

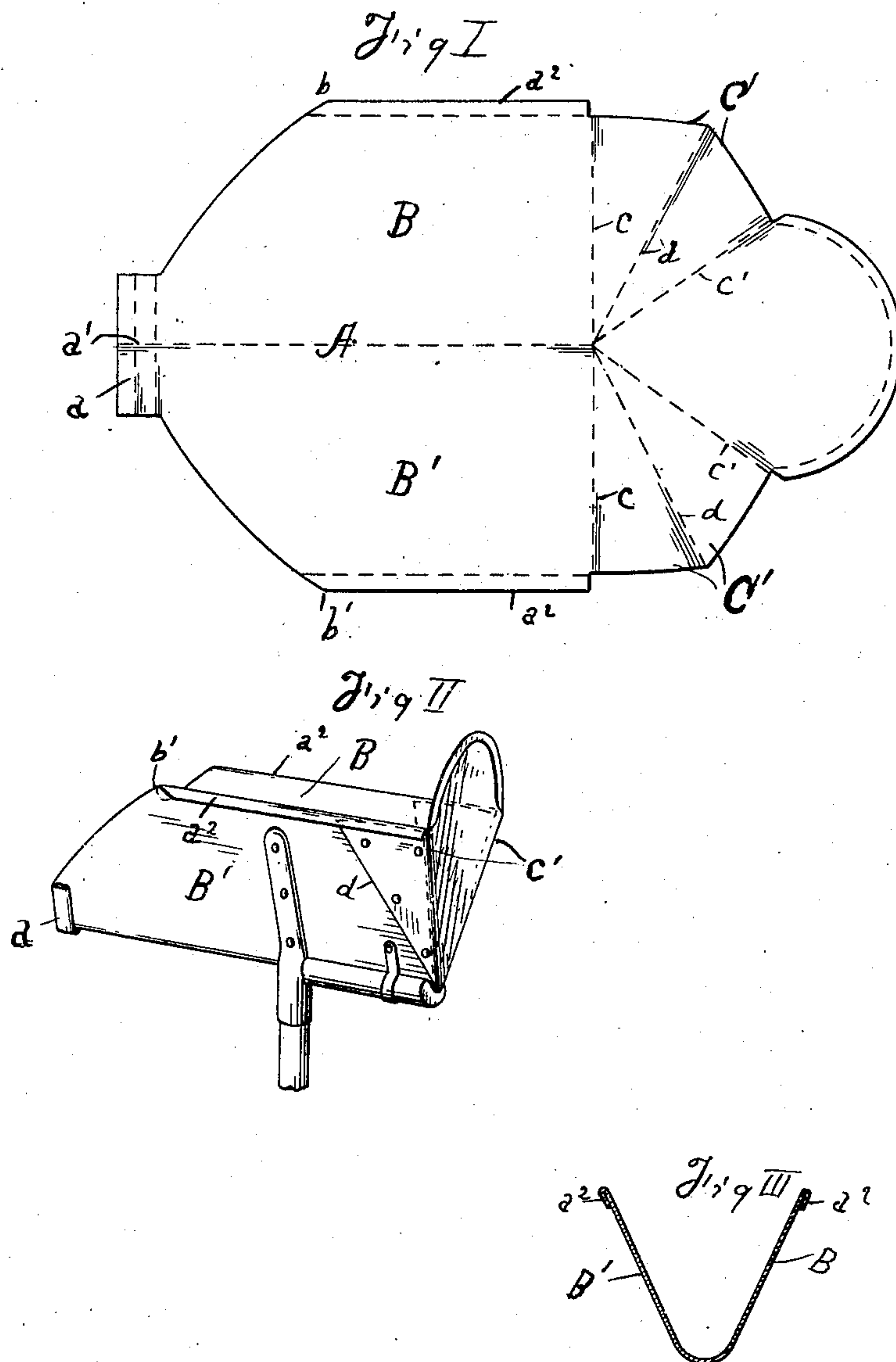
No. 889,427.

PATENTED JUNE 2, 1908.

W. G. AVERY.

HOD.

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Witnesses:-

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UNITED STATES PATENT OFFICE.

WILLIAM G. AVERY, OF PAINESVILLE, OHIO.

HOD.

No. 889,427.

Specification of Letters Patent.

Patented June 2, 1908.

Application filed August 23, 1905. Serial No. 275,481.

To all whom it may concern:

Be it known that I, WILLIAM G. AVERY, a citizen of the United States, residing at Painesville, in the county of Lake and State of Ohio, have invented certain new and useful Improvements in Hods; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to hods, and has for its object the manufacture of a hod from an integral blank previously cut into shape and bent upon itself in such a manner that a hod is produced having great strength and sustaining power against wear; also providing a hod which is easily and cheaply formed.

My invention consists in forming a hod of an integral blank having its rear corners formed by bending the metal upon itself so as to sustain the hod end and at the same time form a liquid proof joint and strengthening the sides contiguous to the closed end of the hod, as will be hereinafter set forth in the specification and claims.

In the drawings Figure I illustrates, in plan view, a blank from which a hod, formed according to my invention is constructed. This view shows the crease lines upon which the metal is turned upon itself in a manner to form the hod. Fig. II illustrates a hod embodying my invention, when constructed from a blank formed according to that illustrated in Fig. I. Fig. III illustrates a modified form of bottom bend of the hod whereby the shoulder rest shown in Fig. II may be dispensed with.

The blank A, is cut into a shape approximately as illustrated in Fig. I and may, if desired, be formed with a reinforcing mouth piece *a* which is turned upon itself (see Fig. II) so as to reinforce the lower end of the mouth of the hod; this piece *a* may however be dispensed with if desired.

The sides B, B' of the hod are formed by cutting away the metal from the points *b*, *b'* to the center *a'*, where the lines converge when the mouth piece *a* is not employed. These lines from *b* and *b'* to the center line *a'* may be straight or curved as shown. Also the side pieces may be provided with pieces *a*², *a*², which form when turned upon themselves in an outward and downward direction,

a "hem" or smooth upper edge and may also form a lock for the reinforcing angular pieces C, C', at the rear of the hod.

The blank at that portion which forms the back D of the hod and the reinforcing side pieces C, and C', is so shaped as to cause the hod back D to extend upward from the side edges of the hod body, and to cause the reinforcing pieces C and C' to be bent upon themselves so that lines *c* and *c'* meet and lines *d*, *d* are bent outward from the hod body, and the reinforcing pieces are then bent toward the front end of the hod and against the sides B and B'; thus forming a smooth edge at the back joints and a liquid proof joint, while at the same time the hod is reinforced at its greatest points of stress and is provided with an elongated back piece; the whole formed of one piece.

The blank is formed into a hod by means of a former, and assumes its shape as illustrated in Fig. II, when the side pieces B, B' and the reinforcing pieces C and C' may be secured together by rivets or by other suitable means.

What I claim is:

As an improved article of manufacture, a receptacle of the class described, constructed from a single sheet of metal having a body portion formed with parallel sides for a portion of its length and with one end convexed with the center of the convexed portion extended into a relatively narrow tongue and the other end of the body of less width than the body constituting the end of the receptacle when folded, said body portion and the terminal tongue bent along the longitudinal center thereof and said reduced portion being bent at its juncture with the body of the plate and folded in reverse angular lines against the outer faces of the folded body portion and secured thereto by the narrow terminal edges of said body portion bent downwardly engaging said folded portions and forming a reinforcement to said body portion.

Signed at Cleveland in the county of Cuyahoga and State of Ohio, this 12 day of August 1905.

WILLIAM G. AVERY.

Witnesses:

E. B. DONNELLY,
L. C. MARBACH.