

(No Model.)

R. H. GOLDSMITH.

COTTON WHIPPER.

No. 255,279.

Patented Mar. 21, 1882.

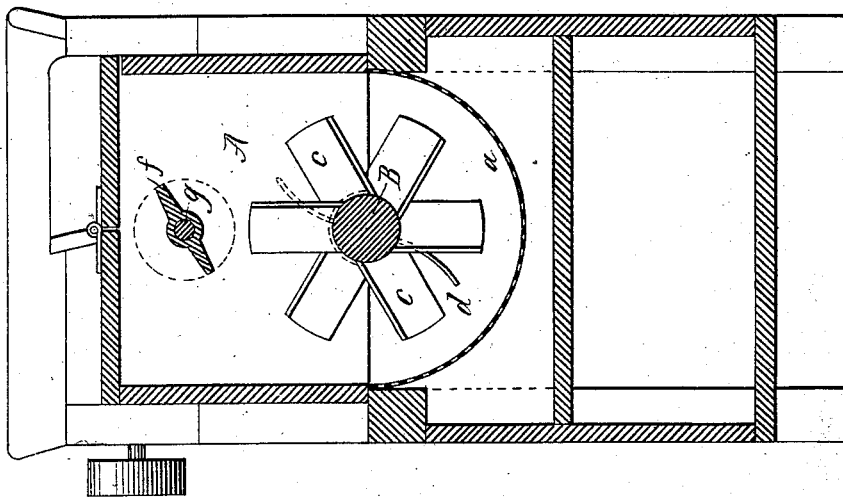


Fig. 3.

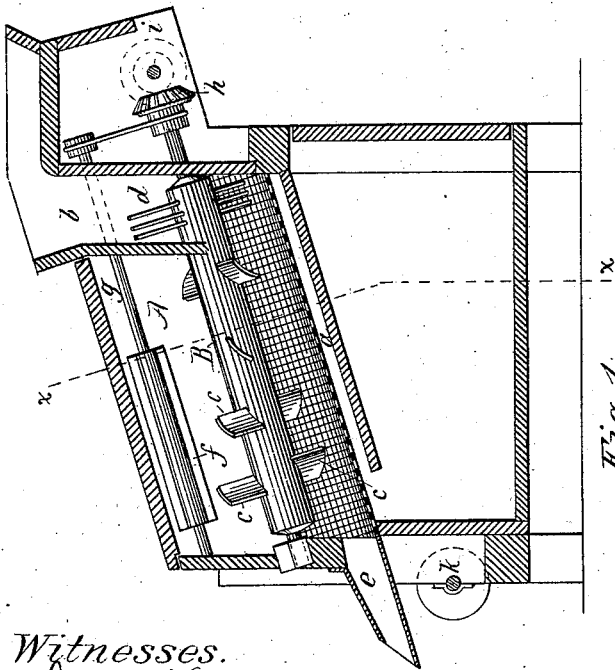


Fig. 1.

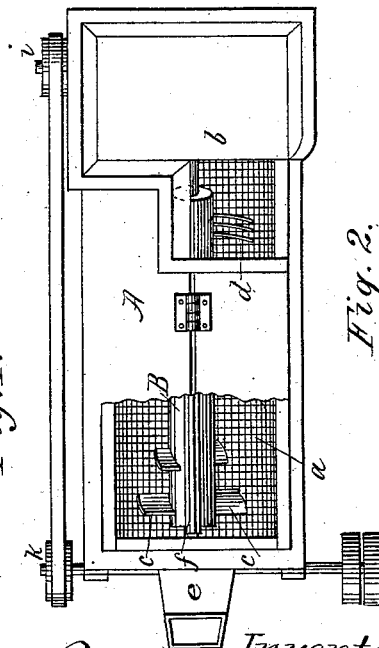


Fig. 2.

Witnesses.

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ROSE H. GOLDSMITH, OF CHARLESTON, SOUTH CAROLINA.

COTTON-WHIPPER.

SPECIFICATION forming part of Letters Patent No. 255,279, dated March 21, 1882.

Application filed September 15, 1881. (No model.)

To all whom it may concern :

Be it known that I, ROSE H. GOLDSMITH, of Charleston, Charleston county, South Carolina, have invented an Improvement in Cotton-Whippers, of which the following is a specification.

The invention consists in combining certain instrumentalities, as hereinafter described and claimed.

Figure 1 is a vertical longitudinal section of the machine. Fig. 2 is a plan view of the same. Fig. 3 is a transverse section on line *xx* of Fig. 1.

A represents a box of an oblong form with an inclined bottom, *a*, formed of wire-cloth. At the upper end of this box is a feed-spout, *b*, and a shaft, B, carrying the whipper-arms *c*, arranged spirally and extending nearly in contact with the rounded bottom *a*.

On the upper end of shaft B, and within the spout *b*, are arms *d*, which carry the cotton from the spout into the box A, which has a delivery-opening and spout, *e*. *f* is a roller on a shaft, *g*, arranged above and parallel to shaft B, and provided with longitudinal blades. The shafts B *g* are connected by a belt and pulleys, while

the shaft B has a bevel-pinion, which meshes with a similar one on a cross-shaft, *i*, which is driven by a belt from a main shaft, *k*.

The operation is as follows: The cotton is placed in the spout *b* and carried by the feed-arms *d* down into the box, where it is thoroughly separated by the whipper-arms and carried to the delivery end without cutting the staple. The dust escapes through the wire-cloth bottom, while the roller *f* serves to press the cotton into contact with the whippers.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new is—

The combination, with the shaft B, provided with the whipper-arms *c*, and the box A, of the longitudinally-bladed parallel and superposed roll *f*, and suitable mechanism for rotating the same, whereby the said roll is caused to press the cotton to the whipper-arms, as described.

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Witnesses:

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