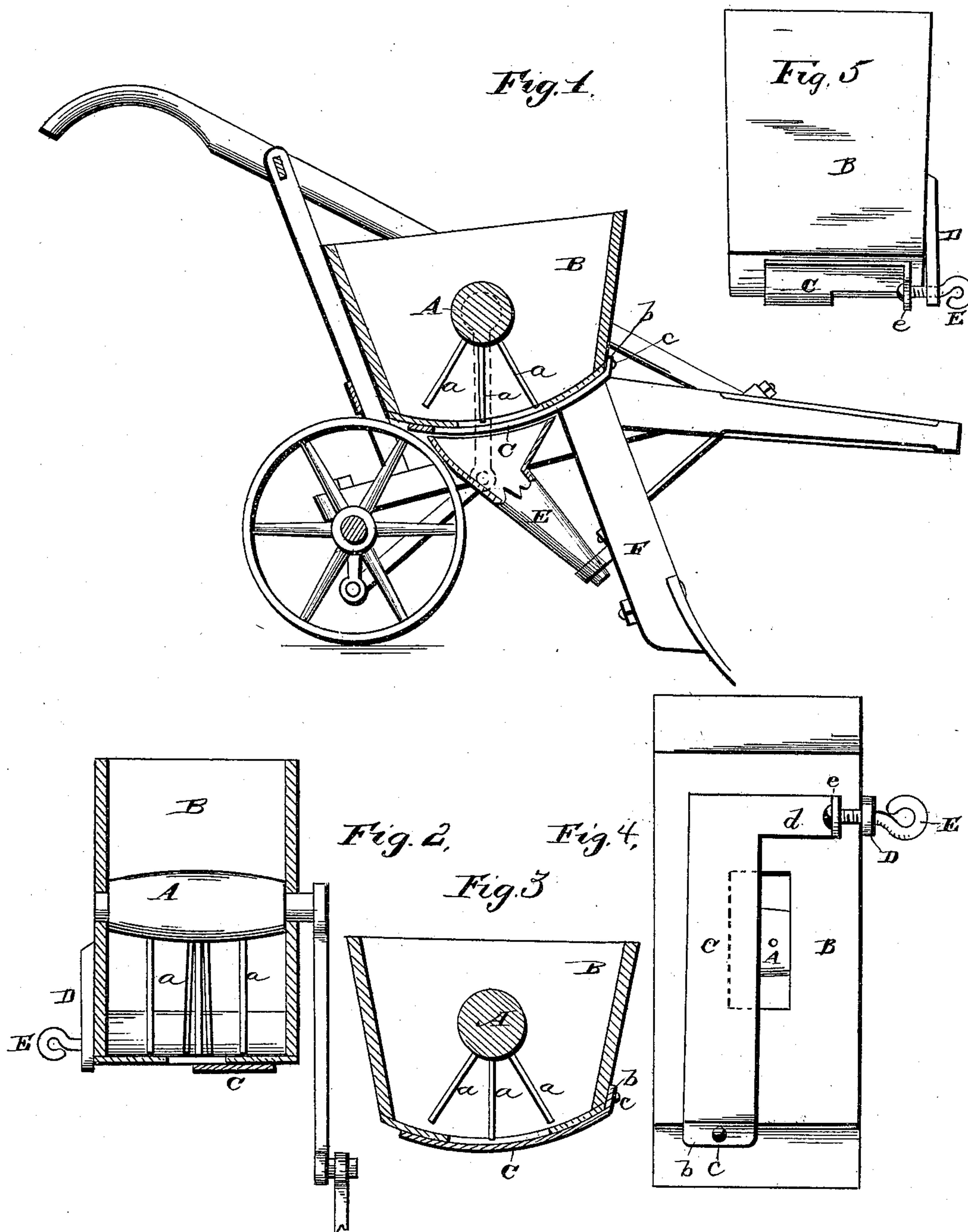


(No Model.)

D. A. SAGGUS.
Guano Distributer.

No. 230,967.

Patented Aug. 10, 1880.



WITNESSES
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DAVID A. SAGGUS, OF CRAWFORDVILLE, GEORGIA, ASSIGNOR TO HIMSELF AND GEORGE T. RHODES, OF SAME PLACE.

GUANO-DISTRIBUTER.

SPECIFICATION forming part of Letters Patent No. 230,967, dated August 10, 1880.

Application filed April 17, 1880. (No model.)

To all whom it may concern:

Be it known that I, DAVID A. SAGGUS, of Crawfordville, in the county of Taliaferro and State of Georgia, have invented certain new and useful Improvements in Guano-Distributers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Heretofore various forms of devices have been employed having the same general end in view with this invention. Different forms of valve for regulating the discharge have been used. Arms depending from the hopper side have provided bearing for thumb-screws, which latter engage with corresponding arms depending from the valves. Slide-valves and pivotal valves have been employed.

My improvement therefore does not contemplate any broad departure from the well-known forms of devices of this class; but it consists in the specific combination of parts hereinafter described and claimed.

In the drawings, Figure 1 is a longitudinal vertical section of the invention. Fig. 2 is a detail view, in vertical cross-section, of the hopper. Fig. 3 is a detail view, representing the valve in longitudinal vertical section. Fig. 4 is a detail view, in reverse plan, of the hopper-bottom provided with the valve. Fig. 5 is a detail view, representing the rear portion of the valve and means for adjusting it.

The rock-shaft A extends across the interior of the hopper B, and is provided with stirrers *a*. The valve C has its forward extremity formed with an upturned arm, *b*, pivoted at *c* to the front end of the hopper. From

this pivotal point the valve extends longitudinally beneath the hopper nearly to its rear end.

The rear extremity of the valve is formed with a transverse or lateral extension, *d*. This extension has its free end formed with a downwardly-turned arm, *e*, having a screw-thread hole. Arm D depends from the rear portion of the exterior side of the hopper, and is also provided with a screw thread hole. Thumb-screw E engages with said holes in arms D and *e*, and thereby adjusts the rear extremity of the valve so that the latter may be laterally moved upon its pivotal upturned arm *b*.

The discharge-spout E connects with the valve-opening in the bottom of the hopper and extends forward in vertical inclination. The lower end of the spout terminates just above and in the rear of the lower extremity of the plow-foot F.

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

In a guano-distributer, the combination, with valve C, having its forward extremity provided with upturned arm *b*, pivoted at *c* to the front end of hopper B, and its rear extremity provided with transverse extension *d*, of arm D, depending from the rear portion of the extension side of the hopper, and thumb-screw E, threaded in holes formed, respectively, in said arm D and in downwardly-turned arm *e*, formed on the free end of extension *d*, substantially as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand this 12th day of April, 1880.

DAVID A. SAGGUS.

Witnesses:

JACKSON GORHAM,
CHARLES A. BEAZLEY.