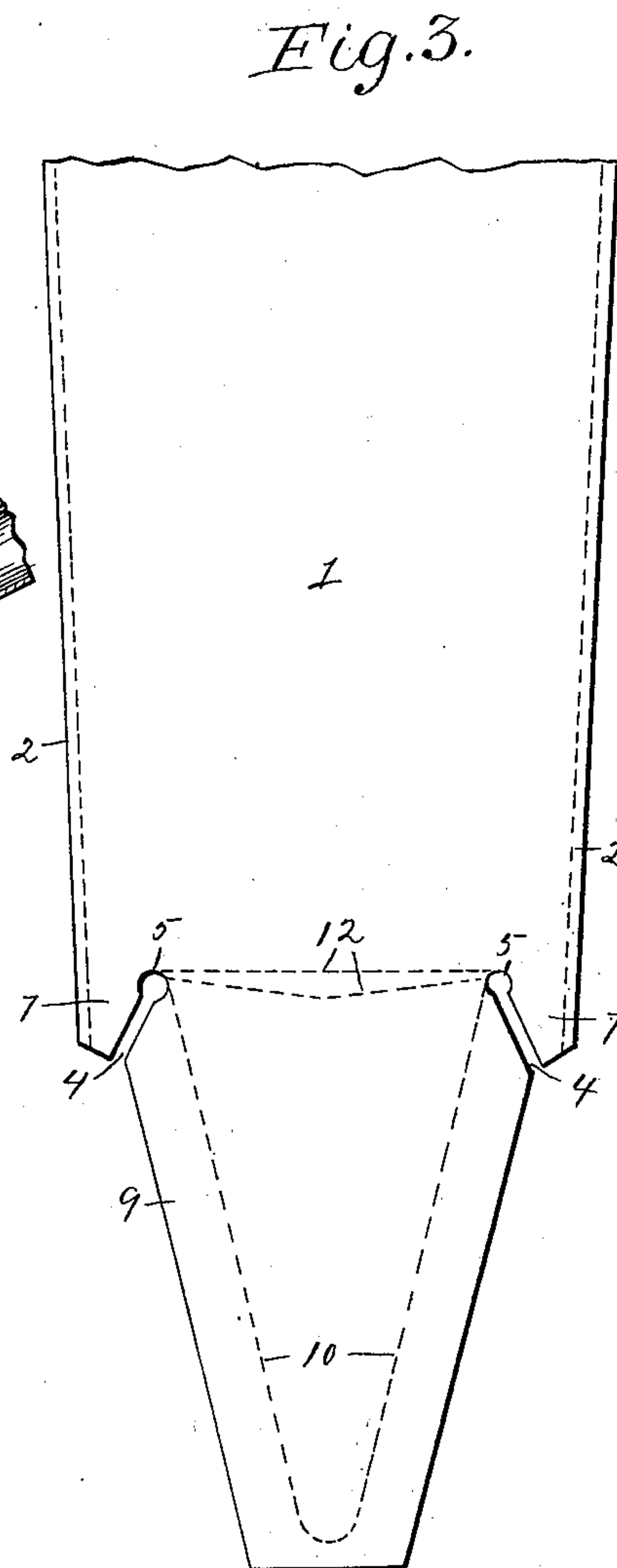
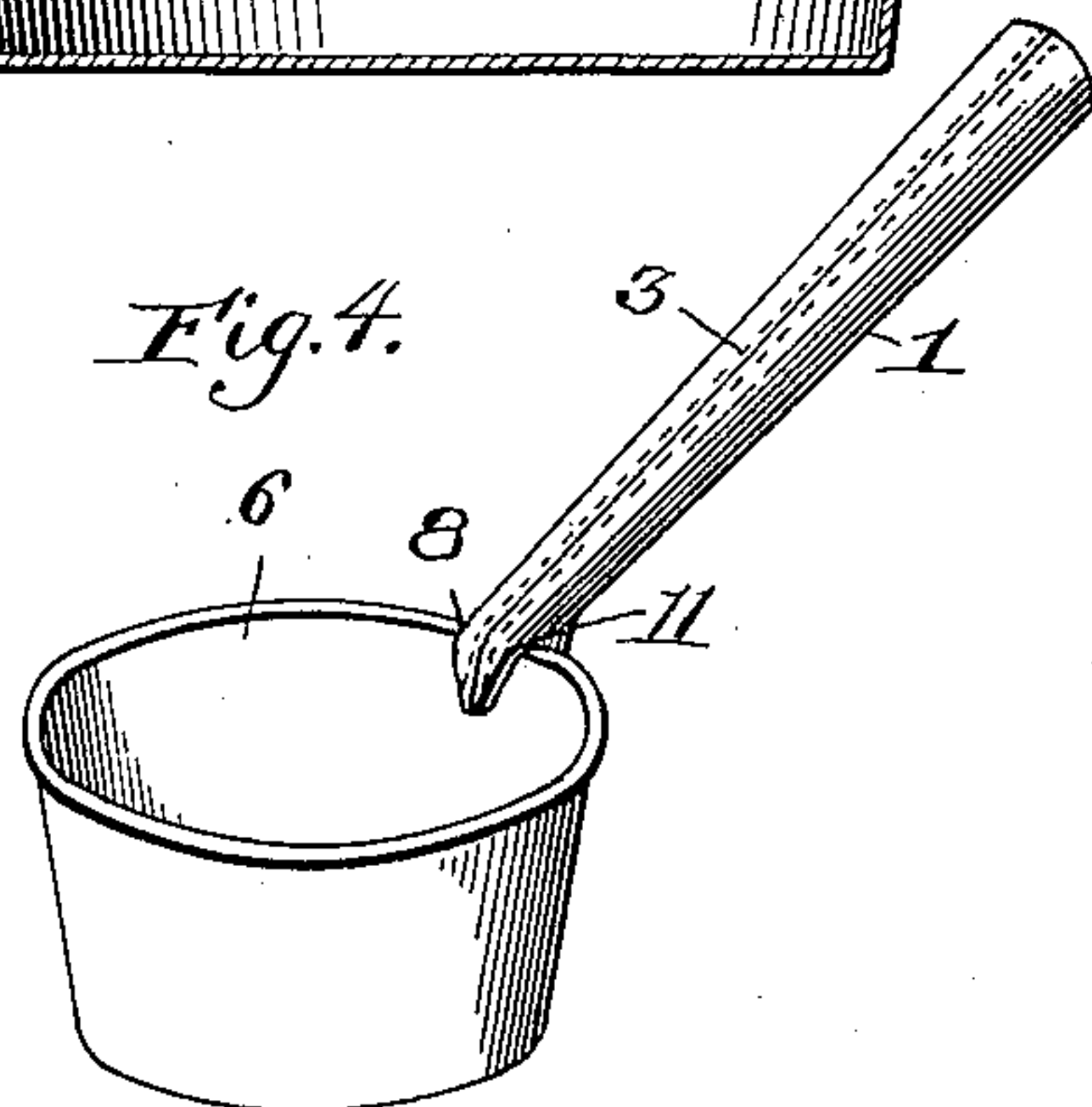
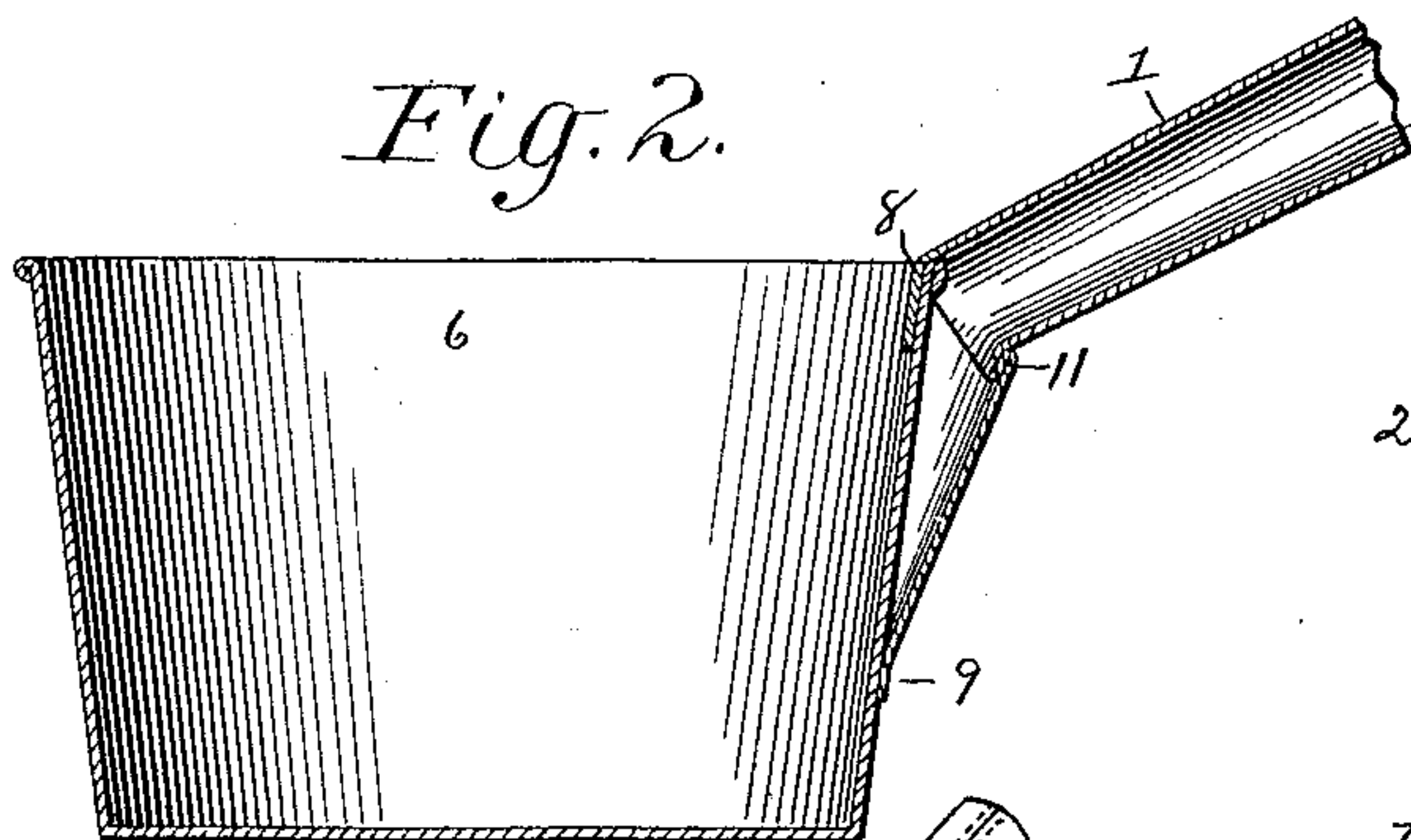
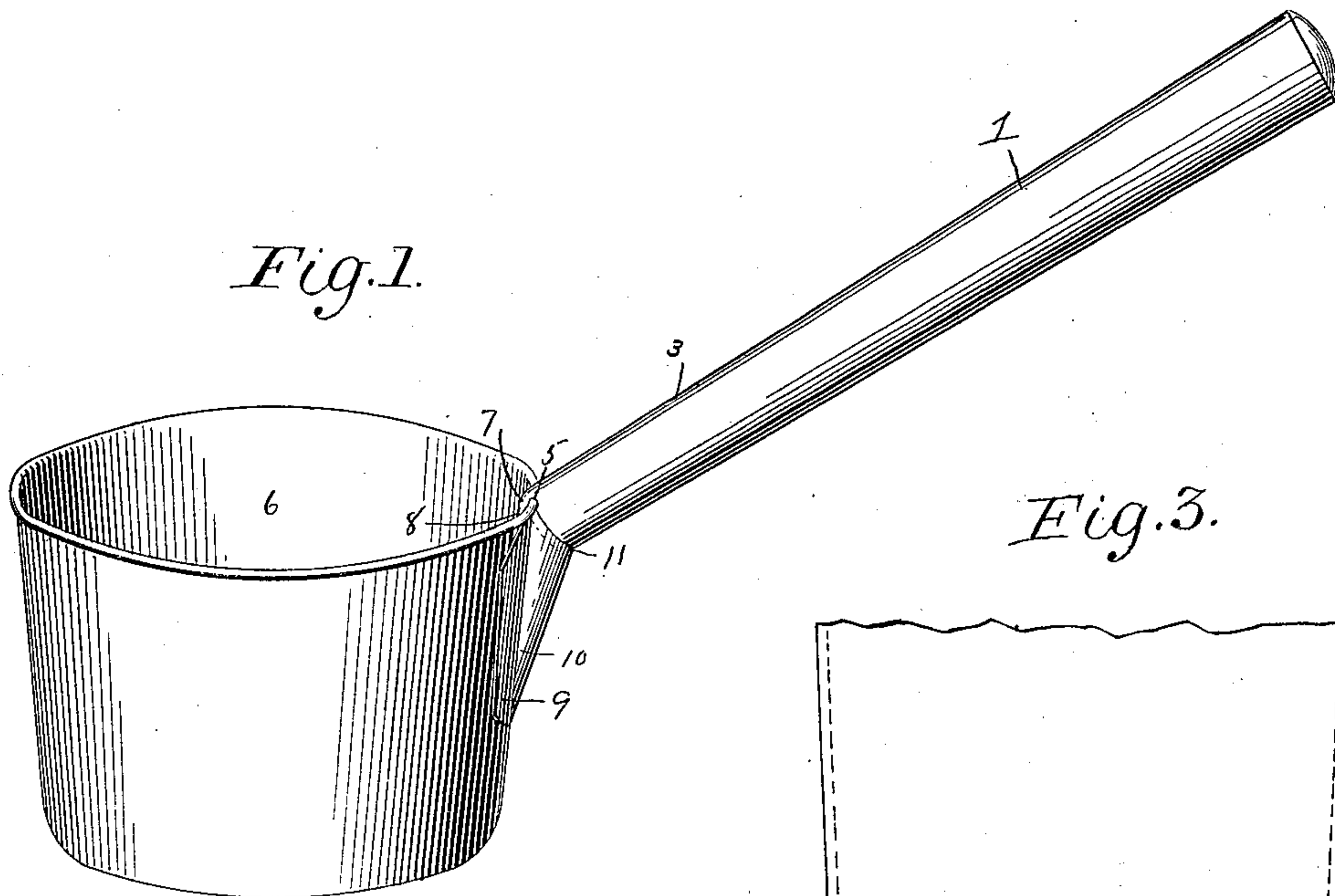


(No Model.)

J. W. GREENE.
SINGLE PIECE SHEET METAL HANDLE.

No. 602,234.

Patented Apr. 12, 1898.



Witnesses:
O. M. Humphrey
William J. Bivins

Inventor:
John W. Greene

UNITED STATES PATENT OFFICE.

JOHN W. GREENE, OF MANCHESTER, NEW YORK.

SINGLE-PIECE SHEET-METAL HANDLE.

SPECIFICATION forming part of Letters Patent No. 602,234, dated April 12, 1898.

Application filed May 5, 1897. Serial No. 635,278. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. GREENE, a citizen of the United States, residing at Manchester, in the county of Ontario, State of New York, have invented a new and useful Improvement in Single-Piece Sheet-Metal Handles, of which the following is a full, clear, and exact description.

My invention has relation to improvements in single-piece sheet-metal handles adapted to be used on metal utensils, such as dippers, dust-pans, stew-pans, scoops, and all articles of a kindred nature; and it consists in the novel construction and arrangement of its parts, as hereinafter described.

The object of my invention is to provide a handle made of a single piece of sheet metal, the lower end of the handle being provided with a flange adapted to be secured to the outside of the utensil, a fold being made in the metal at the point of junction between the flange and the handle, and thus pitching the handle at the desired angle to the flange.

The further object of the invention is to provide the handle at its lower end with a lip, the said lip being adapted to extend over the upper edge of the utensil and being secured on the inner side of the utensil.

The further object of the invention is to so construct the handle of a single piece of sheet metal as to have a seam running the entire length of the handle, said seam being on the upper side of the handle and extending down through the lip. The seam being formed by a double thickness of metal caused by the overlapping edges of the sheet materially strengthens the handle and compensates for the leverage caused by the heavy material contained within the utensil.

In the accompanying drawings, Figure 1 is a perspective view of a dipper provided with my single-piece sheet-metal handle. Fig. 2 is a sectional view of the dipper as shown in Fig. 1. Fig. 3 is a plan view of a blank forming the lower portion of the handle. Fig. 4 is a perspective view of the dipper and handle.

The blank forming the handle consists of the body portion 1, said portion gradually increasing in its lateral dimension toward the upper end of the blank, as shown in Fig. 3. The portion 1 is adapted to be rounded up, and the edges of the portion 1 are folded and locked together, the folds being made on the dotted lines 22, and thus the seam 3 is formed

in the upper side of the handle, said seam extending the entire length of the handle. The recesses 4 4 are cut in the lower end of the portion 1, said recesses at the points 5 being enlarged, the said enlargement being adapted to receive the upper edge of the utensil 6, and when the longitudinal edges of the portion 1 are locked together the sections 7 7 extend over into the utensil and form the lip 8, the said lip being secured to the inner side of the utensil, as shown in Figs. 1 and 2.

The portion 9 constitutes the flange at the lower end of the handle. The central part of the portion 9 is formed upon the dotted line 10, and a transverse fold 11 is made on the dotted lines 12. The fold 11 pitches the portion 1 at the desired angle to the flange 9. The said fold also strengthens the handle at this point.

The handle is applied to the utensil in the following manner: The edges of the portion 1 having been locked together, the lip 8 is secured to the inner side of the utensil 6, and the edges of the flange 9 are secured to the outer side of the utensil 6. These parts may be secured by means of solder, rivets, or any other suitable fastening devices.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A single-piece sheet-metal handle consisting of a blank having its longitudinal edges formed up and locked together at the upper side of the handle, thus forming a longitudinal seam extending along the upper side of the handle, recesses cut at the lower end of the body portion of the handle, said recesses adapted to receive the upper edge of the utensil, a lip extending into the utensil and being secured to the inner side thereof, a fold extending through the longitudinal axis of the lip, a flange extending from the lower end of the body portion of the blank, said flange adapted to be secured to the outer side of the utensil, a transverse fold pitching said flange at the proper angle to the handle.

In testimony whereof I claim the foregoing as my own invention and hereto affix my signature in the presence of two witnesses.

JOHN W. GREENE.

Witnesses:

H. A. BEEMAN,
A. W. SUTHERLAND.