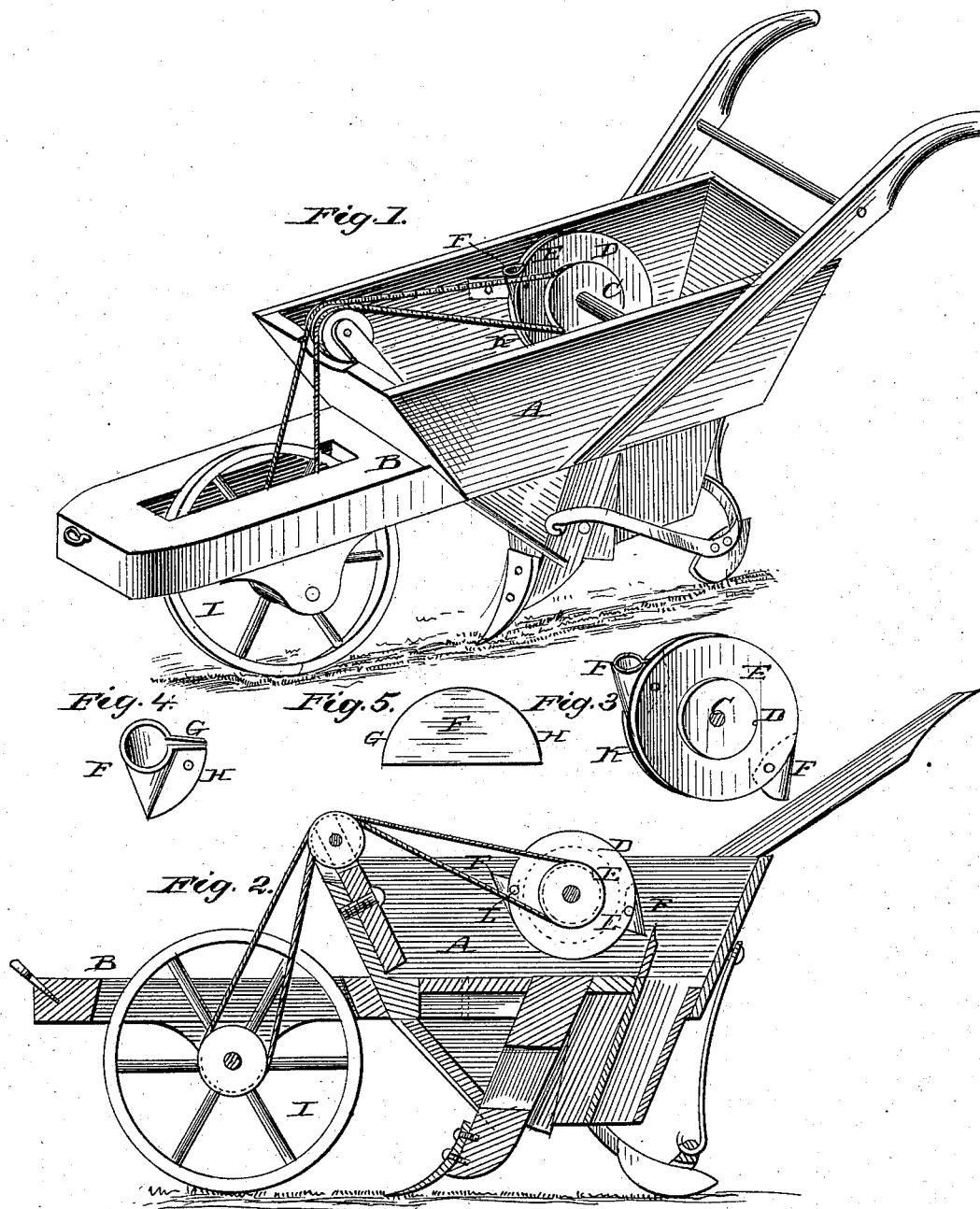


A. B. PIERSON.
Seed-Planter.

No. 217,237.

Patented July 8, 1879.



Witnesses
Ed. G. Diederich
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UNITED STATES PATENT OFFICE.

ABRAM B. PIERSON, OF MONTGOMERY, ALABAMA.

IMPROVEMENT IN SEED-PLANTERS.

Specification forming part of Letters Patent No. **217,237**, dated July 8, 1879; application filed November 6, 1878.

To all whom it may concern:

Be it known that I, ABRAM B. PIERSON, of Montgomery, in the county of Montgomery and State of Alabama, have invented certain new and useful Improvements in Seed-Planters; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view of a seed-planter embodying my improvement. Fig. 2 is a longitudinal vertical section of the same. Fig. 3 shows, in perspective, my improved bucket-wheel detached. Fig. 4 shows one of the buckets detached from the same, and Fig. 5 represents a plan view of one of the blanks from which the buckets are formed.

Similar letters of reference indicate corresponding parts in all the figures.

This invention relates to certain improvements in seed-plinters; and it consists, essentially, in the construction and arrangement of a bucket and bucket-wheel for conveying the seed from the hopper to the spout, as will be hereinafter more fully set forth, and particularly pointed out in the claims.

In the drawings hereto annexed, A represents the hopper, which is adjusted upon a suitable bed, B. Transversely in the hopper is arranged a shaft, C, carrying my improved bucket-wheel D. The latter consists of a disk, E, of wood or other suitable material, having a circumferential groove or kerf, K, in which the buckets F F are adjusted. The said buckets are made, preferably of sheet metal, from blanks, such as shown in Fig. 5 of the drawings, which, it will be seen, are simply semicircular in shape to form the buckets. The blanks are simply curved in such a manner as to form a cone-shaped receptacle, G, and the ends H are then compressed together, as shown, so as to enter the groove in the disk E, where the buckets are held in place by a pin, L, passing through the ends H.

Upon the shaft carrying the bucket-wheel is arranged a pulley or other suitable device, through which motion may be conveyed to the shaft from the drive-wheel I.

Under the hopper I arrange the seed-spout, together with the colter and coverers, all of which may be constructed in any suitable well-known manner.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation of my invention will be readily understood.

By the rotation of the bucket-wheel the buckets are filled with seed, which is conveyed to the opening in rear of the bucket-wheel, which leads to the seed-spout, through which it is then conducted to the ground, which has been opened for its reception by the colter.

I wish it to be understood that I do not confine myself to any particular construction of the planter itself, because my improved bucket-wheel may be used to advantage in planters of many different constructions.

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

1. The bucket F, constructed from a semicircular blank, curved to form a cone-shaped receptacle, G, having ends H, which are pressed together to form a single flap, substantially in the manner and for the purpose herein shown and specified.

2. The improved bucket-wheel for seed-plinters herein described, consisting of the disk E, having a circumferential groove or kerf, K, in which the buckets F F are secured by pins L, substantially as and for the purpose herein shown and specified.

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

ABRAM B. PIERSON.

Witnesses:

JOHN SAVAGE,

TILGHMAN OFFRED.