

F. SOCHUREK, SR.
BOTTLE TRAY.

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966,258.

Patented Aug. 2, 1910.

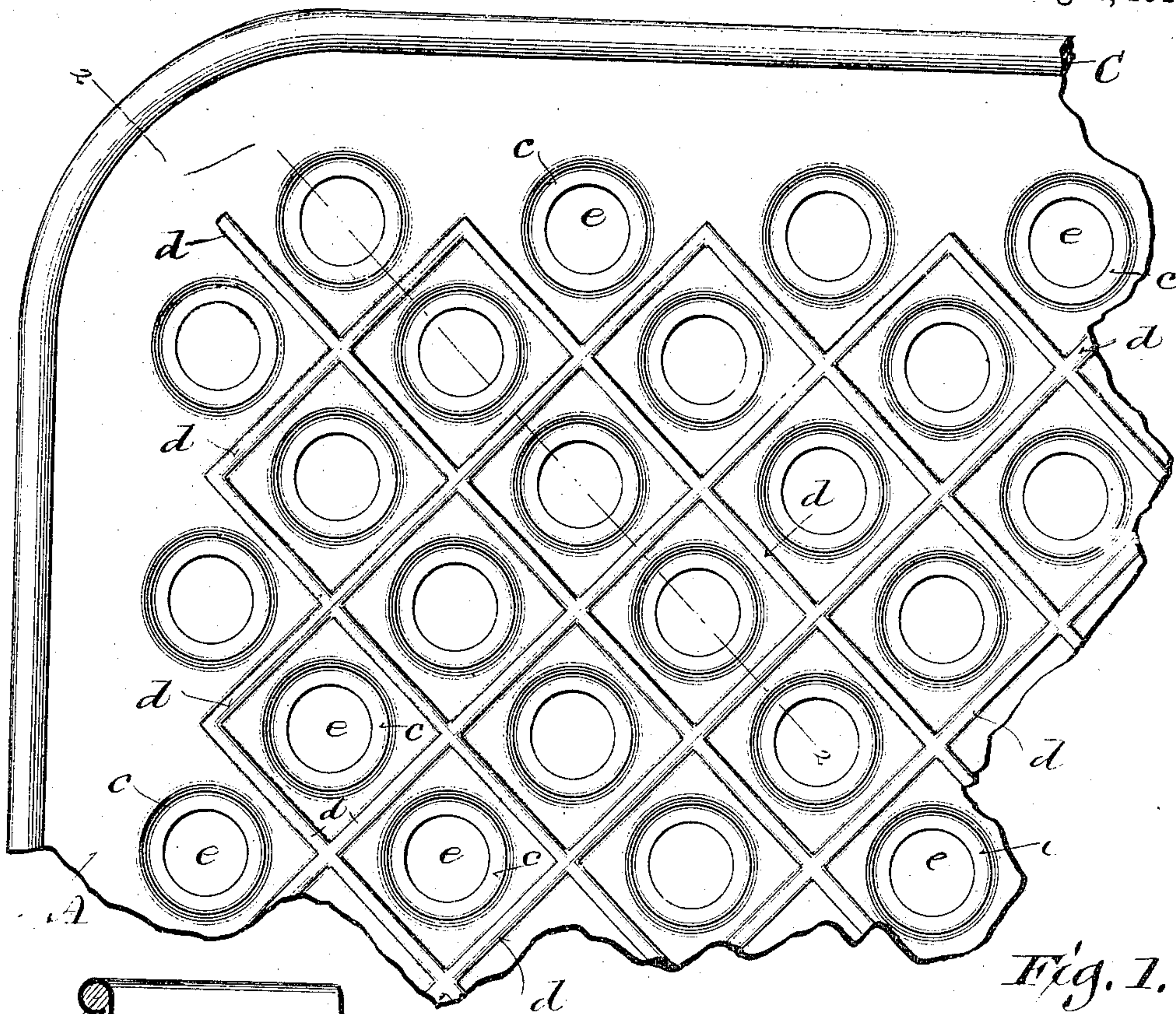


Fig. 1.

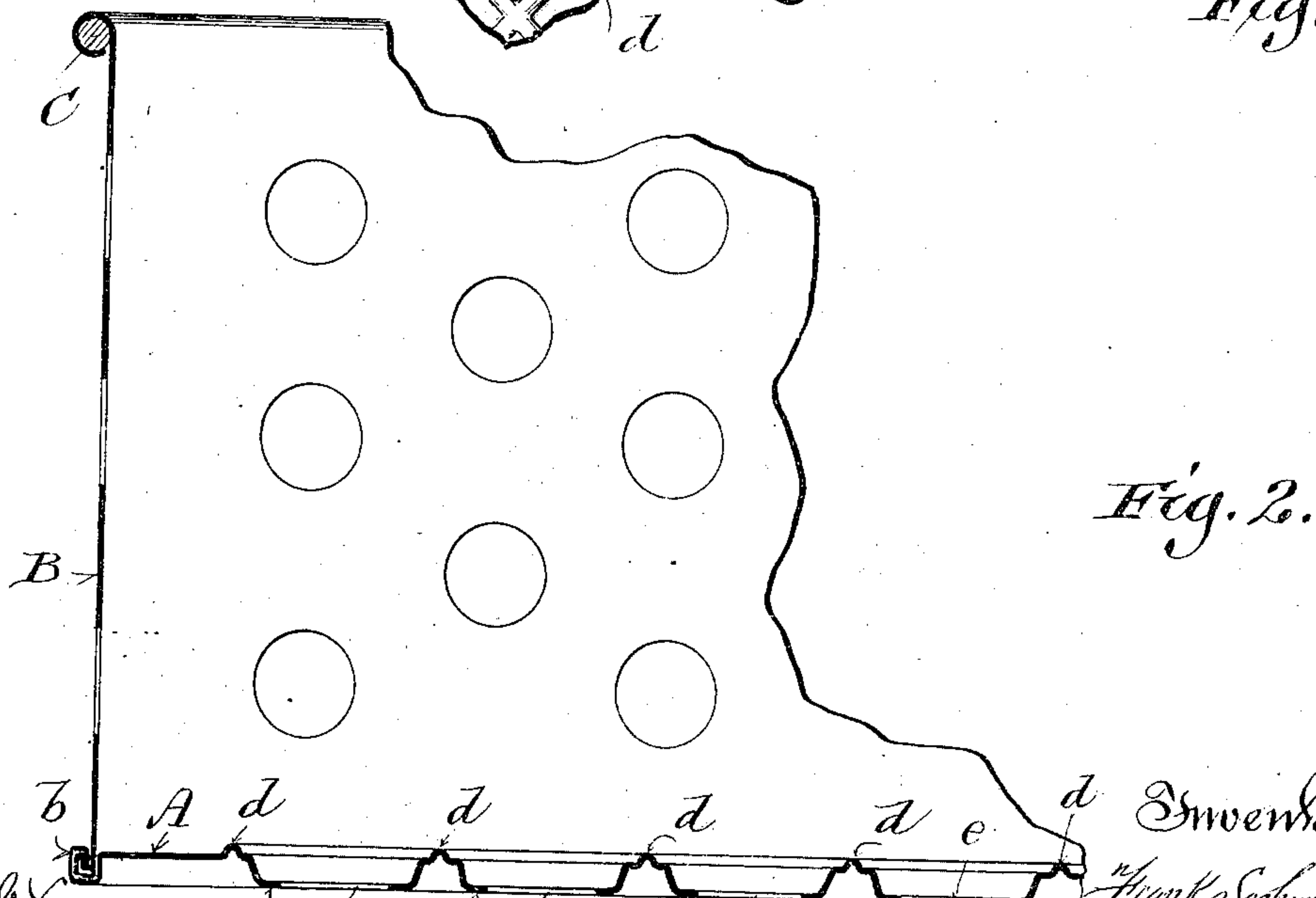


Fig. 2.

Witnesses:
George F. Felber
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UNITED STATES PATENT OFFICE.

FRANK SOCHUREK, SR., OF MILWAUKEE, WISCONSIN.

BOTTLE-TRAY.

966,258.

Specification of Letters Patent.

Patented Aug. 2, 1910.

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To all whom it may concern:

Be it known that I, FRANK SOCHUREK, Sr., a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Bottle-Trays; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention consists in what is herein shown, described and claimed, its object being to improve the preferably perforated sheet-metal bottle-tray set forth in Patent No. 858,766, issued to me July 2, 1907, the improved tray being constructed with especial reference to safety of bottles carried therein and to anti-slip of said tray on a conveyer.

Figure 1 of the accompanying drawings represents a plan view of a fragment of my improved simple, economical, stiff and durable, preferably perforated, sheet-metal tray in which to sterilize bottle beverages; and Fig. 2, a sectional view of the same on the plane indicated by line 2—2 in Fig. 1.

Referring by letter to the drawings, A indicates the bottom and B the continuous wall of an approximately rectangular sheet-metal bottle-tray, the corners of the same being rounded. The bottom and wall of the tray are united by seaming, the meeting ends (not shown) of said wall being also seamed together.

A stiffening wire C is caught in an upper outer bead of the tray-wall and if the tray is intended as a receptacle in which to sterilize filled and stoppered bottles, its bottom and wall are suitably perforated as herein shown.

The seam *b* of the tray bottom and wall constitutes a flange depending below the plane of said bottom that is provided with recurring rows of preferably circular indentations *c*, the arrangement of these interrupted indentations being such that those in each row are staggered with respect to those in the row or rows next adjacent. The depth of the indentations is such that their bases are flush with the flange *b* and said indentations not only serve to stiffen the bottom below its plane but also provide for

frictional contact of enough of said bottom with a conveyer to prevent slipping thereon of the tray. The tray bottom is perforated, and the perforations *c* occur central of the indentations aforesaid, as herein shown.

It is preferable, as herein shown, to provide the tray-bottom with two intersecting series of continuous elevations *d* at recurring intervals between indentations of said bottom. These elevations stiffen the tray-bottom above its plane and interrupt contact of the bottom of bottles with said tray-bottom, each bottle being supported on some of said elevations that absorb shock and prevent breaking of said bottles when the tray with its contents is set down on a floor, bench or other support.

If the elevations *d* be not employed, the indentations *c* of the tray-bottom will interrupt its contact with bottles, and those portions of said bottom between said indentations will constitute elevated shock-absorbing cushions for said bottles. However the indented bottom with the elevations as aforesaid is the preferred construction as thereby a sufficiently stiff tray-bottom may be made from lighter stock than would be otherwise necessary to prevent sag of said bottom under the weight of bottles and their contents in the tray.

I claim:

1. A sheet-metal bottle-tray having its bottom and wall united by a seam constituting a flange below the plane of the bottom and said bottom provided with recurring rows of interrupted perforated indentations the bases of which are flush with the edge of the flange.

2. A sheet-metal bottle-tray having its bottom and wall united by a seam constituting a flange depending below the plane of the bottom and said bottom provided with recurring rows of interrupted indentations and with two series of intersecting continuous elevations at recurring intervals between the indentations, the bases of said indentations being flush with the edge of the flange.

3. A sheet-metal bottle-tray having its bottom and wall united by a seam constituting a flange depending below the plane of the bottom, and said bottom provided with

recurring rows of interrupted perforated indentations and with two series of intersecting continuous elevations at recurring intervals between the indentations, the bases of
5 said indentations being flush with the edge of the flange.

In testimony that I claim the foregoing

I have hereunto set my hand at Milwaukee, in the county of Milwaukee and State of Wisconsin in the presence of two witnesses. 10
FRANK SOCHUREK, Sr.

Witnesses:

GEORGE G. FELBER,
THOS. J. DELOS HUNT.