

(No Model.)

A. L. STIETENROTH.
FEEDER FOR COTTON GINS.

No. 305,721.

Patented Sept. 23, 1884.

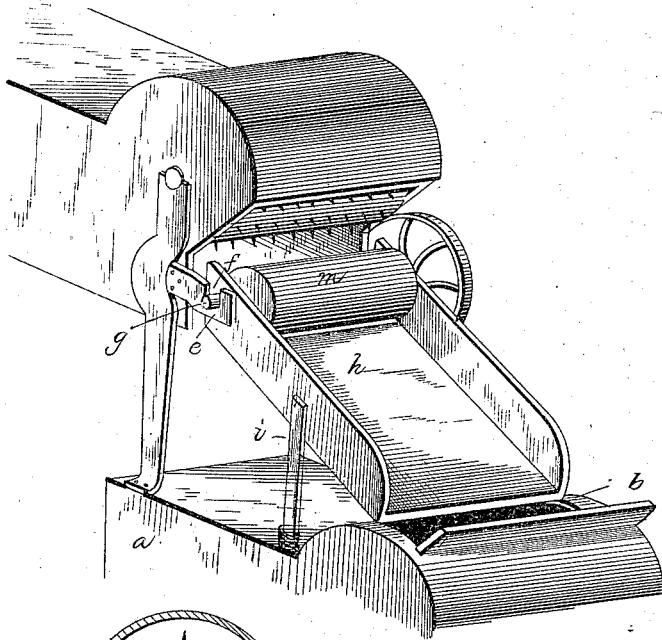


Fig. 7.

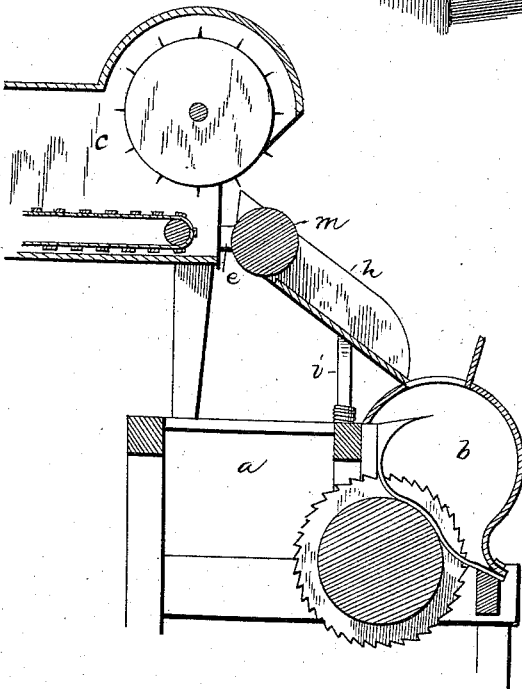


Fig. 8.

WITNESSES
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UNITED STATES PATENT OFFICE.

ANDREW LIVINGSTON STIETENROTH, OF NATCHEZ, MISSISSIPPI, ASSIGNOR
OF ONE-HALF TO FRED J. V. LE CAND, OF SAME PLACE.

FEEDER FOR COTTON-GINS.

SPECIFICATION forming part of Letters Patent No. 305,721, dated September 23, 1884.

Application filed April 3, 1884. (No model.)

To all whom it may concern:

Be it known that I, ANDREW L. STIETENROTH, a citizen of the United States, residing at Natchez, in the county of Adams and State of Mississippi, have invented a new and useful Feeder for Cotton-Gins, of which the following is a specification, reference being had to the accompanying drawings.

This invention has relation to feeders for cotton-gins; and it consists in the construction and novel arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claims.

Figure 1 is a perspective view of a gin-feeder and feed-box with my improvements attached, and Fig. 2 is a vertical sectional view of the detachable feeder.

Referring by letter to the accompanying drawings, *a* designates the gin-frame; *b*, the feed-box; *c*, the feeder, of any ordinary construction, which is set back a suitable distance on the gin-frame, instead of being placed with its discharge end over the mouth of the feed-box, as is commonly practiced. The forward end of the feeder *c* is provided with hangers *e e*, the bearings *f f* of which open upward, and in these bearings are pivoted the journals *g g*, of roller *m*, which projects through sides of the inclined plane *h* near its upper end. It is plain that any other fixture which would serve as a pivot or bearing either detachable or permanent, as a hinge, might be used without altering the character of the contrivance. Intermediate of its pivoted upper end and its lower end this inclined plane, which may be of wood or any other material, has suitable legs, as at *i*, provided with spring-connections at their lower ends, which permit a vibrating motion to be given to the inclined

plane when the feed-roller is revolved, to assist in shaking down the cotton that is thrown from the feeder on the inclined plane. A revolving feed-roller, *m*, rotated by a belt or cord from either of the shafts of the cotton-gin by a pulley, serves to feed forward or throw the cotton which is dropped at the upper end down the inclined plane. The said roll is not in all cases indispensable, but is used when the elevation is not great enough to carry off the cotton readily.

The connections between the inclined plane and the feeder and gin are all made readily detachable, so that the inclined plane can be instantly detached from the cotton gin and feeder without loss of time for cleaning the brush, saws, or grates.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination, with the gin-feeder provided with hangers having open-top bearings, of an inclined plane journaled or pivoted at its upper end in said bearings, and provided with suitably-supported springs and a revolving feed-roller for feeding the cotton on the incline, substantially as specified.

2. The combination, with the cotton-gin feeder and the feed-box of a cotton-gin, of an inclined plane connected to the gin-feeder, and provided with spring-supported legs and a revolving feed-roller, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ANDREW LIVINGSTON STIETENROTH.

Witnesses:

FRED J. V. LE CAND,
JOHN HARPER.