O. C. STAFFORD.
Elevator-Cup.

No. 196,496. Patented Oct. 23, 1877.

Fig. 1.

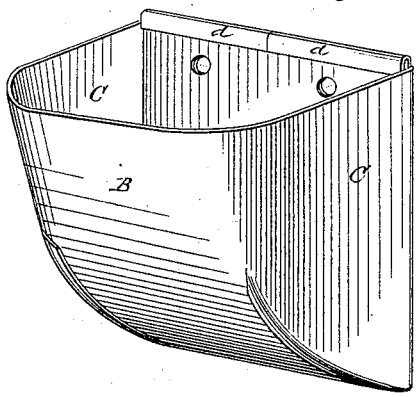


Fig. 2.

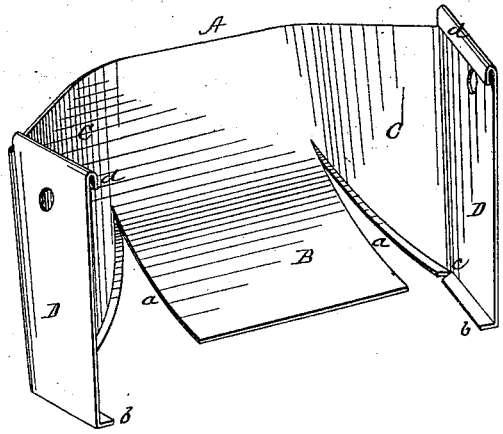
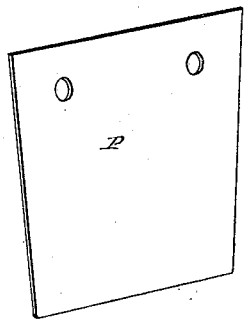


Fig. 3.



WITNESSES:
C. Clarence Poole
Jno. H. Evans

INVENTOR:
Oscar C. Stafford.
per attys.
A. H. Evans & Co.

UNITED STATES PATENT OFFICE.

OSCAR C. STAFFORD, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR OF ONE-HALF HIS RIGHT TO LAC STAFFORD, OF SAME PLACE.

IMPROVEMENT IN ELEVATOR-CUPS.

Specification forming part of Letters Patent No. **196,496**, dated October 23, 1877; application filed May 5, 1877.

To all whom it may concern:

Be it known that I, OSCAR C. STAFFORD, of Minneapolis, Hennepin county, Minnesota, have invented certain new and useful Improvements in Elevator-Cups, of which the following is a clear, full, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my improved cup. Fig. 2 shows the blank from which the cup is formed. Fig. 3 shows the strengthening-plate for the back of the cup.

My invention relates to that class of elevator-cups formed from a single blank of sheet metal; and the invention consists in making the back of the cup of a double thickness of metal, as will be hereinafter more fully described.

In the drawings, A represents the blank sheet of metal from which the cup is formed. B represents the front side and bottom of the cup; C C the sides, and D D the back, and E the strengthening-plate.

The cup is constructed by first cutting the blank A on the lines *a a*. The sides and back of the cup are then turned up at the bottom to form flanges *b b*, upon which the bottom of the cup rests, and which is secured thereto by soldering. The flanges *b b* are cut out at the point *c* to allow the back-pieces being turned around in position. The strengthening-plate P is then placed upon the inside of the cup, so as to form a double thickness for the back, and is secured therein by turning down over the top of the strengthening-plate the flanges *d d* formed upon the top of the back-pieces D D, and also by soldering it therein.

By the above-described construction the cup is provided with rounded corners on the front side, and without any seam at the top of the front side of the cup, which does away with sharp square corners that soon wear through and become ragged, or by a twist of the belt dig into the case and cause the buckets to be torn off. Also, by having rounded corners, the buckets empty freely, while the square corners hold more or less of the contents, especially middlings.

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

1. An elevator-cup having seamless rounded corners upon the front side and a double thickness at the back, formed from the blank A, cut as described, and the strengthening-plate E, as and for the purpose specified.

2. An elevator-cup having a double thickness at the back, formed from the blank A and strengthening-plate E, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand.

OSCAR C. STAFFORD.

Witnesses:

ELISHA MORSE,

LAC STAFFORD.