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 x x 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-spool, 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.

ROSE H. GOLDSMITH.

Witnesses:

HOWARD JACKSON,

A. A. GOLDSMITH.