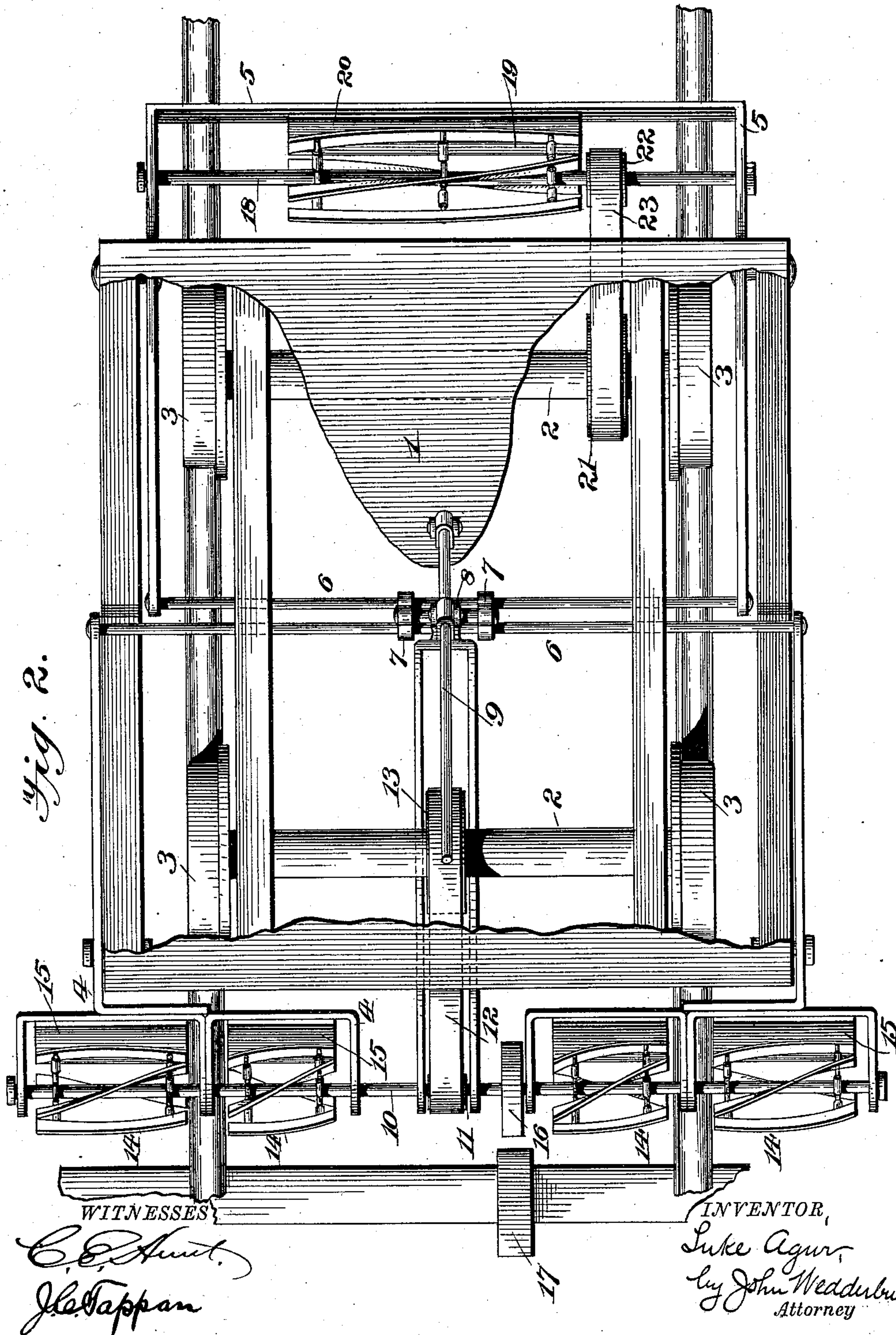
(No Model.)

2 Sheets—Sheet 2.

L. AGUR.  
WEED CUTTER.

No. 592,268.

Patented Oct. 26, 1897.





# UNITED STATES PATENT OFFICE.

LUKE AGUR, OF SEWARD, NEBRASKA.

## WEED-CUTTER.

SPECIFICATION forming part of Letters Patent No. 592,268, dated October 26, 1897.

Application filed October 22, 1896. Serial No. 609,751. (No model.)

*To all whom it may concern:*

Be it known that I, LUKE AGUR, a citizen of the United States, residing at Seward, in the county of Seward and State of Nebraska, have invented certain new and useful Improvements in Weed-Cutters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has reference to a novel construction in a cutting-machine adapted more especially for the purpose of cutting weeds and tall grass growing upon the road-beds of railways.

The invention consists in the features of construction hereinafter described and specifically claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is an end elevation of a machine constructed in accordance with this invention. Fig. 2 is a top plan with parts cut away for convenience of illustration. Fig. 3 is a vertical longitudinal section. Fig. 4 is a detail section of one of the revolving cutters.

Referring now to said drawings, 1 indicates the body portion of a cutter provided with the axles 2 and wheels 3. Mounted upon said body portion or car 1 are vibrating frames 4 and 5. The said frames 4 and 5 have side pieces pivoted to the side of the car and inner cross-pieces 6, that are connected together by loops 7 and are pivoted to the lower end of a bar 8, that extends up through the bottom of the car and is connected with an operating-lever 9 for moving the said vibrating frames. The forward vibrating frame 4 is provided at its front end and beyond the end of the car with a shaft 10, mounted in suitable bearings upon said frame and geared to the front axle 2 by means of a pulley 11, belt 12, and pulley 13 upon said axle. The said shaft 10 is also provided with a plurality of cutters 14, which work in connection with blades 15, carried by the vibrating frame 4 and constructed similarly to the ordinary lawn-mowers. In the construction illustrated the cutters are four in number, the two outer ones being separated from the inner ones sufficiently to allow the rail of the track to extend between the same, it being noted that when in use the blades 15 of these cutters are situated below the top of the rail. Between the two central cutters 14 there is consider-

able space, in which the pulley 11 is situated, as well as a roller 16. The said roller is situated to come into contact with a projection 17, situated between the rails and adapted to lift the cutters automatically when the car passes over road-crossings. The said projection consists merely of an uprising piece situated in the path of the said roller 16. It will be seen that by the lifting of the front end of the vibrating frame 4 the rear vibrating frame 5 will also be elevated. This vibrating frame 5 is provided beyond the rear end of the car with a shaft 18, a cutter 19, and a blade 20, similar in construction to these parts at the front end of the car. The shaft 18 is driven from the rear axle by means of a pulley 21 thereon, geared to a pulley 22 upon the shaft 18 by means of a belt 23. The said cutter 19 is situated to extend between the rails of the track, as will be clearly seen. As shown in Fig. 4, the knives 24 of the cutters are connected with the hubs 25 thereof by adjustable coupling-arms 26. The said arms consist of two sections, one of which is connected with the knife and the other with the hub, and coupled by means of a screw-threaded sleeve 27. In this way the knives can be adjusted independently of each other, so that they may always be brought in the correct position with relation to the blades and thus compensate for any wear due to sharpening.

It will be seen from the foregoing description that a machine of this kind when drawn over a railroad-track will effectually cut down the weeds and grass growing upon the bed both inside and outside of the rails in an obvious manner.

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

The combination with a car, of vibrating frames mounted thereon and connected together at their inner ends, devices for moving said vibrating frames, and rotatable cutters upon the outer ends of said vibrating frames geared to the axle of said car, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

LUKE AGUR.

Witnesses:

DAVID H. FIGARD,  
GEO. W. LOWLEY.