

(No Model.)

P. EHLERS.
ELEVATOR BUCKET.

No. 264,939.

Patented Sept. 26, 1882.

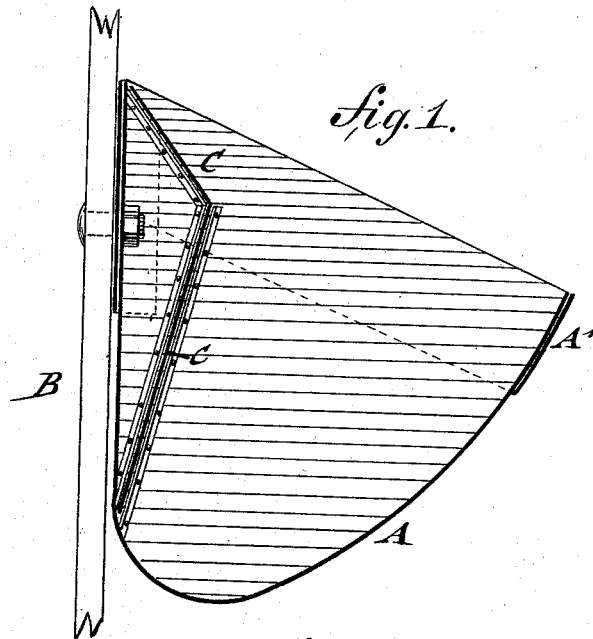


Fig. 1.

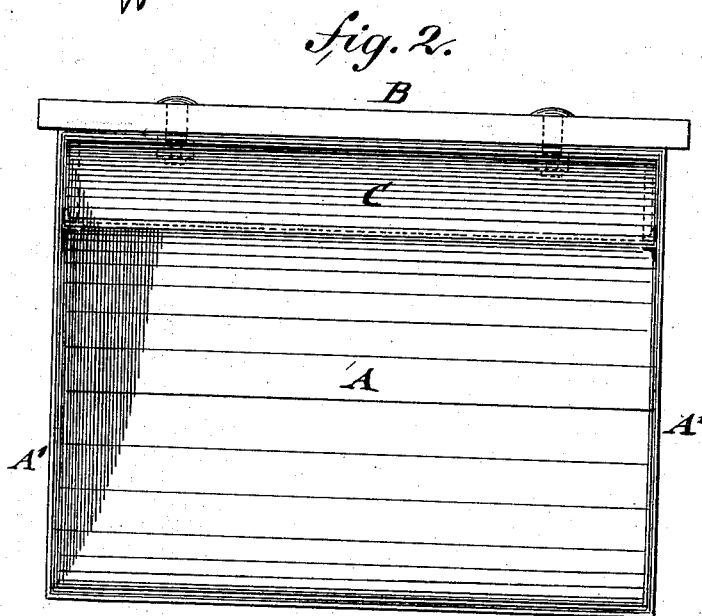


Fig. 2.

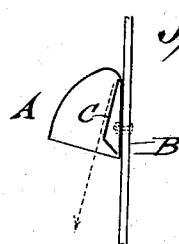


Fig. 3.

WITNESSES:

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PETER EHLERS, OF ALBANY, NEW YORK.

ELEVATOR-BUCKET.

SPECIFICATION forming part of Letters Patent No. 264,939, dated September 26, 1882.

Application filed August 25, 1882. (No model.)

To all whom it may concern:

Be it known that I, PETER EHLERS, of Albany, in the county of Albany and State of New York, have invented certain new and useful Improvements in Elevator-Buckets, of which the following is a specification.

This invention relates to an improved construction of buckets for elevators; and it consists of a bucket having an angular auxiliary inwardly-projecting rear wall for the more perfect shedding of the grain or other contents of the bucket.

In the accompanying drawings, Figure 1 represents a vertical longitudinal section of my improved elevator-bucket; Fig. 2, a top view, and Fig. 3 is a diagram showing the bucket in the position of shedding its contents.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents an elevator-bucket, the body of which is made in the usual manner of sheet metal of suitable thickness, that is re-enforced by an exterior top band, A'. At the rear wall of the bucket, where the same is attached to the elevator-belt B, is arranged an auxiliary inwardly-projecting rear wall, C, which is riveted, soldered, or otherwise fastened to the side walls of the bucket. The apex of the angle of the rear wall, C, is at a point near the upper edge of the bucket. By means of the obtuse-angled inwardly-projecting rear wall, C, the contents of the bucket are discharged in a forward direction in a line forming the protraction of the longer part of the rear wall, C, as indicated by the arrow in Fig.

3, whereby a more favorable direction is imparted to the grain or other material in the bucket in shedding its contents. A considerably smaller quantity of grain is thereby dropped by the buckets than with the common form of buckets, and consequently a more effective working capacity of the elevator obtained.

If desired, the angular auxiliary rear wall, C, can be so arranged as to be removed from the bucket, in which case it is supported on fixed inclined strips D of the side walls.

By making the rear wall removable the bucket can be screwed fast to the belt and the nuts turned tight from time to time. If this be not desired, the fastening-screws can be arranged outside of the buckets, or the nuts can be arranged at the opposite side of the belt, in which case, however, the pulleys of the elevator-belt have to be provided with annular grooves or ways for the nuts of the fasteningscrews.

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

An elevator-bucket having an angular inwardly-projecting auxiliary rear wall, for the purpose substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

PETER EHLERS.

Witnesses:

W. B. MELIUS,
T. J. SULLIVAN.