

No. 652,350.

E. E. DAVENPORT.
SCOOP.

Patented June 26, 1900.

(Application filed Feb. 28, 1900.)

(No Model.)

Fig. 1.

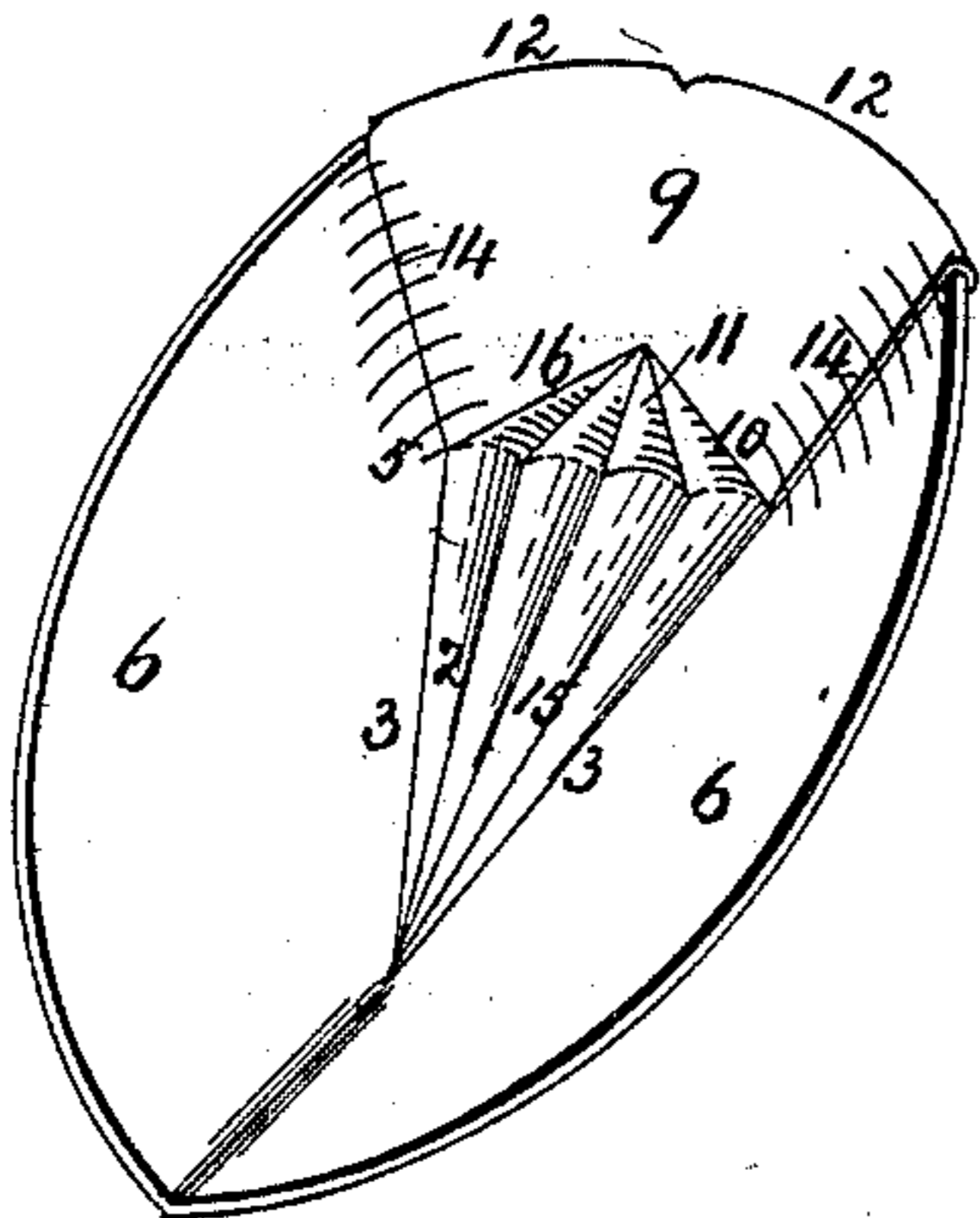


Fig. 2.

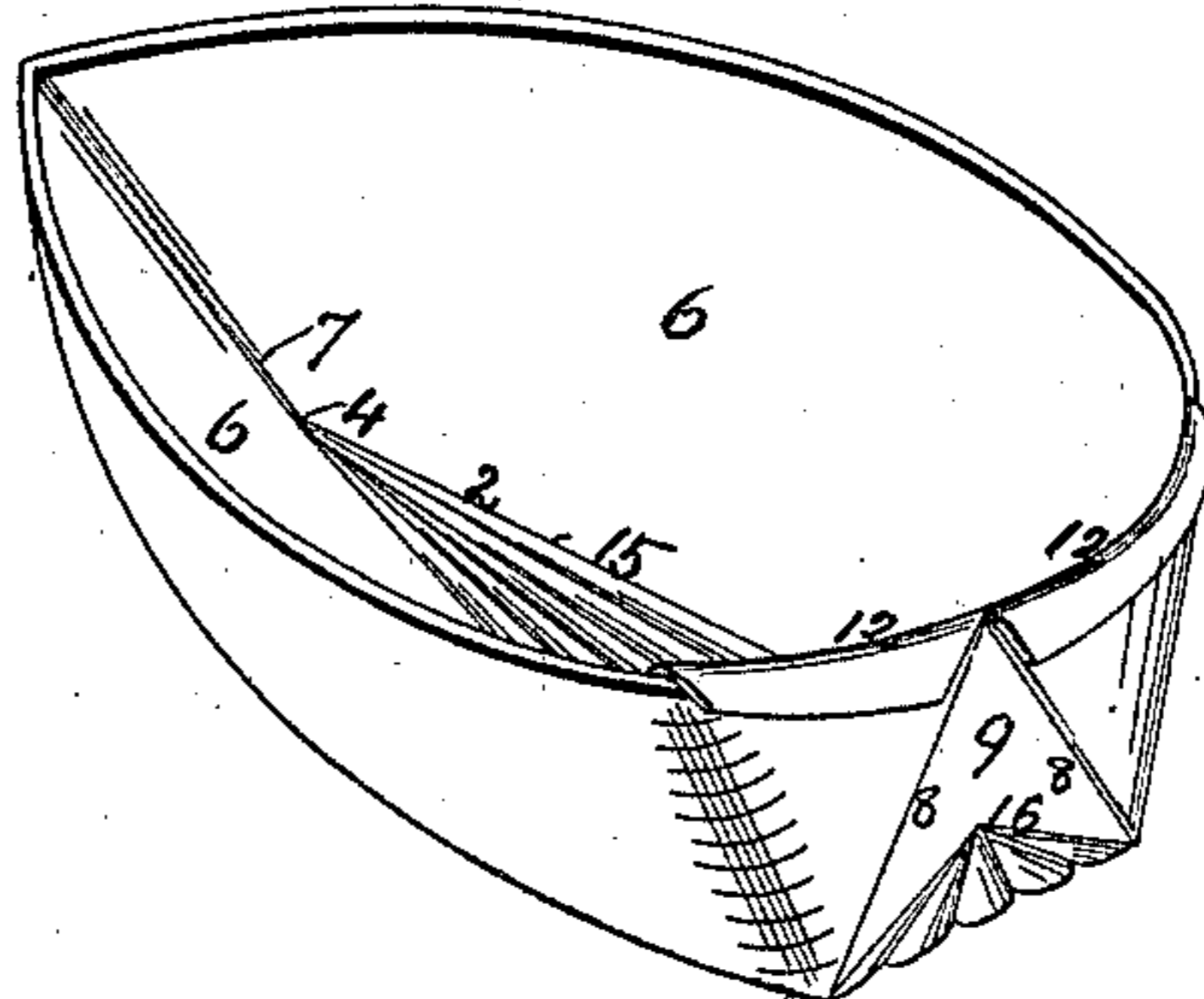


Fig. 3.

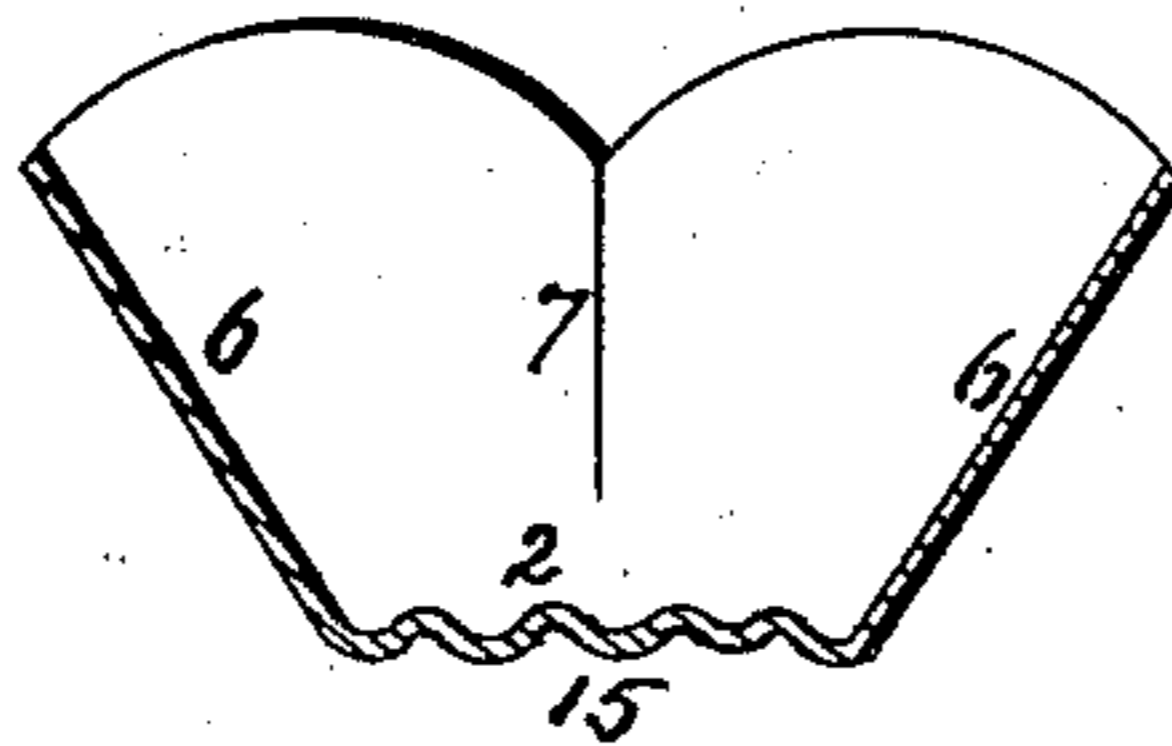
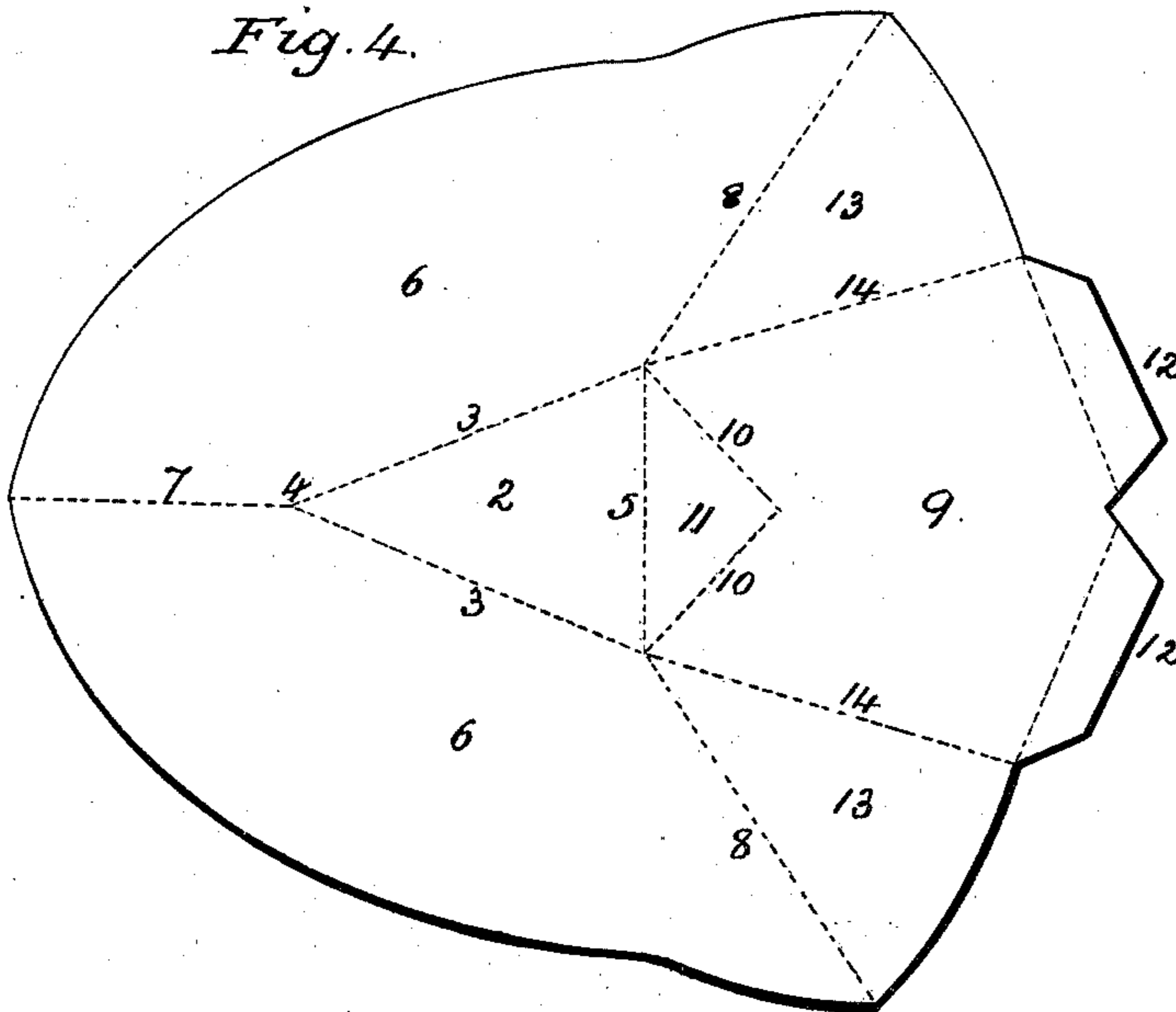


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

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SCOOP.

SPECIFICATION forming part of Letters Patent No. 652,350, dated June 26, 1900.

Application filed February 28, 1900. Serial No. 6,866. (No model.)

To all whom it may concern:

Be it known that I, ELMER E. DAVENPORT, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Scoops, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to an improved mode of constructing sheet-metal scoops.

In the present state of the art it is well known that scoops composed of a single blank of sheet metal are the best exemplification of articles of this nature. It is a fact, however, that in forming the blank portions of the same must be notched, split, or cut out, and the use of solder for securing the seams is an absolute necessity, rendering the scoop unsightly in appearance, weakening its structure, and enhancing its cost.

The objects of my invention are to obtain from a single blank of sheet metal without notching or splitting it a partly-triangular or spoon-shaped and substantially flat-bottomed scoop, the sides bent outwardly from the lateral angles of the bottom and curved, meeting at a point elevated above said bottom, the back portion of quadrangular convexed form having an inclined and triangularly-shaped base and reinforced on each side of its longitudinal axis by two triangular folds of metal, forming continuations of the sides. Such a scoop exhibits no seams and does not require the use of solder, but is properly reinforced at the points most needed. I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view seen from the front of a scoop constructed in accordance with my invention. Fig. 2 is a rear perspective view of the same. Fig. 3 is a transverse section showing corrugations; and Fig. 4 is a top view of the sheet-metal blank cut in the proper shape to form the body of the scoop, the dotted lines indicating also where the blank is to be bent and the parts folded.

In said drawings the body of the scoop consists of a blank of sheet metal bent to form four portions without seams between them. The blank is represented at 1.

2 designates the bottom of the scoop, which is bent on two lines 3 3, which converge and

meet at their forward ends at 4 and are connected at their rear by a straight line 5. The sides 6 taper toward the front, unite at line 7, and are connected with the back on lines 8 8. The back portion 9 is bent on line 5 and again on lines 10 10, forming a triangular-shaped portion 11, and has two lugs 12 12, which are to be bent rearwardly upon the rear edges of triangular folds 13 13, made on lines 14 14 of the sides.

To give an upturned inclination to the forward ends of the sides 6 6, the bottom 2 is provided with flutings or corrugations 15, extending longitudinally thereof, the highest points of which are in a common plane, said corrugations being continued in the triangular-shaped portion 11, (shown at 16.)

The scoops will be provided with any suitable style of handle, according to size or use.

It will be seen that my new scoop construction affords an appreciable economy in material, requires no soldering, and is devoid of seams, whereby I attain a superior scoop at substantially-small expense. It will be further seen that the novel feature of fluting the bottom, besides elevating the forward portion of the scoop, gives a stability to the back and sides not found in other constructions.

Having thus described my invention, I claim—

1. A scoop having its body made from a blank consisting of a single piece of sheet metal, and composed of a triangular-shaped bottom, the points of which are in a common plane, sides wholly connected with said bottom; a back portion having an inclined base, said sides being lapped, forming triangular portions which are folded in the rear of the back, and means for uniting said sides and back portion, substantially as described.

2. A scoop having its body made from a blank consisting of a single piece of sheet metal and composed of a triangular bottom having corrugations extending longitudinally thereof, sides wholly connected with said bottom, a quadrangular back portion, having an inclined corrugated base, said sides being lapped, forming triangular portions, which are folded in the rear of the back, and means for uniting said sides and back portion, substantially as described.

3. A scoop having its body made from a

blank consisting of a single piece of sheet
metal and composed of a triangular bottom
having corrugations extending longitudinally
thereof, the highest points of which are in a
5 common plane, sides wholly connected with
said bottom and converging at a point axially
alined with the front end of the bottom, but in
a substantially-higher plane, a quadrangular
back portion provided at its top with lugs and
10 having a corrugated inclined triangular base;

said sides being lapped, forming triangular
portions, which are folded in the rear of the
back and retained by said lugs, substantially
as described.

In testimony whereof I affix my signature 15
in presence of two witnesses.

ELMER E. DAVENPORT.

Witnesses:

J. W. GHISELINS,
GEO. W. SPRINGER.