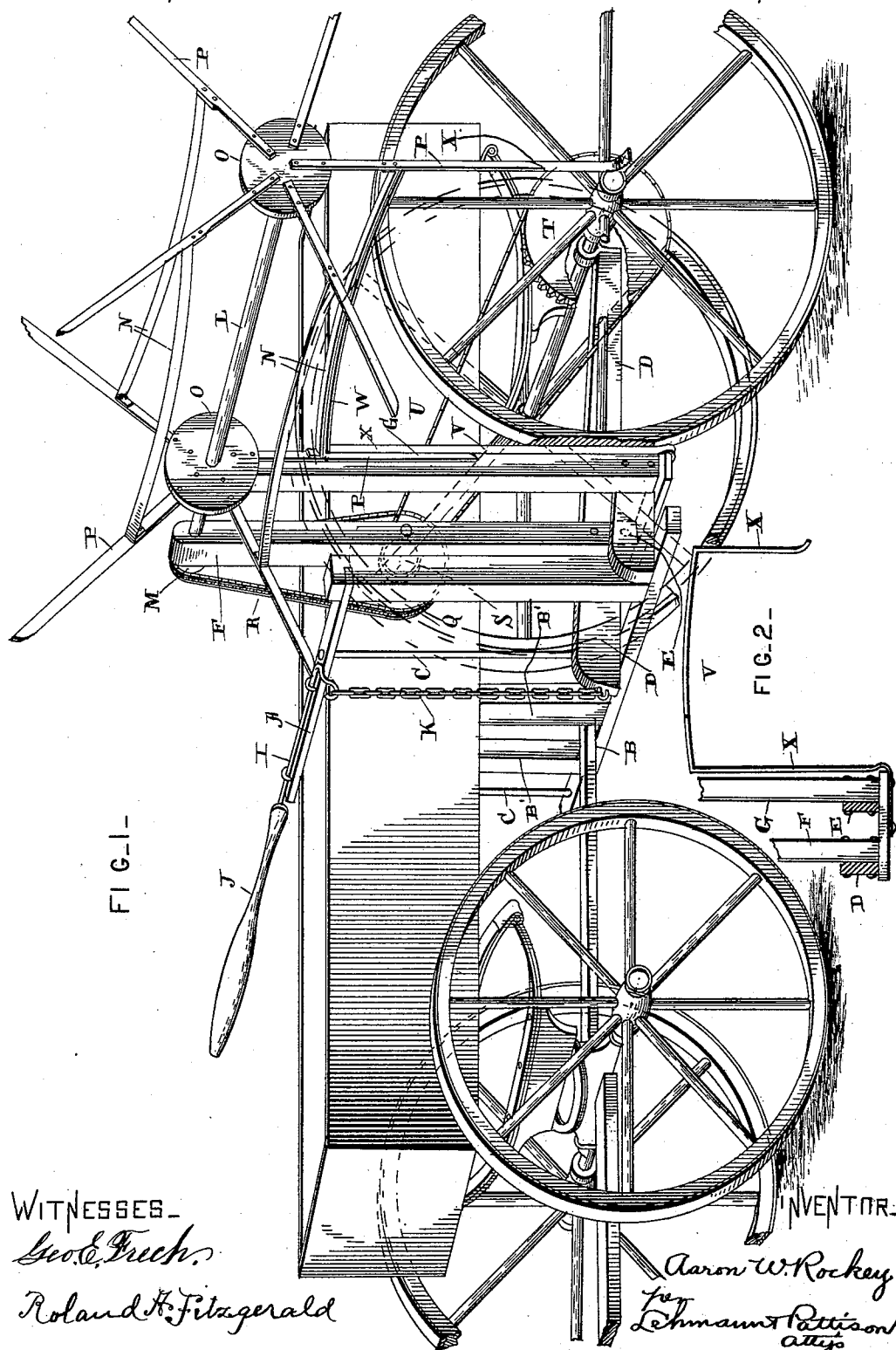


(No Model.)

A. W. ROCKEY.
HEDGE TRIMMING MACHINE.

No. 467,022.

Patented Jan. 12, 1892.



UNITED STATES PATENT OFFICE.

AARON W. ROCKEY, OF DEVON, KANSAS.

HEDGE-TRIMMING MACHINE.

SPECIFICATION forming part of Letters Patent No. 467,022, dated January 12, 1892.

Application filed August 13, 1891. Serial No. 402,545. (No model.)

To all whom it may concern:

Be it known that I, AARON W. ROCKEY, of Devon, in the county of Bourbon and State of Kansas, have invented certain new and useful Improvements in Hedge-Trimming Machines; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in hedge-trimmers; and it consists in certain novel features of construction, and in the combination and arrangement of parts, which will be fully described hereinafter, and more particularly referred to in the claims hereto annexed.

The object of my invention is to construct a hedge-trimmer which may be easily secured to an ordinary farm or lumber wagon, being operated by one of the wheels thereof, and which will trim both sides as well as the top of the hedge at the same time.

Referring to the accompanying drawings, Figure 1 is a perspective view of my improved machine. Fig. 2 is a detached view of the stationary cutting-frame.

A and B represent the two cross-pieces of the supporting-frame, which are secured together and also clamped to the body of the wagon by the rods C.

Extending downward from the wagon-body are the posts B', to the lower ends of which the cross-piece B is secured, and by means of these posts the said cross-piece is greatly strengthened in its depending position.

Loosely secured at its rear end to the rear end of the axle is the sill or bar D, the forward end of which is supported on the extended end of the cross-piece B. Connected to the portion D and extending parallel with it is the short sill E, and extending upward from these sills D E are the uprights F and G.

Secured to the bar A and adapted to turn thereon is the L-shaped lever I, to one end of which is secured the operating-lever J. To its opposite end is secured or connected the

chain K, the lower end of which is secured to the sill D. As the rear end of the bar D is pivoted to the axle, it is evident that by turning the lever I by means of the lever J the forward end of the sills D E may be raised from their supports when desired.

Journaled horizontally in the upper ends of the uprights F G is the shaft L, which is provided with a sprocket-wheel M on its inner end, and to its outer extended end are secured the curved knives N. These knives are connected to the heads O, which support the vertical knives P.

Journaled to the side of the post F is a sprocket-wheel Q, which is connected to the wheel M by a chain R, and secured to the journal of the wheel Q is a smaller sprocket S, connected to the large wheel T, which is secured to the inner side of the wagon-wheel by means of the drive-chain U. By this construction it will be seen that the knife-shaft is revolved by power furnished from the wagon-wheel.

Secured to the upright G at its lower end is the frame V, which is provided with the top cutting-plate W, against which the horizontal knives bear, and also the cutting-plates X on its sides, against which the knives P bear, which are provided for trimming the sides of the hedge.

In operation the wagon is driven alongside the hedge with the frame V extending over and down each side of the same. The process of trimming the sides and top of the hedge will be readily understood from the description and the drawings. By means of the lever J the knife-shaft may be adjusted vertically, and the height at which the hedge is trimmed is thus regulated.

Having thus described my invention, I claim—

1. In a hedge-trimmer, a wagon, a frame secured thereto, bar D, loosely secured at one end to the wagon-axle and its free end adapted to bear on the said frame, means for raising the said bar, uprights supported on the bar D, a shaft journaled in said uprights, knives secured to the shaft, means for revolving the shaft and a stationary cutting-plate,

the parts being combined to operate substantially as shown and described.

2. In a hedge-trimmer, a support, a frame secured thereto, uprights supported on the frame, a shaft journaled in the uprights, horizontal knives secured to the shaft, knives radiating outward from the shaft, and a stationary frame having horizontal and vertical cut-

ting-edges, the parts being combined to operate substantially as shown and described. 10

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

AARON W. ROCKEY.

Witnesses:

E. R. CHENAULT,

E. S. TENNEY.