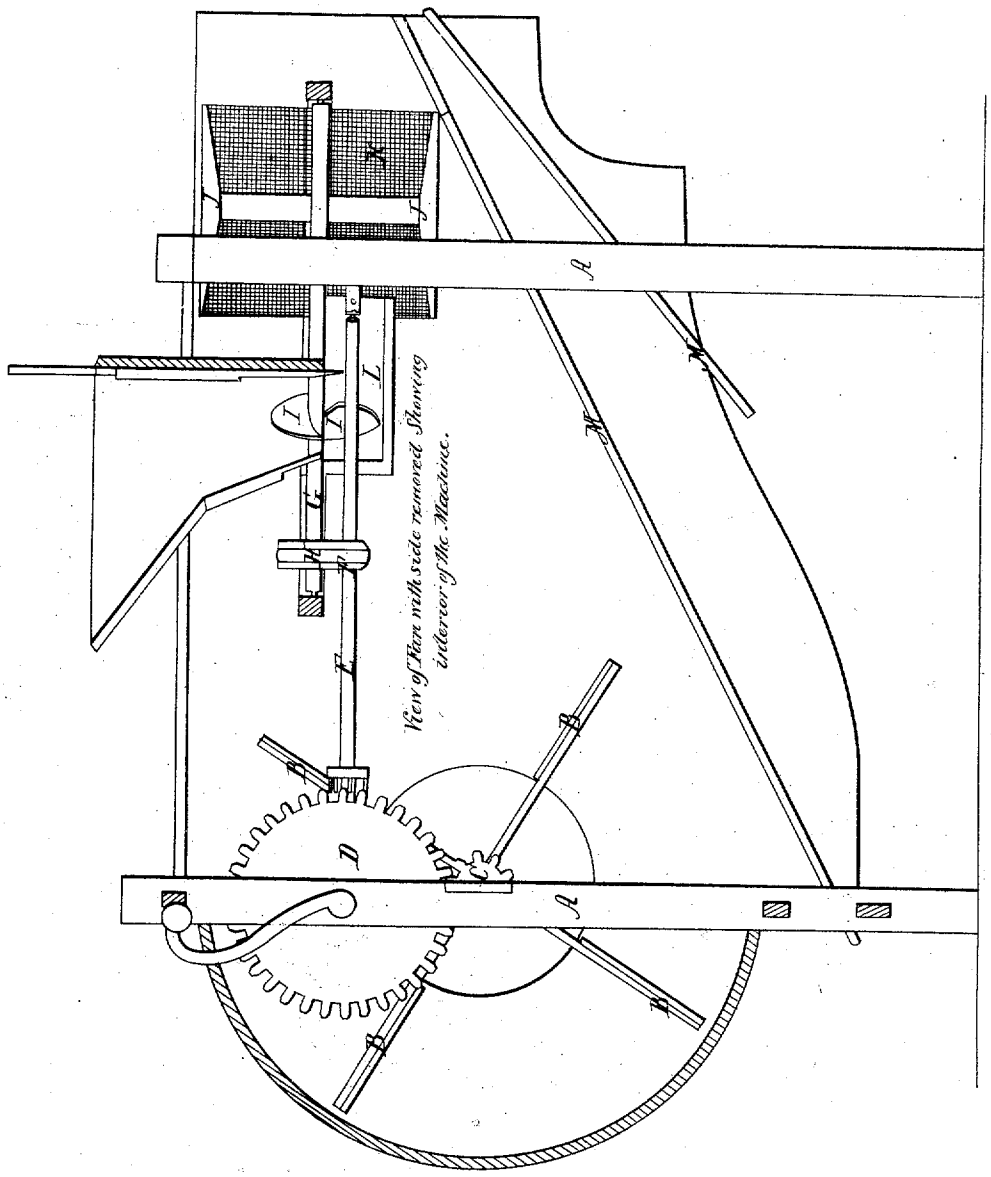
PATENTED OCT. 1, 1830.

6174X

M. URFFER.

MACHINE FOR CLEANING ALL KINDS OF GRAIN FROM THEIR CHAFF, DUST, EARS, &c.



No. 12
Oct. 1. 1830
227.

6174x

Michael Uffer
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 Michael Uffer himself of his improvement in cleaning all kinds of grain from their chaff, dust &c

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To all to whom these presents shall come. Be it known that I Michael Uffer of Upper Milford Township in the County of Lehigh & State of Pennsylvania have invented a new & useful improvement in the machine for cleaning all kinds of grain from their chaff, dust, seed &c. & that the following is a full & exact description of the construction & operation of the said machine or improvement by me.

This machine or instrument is intended to be a very useful implement to the former rural economist & trader in grain by enabling them to separate the grain from their chaff, dust, seed &c by an operation much easier than by any other known method as he believes now in use, at any rate he offers it as containing a new & useful mode of effecting the purpose for which it is constructed. The description of his invention & discovery is contained in the following words & terms that is to say. He forms a frame of suitable scantling 5 or 6 feet long one foot 8 inches wide with a depth or height about 4 feet with 5 perpendicular legs, 2 feet 5 or 6 cross bars & is formed in a box with suitable boards like the old fashioned hand mill. within the box there is a shaft with 4 fans outside there is a small cogged wheel of about 14 cogs & is fastened to the fan shaft, above this is a large wheel with 48 cogs, & at this is a hand &, outside of the box runs another shaft & at this is likewise a cogged wheel with 12 cogs at the end & a pulley about in the middle of the machine said shaft may be fastened to the legs in any other way, inside there is another shaft of about 2 feet long & 1 inch square & 1 long handle at this is likewise a pulley at the end so as to correspond with the middle shaft pulley. over one another at said shafts is a cord with round

Joel Jones

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about 7 ft inches long & at the said ends are flats as long as the sieve. the sieve is about 14 inches long & about 14 ft wide in diameter it is cylindrical & made of suitable wire. below this shaft is a semicylinder of about 10 inches long & 9 inches at one end & wide enough to suit the concave sieve has one flat & at the hinder part a hinge & by two cords on each side one to each to bring the sieve below and above level. on the top there is a hopper wide enough to suit the semicylinder, below the sieve there are likewise 2 boards running nearly from one end flat-ways to the top to the other end. now by setting the largest cogged wheel in motion by human or any other strength or power, it turns the iron shaft inside & the other outside of the top & from turning the outside shaft the inside or sieve outside shaft is turned by a strap or cogged wheel, then the concave & also the sieve is in motion so as by turning the largest cogged wheel about 3 ft round the sieve & concave turn once. the concave is in the semicylinder & by throwing grain in the hopper it falls down in said cylinder, from where the concave works it out into the sieve where the kernels fall thro' & glide along the flat board & the dust chaff &c fall out behind as in the common way. the peculiar & special merit of this invention discovery & improvement is this to wit. the revolving sieve so as by turning it makes its regular revolutions. also the semicylinder where the concave makes its revolution by which the work is rendered much better & easier & this the petitioner solicits to secure by Letters Patent to the end that he may enjoy the exclusive benefit thereof & also the iron & inside shaft as well as the concave so as to bring the sieve under & above level. that he begs also to encharge in his Patent for the purpose of rendering his invention & improvement more perfectly plain & intelligible he forwards with these presents to the Secretary of State for safe keeping in the Patent office a model exhibiting the whole of his machine & relative to the former file & manner of using it of the several parts entering into the composition of the same done by the said Michael Hoffner as before the time of application at Hoffner's Mill at Newtown in the County of Lehigh

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Lehigh County State of Pennsylvania this 23d day of August in the year of our Lord one thousand eight hundred and thirty 1830.

Witnesses

Jacob Steinbel

Joseph Stauss

Michael Weffer

Patented Oct 1st 1830

924 Acres

C.C.
C.H.W.