O. D. SPALDING.

Elevator-Cup.

No. 205,919. Patented July 9, 1878.

Fig. 1.

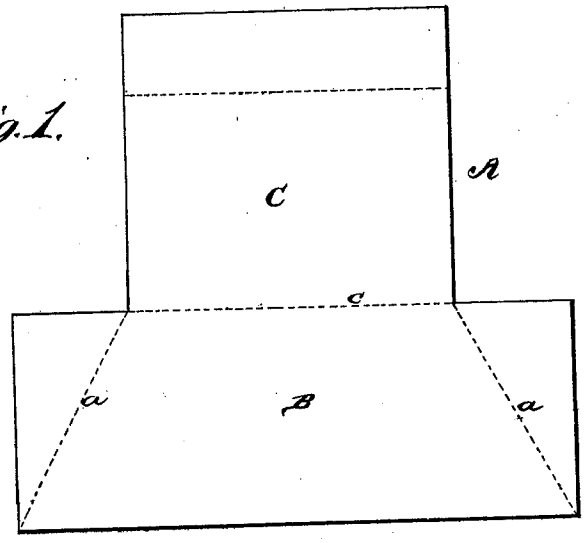



Fig. 3

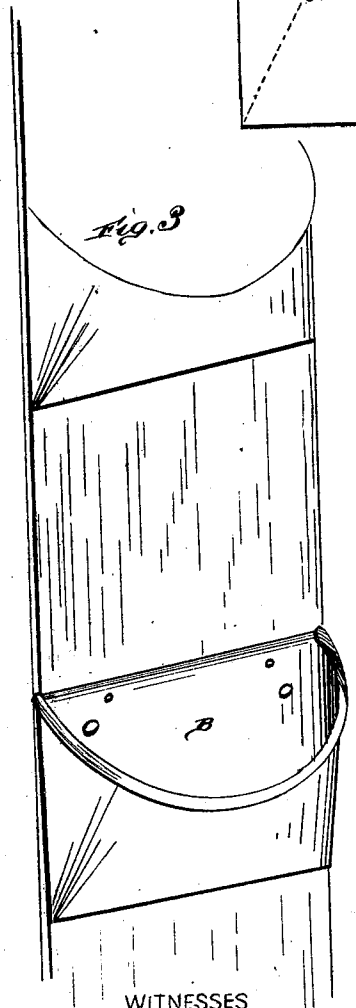
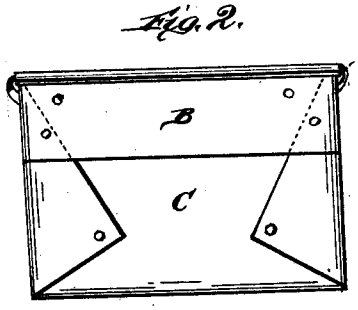



Fig. 2.




WITNESSES

John T. Blackmar.

Robert Everett

INVENTOR.

Orlando D. Spalding.

Gilmore, Smith & Co.

ATTORNEYS.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

# UNITED STATES PATENT OFFICE.

ORLANDO D. SPALDING, OF MITCHELL, IOWA, ASSIGNOR OF TWO-THIRDS HIS RIGHT TO ORIGEN S. WILLIAMS AND TIMOTHY F. WILLIAMS, OF SAME PLACE.

## IMPROVEMENT IN ELEVATOR-CUPS.

Specification forming part of Letters Patent No. **205,919**, dated July 9, 1878; application filed June 8, 1878.

*To all whom it may concern:*

Be it known that I, ORLANDO D. SPALDING, of Mitchell, in the county of Mitchell and State of Iowa, have invented a new and valuable Improvement in Elevator-Cups; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of my elevator-cup blank. Fig. 2 is a rear view of the cup, and Fig. 3 is a perspective view as applied to an elevating-belt.

My invention relates to buckets or cups for attachment to an elevating-belt for grain and other like commodities; and it consists in the novel construction of such bucket or cup from one piece of metal, leather, or suitable textile fabric, as hereinafter described, and pointed out in the claims.

A of the drawing represents a blank of tin or thin metal, leather, or suitable textile fabric, cut or stamped out in the shape of an inverted cross, as shown in Fig. 1. I take this blank, when in the position shown on said Fig. 1, and bend the upper corners of the cross-portion B rearward on the diagonal line shown by the dotted lines *a a'*, and fold them around the upright portion C. I next fold the top portion of B downward in front, on the line *c*, and rivet the parts together in the manner represented on Fig. 2. If constructed of leather or textile fabric, the parts may be profitably sewed together. Finally, I pass a supporting-wire, *f*, through the top of the fold of C, and around the circular top of portion B, within a suitable flange, and the cup is completed.

It will be observed that the act of folding the upper corners of the part B in the manner described forces the opposite side rearward, and forms the said part into a concavo-convex shape, as shown on Fig. 3, where it is illustrated as attached to a lifting-belt.

Leather or some kinds of textile fabric may be profitably employed in the construction of my blank and cups.

I am aware that metallic cups or buckets for grain-elevators is not a new device, and therefore lay no claim to the invention thereof.

What I claim as new, and desire to secure by Letters Patent, is—

1. The blank A, Fig. 1, constructed substantially as and for the purpose specified.

2. The elevator-cup described, constructed from the blank A, of a single plate of metal, or of leather or textile fabric, and supported by the wire *f*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ORLANDO DEMIS SPALDING.

Witnesses:
C. C. SCHUYLER,
WM. H. REDFIELD.