

No. 692,802.

Patented Feb. 4, 1902.

B. B. STROPE.
DRINKING CUP.

(Application filed Dec. 5, 1900.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

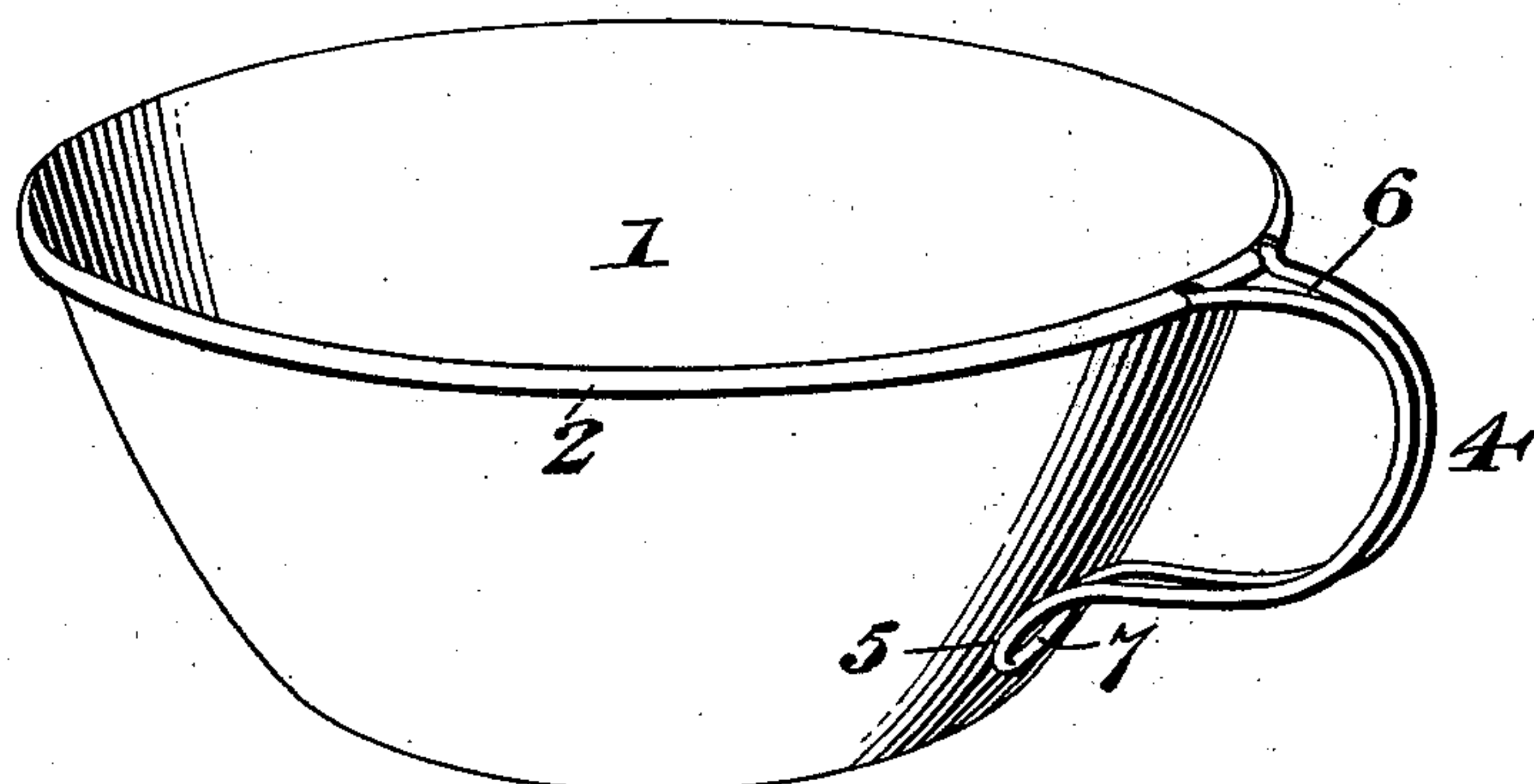


Fig. 2.

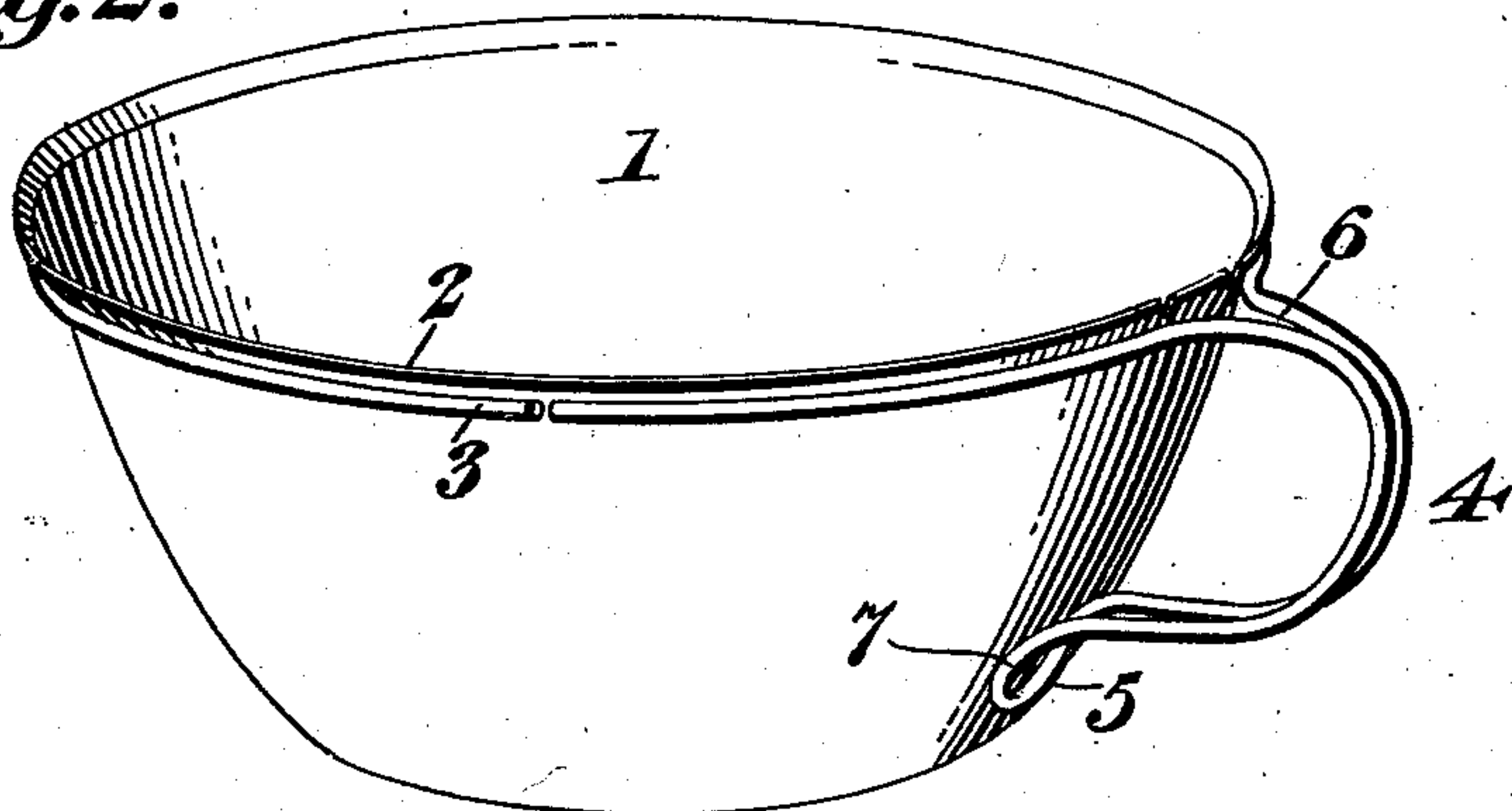


Fig. 4.

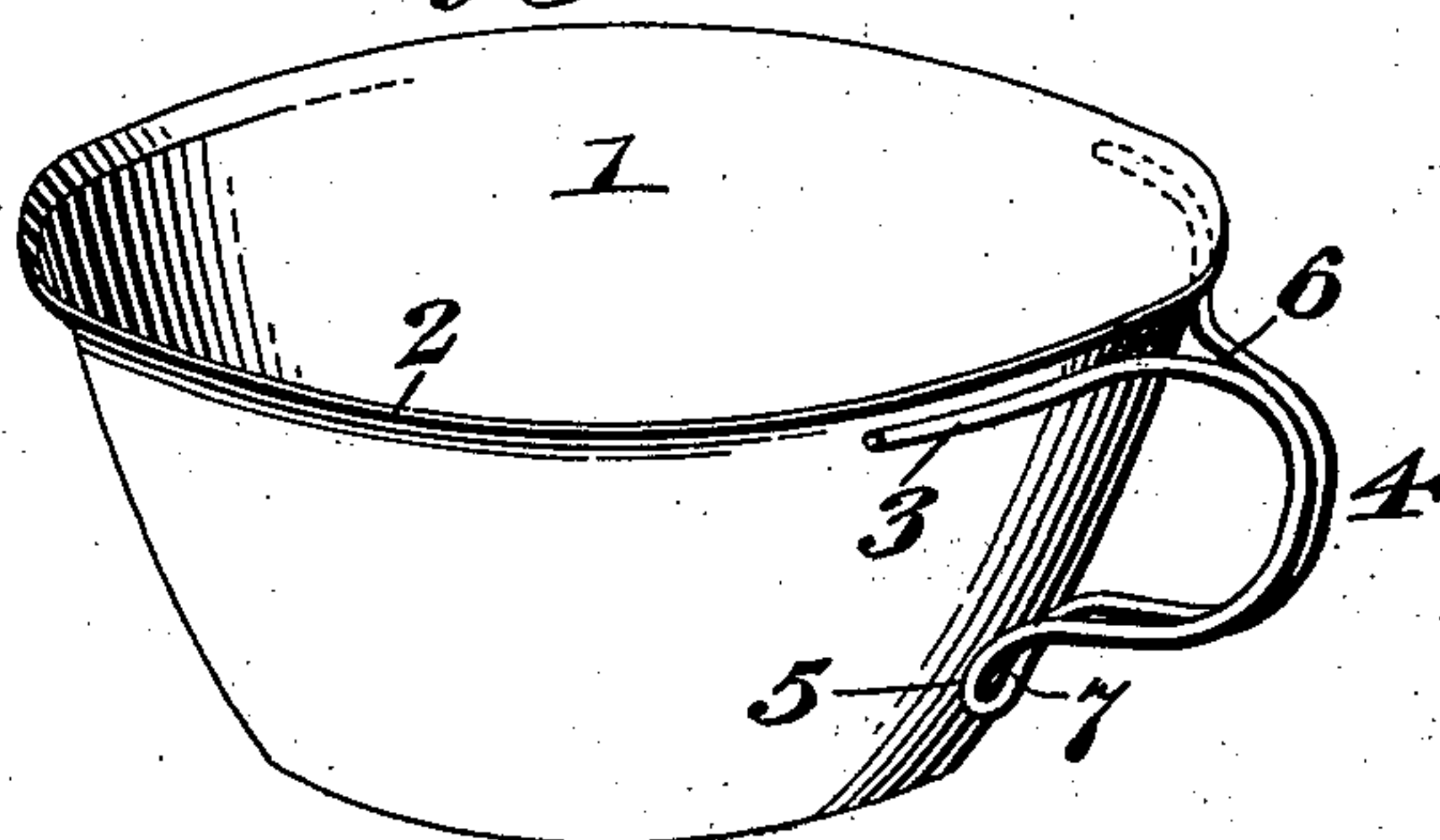
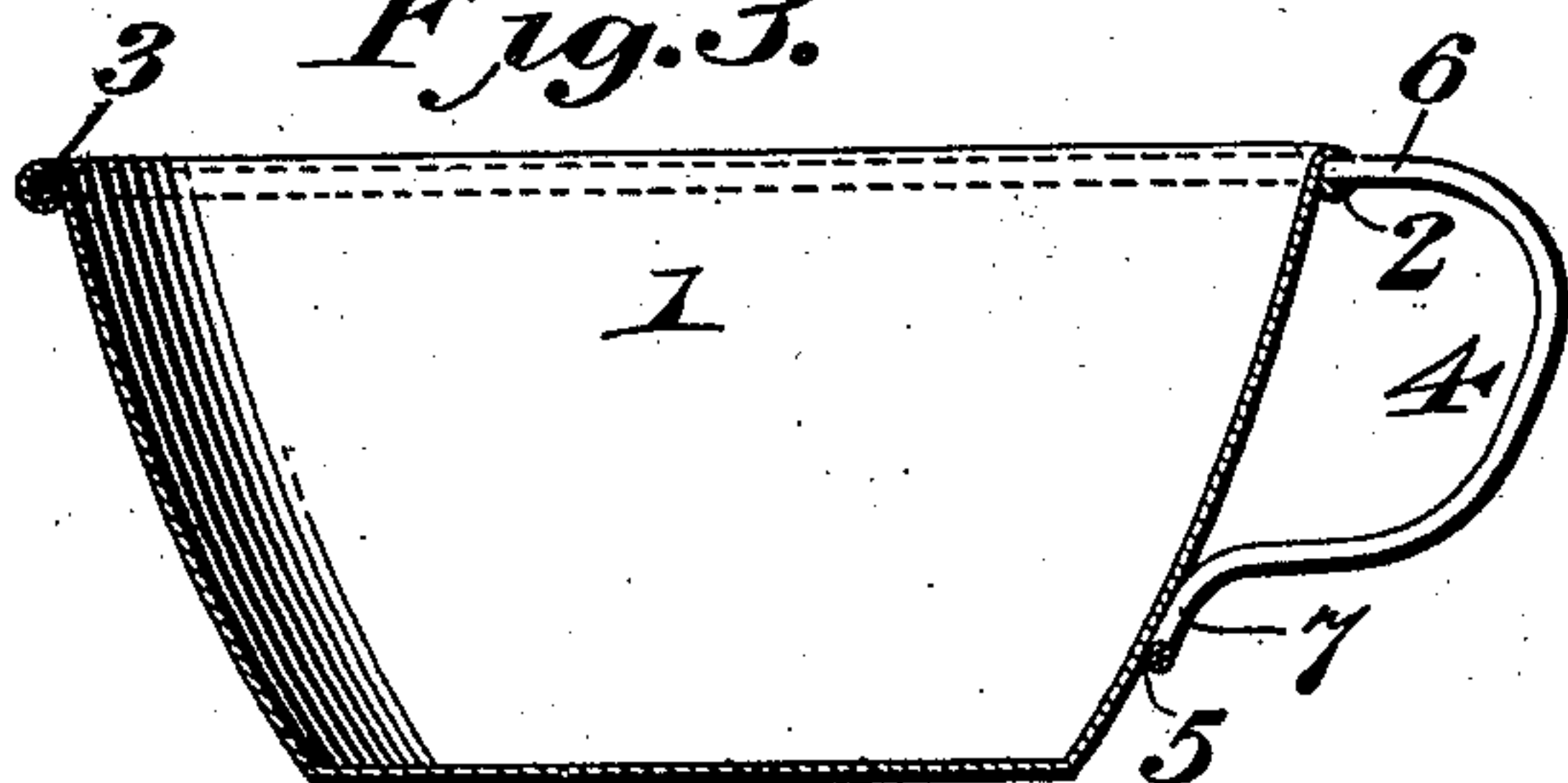


Fig. 3.



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Fig. 5.

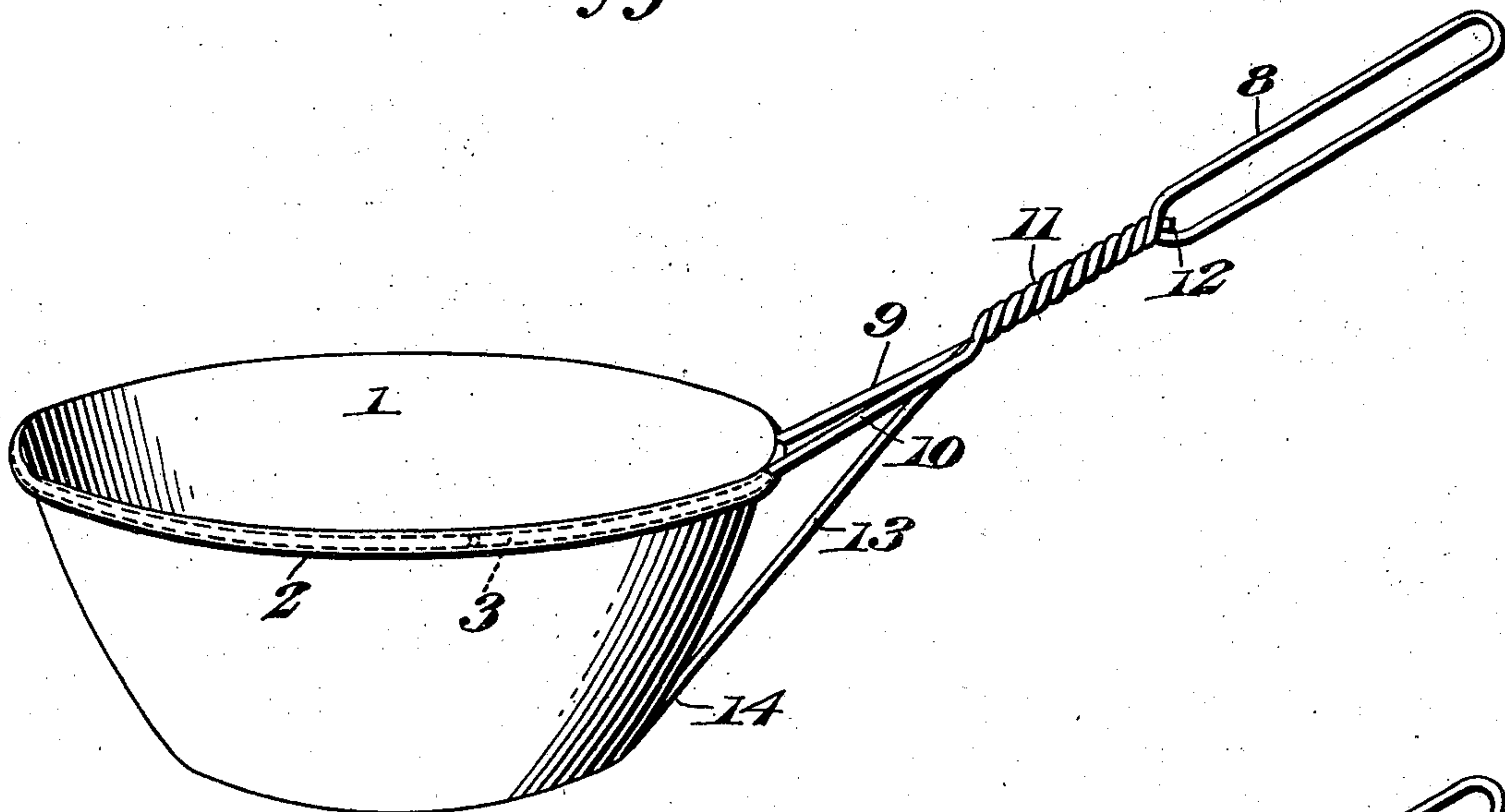
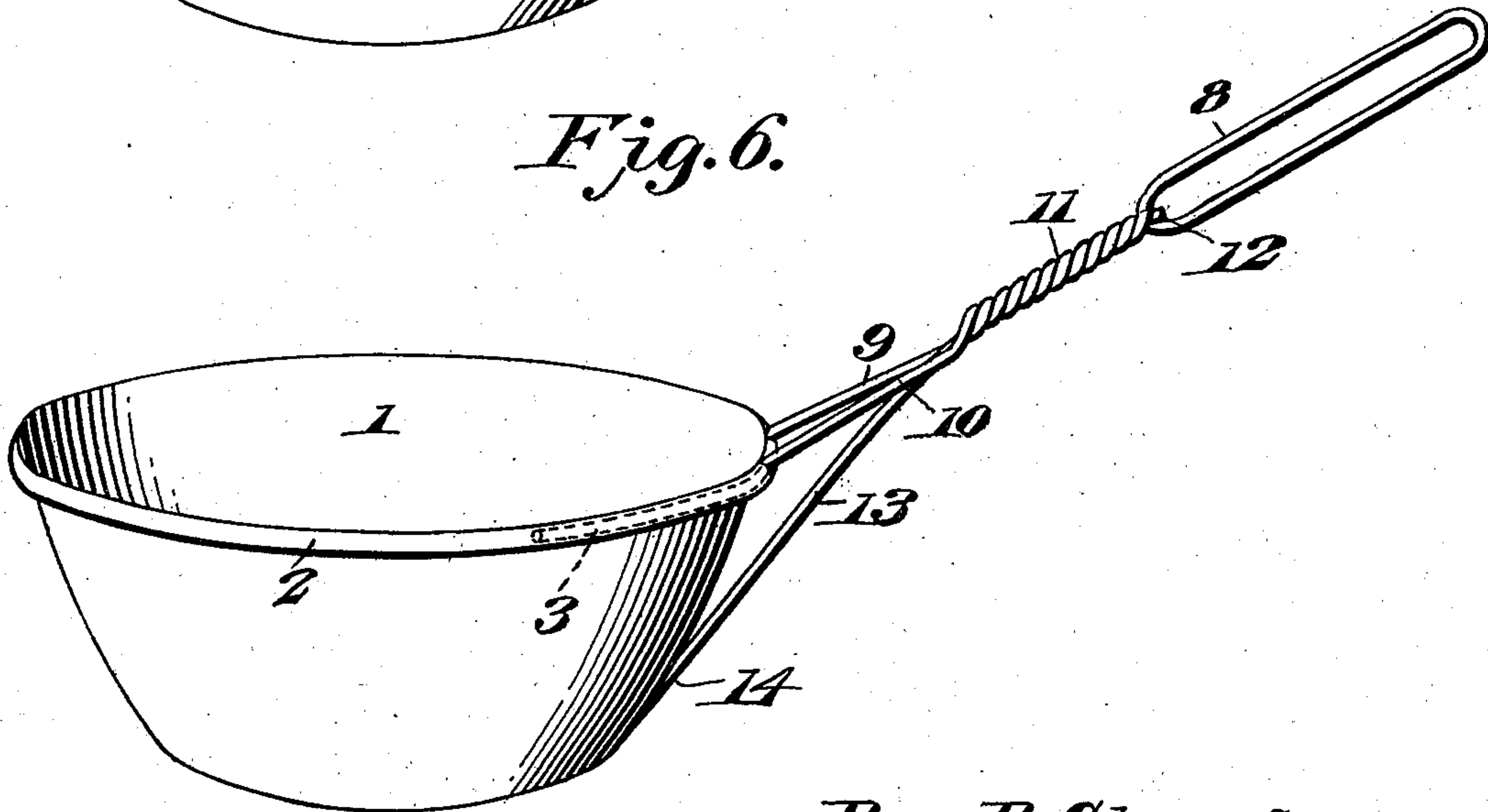


Fig. 6.



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UNITED STATES PATENT OFFICE.

BEN B. STROPE, OF COSHOCTON, OHIO, ASSIGNOR TO THE STANDARD
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DRINKING-CUP.

SPECIFICATION forming part of Letters Patent No. 692,802, dated February 4, 1902.

Application filed December 5, 1900. Serial No. 38,798. (No model.)

To all whom it may concern:

Be it known that I, BEN B. STROPE, a citizen of the United States, residing at Coshocton, in the county of Coshocton and State of Ohio, have invented a new and useful Drinking-Cup, of which the following is a specification.

My present invention relates to a novel drinking-cup, the object being to produce a cup, dipper, or similar receptacle by stamping, spinning, molding, or otherwise forming it and by turning over or beading the edge of the receptacle upon a stiffening-wire, which serves to strengthen the cup or dipper structure and at a suitable point is extended and bent into the form of a handle, having its lower end or the lower end of an associated brace disposed in contact with the wall of the cup or dipper at any desired distance below the bead.

To the accomplishment of this object the invention consists in the construction and arrangement to be more fully described, illustrated in the accompanying drawings, and succinctly defined in the appended claims.

In said drawings, Figure 1 is a perspective view of my cup complete. Fig. 2 is a similar view of the cup before the edge is turned over to form the bead. Fig. 3 is a sectional view. Fig. 4 is a perspective view of a slightly-modified form before the turning of the bead. Fig. 5 is a perspective view of a dipper constructed in accordance with my invention, and Fig. 6 is a similar view of the dipper with the stiffening-wire extended only partially around it.

Referring to the numerals employed to designate corresponding parts and structural peculiarities throughout the views, 1 indicates a receptacle—as, for instance, a drinking-cup—spun, stamped, or otherwise formed from sheet metal or other suitable material and having its upper edge 2 flared or bent outwardly, as indicated in Figs. 2 and 4. Immediately below this flared edge or flange is seated against the outer face of the cup a stiffening-wire or bead-core 3, comprising a loop formed by bending the opposite end portions of a single wire strand, the doubled portion of which is extended outwardly from the bead and is bent or curved downwardly to form a handle 4, the lower end 5 of which is disposed in contact with the wall of the re-

ceptacle for the purpose of suitably bracing the handle. The side portions or strands of the wire handle 4 are brought into contact and may, if desired, be connected at a point intermediate of the ends of the handle, and the upper ends of these side portions or strands immediately adjacent to the cup are preferably spread apart somewhat, as indicated at 6, in order to secure a connection of sufficient width. It is also preferable to spread the strands of the handle to form a bearing-loop 7, which affords an extended bearing at the lower end of the handle against the body of the cup and tends to overcome any tendency to displacement of the handle.

During the early stage of the manufacture of the cup—that is to say, immediately after the stiffening-loop or bead-core has been formed below the flange 2—the latter is turned down and bent around the wire by suitable machinery, so that the completed article presents a receptacle having a hollow bead which is stiffened by and serves as the sole securing means for a stiffening-wire or bead-core, which at a suitable point is extended laterally from the bead to form a downturned handle composed of a doubled wire strand, bent to form a bearing-loop at the lower end of the handle in contact with the body of the receptacle. It will be noted that the entire device comprehends simply the metal receptacle and a single piece of wire assembled in permanent relation, without necessity for the employment of connecting means other than what is constituted by integral portions of the elements themselves.

In Fig. 4 I have illustrated a modified form of my invention which is identical with that illustrated in the first three figures except that the stiffening-wire or bead-core does not extend entirely around the bead, but only to such distance from the handle as will serve to effect the secure retention of the latter and such stiffening of the bead as may be necessary to prevent its distortion at that point from which the supporting means or handle is extended.

In Fig. 5 I have illustrated a dipper constructed in accordance with my invention, which differs only from the cup in that the

dipper-handle 8 is not bent downwardly, but is extended from the edge of the cup at an inclination and at a point intermediate of its ends. Its side strands 9 and 10 are twisted one upon the other to form a twisted portion 11, with which is intertwisted the upper end 12 of a separate length of wire, which constitutes a brace 13, having its lower end 14 bearing against the side of the cup or dipper at a suitable distance below the connection of the handle proper with the latter.

In Fig. 6 I have illustrated a similar construction, except that the stiffening-wire extends only partly around the upper edge of the dipper, after the manner of the arrangement shown in Fig. 4. It will be noted, however, that in the dipper construction shown in Figs. 5 and 6 a loop of the stiffening-wire is extended to form a handle, in the manner of the cup-handle 4, and that the brace 13 being intertwisted with the twisted portion 11 is incorporated with the handle and constitutes a permanent part or downwardly-extending portion thereof, bearing against the side of the cup adjacent to its bottom, or in any event at a point below the bead.

From the foregoing it will be observed that I have produced a drinking-cup or similar receptacle embodying a handle formed from a single strand of wire which also constitutes handle-retaining means and a stiffening or core for the turned or hollow bead at the edge of the receptacle; also, that by the peculiar form of the handle the latter is provided with a plurality of bearings, which serve not only to insure the support of the receptacle, but which, in addition, insure the maintenance of the handle in its proper form and position.

In defining the invention in the appended claims I shall employ the expression "said handle having a downwardly-extended portion disposed to bear against the side wall of the receptacle," which language is intended to be of sufficient breadth to comprehend the downwardly-extending end of the handle, as shown in the first four figures of the drawings, or a downwardly-extending brace secured to and constituting a portion of the handle, as shown in Figs. 5 and 6.

The construction illustrated and described may be varied somewhat, and I therefore reserve the right to effect such changes, modifications, and variations as may be clearly comprehended within the scope of the protection prayed.

What I claim is—

1. As a new article of manufacture, a vessel formed with a bead around its edge, and having a handle formed by a doubled strand of wire the ends of said strands being extended into the bead at opposite sides of the handle to effect the retention of the handle and to stiffen the bead, the extremity of said handle which is formed by the doubling of the strand, being bent into contact with the receptacle at a point below the bead.

2. As a new article of manufacture, a drinking-cup provided with a bead around its edge and having a handle formed from a single wire strand bent upon itself and having its ends passed in opposite directions into the bead, the two side portions of the strand being brought together at a point intermediate of the ends of the handle and being slightly separated at the opposite ends of the handle, such separation at the lower end of the handle forming a bearing-loop in contact with the wall of the cup at a point below the bead.

3. As a new article of manufacture, a drinking-receptacle provided with a bead around its edge and having a handle comprising a wire strand bent upon itself and having its extremities passed in opposite directions into the bead and terminating therein, the two side portions of the strand being brought together at a point intermediate of the ends of the handle and being slightly separated at the end of said handle to form a loop said handle having a downwardly-extended portion disposed to bear against the side wall of the receptacle.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

BEN B. STROPE.

Witnesses:

JOS. L. RICE,
H. L. BEACH.