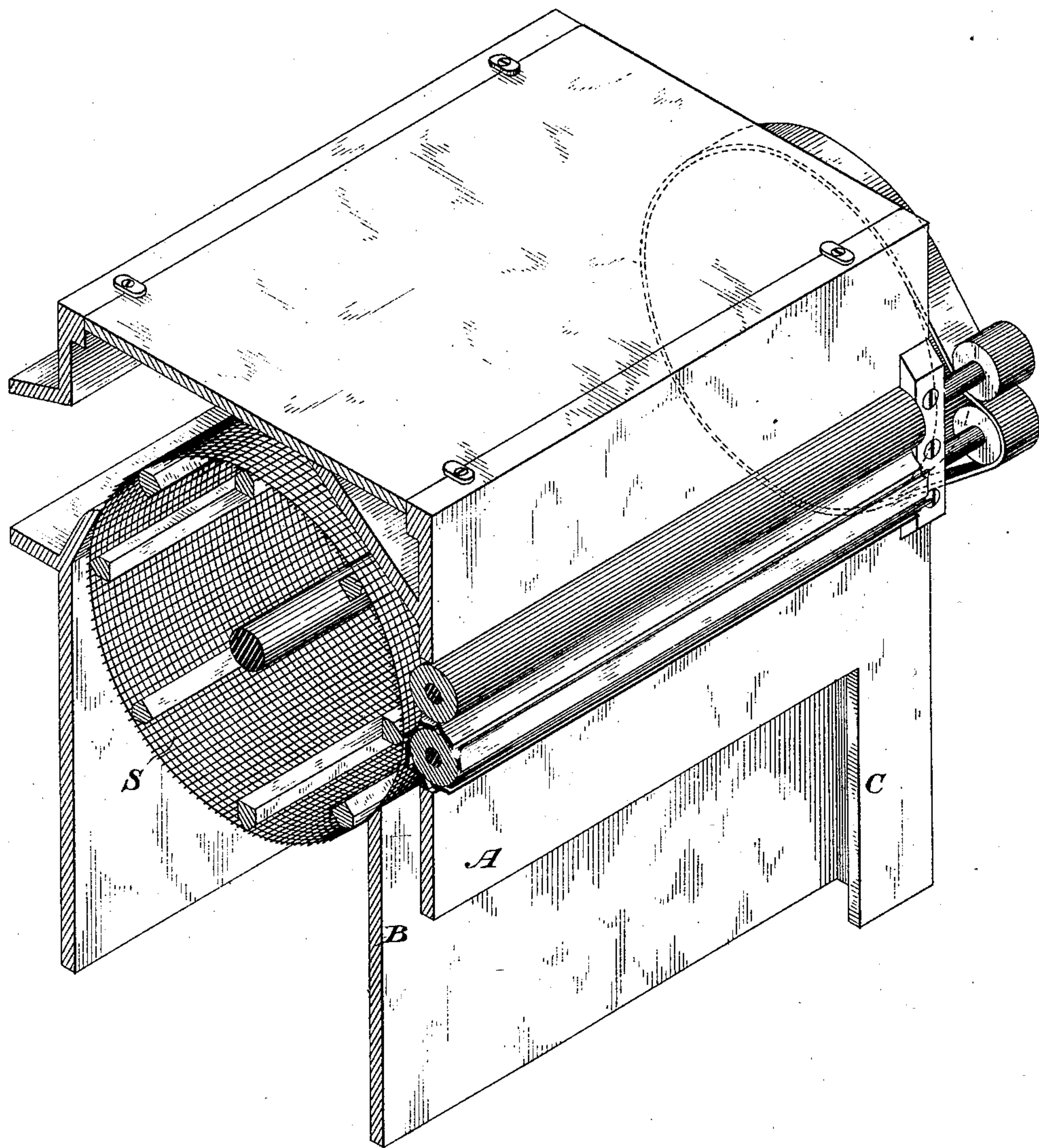


(No Model.)

G. WINSHIP.
Cotton Cleaner and Condenser.

No. 232,096.

Patented Sept. 7, 1880.



WITNESSES

Wm A. Skinkie
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UNITED STATES PATENT OFFICE.

GEORGE WINSHIP, OF ATLANTA, GEORGIA, ASSIGNOR TO HIMSELF AND
ROBERT WINSHIP.

COTTON CLEANER AND CONDENSER.

SPECIFICATION forming part of Letters Patent No. 232,096, dated September 7, 1880.

Application filed April 1, 1880. (No model.)

To all whom it may concern:

Be it known that I, GEORGE WINSHIP, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented a certain new and useful Improvement in Cotton Cleaners and Condensers, of which the following is a specification.

My invention relates to that class of cotton cleaners and condensers that have an extension or separate chamber in which a wire screen or perforated metal cylinder revolves, and to which cylinder the cotton, after passing the saws and brushes, is conveyed through a spout or tunnel, the impurities, such as dust, fine trash, &c., being sifted through the revolving cylinder, and discharged through an opening in the bottom of the extension-chamber; while the lint is deposited in a layer upon the surface of the cylinder, and then stripped off and delivered outside the chamber by a pair of doffing-rolls.

In such machines as heretofore constructed I have observed that there is a liability that some of the cotton delivered from the doffing-rolls will be caught and drawn under the bottom roll and blown out with the dust. This happens particularly when the cotton becomes piled up in rear of the condenser.

It is the object of my invention to overcome this difficulty, and accordingly I have modified the construction of the delivery end of the condenser by removing a part of the casing or planking below the rollers, and providing a secondary casing partly underneath the first, leaving a small portion of the revolving screen exposed between the two, as I will now set forth in detail by reference to the accom-

panying drawing, which is a perspective view, partly in section, of so much of a cotton cleaning and condensing apparatus as is necessary to illustrate the construction and mode of operation of my improvement.

A indicates a portion of the ordinary casing immediately under the doffing-roll, and impinging against it.

B indicates a secondary casing, which extends to the base of the condenser below and impinges at its top against the revolving screen S. Whenever any cotton is caught by the lower doffing-roller and carried under or behind the casing A it will be met by a sufficient blast from the revolving screen to cause it to pass down between the two casings; but should any cotton adhere to the screen it will be cleared off by the secondary casing.

I provide on either side strips C, which turn the blast toward the center of the condenser, and prevent small particles of cotton being blown out at either side and wasted.

Having thus described the nature, object, and construction of my improvement, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the doffing-rolls and condensing-cylinder, of the partial casing A and the secondary casing B, substantially as described.

2. The combination, with the doffing-rolls and condensing-cylinder, of the partial casing A, the secondary casing B, and the strips C, substantially as described.

GEORGE WINSHIP.

Witnesses:

WM. M. WILLIAMS,
JOHN RHEA.