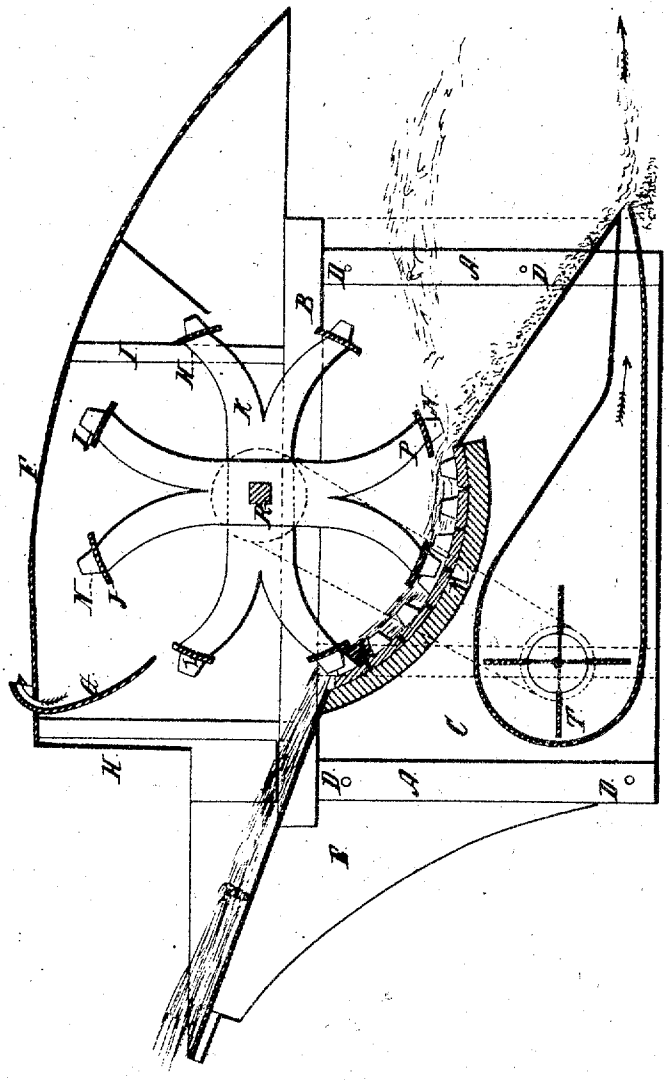
9702X

J. S. ROBBINS.

THRASHING MACHINE.

Patented June 2, 1836.



9702X June 2, 1836

Jacob P. Robbins Gloucester Maine

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 Jacob P. Robbins himself of his improvement in the machines for thrashing Wheat and other Grain.

To all people to whom these presents shall come Be it known that I Jacob P. Robbins of New Gloucester in the County of Cumberland & State of Maine have invented a new and useful improvement in machines for thrashing Wheat and other grains and that the following is a full and exact description thereof

I make a frame thirty six inches long and twenty four or twenty six inches high with four posts as in letter A doth appear on the top of which is a quit put on by means of screws & bands as in letter B doth appear. Then I bind it on the inside with plank or thick boards and let the posts into the bands and screw them on as in letter C. doth appear. This is finished together by means of iron rods or bolts with nuts and screws as in letter D. doth appear. one end also is banded up and on the same end is propating pieces on which the said Table rests as letter E doth appear. Then I make a hopper or cone to go over the center wheel with sufficient length and breath to cover the wheel and to prevent the grain and straw from flying too far as in letter letter F. doth appear through the top of which I convey the wind from the center wheel by means of a board or circular band or shute cone. This band or shute now goes through the top of cone and meets the teeth of the center wheel in sight from as to receive the wind from the wheel and convey it back from the cone as in letter G. doth appear. in the front end I leave a conveyance from the table to the center wheel as in letter H. doth appear. The hopper or cone is pretected to the frame by means of iron straps or

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fed into the pinion or beams as in letter S doth appear. The brake wheel is made thus. I take four pieces of bar iron four inches wide and one inch thick and as long as I want the brake wheel in diameter. Put them across at right angles and then split each end of each bar down within three inches of the centre, and spread them till they come at right distances apart. Then prepare each part with a tenant one inch square and so contrived. Them as to fit the lags and not to come in the way of the teeth in the brake wheel lags as in letter T. doth appear. When these pieces are so fitted will compose eight arms as in letter U. doth appear. Then I take eight pieces of flare iron three inches wide and one inch thick and as long as I want the brake wheel, and make a mortice in each end and so fit them as to receive the before described arms and countersink them in and rivet the tenant as in letter L doth appear. Then I take seven pieces of bar iron for the circumference three inches wide and three fourths of an inch thick and place them on the before described pieces on plain by means of a groove in each circumference form as in letter M doth appear. I make the teeth of cast one inch and a half wide at the butt end and three fourths of an inch thick and three inches long and taper of each way to one inch wide and one fourth of an inch thick at the top end as in letter N doth appear. These teeth are made with two tenants one on each edg of the teeth about two fourths of an inch through and so fit into the lags and circumference pieces by shaping them of and drilling them cold and countersinking the underside and riveting them as hot cold as in letter O. doth appear. These bars are so set in the lags and circumference pieces as to form by each other and to fit each other. Then I take a square bar of iron for a shaft one inch and one half square and fit it through the before described arms and fasten it on by means of bolts or keys as in letter R doth appear. This shaft is turned and fitted to run on cast iron Bars these bars are bolted down to the before described beams or gats. on one end of the shaft is a pulley about eight inches in diameter as in letter S doth appear: on the said pulley goes a band from a hol-

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the power which sets the machine in motion. Underneath the beater I fix a blower or fly wheel of sufficient bigness and is so constructed by means of a band from the beater wheel pully to the blower shaft which forces the wind out at the end of the machine and separates the straw and chaff from the wheat as mill[er]s T. dirk appears. What I claim as my own invention and previously known in the above described machine is first, the way and manner of making the beater wheel and it being made wholly of cast Iron and the way and manner and form of making and setting the teeth with two levers (and also the invention of the wind through the body of the machine) also the blower underneath the beater wheel

Witnesses
A. M. Robbins
Nancy M. Robbins
Robert Neeny

Jacob S. Robbins

022 words

Drawing