To all whom it may concern:

Be it known that I, R. E. Bowen, of George's Creek, in the county of Pickens and State of South Carolina, have invented a new and Improved Cotton-Planter; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a longitudinal sectional elevation; and Fig. 2 a plan view, the several features of my invention being clearly shown.

My invention consists in a certain arrangement of distributing-spool with relation to other parts, whereby the escape of seed can be easily and quickly arrested, as hereinafter described.

In the drawing, A represents a hopper placed between the two longitudinal pieces B B that converge toward the front, where is placed a furrowing-plow, adjustable by a wedge in the usual way. This hopper rests upon two cross-pieces, b b, and to it is sub-jectively hung, by flexible connections a, a shaker-spool, D, whose inside cavity converges from front to rear, and whose heavy end is provided with arms d d, that rest on the side pins e e of a front wheel, E. The latter is placed in the middle vertical and longitudinal plane of the machine, and its shaft e' is jour-naled in the side pieces B B. At the small and rear end of the shaker is attached a rod or other suitable connection, which passes up through a keeper, f, of one of the handles F F, and comes within easy reach of the operator. It may also be made to fasten in a catch, ratchet, or other device for holding it.

The object of this is to enable the driver, when he arrives at the end of a row or "land," to lift and draw back the shaker, so that the pins of front wheel will no longer strike the arms d d, but so that they will be permitted to rest on a cross strap, plate, or bar, e'. This effectually stops the distribution of seed until the turn of the planter has taken place, and it is in the proper position to again begin the operation.

G G are the rear wheels of the planter, of which the rear cross-piece B' may form the axle, as well as a part of the triangular frame B B B'. H H are covering-plows, having the bifurcated shanks h h, which enable them to be adjusted as to depth by simply moving them up and down across a clamp-screw, h', placed on the inner side of the cross-bar B'. I I are uprights rising from the cross-bar B', and tenoned in the cross-piece J, to which the handles are attached so as to hold the latter firmly and rigidly in position.

This construction produces a planter of few parts, strong, efficient, and cheap.

I do not claim a swinging spout suspended from a hopper and agitated by means of a toothed wheel; but I claim—

The combination, with the spout D, suspended from the hopper A, and provided with arms d, of the cross-bar e', arranged between said spout and the toothed wheel, and the adjusting-rod extending back to handles F, all as shown and described, to operate as specified.

ROBERT E. BOWEN.

Witnesses:

J. M. Cureton,
F. H. Fuller.