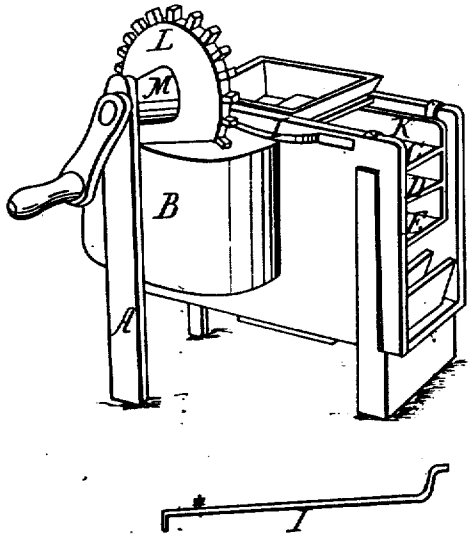
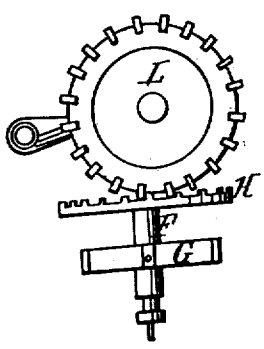
9423½X

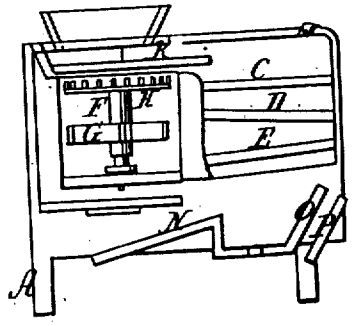
D. Wilson.

Grain Winnower.

Patented Feb. 20, 1836.







Feb 20. 1836

9423½ X

David Wilson, of Shoreham, State of Vermont

Letters Patent

The schedule referred to in these Letters Patent and making part of the same, containing a description in the words of the said David Wilson, himself of his improvement in the Machine for winnowing grain

Be it known that I David Wilson of Shoreham in the County of Franklin and State of Vermont, have made a new and useful improvement in the winnowing Machine, which is described as follows, reference being had to the annexed drawings of the same, making part of this specification, This Machine consists of a frame A. made similar to the frame of a common winnowing machine, open at one end and enclosed at the other end by a curved casing B. of thin board forming a semi circle long ways, also closed by similar boards within this frame the riddle C. frame D. and screen E, are suspended by strings in an inclined position, the inclination of the screen being in an opposite direction to that of the sieves, and vibrating horizontally, A vertical shaft F. is placed in the centre of the semi circle B. frame D. and screen E, are suspended by strings in an inclined position, the inclination of the screen being in an opposite direction to that of the sieves, and vibrating horizontally, A vertical shaft F. is placed in the centre of the semi circle having rings or pans F. fastened to it, and a cast iron spur wheel, H. and its upper end, A crank arm a attached to this wheel, H. and its upper end, A crank arm a attached to the end of the shaft F. to which arm is attached a connecting rod I. leading to the shoe K. to which it is attached for giving the horizontal vibrating motion to the shoe, A screw wheel L. turns into the spur wheel which screw wheel is placed upon a horizontal shaft a. on the top of the frame, A hopper of the usual construction is placed above the shoe, an inclined board N. is placed below the screw to convey the cleaned grain to a receiver, There are two other inclined boards O. P. for the purpose of separating the heavings from the chaff

and also from the fine seed which passes through the screen, the grain being fed into the hopper motion is given to the machine by a crank handle on the end of the horizontal shaft which gives motion to the vertical shaft, with the fans, also to the elevating rod or shaking staff, which gives motion to the riddle, screen &c. the grain to be winnowed passes down from the hopper upon the riddle sieve, and there the grain is then separated, from the chaff and dust by the motion of the riddle &c. and by the current of air caused by the fans, what I claim as my invention and which I desire to secure by Letters Patent consists in the arrangement and adaptation of the several parts of the before described horizontal winnowing machine.

David Wilson

Witnesses

Thomas Waterman

Simon Lyman

W. Adams

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