(No Model.)

2 Sheets—Sheet 1.

E. L. BROWNING.

WATER ELEVATOR CUP.

No. 265,378. Patented Oct. 3, 1882.

Fig. 2.

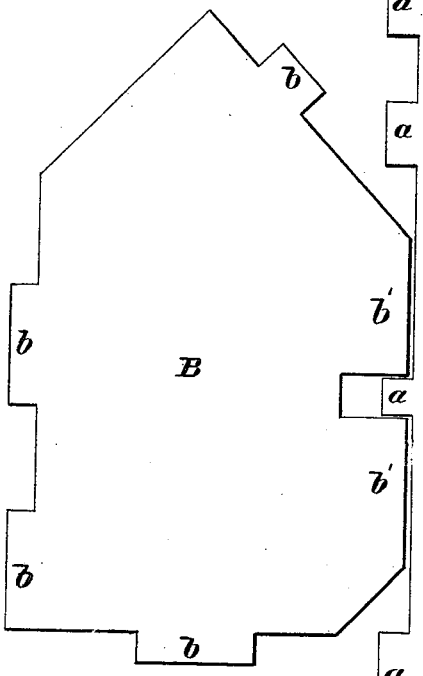


Fig. 1.

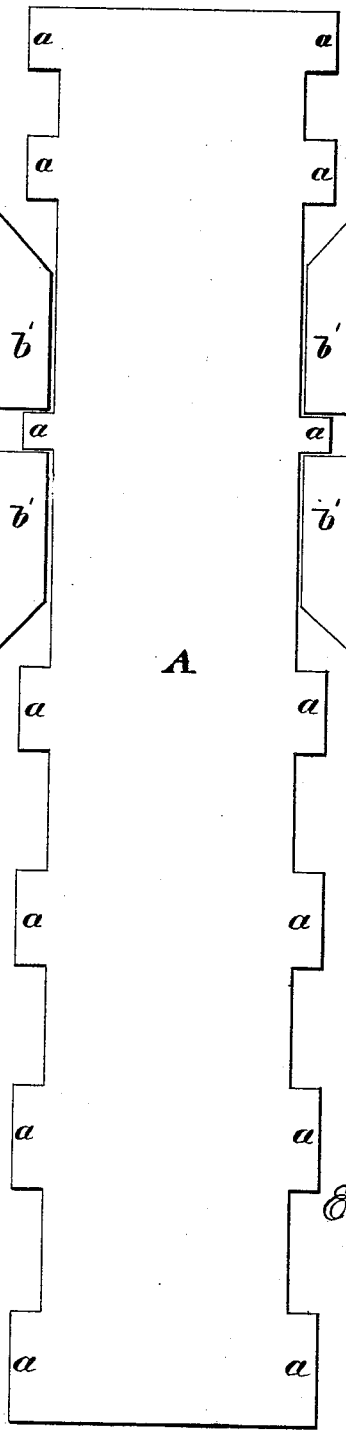
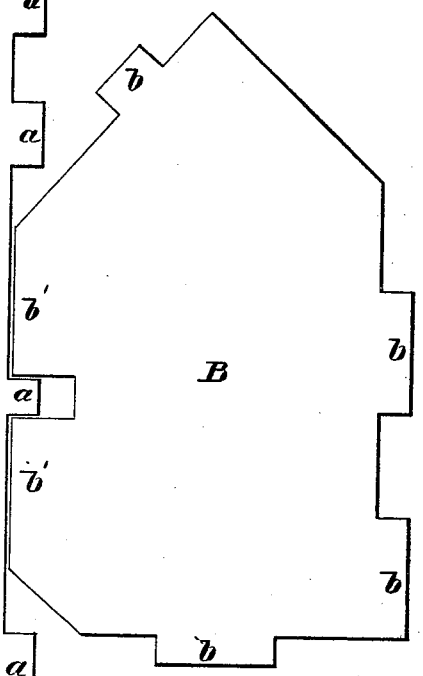


Fig. 3.



Attest:
Charles Pickles
Geo. H. Knight

Inventor:
Edward L. Browning
By Knight Bros
Attys

(No Model.) 2 Sheets—Sheet 2.

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Fig. 4.

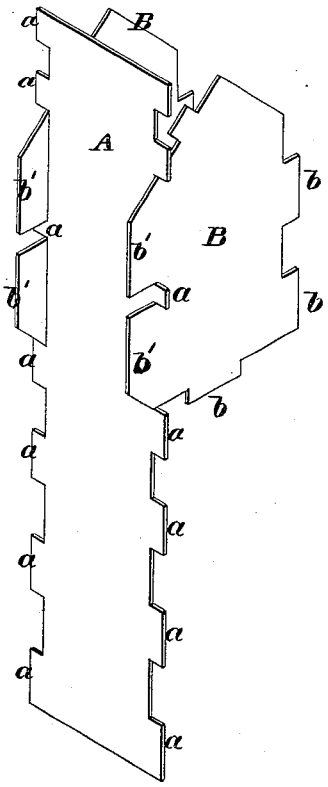
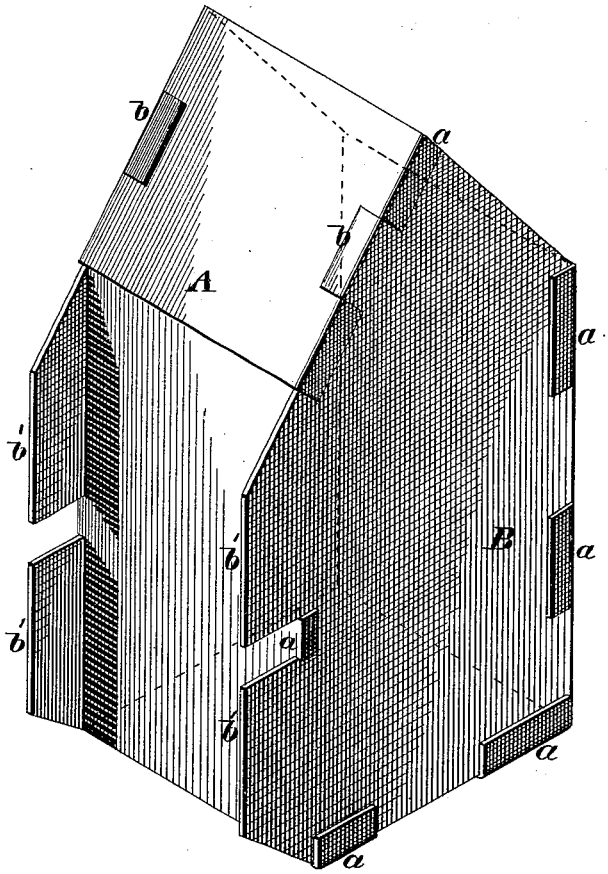


Fig. 5.



Attest:

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UNITED STATES PATENT OFFICE.

EDWARD L. BROWNING, OF ST. LOUIS, MISSOURI.

WATER-ELEVATOR CUP.

SPECIFICATION forming part of Letters Patent No. 265,378, dated October 3, 1882.

Application filed December 12, 1881. (No model.)

To all whom it may concern:

Be it known that I, EDWARD L. BROWNING, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Water-Elevator Cups, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention consists in making the cup out of three separate pieces, one piece forming the half top, back, bottom and front of the cup and the other two pieces forming the sides thereof, the different pieces having lips, which, being bent over and hammered down, hold the parts together. After the cup is thus formed it is put through the galvanizing process, or soldered in the usual way to seal the seams.

In the drawings, Figure 1 is a side view of the blank which forms the half top, back, bottom, and front. Fig. 2 is a similar view of one of the sides, and Fig. 3 is a view of the other side. Fig. 4 is a view of the three pieces in the process of construction. Fig. 5 is a perspective view of the finished cup.

A represents the blank out of which the top, back, bottom, and front walls of the cup are formed, and B B are the blanks forming the side walls of the cup. The pieces are stamped out of a sheet of metal by means of suitable dies. The blank A has tongues or projections *a*, which are bent down upon the sides B. The blanks B have similar lips, *b*, which are bent down upon the piece A. The pieces are put together over a suitable core. The cup being thus put together, it is subsequently galvanized or soldered to seal the seams. In addition to the lips *b*, the sides B have flanges *b'*, for connecting the cup to the elevator-chain.

A cup thus formed is much stronger than the old style, as the lips greatly assist the solder in holding the parts together. It is also much cheaper, for the lips hold the parts together while the soldering is being done, so that an expert is not required to do the work. I prefer to form the cup out of the black metal and subsequently galvanize it to seal the seams for two principal reasons, viz: first, it is much cheaper to seal the seams by galvanizing than by soldering, and, secondly, the scraps of black metal which would be left after cutting a certain amount of blanks from a sheet are worth about twice the value of galvanized scraps.

I do not confine myself to any particular number of lips *a* and *b*.

I claim as my invention—

1. The combination of body-blank A and side blanks, B B, the body-blank A having lips *a*, and adapted to form the half top, back, bottom, and front, and the side blanks, B B, each having lips *b*, and chain-flanges *b'*, the body-lips interlocking with the side lips and flanges, substantially as shown and described.

2. An elevator-bucket having a body, A, formed with lips *a*, and the sides B B, each formed with lips *b*, and chain-flanges *b'*, interlocked with the lips of the body, as set forth.

EDWARD L. BROWNING.

Witnesses:

SAML. KNIGHT,

GEO. H. KNIGHT.