H. W. ZAWADZKY.

METALLIC SUPPORTING SHELF AND METHOD OF MANUFACTURE.

APPLICATION FILED JULY 28, 1917.

1,255,266. Patented Feb. 5, 1918.

FIG. 1.

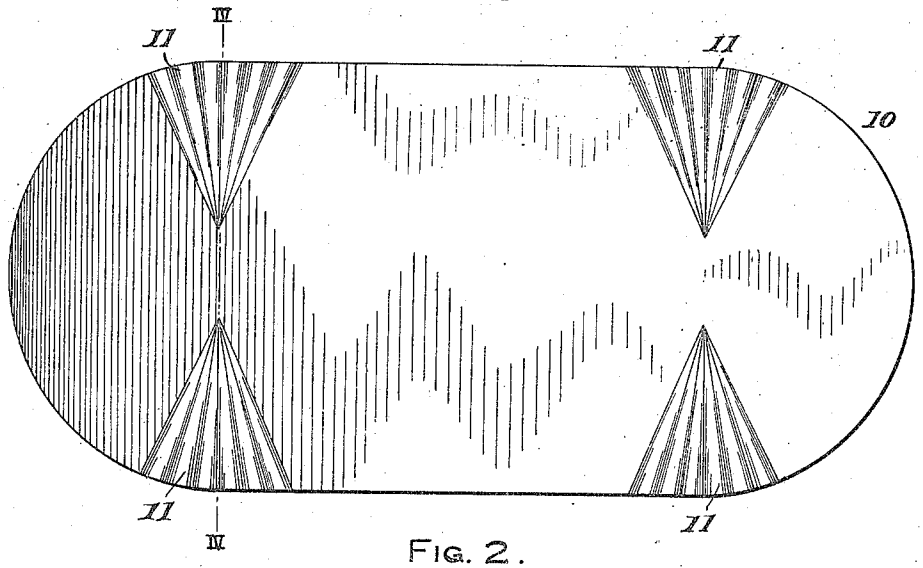


FIG. 2.

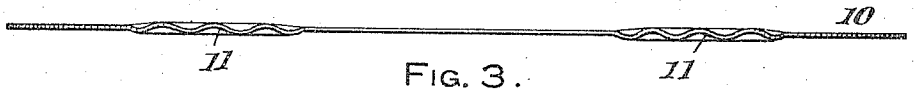


FIG. 3.

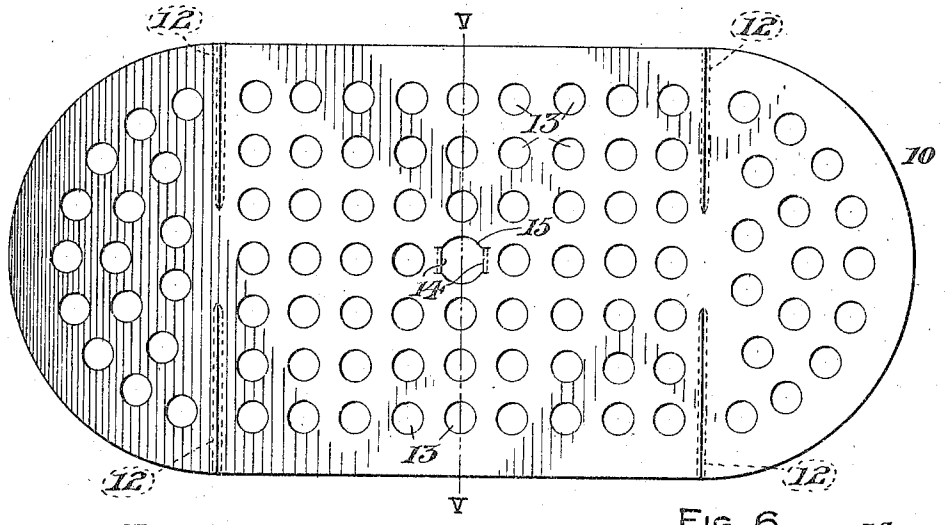


FIG. 4.

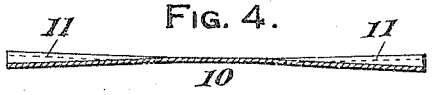


FIG. 5.

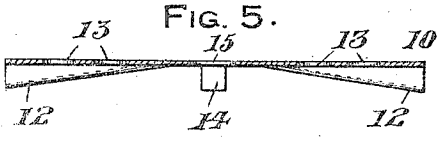
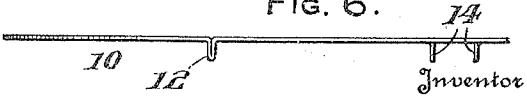


FIG. 6.



Inventor

H. W. Zawadzky

By

Attorney

UNITED STATES PATENT OFFICE.

HERMAN W. ZAWADZKY, OF WATERBURY, CONNECTICUT.

METALLIC SUPPORTING-SHELF AND METHOD OF MANUFACTURE.

1,255,266. Specification of Letters Patent. Patented Feb. 5, 1918.

Application filed July 28, 1917. Serial No. 183,301.

To all whom it may concern:

Be it known that I, HERMAN W. ZAWADZKY, a citizen of Russia, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Metallic Supporting-Shelves and Methods of Manufacture, of which the following is a specification.

This invention relates to new and useful improvements in metallic supporting shelf and method of manufacture.

The primary object of the invention is the provision of a shelf or support adapted for such uses as the draining of articles, the shelf being formed by stamping from a single piece blank, forming a foraminous support suitably elevated for draining purposes.

A further object of the device is to provide a drain plate that is easy and inexpensive to manufacture but at the same time possesses great strength and utility, the same being formed from a metal blank by suitably stamping and punching the same.

A still further object of the device is to provide a perforated support that is serviceable for use with such boilers as clothes boilers and cookers and is formed of a metallic blank by the process of crimping and then stamping the same.

In the drawing forming a part of this application and in which like reference characters refer to corresponding parts throughout the several views,

Figure 1 is a plan view of a blank suitably crimped and from which the device is formed.

Fig. 2 is an edge view thereof.

Fig. 3 is a plan view of the complete device.

Fig. 4 is a transverse sectional view taken upon line IV—IV of Fig. 1.

Fig. 5 is a transverse sectional view taken upon line V—V of Fig. 3 and

Fig. 6 is an edge view of a portion of the device shown in Fig. 3.

Referring more in detail to the drawing, a sheet metal blank 10 is illustrated which may be of any desired form and size roughly approximating the size of the device to be formed. I first arrange oppositely positioned fan-shaped crimped portions 11 in the blank, the same being pressed or struck into the body thereof. This operation provides an additional amount of material at the crimped portions 11 adapted to be stamped centrally into outwardly flaring depending flanges 12. These flanges 12 will be arranged opposite each other adjacent the ends of the blank 10 and will form feet upon which the device is mounted when positioned upon any suitable support such as a table or the bottom of a wash boiler.

A plurality of perforations 13 are provided through the blank 10 of any desired size for permitting the drain of fluid therethrough. Downwardly struck ears 14 are provided at opposite sides of the central perforation 15 of the blank, the said ears depending beneath the body portion of the device substantially the same length as the flanges 12 and adapted for assisting in supporting the central portion of the device as well as preventing the latter from bending or flexing adjacent the center thereof.

A simple process for manufacturing a support or shelf is arranged adaptable for different uses and easily formed from a sheet metal blank by successive stamping operations.

What I claim as new is:—

1. An article of manufacture comprising a shelf formed of a single piece of perforated metal having struck down outwardly flaring flanges oppositely arranged adjacent the ends of the device and centrally depending spaced ears downwardly struck from the blank of the same width as said flanges and adapted therewith for supporting the device as well as for preventing the same from bending centrally.

2. A method of making a drain shelf consisting in providing an elongated sheet metal blank, crimping outwardly flaring fan-shaped portions in the blank at opposite points adjacent the ends of the latter, then stamping the said crimped portions outwardly centrally thereof forming outwardly flaring depending flanges upon one side of the blank.

3. A method of making a drain shelf consisting in providing an elongated sheet metal

blank, crimping outwardly flaring fan-shaped portions in the blank at opposite points adjacent the ends of the latter, then stamping the said crimped portions outwardly centrally thereof forming outwardly flaring depending flanges upon one side of the blank, then punching a plurality of holes through the blank and then striking outwardly spaced ears from the central perforation upon the same side of the blank as the said flanges.

In testimony whereof I affix my signature.

HERMAN W. ZAWADZKY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."