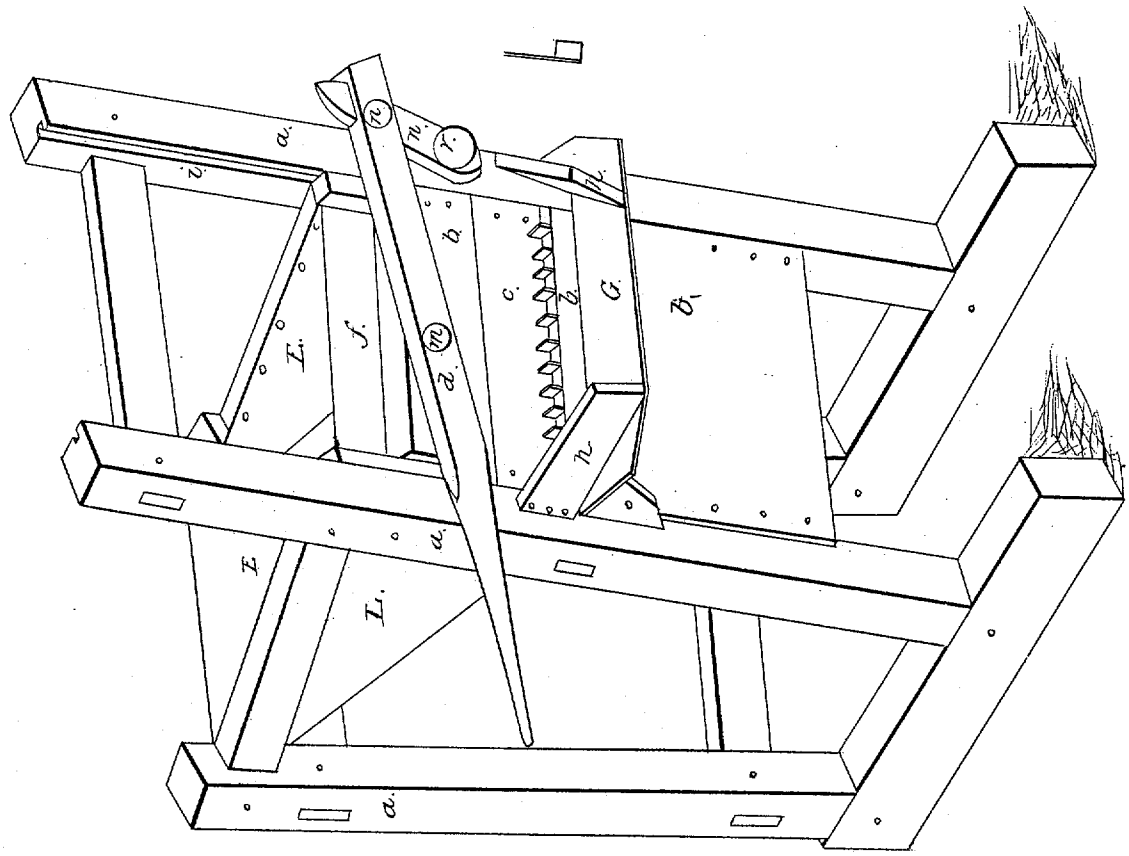
No Printed Specification Available

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A. H. Robbins',

Vegetable Cutter.

Patented May 6. 1836.



N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

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May 6 1836

Austin H. Robbins of Dunmark, N. York

Letters Patent

The schedule referred to in these Letters Patent, and making a part of the same, containing a description in the words of the said Austin H. Robbins himself of his improvement in the machine for cutting Potatoes, Turnips, Mangel wurtzel, Carrots &c. for cattle and horse feed,

Be it known that I Austin H. Robbins of Dunmark, of the County of Lewis & State of New York have invented a new and useful Machine for cutting Potatoes, Turnips, mangel wurtzel, carrots &c. for feeding to cattle horses and other domestic animals. The drawing hereunto annexed, is a true representation of the model of said machine, on a scale of half an inch to the inch of said model which is on a scale of three inches to the foot of said Machine for use (or nearly)

The principle timbers are four feet and 2 bed pieces or sills which may be 2 by 3 and a half inches square. The front posts may be 28 feet 6 inches in length. The rear posts 3 feet of length and the bed pieces or sills 2 feet 6 inches in length in each bed piece receives the foot of one front and one rear post leaving a space of 10½ inches between. The ends of the bed pieces projecting extending forward. These feet from whence the foot of the rear post enters the bed piece is inserted a piece about 2 inches wide and thirty inches in length, upon the upper side the of which the upper end of which is received by the front post, which is very considerable inclined forward as the rear post enters the bed piece without a bevel. These timbers thus put together constitute the side frame of the Machine. The width of said Machine may be 20 inches between the posts, the sides are then connected

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by 4 girts, the lower girt connecting the front feet 9 inches center 18½ inches (measuring on the front side) from where it enters the end piece. This girt may be two inches deep at depth extending upward from the measurement of its width may lack about ¼ of an inch from coming out flush with the front of the feet. The mortises in the front feet which receive this girt may be one and one fifth inch from the front sides of the feet and a corner taken out at each end of this girt in front of the tenon sufficient to receive a slide 1½ inch square. The upper girt near the end of these feet must be set back from the front to also admit the same sized slide. The top girt in the rear feet may be placed 2 feet 9 inches from the foot where it enters the end piece. From this girt to the lower end in the front feet is fixed a board, the outer edge flush on the lower girt in the front feet, to which girt it is fastened. This forms as the bottom of the hopper to which on either side board extending upward as far as the top of the side girt to which it is fastened with the front feet they are made fast, the lower end of this side board coming within ½ inches of the front of the feet. The bottom board may be perforated with holes or constructed with slats so as to keep the dirt from the feed shoe. A gate in sliding frame stationed between the two front feet. The side pieces may be 2 feet 6 inches long and 1½ inches square mark the upper end these may be framed a cross piece 1½ inch thick and 3 or 4 inches wide, the tenons may pass through the side pieces ⅝ of an inch which will leave as long which slide in the grooves cut on the inside of the front feet. Near the lower end of the said side pieces are other tenons projecting for the same objects To these last pieces about 9 inches below the upper pieces is attached a knife about 3½ inches wide which is set in from the front side of these pieces, 3 or 4 eighths of an inch (when it is made fast by screws) which regulates the

thickness the slits are to be cut. The edge of the knife upon the inside is to fit in close contact with the lower end of the bottom board which is not quite full with the front of the grist upon which it rests, so that the knife may pass the front edge of the grist, To prevent it from catching into the grist something may be attached to the inside of the post, below the gate some pieces of wood like a segment of board is to be fixed in between the knife rack upon each piece, a second adaption may be in the hopper from falling over the knife when down, To the side pieces below the edge of the knife about 1/2 an inch is fastened a board 12 or 15 inches wide against which the contents in the hopper rests when the knife is raised by which means all danger is likely contact with the edge which stands in from the board & as the gate is lowered down the pieces fall from between the edge of the knife and the board upon a conductor below when the edge of the knife rests, This conductor consists of a board by the width fastened to the underside of said pieces made fast to the posts, Enough room for the sliding gate to pass up and down, To prevent the dirt and gravel from working down by the side pieces of each gate small slats are made fast to the lower ends of the outer board which forms as a defence, The gate or sliding frame is raised up and down by means of a lever which may be 4 feet long connected to the gate at the centre of the cross piece by means of a pin or bolt two thirds of its distance from the handle end, The opposite end is attached to the left side of the standing by means of a long mortise at the end of the lever which passing a pin which is kept by means of a pin or bolt, side of which forms an elbow, That part of the elbow upon which the lever is placed is about 2 1/2 inches from the hole where it receives the pin or bolt at the end of the lever & a hole where it is fastened by another pin or bolt to the left hand post, Upon the face of the knife project several cutters at right angles with the knife

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What I claim as new & as my invention is the above described Machine and for the use of which I ask Letters Patent is the principle or operation of feeding and cutting at the same operation together with the application of the gate and lever accompanied with the knife for stripping rods &c for the use of domestic animals

Witnesses whereof I have hereunto subscribed my name the 18th day of February 1839

Witness

Saml. Allen

John A. Hulbert

Chester N. Abbey

Chester N. Abbey

Specification of Chester N. Abbey's Improvement in Machine for Cutting Feed for Animals

Dated February 18th 1839