J. B. CLINE.

Elevator-Bucket.

No. 165,543. Patented July 13, 1875.

Fig 1

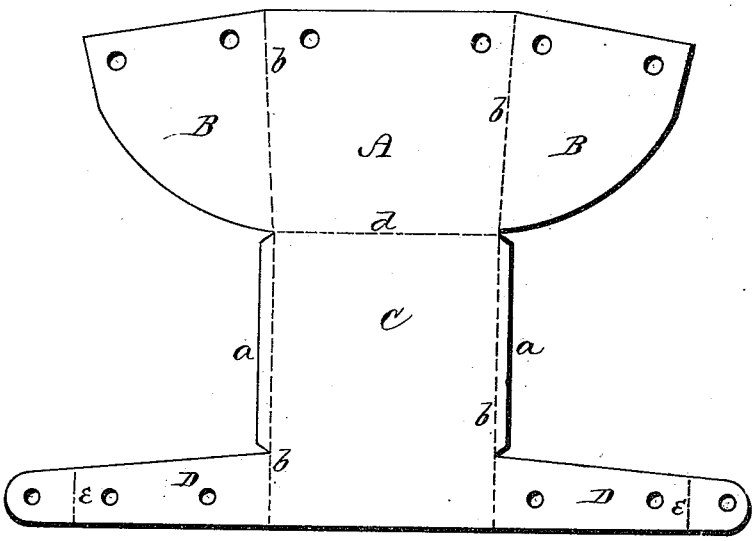
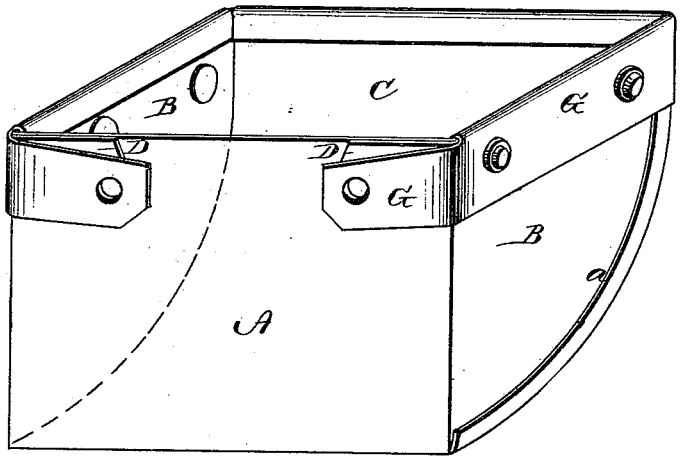


Fig 2



WITNESSES

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JOHN B. CLINE, OF JEFFERSON, IOWA.

IMPROVEMENT IN ELEVATOR-BUCKETS.

Specification forming part of Letters Patent No. **165,543**, dated July 13, 1875; application filed January 25, 1875.

To all whom it may concern:

Be it known that I, JOHN B. CLINE, of Jefferson, in the county of Greene and in the State of Iowa, have invented certain new and useful Improvements in Elevator-Cups; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction of an elevator-bucket, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a view of the blank as cut from the sheet metal, before being folded to form the bucket. Fig. 2 is a perspective view of the bucket as completed and provided with a binding-band.

My elevator-bucket is cut in one piece from any suitable sheet metal, in the form shown in Fig. 1, in which A is the back; B B, the ends; C, the front; D D, the bands, and *a a* the edges or flanges of the front to bind the ends of the cup. This blank is cut out by suitable dies, and folded in a machine for that purpose. It is first folded on the lines *b b*, bringing the sides B B, flanges *a a*, and bands D D in proper position with relation to the back A and front C. It is then bent on the line *d*, and the front C curved along or against the edges of the sides B B, which causes the flanges *a a* to overlap said edges, and the bands D D to lie against the ends or sides B B at or near their upper edges. The bands D D are then riveted to the ends B B, and their ends bent at E to lie against the back A.

For buckets of large size I use a binding band, G, on its edges, as shown in Fig. 2.

The bucket is fastened to the elevator-belt by means of rivets passing through the back A and the ends of the bands D D; and when the binding-band G is used said rivets also pass through the ends of the same.

I am aware that an elevator-cup made from a single piece of metal is not new; hence I do not claim such, broadly, as my invention. Nor do I broadly claim a band placed around the top edges of an elevator-cup, inasmuch as such has been known.

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

The elevator-cup described, made from a single piece of metal, cut to form the part A, with ends B B, central piece C, with narrow strips *a a*, and bottom projecting bands D D, all as shown in Fig. 1, and then bent into shape, all substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 14th day of December, 1874.

JOHN B. CLINE.

Witnesses:

JAMES E. CLINE,

PHILIP LOCK.