S. W. KERSHNER.

Metallic Bucket for Chain-Pumps, &c.

No. 208,609. Patented Oct. 1, 1878.

Fig. 1.

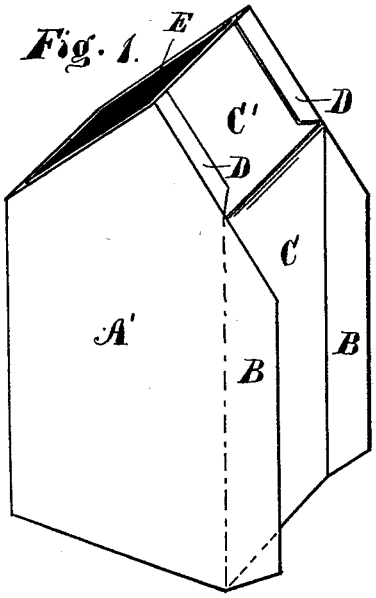


Fig. 2

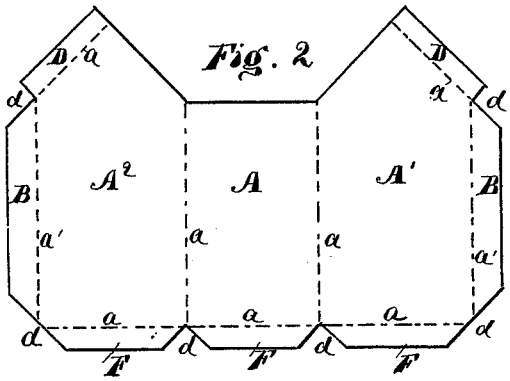


Fig. 3.

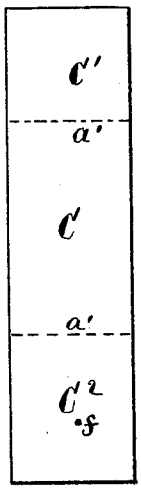


Fig. 4.

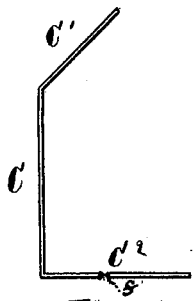
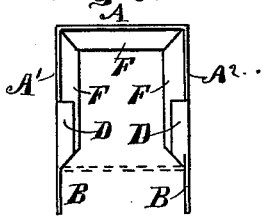


Fig. 5.



WITNESSES;

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UNITED STATES PATENT OFFICE.

STEPHEN W. KERSHNER, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN METALLIC BUCKETS FOR CHAIN-PUMPS, &c.

Specification forming part of Letters Patent No. **208,609**, dated October 1, 1878; application filed July 19, 1878.

To all whom it may concern:

Be it known that I, STEPHEN W. KERSHNER, of Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Metallic Bucket, designed to be used principally in chain-pumps and water-elevators, of which the following is a description, reference being had to the accompanying drawings.

My invention relates to metallic buckets adapted to be attached to chains or belts for elevating water.

The object of my invention is to construct an elevator-bucket of two pieces of metal, and at the same time provide a means of firmly fastening said bucket to chains or belts.

My invention consists of an elevator-bucket and fastenings made of two pieces of metal, as will be hereinafter set forth and described.

In the accompanying drawings, in which like letters of reference in the different figures indicate like parts, Figure 1 represents a perspective view of my improved elevator-bucket and fastening. Fig. 2 represents the form of blank used to form two sides and front of said bucket, together with the flanges for securing the back and bottom, and also the flanges used for fastening said bucket to a chain or belt. Fig. 3 represents the blank used to form the bottom, the back, and part of the top of said bucket. Fig. 4 represents the blank shown in Fig. 3, bent ready for use; and Fig. 5 represents the blank shown in Fig. 2, bent ready to receive the back, as shown in Fig. 4.

The blank shown in Fig. 2, when folded at the dotted lines, forms the front and two sides of the bucket, with flanges F F F at the bottom of the sides and front, and flanges D D at the top of the sides, to which the blank C C^1 C^2, after being bent as shown in Fig. 4, is securely soldered. The edges of the back C are also soldered to the sides A^1 A^2 at the lines a' a', thus leaving the flanges B B projecting beyond said back, as shown in Fig. 1. The flanges B B, that project backward, are designed to be bent around and clamp on a bolt or link of a chain, and form a strong, durable fastening for the bucket. The upper end of the bucket is open, as shown at E, and the bottom C^2 may be perforated, as at *f*, to permit air to escape as the bucket enters the water upside down.

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

1. An elevator-bucket composed of two pieces of sheet metal, one piece forming the front and two sides, with projecting flanges B B at the back for fastening the bucket to a belt or chain, and the other piece forming the back and bottom, substantially as set forth and described.

2. In an elevator-bucket composed of two pieces of sheet metal, one piece of which is cut to a pattern, as shown in Fig. 2, forming the front, the two sides, the flanges F at the bottom and D at the top, and the projecting flanges B B at the back, combined with the blank C C^1 C^2 cut to a pattern, as shown in Fig. 3, when each is bent and united together, substantially as shown, for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

STEPHEN W. KERSHNER.

Witnesses:

EDWARD S. POPE,

E. O. FRINK.