

No. 706,887.

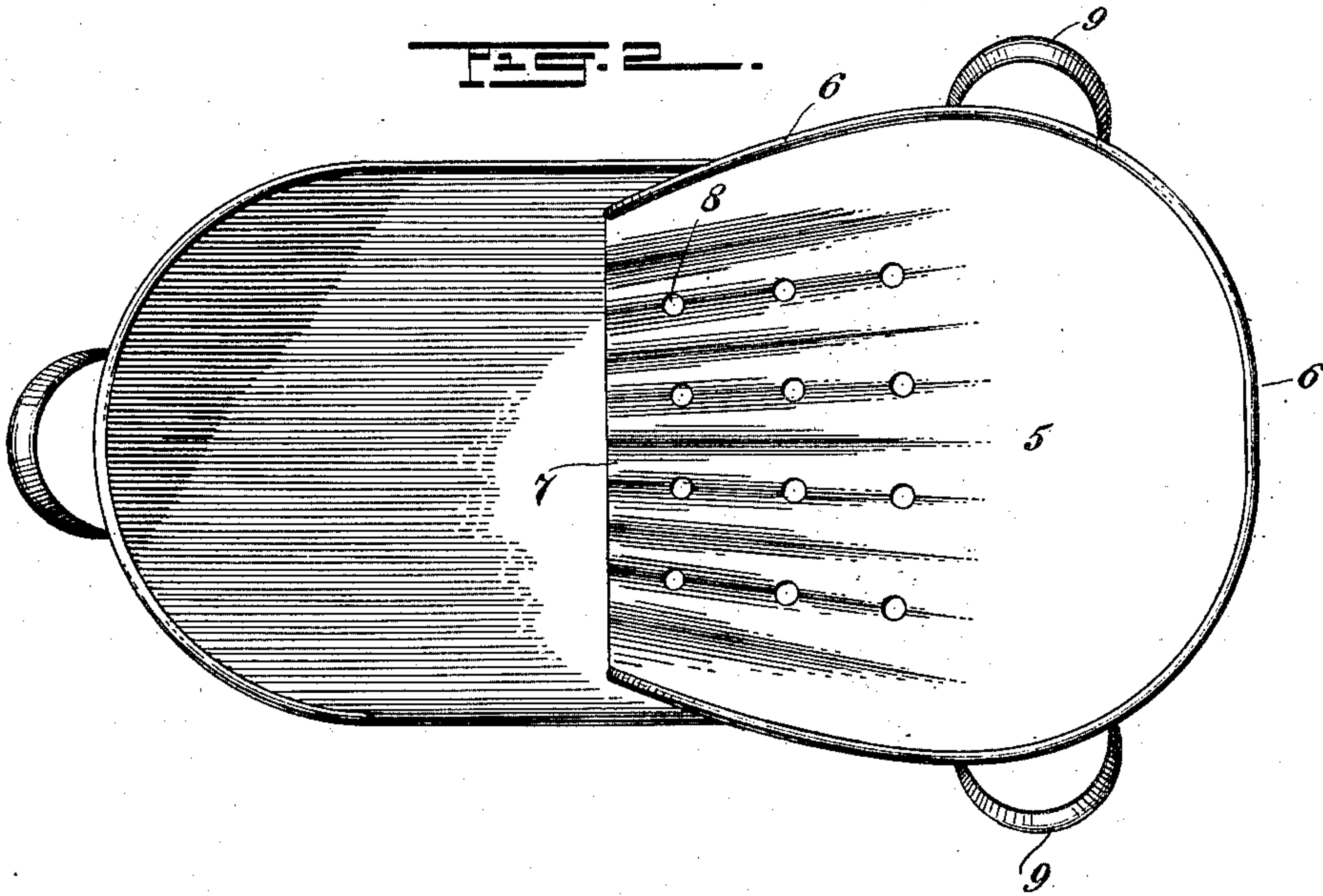
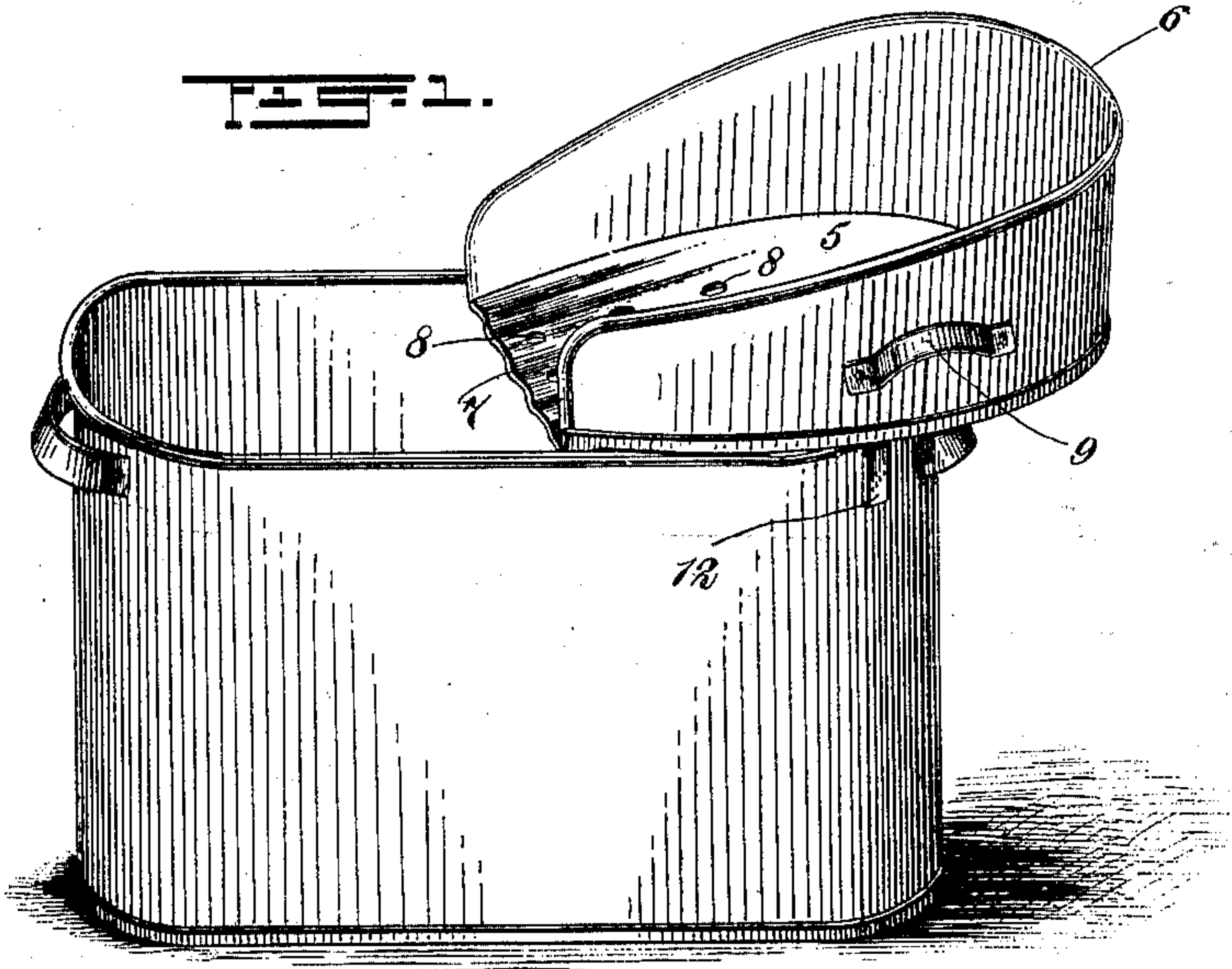
Patented Aug. 12, 1902.

H. BLENKHORN.
CLOTHES DRAINER.

(Application filed Feb. 5, 1902.)

(No Model.)

2 Sheets—Sheet 1.



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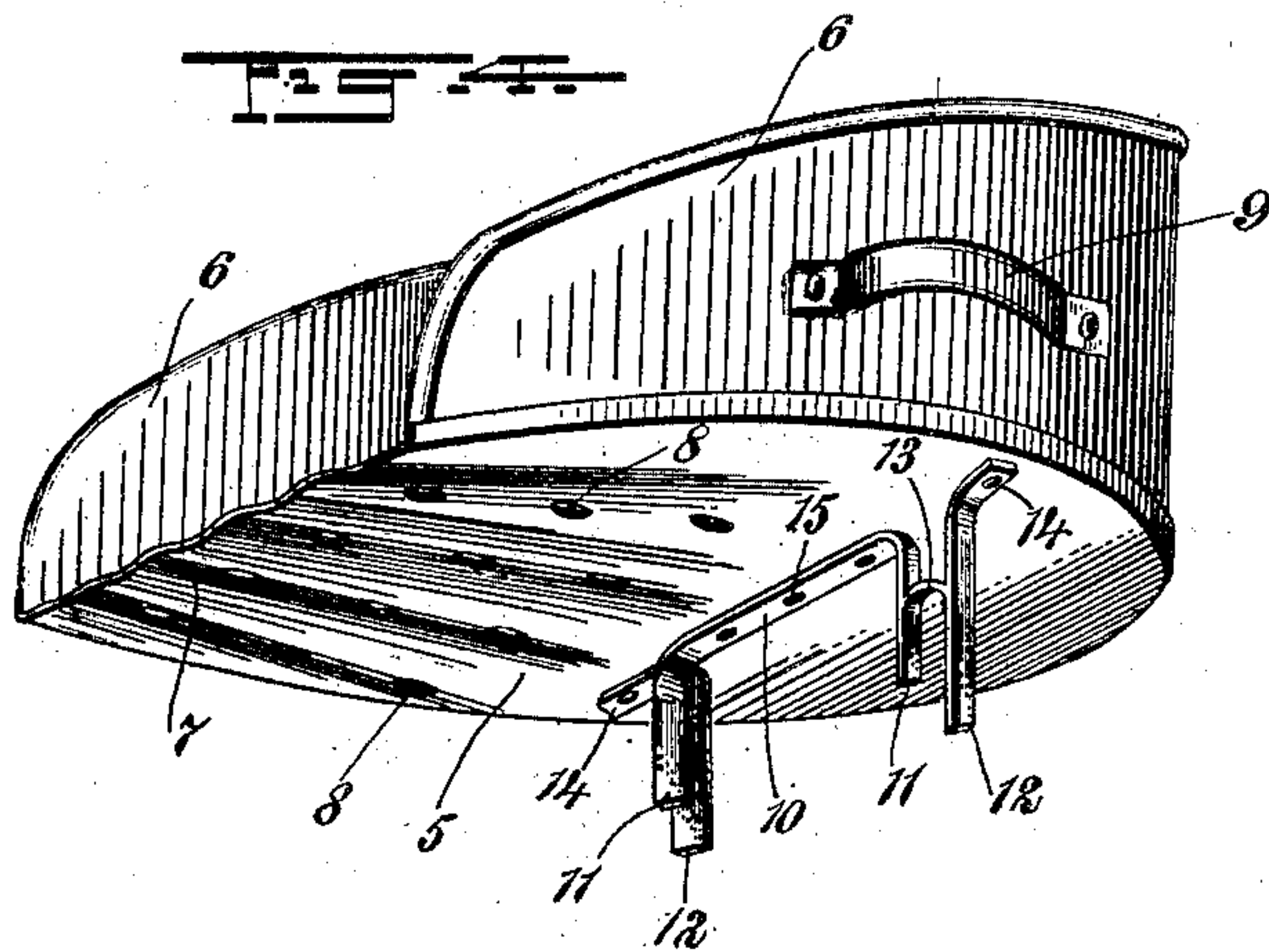
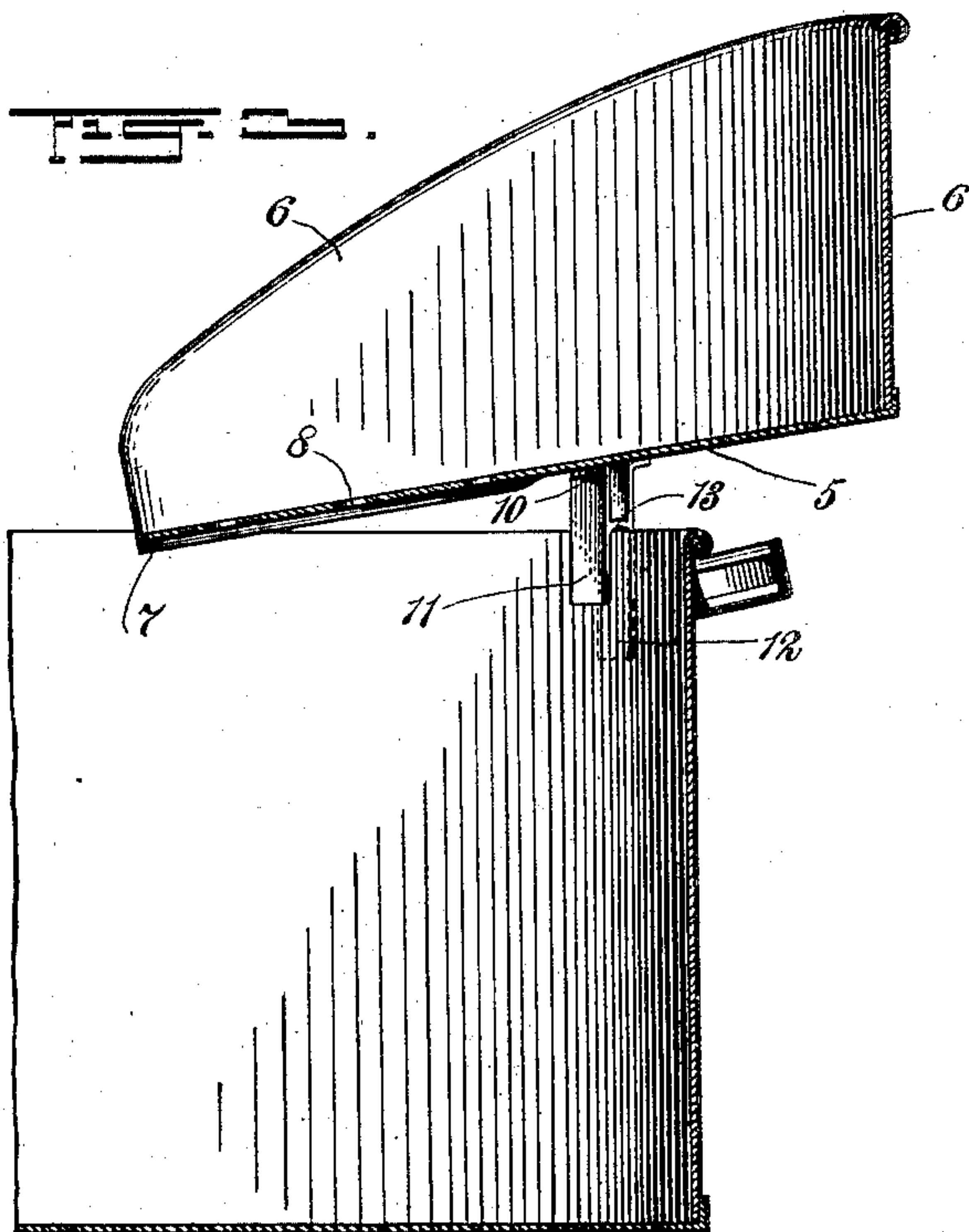
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UNITED STATES PATENT OFFICE.

HARRIET BLENKHORN, OF MINNEAPOLIS, MINNESOTA.

CLOTHES-DRAINER.

SPECIFICATION forming part of Letters Patent No. 706,887, dated August 12, 1902.

Application filed February 5, 1902. Serial No. 92,603. (No model.)

To all whom it may concern:

Be it known that I, HARRIET BLENKHORN, a citizen of the United States, and a resident of Minneapolis, in the county of Hennepin and State of Minnesota, have invented new and useful Improvements in Clothes-Drainers, of which the following is a full, clear, and exact description.

My invention relates to improvements in drainers especially adapted for use on domestic washboilers for the purpose of draining the clothes saturated with hot water, thus obviating the objectionable wetting of the floor.

One object of this invention is the provision of a simple and inexpensive contrivance which will effectually drain the water from clothes and insure the free and expeditious escape of the water from the clothes resting on the device.

A further object of the invention is the provision of improved means for supporting the drainer in an inclined position on the boiler or other vessel, such means also holding the drainer against sidewise displacement and also against any tendency to tilt or cant backward under the weight of the clothes which may be contained in the rear part of the article.

With these ends in view the invention consists in an improved clothes-drainer embodying certain novel features of construction and arrangement of parts, as will be hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view illustrating the application of my improved clothes-drainer to an ordinary washboiler. Fig. 2 is a plan view of the parts shown by Fig. 1. Fig. 3 is a vertical sectional elevation through the improved drainer and through a part of the washboiler, and Fig. 4 is a partial under perspective view of the drainer removed from the washboiler.

The drainer of my invention is preferably constructed of sheet metal—such, for example, as galvanized iron—although any other suitable material may be employed in the manufacture of the article. The drainer consists of a bottom 5 and an upstanding wall or

flange 6. The bottom is a piece of sheet metal, solid and unbroken at its rear portion and provided with a series of corrugations 7 and a plurality of openings 8 at the front portion thereof. The corrugations are not parallel, because they converge slightly toward the open front end of the drainer, and these corrugations form or produce a series of longitudinal channels that extend from the solid plane surface of the bottom and open through the front edge of the drainer. (See Figs. 1, 2, and 4.) The perforations 8 are arranged in series longitudinally of the bottom, and these series of perforations are provided at the highest points of the corrugations, as shown more clearly by Figs. 3 and 4, thus disposing the perforations alternately in relation to the channels which are formed by the corrugations. The bottom 5 has a curved rear edge and converging side edges, and the upstanding wall 6 conforms to the shape of the bottom, said wall bounding the drainer except at the open front side thereof. The wall is highest at the middle rear part of the drainer, and it gradually slopes on the two sides toward the open front end of the article. This wall is furnished with the handles 9, which are located on opposite sides of the article and extend outwardly a suitable distance therefrom, said handles affording convenient means for carrying the drainer from one place to another and for adjusting said drainer to a boiler or in removing the same therefrom.

To insure maximum efficiency of the article when in position on the washboiler, it is necessary to cant or tilt the drainer so that the bottom 5 will slope downwardly toward the boiler, thus allowing the water which drains from the clothes to escape through the perforations and the channels of the drainer back into the boiler. I have provided an exceedingly simple and novel device which not only gives the desired inclination to the drainer, but it also serves to prevent the drainer from sidewise displacement on the boiler and from rocking or tilting in a backward direction under the weight of the clothes which may rest upon the non-perforated rear part of the bottom 5. This device is embodied in the form of a casting or bracket, which is shown more clearly by Fig. 4, said casting or bracket having a bar or strap 10

and the pairs of legs 11 12 at opposite ends of the strap or bar. These legs extend downwardly from the casting or bracket, and the pairs of legs are disposed in reversely-inclined positions to the length of the bar in order that the legs may fit properly over the rounded end wall of the boiler. The legs of each pair are joined one to the other by the arched webs 13, and one leg of each pair is made somewhat longer than the other leg of the same pair—as, for instance, the leg 12 is longer than the leg 11. (See Figs. 3 and 4.) The longer legs 12 of the two pairs are extended upwardly above the webs 13 and are provided with the outwardly-extending lugs 14, which are disposed in the horizontal plane of the bar or strap 10, whereby the lugs and the bar may be firmly fitted against the under side of the bottom, and the entire bracket or casting may be attached solidly to the drainer by rivets, screws, or other fasteners, as indicated at 15.

In applying the drainer to a washboiler the bracket or casting is placed so that the webs 13 rest upon the top edge of the boiler, the legs 11 engage with the inner face of the boiler, and the longer legs 12 rest or bear against the outer face of the boiler. (See Fig. 3.) The front part of the drainer rests upon the side walls of the boiler, and as the webs 13 of the bracket lie some distance below the bottom of the drainer it is evident that the article will partake of the inclined position shown by Fig. 2. The two pairs of legs of the bracket adapted to take over the top edge of the boiler effectually prevent the drainer from sidewise displacement upon the boiler. The longer legs 12 of the bracket, which bear against the outer face of the boiler, overcome any tendency of the drainer

to cant or tilt in a backward direction under the weight of the load on the drainer.

The article is very simple in construction, it is easy to keep clean and in good order, and it can be manufactured at a moderate cost. The employment of the channeled and perforated bottom insures the free escape of the water which may drain from the clothes that rest upon the bottom 5.

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

1. A drainer having a flanged body which is perforated and channeled and provided with a solid flat portion at the rear, and a bracket or casting secured to said flat portion of the body and provided with a cross-bar and with pairs of legs, each pair of legs being joined by a web.

2. A drainer comprising a body and a bracket secured to the underside of the body, said bracket having a cross-bar and pairs of legs integral with the cross-bar, each pair of legs being united by an integral web and the two pairs of legs being disposed at different angles to the length of the cross-bar.

3. In a drainer, a bracket or casting comprising a cross-bar, pairs of legs at the ends of said cross-bars joined together by webs, and lugs at the upper ends of the outer legs and disposed in the plane of said cross-bar, as and for the purposes described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HARRIET BLENKHORN.

Witnesses:

FLORENCE BLENKHORN,
TRAFFORD N. JAYNE.