F. CISAR & F. SOCHUREK.

BEER-COOLER.

No. 188,282. Patented March 13, 1877.

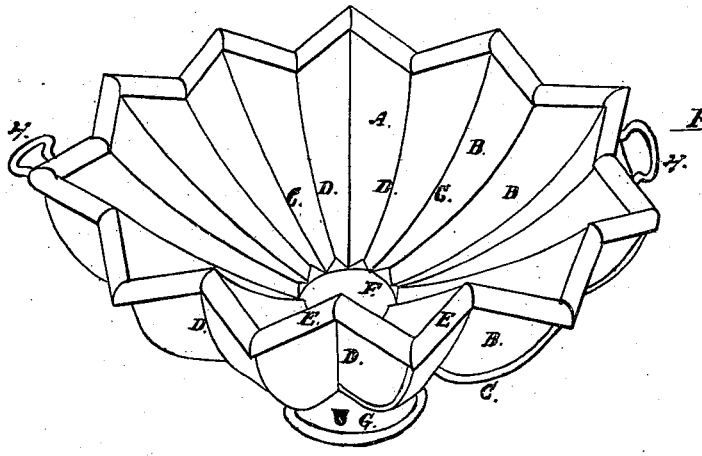
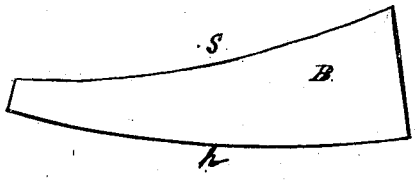


Fig. 1.

Fig. 2.



WITNESSES:

Francis J. Borchardt

Ferdinand Baringer.

INVENTORS:

Fred Cisar and

F. Sochurek

By Jas. B. Enrit

attorney.

UNITED STATES PATENT OFFICE.

FERD CISAR AND FRANK SOCHUREK, OF MILWAUKEE, WISCONSIN.

IMPROVEMENT IN BEER-COOLERS.

Specification forming part of Letters Patent No. **188,282**, dated March 13, 1877; application filed September 27, 1876.

To all whom it may concern:

Be it known that we, FERD CISAR and FRANK SOCHUREK, of the city of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Beer-Coolers; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of our invention is to produce a suitable vessel in which to float ice upon the surface of beer for the purpose of cooling it.

The claim and drawings will further explain the nature of the same.

Figure 1 of the accompanying drawings represents a perspective view. Fig. 2 is a sectional view.

A is the body of the vessel, which is of a hemispherical shape, and is composed of plates of sheet metal, B, extending lengthwise from the top to the bottom of the vessel. The plates B are united together at their sides at an angle of about ninety degrees, thus forming a corrugated or zigzag surface to the body of the vessel. The edges *g* and *h* of the plates B are, respectively, concave and convex, as shown in Fig. 2, which represents their shape before being soldered together. The concave edges are soldered together to form the joint C, and the convex edges are united to form the joint D, which peculiar form gives to the vessel the resisting strength of an arch, as all pressure or strain comes edgewise upon the plates B, instead of against their flat surface, as in ordinary beer-coolers, which form also gives the vessel more cooling-surface.

The corrugated or angular shape of the inner surface serves an important end or purpose by preventing the blocks of ice with which the vessel is filled from jamming against the center of the plates.

There is a hollow sheet-metal tube, E, surrounding the top of the vessel A, which serves the double purpose of a hoop to strengthen the vessel and a float, adding buoyancy to the vessel, thus increasing its supporting capacity and also preventing it from tipping over.

We do not claim as our invention the bottom F or hoop G or handles H, as we are aware that they are not new.

We claim as our invention—

A beer-cooler constructed, as described, from plates B, having concave edge *g* and convex edge *h*, and united together at their edges in the manner described, and at their upper ends by the hollow sheet-metal tube E, substantially as and for the purpose specified.

In testimony that we claim the foregoing as our own we affix our signature in presence of two witnesses.

FERD CISAR.
FRANK SOCHUREK.

Witnesses:
J. B. KENÖPFER,
K. SHAWVAN.