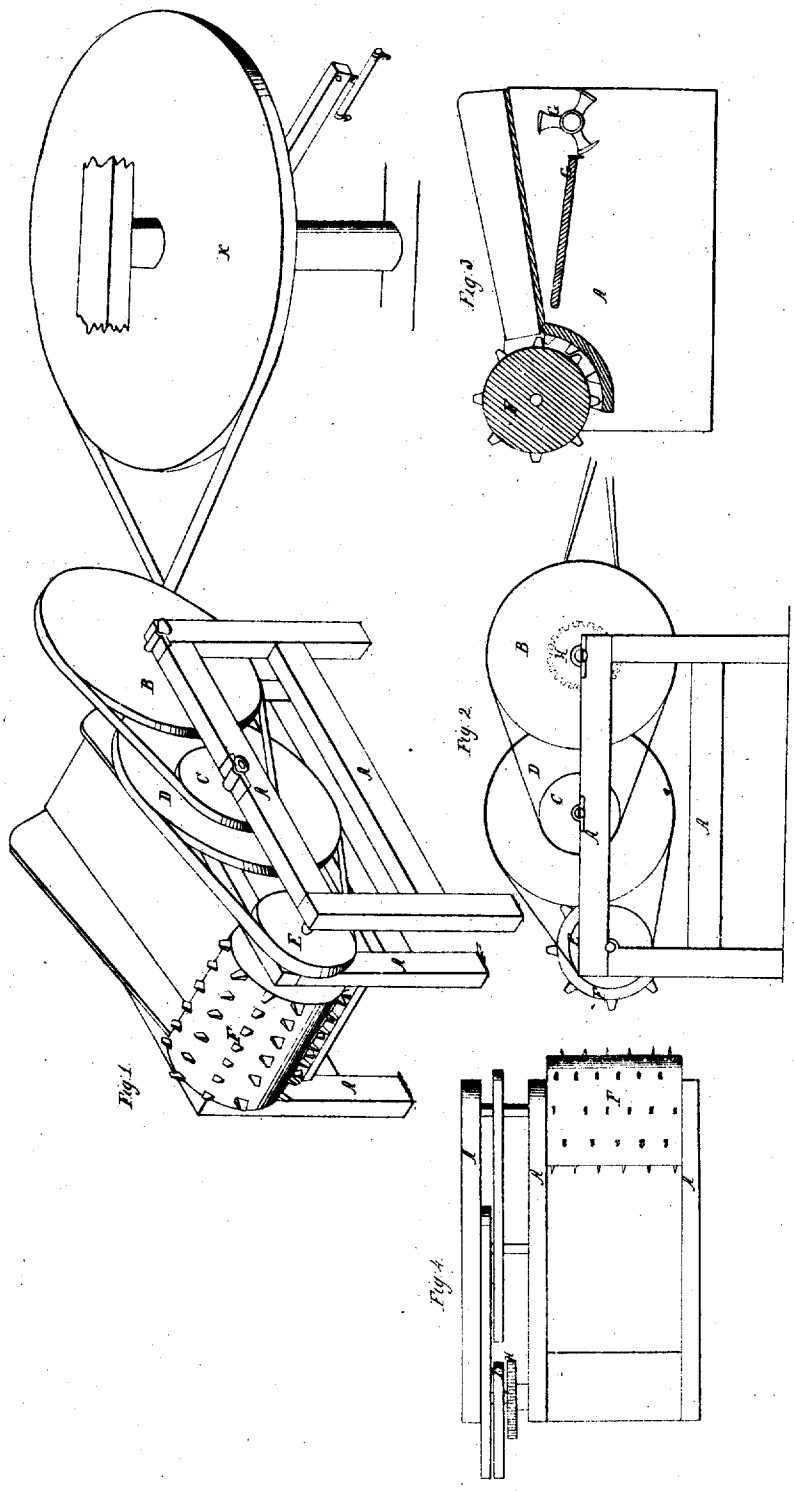
8498X

J. Stewart.

Thrashing Mach.

Patented Nov. 17, 1834.



8498X

March 17 1834

John Stewart Cambridge Md

Letters Patent

6496Y

To all to whom these presents shall come Be it known that I John Stewart of the Town of Cambridge in the County of Dorchester and State of Maryland have invented a new and useful improvement in the Machine for Threshing grain and cutting straw and that the following is a full and exact description thereof—

The nature of my Threshing Machine of the usual construction consists in the application that the side of the frame which has the wheels thereon is made double to receive a shaft which wheels are intended to give the velocity required to the Threshing Cylinder—These wheels are made as follows.—at the top of the frame and at the opposite side of the Threshing Cylinder is an axle on which is a band wheel of about five feet diameter—a pinion which receives the band from the first mentioned band wheel to be hereafter mentioned and a small Cog wheel of eighteen or twenty inches diameter which gives motion to the straw Cutter to be hereafter described immediately below this axle is another similar to it on which is a small pinion that receives its motion from the band wheel above described and on the side of it a band wheel of five feet diameter which gives the motion to the band on the axle of the Threshing Machine.

At some distance from the Threshing Machine is a frame on which works a horizontal band wheel of six or eight feet diameter to be propelled by horse or other animal power A band from this wheel goes around a wheel as above described The straw cutter consists of two rollers which are nine and which is as long as the width of the Threshing Machine

Here one and three small Cog wheels receive the motion from the Cog wheel as before mentioned and are attached to the cutting knives On the side of the frame is a feeding box in all of this

38. 8498x Nov 17, 1834

Saw Cutters fixed with Steel Knives & Stamped with the Cutters, till the set
of the Machine shall the Cutters and any of them can be removed from the
Machine at pleasure the Machine is formed in the following Manner Of
Cast Iron Journal Bonnets attached to the Frame in the shape of the Segment of a
Circle which and as the work by means of the Graduation of Lead holes the
Saw Machine is put in Motion The Threading Machine and Saw Cutter
is constructed to work at the same time. When the Threading Machine
is finished the Saw Cutter is removed and takes the Saw Cutter Separate
The leading part of the Threading Machine must be taken off and also the
part from the Threading Cylinder I do not Claim to be the Inventor of the
Threading Machine or Saw Cutter as both are public property but what
I do claim to be the invention of said Improved Self Setting Detach in the
Construction of the Machine and the general arrangement of
the several parts as above described

Witness my hand this above is a full and exact description
of my Improvement I have hereunto subscribed my name this 14 day of
October 1834

Witness
Nott Clark
Geo Wells

D Chas Stewart

Drawing

6.75 acc