(No Model.)

J. KILBOURNE.

Sink.

No. 240,146. **Patented April 12, 1881.**

Fig. 1.

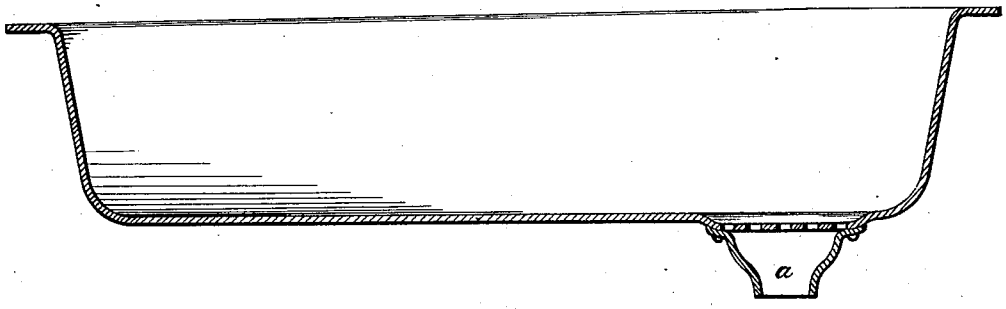
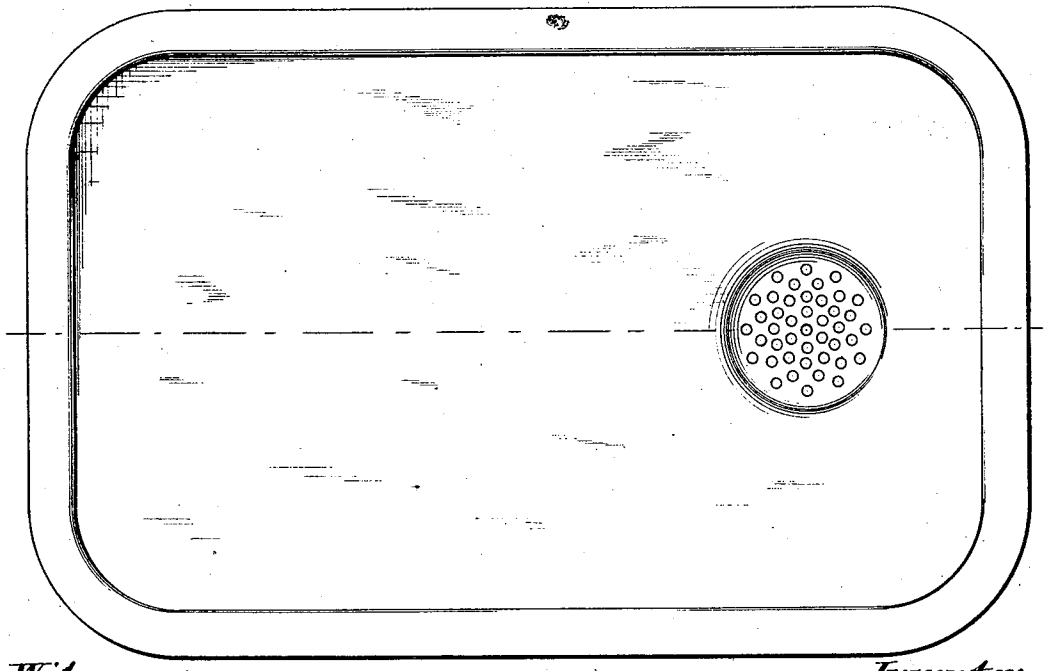


Fig. 2.



Witnesses.
Robert Everett
E. A. Brick

Inventor.
James Kilbourne
by his Attorney.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES KILBOURNE, OF COLUMBUS, OHIO.

SINK.

SPECIFICATION forming part of Letters Patent No. 240,146, dated April 12, 1881.

Application filed December 28, 1880. (No model.)

To all whom it may concern:

Be it known that I, JAMES KILBOURNE, of Columbus, Ohio, have invented certain new and useful Improvements in Sinks, of which the following is a specification.

My invention consists of a sink swaged or struck up from a single sheet of wrought-iron or steel without joint, seam, or interior angle.

Heretofore, so far as I am informed, sinks have been made of cast metal. Sinks of this kind are neither strong nor durable. They break easily and frequently in shipping or in storing them, and also in placing or setting them up in position for use. They are also liable to fracture or break if water should freeze in them, and in order to give them the modicum of strength which they possess a considerable amount of metal must be used in their construction, making them cumbersome and heavy, and increasing expense of manufacture.

I have discovered that the above-specified defects can be completely removed by making the sink of wrought iron or steel, said sink being swaged or struck up from a single sheet of such metal, as hereinbefore first specified. Such a sink is, of course, stronger than one of cast metal, and is not liable to be fractured or broken by a sudden jar or blow. It is cheaper than a cast-metal sink, for the reason that much less metal is required in its construction, and it can, by the swaging operation—as, for instance, by being struck up in a drop-press—be made more rapidly and economically.

In the accompanying drawings I have represented a sink embodying my improvement.

Figure 1 is a longitudinal vertical central section, and Fig. 2 is a plan of said sink.

The sink is, as before said, swaged from a single sheet of wrought steel or iron, and is without joint or seam or interior angle, as shown. The article of this shape can quickly and readily be struck up by means of a drop-press. In the bottom of the sink there is a circular depression with holes punched therein for drainage purposes. In lieu of this, however, I can make the sink with a hole cut through its bottom at the point where the circular depression is shown in the drawings, and then cover this hole by a strainer made of malleable iron or copper. The neck *a*, to which the waste-pipe is to be attached, is made preferably of malleable iron, and is riveted to the bottom of the sink, as shown in Fig. 1. The sink being, as seen in the drawings, without interior angle, has practically equal strength at all points, and has no corners, where sediment or dirt can gather.

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

1. The herein-described sink, made of a single sheet of wrought steel or iron, without joint, seam, or interior angle, substantially as set forth.

2. The seamless sink formed from a single sheet of wrought metal, and provided with a neck, *a*, of malleable metal riveted thereto, substantially as set forth.

In testimony whereof I have hereunto set my hand this 24th day of December, 1880.

JAMES KILBOURNE.

Witnesses:

A. E. CREIGHTON,

A. B. NORTON.