

(No Model.)

W. P. MYER.
HOISTING BUCKET.

No. 347,302.

Patented Aug. 10, 1886.

FIG. 1

FIG. 2

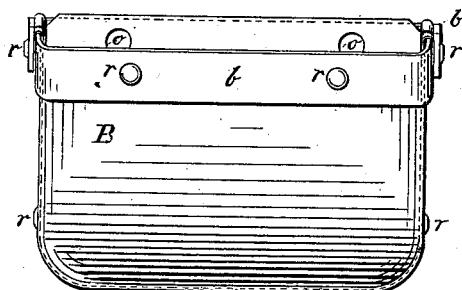
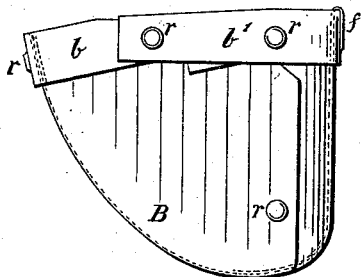


FIG. 3

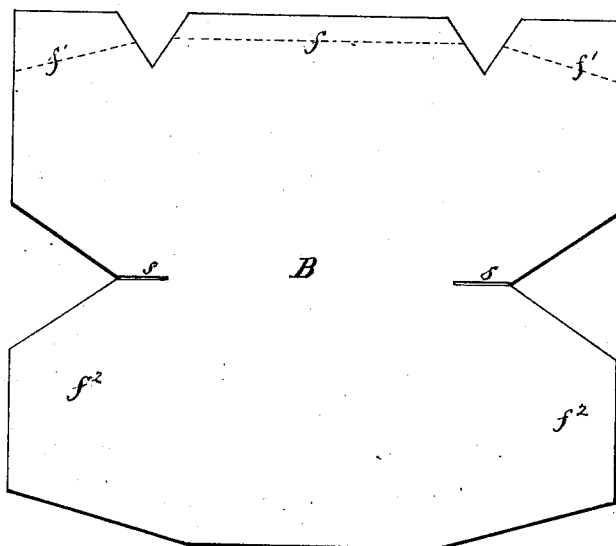
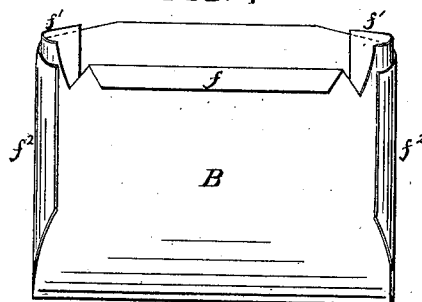


FIG. 4



WITNESSES.

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UNITED STATES PATENT OFFICE.

WILLIAM P. MYER, OF INDIANAPOLIS, INDIANA.

HOISTING-BUCKET.

SPECIFICATION forming part of Letters Patent No. 347,302, dated August 10, 1886.

Application filed February 12, 1886. Serial No. 191,686. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM P. MYER, a resident of Indianapolis, Marion county, Indiana, have made certain new and useful Improvements in Elevator-Buckets, a description of which is set forth in the following specification, reference being made to the accompanying drawings, in the several figures of which like letters represent like parts.

My invention relates to a new method of construction of what are called "elevator-buckets" from a single sheet or blank of metal; and it is designed to prevent the packing of the meal or flour it carries in the angles or corners thereof, and will be understood from the following description.

In the drawings, Figure 1 is an end view of the cup as made up for use. Fig. 2 is a front view of the same. Fig. 3 is a front view of the blank from which the cup is formed. Fig. 4 is a rear view of the blank when folded up before the band has been put on.

In detail, B is a piece of tin formed in the shape shown in Fig. 3, notches being cut out at the back and larger notches at the sides, with slits S, to allow the folding up of the flaps, and the corners of this blank constitute the flaps when the cup is formed, the rear flaps being lettered f' , and the front flaps f^2 , the portion of the blank between the rear flaps (represented by f) being turned down on the dotted line over the rear band, b' , an end view of this being shown in Fig. 1. The front band, b , is similar to the rear band, b' , both being constructed conveniently of sheet-iron.

To make the cup, the blank is folded up, as shown in Fig. 4, the rear flaps, f' , being folded inside the front flaps, f^2 , and the hem f is turned down at the back, to allow the rear band to be slipped under this hem. The front edge of the blank is also folded, as indicated in Fig. 1; but this fold or hem does not go over the front band, but is made simply to stiffen the front edge and to prevent the flour or meal from getting between the edge of the blank and the front of the band b . When the cup has been folded up, as shown in Fig. 4, it is stamped in a suitable machine, to round the corners, the bands are put on, their ends lapping each other, as shown in Fig. 1, and

are then riveted through both bands and the sides of the ends of the bucket, binding all the parts together, the ends of the flaps on each side being turned down over the front ends of the front bands, and rivets are also put through the bands and the front of the bucket, as shown in Fig. 2, these rivets passing through the flap or hem of the front, as well as the band. Openings o are formed in the back of the bucket, near the upper edge, passing through the rear bands, and providing means of attachment to the carrier-belt. The width of the bucket decreases from the top toward the bottom, as shown in Fig. 1, forming an elliptical curve from the front nearly to the back, preventing the packing of the flour, and securing its ready discharge from the bucket when it is reversed. It will be observed, also, by reference to Figs. 1 and 2, that the corners of the bucket are round in every direction, and this avoids all angles in the cup, which are objectionable, inasmuch as they cause the flour to stick in the angles, and prevent its ready discharge.

I am aware that elevator-buckets have been formed of metal blanks and provided with bands around the upper edges, and do not broadly claim the same as my invention, which consists in forming the cup from a single blank, bending up the blank, and uniting the sides and ends of the blank to form the cup, in the manner herein set forth and described.

What I claim as my invention, and desire to secure by Letters Patent, is the following:

1. The blank B, having notches in the back and central notches in the sides, and also the slits s , extending inward from the apex of such notches, the corners of the front side trimmed off, all substantially as described.

2. An elevator-bucket formed of a single piece of sheet metal, its front edges having the corners trimmed off, having central notches in the sides, and the slits s , extending inward from the apex of such notches, the rear part notched near the ends, the corners of the blank f' and f^2 forming the sides when folded up so as to bring one flap within the other on each end, the cup stayed or united by metal bands and rivets, substantially as described.

3. The elevator-bucket formed of the blank

B, its front corners trimmed off, its sides and rear notched, so that the four corners form flaps f' and f'' , the blank folded so that the flaps f' are inside the flaps f'' , the back turned
5 over to form the hem f , the parts united by one or more metal bands, b and b' , and rivets passing through the bands and the ends of the cup, and openings on the back for uniting the

same to the carrier-belt, substantially as described. 10

In witness whereof I have hereunto set my hand this 10th day of February, 1886.

WILLIAM P. MYER.

Witnesses:

C. P. JACOBS,

HATTIE MURRY.