(No Model.)

T. J. SKILLIN.

GRAIN SCOOP.

No. 364,313. Patented June 7, 1887.

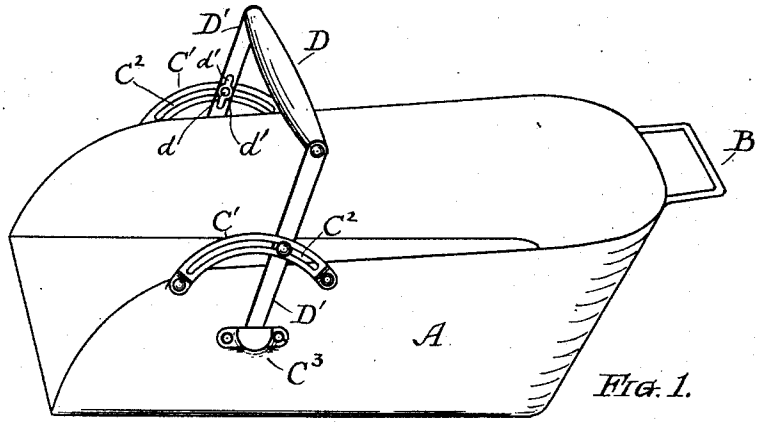


FIG. 1.

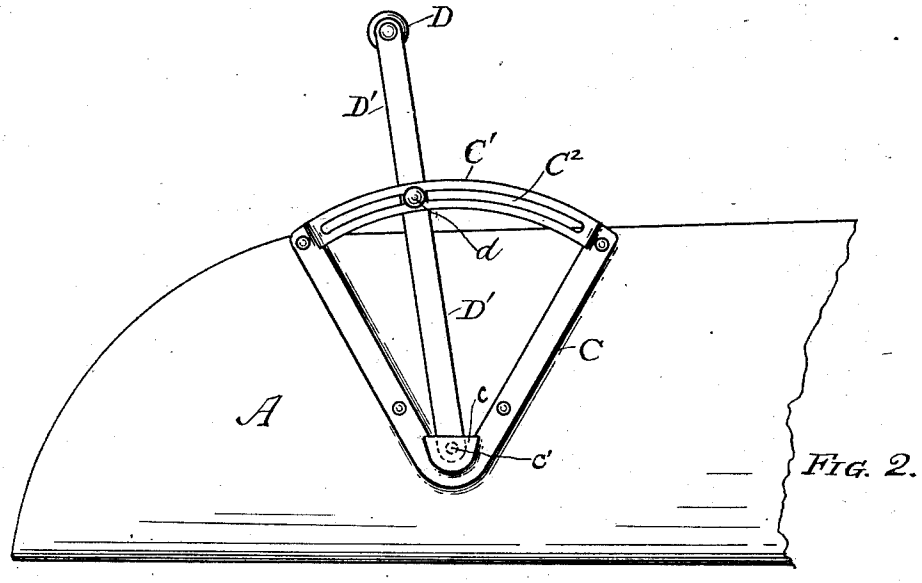


FIG. 2.

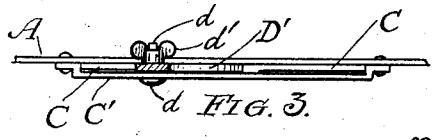


FIG. 3.

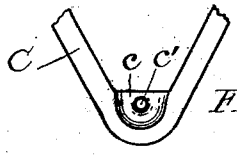


FIG. 4.

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UNITED STATES PATENT OFFICE.

THOMAS J. SKILLIN, OF OAK PARK, ILLINOIS.

GRAIN-SCOOP.

SPECIFICATION forming part of Letters Patent No. 364,313, dated June 7, 1887.

Application filed January 24, 1887. Serial No. 225,231. (No model.)

To all whom it may concern:

Be it known that I, THOMAS J. SKILLIN, of Oak Park, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Grain-Scoops, of which the following is a description, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of a grain-scoop having my improvement attached thereto. Fig. 2 is an enlarged side view in detail of a portion of a scoop, showing a modification of said construction. Fig. 3 is a plan view in detail of a part of one of the sides of said scoop, showing the manner of adjusting the bail; and Fig. 4 is an inside view of the casting to which the lower end of the bail is attached.

Like letters of reference indicate like parts in the different figures.

My invention relates to that class of grain-scoops which are provided with two handles—one at the rear and one at the front—whereby the load may be suspended directly from the hands of the operator, instead of being supported upon the end of the usual handle or lever. The objection is raised to this kind of scoop that it cannot be satisfactorily used by workmen of varying size, for the reason that the handles, being the same distance apart in all cases, might be too close together for one operator and too far apart for another, while some workmen would prefer to have the forward handle movable.

The object of my invention is to overcome these objections and to provide an adjustable handle which may be either rigid or loose, as desired, and which may be adjusted at will to meet the requirements of different workmen. I accomplish this object in the manner hereinafter more particularly described and claimed.

A in the drawings represents the body of a grain-scoop, to the rear end and at the top of which is rigidly attached a handle, B, Fig. 1. Preferably about one-third of the distance from front to rear, and upon the respective sides of said scoop, are riveted or otherwise attached sector-shaped castings C C, the bottoms of which extend to points near the bottom of the scoop. Said sectors, respectively, are preferably cast or formed in one piece, as shown in Fig. 2, and are so adjusted to the scoop that the arc C′ of each may extend above the top of the scoop. In the bottom of each of said sectors is formed a recess, *c*, (better shown in Fig. 4,) adapted to receive the lower ends of the depending parts D′ D′ of a bail, D. Each of said recesses *c* is provided with a lug, *c′*, which is shown in Fig. 4, which passes loosely into a perforation in the lower end of said bail, as indicated in dotted lines in Fig. 2.

In each of the arcs C′ are preferably formed curved slots C^2, concentric with the lug *c′*, through which slots are passed bolts *d*, provided with thumb-nuts *d′*, upon tightening which the bail may be rigidly attached to the sector; but if left loose the bail may swing to the limit of said slot.

In lieu of forming the sector in one piece, as shown in Fig. 2, which I prefer to do, as it stiffens the sides of the scoop, the ends of the arcs C′ C′ may be riveted to the sides of the scoop, as shown in Fig. 1, while separate independent ears or plates C^3 may be secured to said sides, to which the lower ends of the bail may be attached in like manner, as hereinafter described. It is obvious that by means of the thumb-nuts *d′ d′*, or other well-known fastenings, the bail B may be adjusted and rigidly secured at any required distance from the handle B, thus adapting the distance of the scoop-handles to the requirements of different workmen; or the bail D may be allowed to swing loosely, if preferred.

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

1. An adjustable bail for grain-scoops, the depending ends of which are loosely attached to the sides of the scoop, provided with means for adjusting the handle of said bail at varying distances from the rear handle of the scoop, substantially as and for the purposes set forth.

2. The combination, with a grain-scoop, of a bail loosely attached to the sides thereof, the handle of which is arranged to swing in the arc of a circle, and means, as the arcs C′ C′ and set-screws, for adjusting said bail at any point

in said arc, substantially as and for the purposes specified.

3. The combination, with a grain-scoop, of sectors attached to the respective sides thereof, a bail the ends of which are attached to the bottom of said sectors, the arcs of which are slotted, as described, with means, as bolts and thumb-nuts, for clamping said bail to said sectors, substantially as and for the purposes described.

THOMAS J. SKILLIN.

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