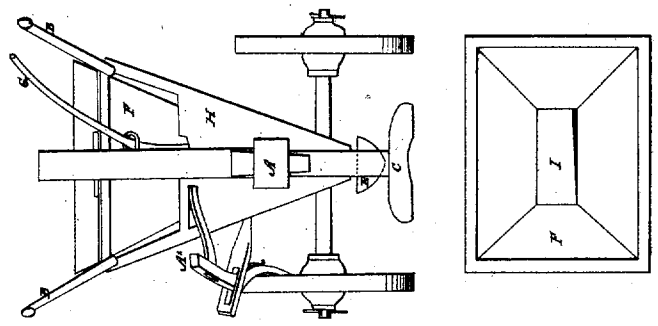
8920X

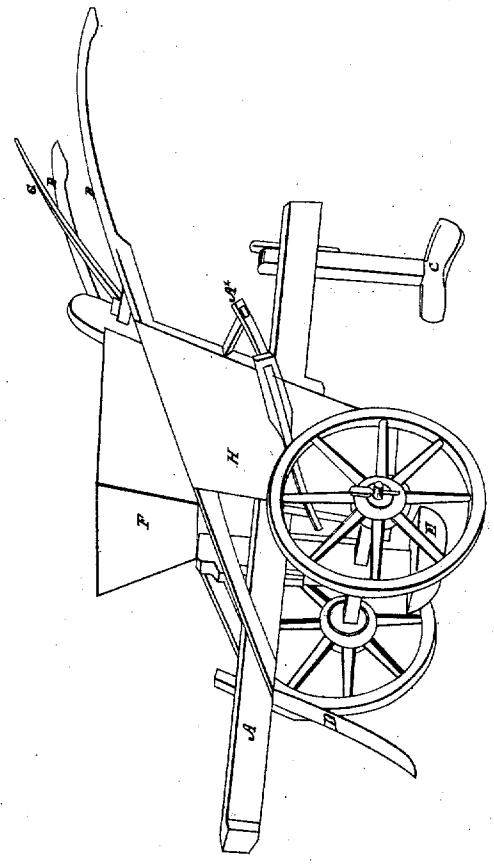
J. Catling.

Cotton Planter.

No

Patented Jun. 20, 1836.





N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

Cotton Gathering. Mayfield Brough, North Carolina.

Letters Patent.

The Schedule referred to in these Letters Patent and making part of the same Certain Improved Description in the Specification of the said Cotton Gathering Machine of Improvements in the Cotton Stripper.

To all to whom these presents shall come. Be it known that I Cotton Gathering of Mayfield Brough in the County of Hartford and State of North Carolina have invented a new and useful Improvement in the Cotton Picker and that the following is a full and exact description of the construction and operation of the said Machine as invented or contemplated by me, having reference to the annexed Drawings forming part of this specification by means whereof in carrying it into effect by which the operation of the cotton stripper is explained.

The nature of the invention consists in the arrangement of the stripper fingers and the manner in which they are operated as hereinafter fully described and pointed out in the claim.

To enable others skilled in the art to which it appertains to make and use my invention I will proceed to describe the construction and operation of the same.

In the accompanying drawings A is the frame of the machine which may be of any suitable construction and size to suit the work required of it. B B are the stripper fingers which are made of steel wire bent to the form shown in the drawings and are secured to the bar C which is hung in the frame A in such a manner that it can be raised and lowered as required. The fingers B B are arranged in two rows and are set in the bar C in such a manner that the fingers of the front row will pass between those of the rear row when the bar C is raised and lowered. The bar C is raised and lowered by means of the lever D which is pivoted to the frame A and is connected to the bar C by the rod E. The lever D is operated by the hand of the operator.

The fingers B B are set in the bar C in such a manner that they will pass between the teeth of the comb F when the bar C is raised and lowered. The comb F is secured to the frame A and is provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of rollers G G which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers G G are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers H H which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers H H are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers I I which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers I I are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers J J which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers J J are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers K K which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers K K are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers L L which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers L L are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers M M which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers M M are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers N N which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers N N are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers O O which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers O O are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers P P which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers P P are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers Q Q which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers Q Q are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers R R which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers R R are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers S S which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers S S are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers T T which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers T T are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers U U which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers U U are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers V V which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers V V are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers W W which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers W W are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers X X which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers X X are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers Y Y which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers Y Y are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

The machine is provided with a pair of guide rollers Z Z which are mounted in the frame A and are driven by means of a belt and pulley from the main shaft of the machine. The rollers Z Z are provided with a number of teeth which are set at such a distance apart that the fingers B B will pass between them when the bar C is raised and lowered.

the beam of the Plough as usual. In order to distribute the seed without the following apparatus, consisting of a hopper open or wide at the between the handles just behind the spreaders which is there screwed to the handles the shape which best adapted by using an oblong following the length of the beam.

To the bottom of the pipe tubes (which are gradually & approach each other as they descend) is affixed a shutter or slide board, so as to close up the opening when desired either entirely (as when in turning or on spot not to be sown) or in part so as to sow but a given portion of seed such as may be required & the Sowing. This motion to be given to this slide board is produced by the following arrangement; a broad piece of leather which I find to answer well as any thing else) is fastened to the bottom of the front side of the hopper so as to allow the board to shake from side to side, and on the opposite or back side of the hopper another piece of leather is attached to the under side of the slide board or a pin is passed through it & the end of a long lever or handle consisting of a slender shaft sufficiently long to reach to the end of the plough handle so as to be grasped at the same time that with when desired. This shaft is supported beneath the beam which keeps the handles apart by means of a staple or eye secured thereto and in which it plays from side to side.

Beneath this first hopper intended to contain the seed is placed another including the lower part of it & descending by a gradual diminution of its width so as to leave below the beam, where the sides approach the near- est a long narrow opening of about two or three inches in length and about one in breadth through which the seed passes into the tubes previously opened by the tube or spreader & corresponding hole made through the beam by shaking the shaft handle or moving it from side to side as the plough advances the staple forming the fulcrum regulates the distance to which the slide board can move from side to side the pin through it and the end of the shaft serving as a pivot and the leather hinge being sufficient elastic to admit of the same motion. In this manner a long triangular opening is formed at each stroke or movement of the shaft and slide board on say the left hand side (as being the most handy) during the progress of the plough and should it be desired in turning or on other occasions the opening may be effectually closed so as to prevent the passage of the seed by pressing the shaft to the plough handle of the opposite side & the triangular opening is retained there by the grasp of the hand assisted both under the sowing & non-sowing.

What I claim as being new and not previously known

8920X

In the above entitled Machine is not the arrangement of the whole Machine but only that part of it which performs the operation of distributing the Sorting of Seed intended to be set all from the first Hopper to the second and consisting of the Combination formed by the Slide board attached as described to the hopper and moved from side to side by the Hook suspended from the back by the eye & working with the slide board by means of the pressure Spring. Also the use of the second Hopper below, adjusted with the hole through the beam.

These Sorting combined upon the principle of regulating the feeding by the hand at pleasure so as to distribute more or less or to cause the passage altogether as desired. In testimony that the above is a full and clear description of the Construction and principles adopted in the Mode of operation I have hereunto set my hand this twenty fifth day of June Eighteen Hundred and Thirty five

Witnesses
C. H. H. Thurber
Henry Stone

Hiram Gathing

(Drawing)

1168 words