

N. B. SHERWOOD.

Cotton-Planter

No. 55,373.

Patented June 5, 1866.

Fig. 1.

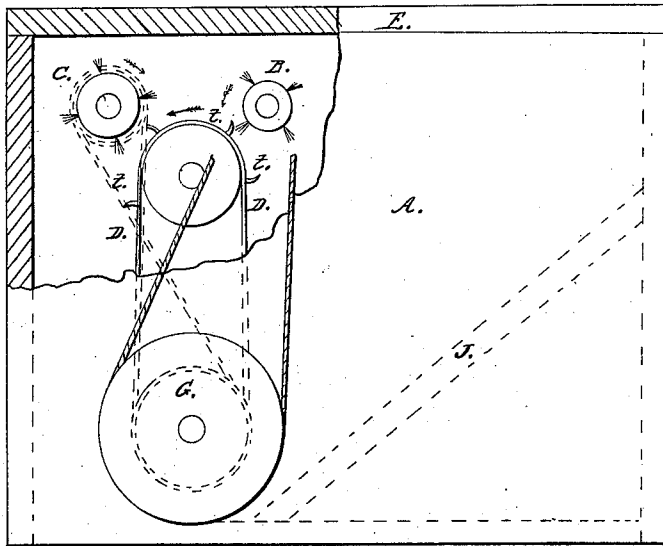
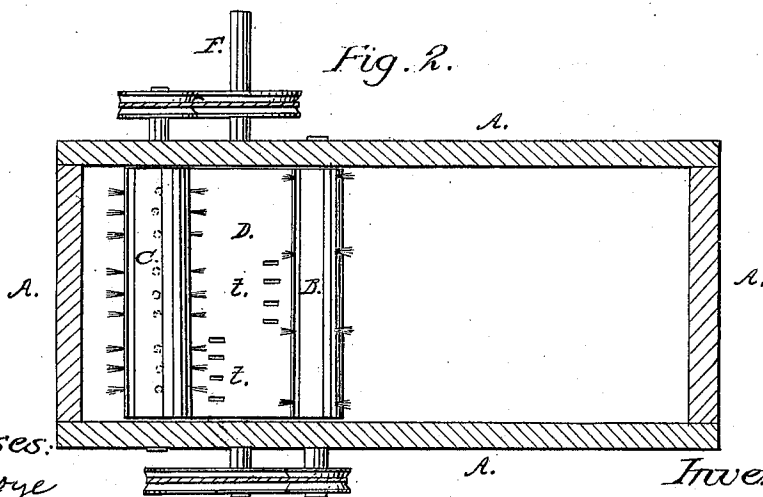


Fig. 2.



Witnesses:
Edwin S. Boye
Jas Loughtonrough.

Inventor:
N. B. Sherwood
By his atty
Jas Loughtonrough.

UNITED STATES PATENT OFFICE.

N. B. SHERWOOD, OF MILLVILLE, NEW YORK.

IMPROVEMENT IN COTTON-SEED PLANTERS.

Specification forming part of Letters Patent No. 55,373, dated June 5, 1866.

To all whom it may concern:

Be it known that I, N. B. SHERWOOD, of Millville, in the county of Orleans and State of New York, have invented a new and useful Improvement in Cotton-Seed Planters; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side elevation of my machine, a portion of the case A being broken away so as to show the relative arrangement of the separating brush-roller B, discharge-roller C, and the distributing or delivery belt D. Fig. 2 is a plan or top view of the same with the cover E removed. The arrows indicate the direction in which the parts revolve.

Similar letters of reference indicate corresponding parts in both figures.

This invention relates more especially to my former application, filed February 21, 1866; and it consists in the application of a separating brush-roller at or near the top of the toothed delivery-belt, the tufts of bristles in the roller being so disposed as to sweep between the clusters of teeth in the delivery-belt for the purpose of effecting a more perfect and uniform delivery of the seed.

To enable others to make and use my invention, I will describe its construction and operation.

I use the same case A as that shown in my former application. The toothed endless belt D and the revolving brush or discharge-roller C are the same as those presented in my former application, and the case or cases (for several may be used in a machine) are applied in the same manner. There should be as many cases A attached to each machine as the number of rows of seed which it is desired to plant. The

connection between the ground or driving wheels of the machine and the moving parts of this case may be made to the end E of the shaft of the lower belt-roller. (Shown by dotted lines G, Fig. 1.)

I arrange the clusters of teeth *t*, as before, diagonally across the belt D, with a space of one tooth (more or less) between the clusters. The discharge-roller C may be constructed the same; but I now arrange it at the top of the belt, as intimated in my former application.

The revolving separator-brush B, I have substituted for the former stationary brush designed to accomplish the same thing. The bristles in this roller or brush are arranged to sweep between the clusters of teeth, and it being run in the same direction with the belt D, so that at the point where the bristles and belt impinge they are moving in opposite directions and at a considerably-increased speed, the quantity of seed carried out by each cluster of teeth is made very definite and uniform.

It might be desirable to use full rows of bristles longitudinally in this roller and shorten those sections of the rows that would sweep over the teeth *t*.

The dotted lines at J represent the adjustable back.

What I claim as my invention, and desire to secure by Letters Patent, is—

The employment of the revolving separator-brush B, arranged and operating in combination with the toothed delivery-belt D, substantially as and for the purposes herein shown and described.

N. B. SHERWOOD.

Witnesses:

WM. S. LOUGHBOROUGH,
EDWIN COYE.