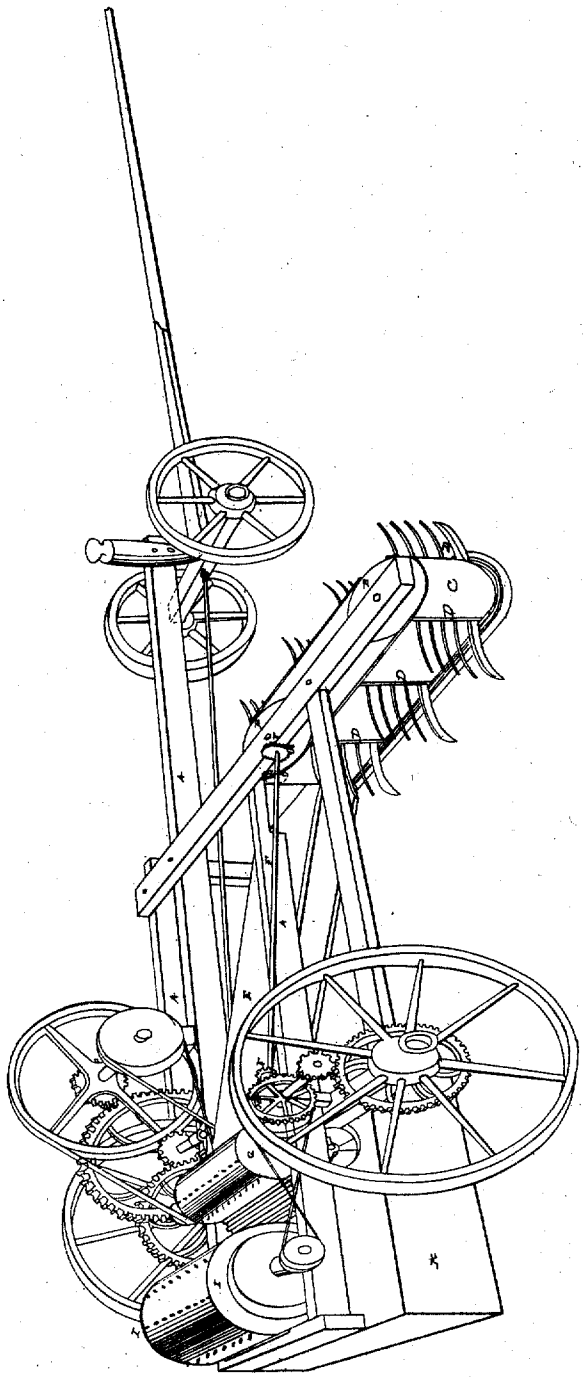
9354X

E. BRIGGS & G. G. CARPENTER.

MOWING, THRASHING, AND CLEANING GRAIN.

Patented Feb. 5, 1836.



THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

9354X

Feb 5, 1836

Charlton Briggs and George G Carpenter of Franklin Co N.Y.

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 Charlton Briggs and George G Carpenter themselves of their improvement in the machine for Weeding, Thrashing and cleaning Grain

To all to whom these Presents shall come: Be it known that We Charlton Briggs and George G Carpenter of East Livingston in the County of Franklin and State of New York, have invented a new and useful improvement in Weeding Thrashing and Cleaning Grain, and that the following is a full and exact description of the construction and operation of said machine as invented by us. The machine may be erected upon four wheels, like the four wheels of a wagon, and the frame framed to it as to a Waggon. The fore axle two & four feet and the hind axle two feet long. They are nine feet apart and connected by a stout one foot wide and fourteen feet long, with a plat attached framed to straight two feet from it, but eleven feet long. To the right are two Cylinders six feet long, and four feet apart attached to an arbor parallel with and six feet from the hind axletrees by arms winding them thirty two and a half degrees as they incline to each. a Crank connected to the Cylinder arm will meet a guard rod on the parallel with and forty two screw between the Cylinders forward of their edges to let the coal grain slide down from it on to the first feeder, enclosing two arbors three feet long and six inches deep fitted with the Cylinders above by timbers framed to the axle and hind axletrees. Said first feeder will run parallel with the Cylinders, and at right angles and convey the grain on to a second feeder of like fashion, but running backwards six feet conveys the grain up between the Cylinders into the thrash or wheel is two feet long, and one in diameter Circularly fitted

of this is a cylinder two feet long and — equal diameter having teeth to separate the straw from the grain and these renders it a concave of half inch spaces, said bars set to an angle of forty five degrees, under the forward of this is a cylinder one foot in diameter with an aperture in its back and inside a fan, to blow the chaff as the grain falls through the concave into a large box. To the right hand wheel hub attach a cogged wheel two feet in diameter geared to a nine inch wheel on the arbor of a two inch pulley with a belt enclose this with an eight inch pulley on the lythe arbor join to the two inch an eighteen pulley enclosed with a band around the inner feed roll. inclose also the eighteen inch with a band around a six inch pulley on the separators arbor, joined to a seven by inch pulley enclosed by a band around a three inch pulley on the fan. But when expedient let there be instead of the above described lythe and first feeder a beam reaching from the two axletree three feet forward, and one upward, affixed to the fore end of this a beam four feet long parallel with the axletree two and a half feet below this frame. to the latter beam be hewn three two pendent beams, put two upright cylinders eighteen inches in diameter and two feet asunder, enclosed them with a belt two and a half feet wide, having in it eight upright rods, to each rod four fingers and a lythe each one foot long the lower ends of said rods make an angle from the lythes heel backward eight inches and mount in a groove between the fenders of the cylinders to keep the lythes and fingers at right angles with the belt while culling and conveying the grain on to the feeder of the thresher. these upright cylinders may be geared to the right hand wheel by two plain cogged wheels connected by an arbor three feet long. Attach to the left hand wheel hub a cogged wheel, two feet in diameter geared to an eight inch wheel on an arbor ten inches long placed on the inside and on a plank five feet long

framed to the reach and a wheel two and a half feet in diameter is joined to the eight inch and geared to a seven inch wheel on the arbor of a two foot wheel geared to a six inch wheel on the arbor of the threshers; the arbor of the two foot wheel rests ten inches above the sides of the threshers on posts, and on it is a nine inch pulley, around which is a band crossed enclosing the hand feed Roll.

As when the machine is moved forward, the left hind wheel following in the track of the left fore wheel; the whole of which receiving its propelling power from the team that moves it.

We claim especially the manner and principles of applying the power of a team to calling, threshing, and cleaning grain, by moving forward the machine, of calling grain of conveying it to the threshers, of threshing and of cleaning grain by power so applied.

In witness that the foregoing is a true and correct description of our said invention We have hereunto set our hands in Fort Covington aforesaid on the twenty ninth day of October in the year of our Lord one thousand Eight hundred and thirty five

Witnesses
Daniel Parkhurst
J. Wallace

Elisha Briggs
George G. Carpenter

(996 words) Drawing

(Granted 5th February 1836)