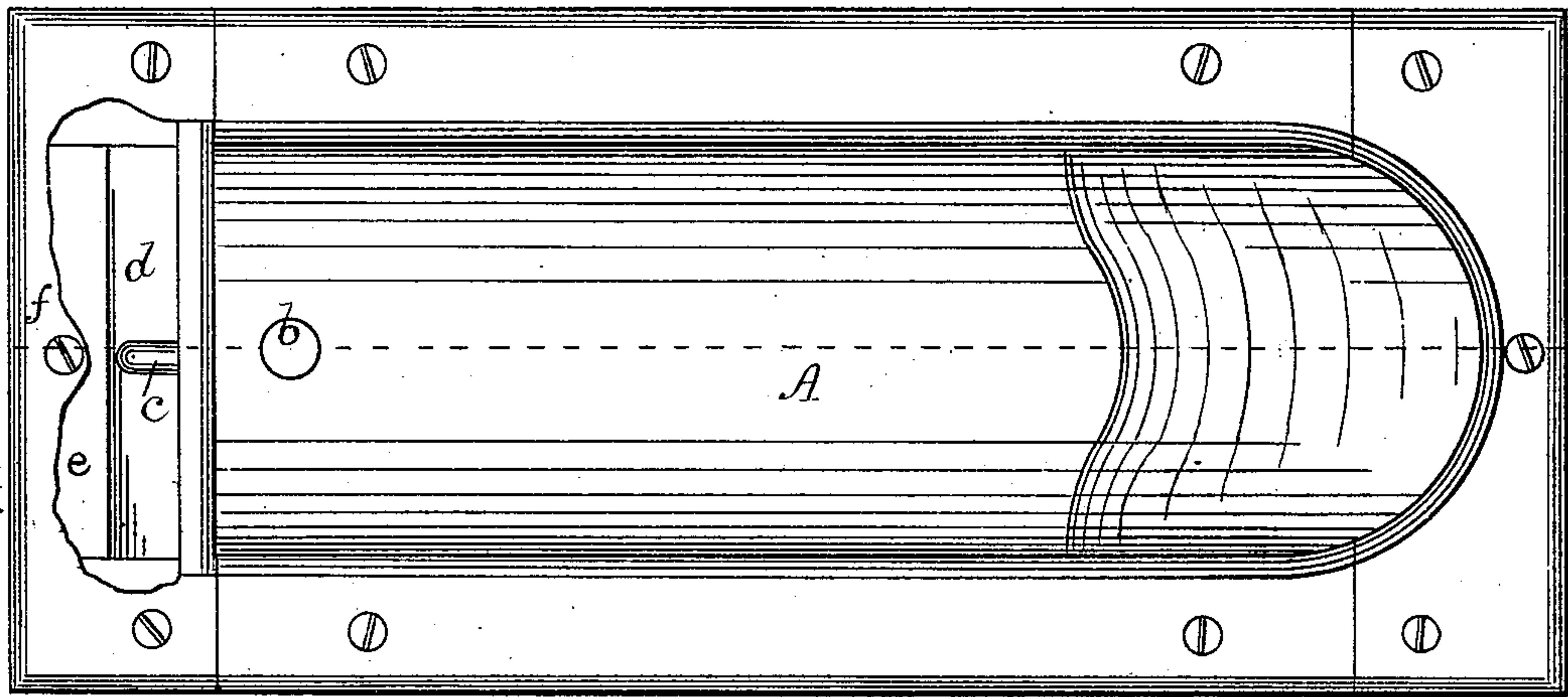


F. W. NINGARD.  
Bath-Tub.

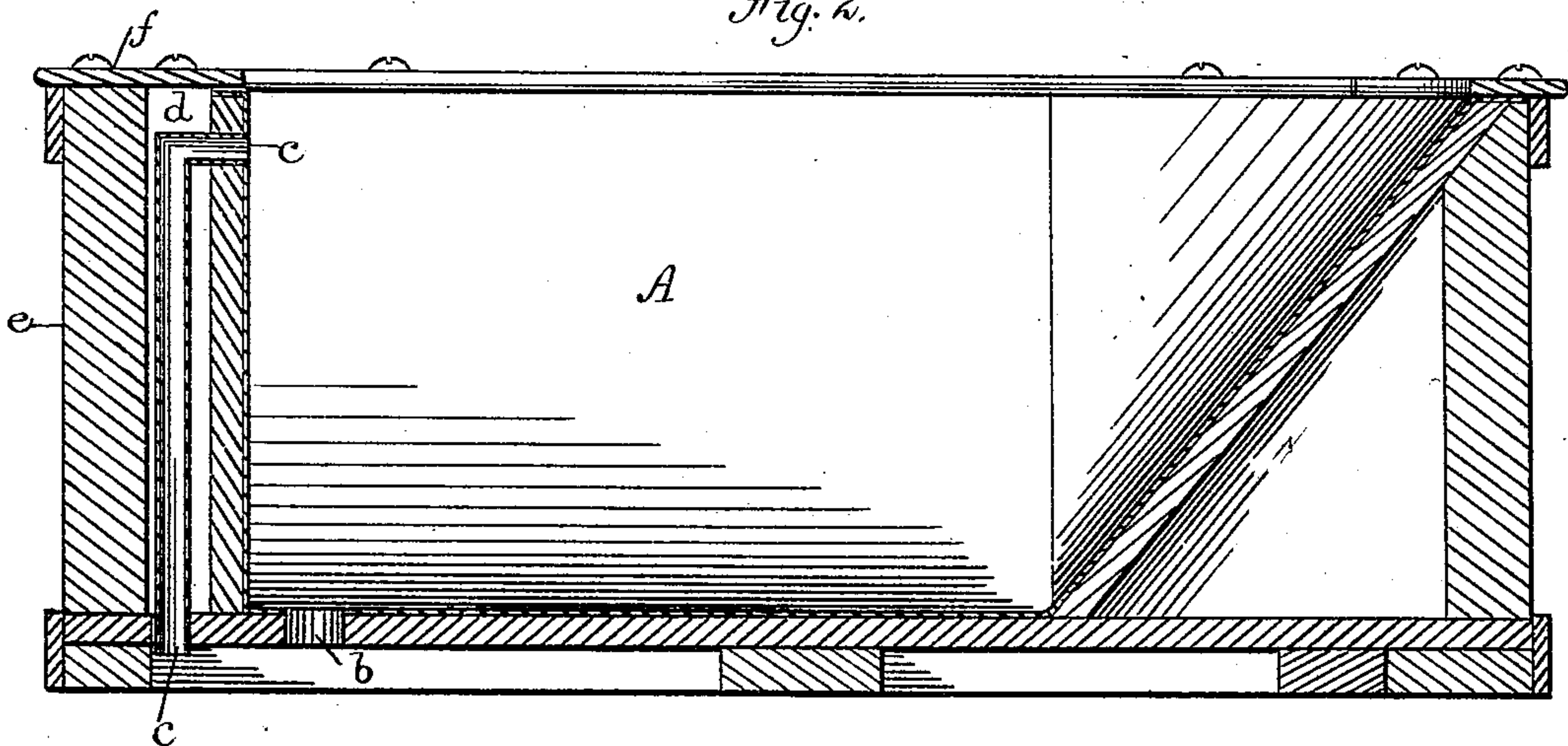
No. 217,635.

Patented July 15, 1879.

*Fig. 1.*



*Fig. 2.*



*Witnesses:*

*Chas E. Lewis*  
*A. C. Eader*

*Inventor:*

*Fred. W. Ningard*  
*By his Atty*  
*Chas B. Mann*

# UNITED STATES PATENT OFFICE.

FREDRICK W. NINGARD, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF HIS RIGHT TO CHARLES W. LUTZ, OF SAME PLACE.

## IMPROVEMENT IN BATH-TUBS.

Specification forming part of Letters Patent No. **217,635**, dated July 15, 1879; application filed May 5, 1879.

*To all whom it may concern:*

Be it known that I, FREDRICK W. NINGARD, of the city of Baltimore and State of Maryland, have invented a new and useful Improvement in Bath-Tubs, of which the following is a specification.

Heretofore manufacturers of sheet-copper bath-tubs which are inclosed in a surrounding wooden case have not been able to ship the tubs from the factory in an entirely finished condition, in readiness to be placed at once in position ready for use. As sent from the factory the tub has no overflow-pipe attached, because it is not considered safe to ship the tub with the pipe exposed. To attach the overflow-pipe requires the services of a plumber, and then the services of a carpenter are usually necessary to case up the end at which the overflow-pipe is attached. This necessity is often the occasion of great inconvenience, as it frequently happens the work of the plumber, in putting in the water-pipes for the bath-room, has been completed before the bath-tub arrives, and owing to the manner hitherto in vogue of finishing the bath-tubs in question, the services of two skilled mechanics are required merely to put the final touch to the job.

The object of this invention is to remedy the above-described difficulties by making provision in the manufacture of the tub so that the overflow-pipe may be attached at the factory, and the completed tub shipped ready to be set in position for use without the aid of skilled workmen.

My invention consists in the formation upon the foot end of a sheet-metal bath-tub inclosed in a wooden case of a chamber or space, which said chamber shall inclose the overflow-pipe that leads from the inside, as hereinafter described.

In the accompanying drawings, Figure 1 is a plan view of the tub, in which the covering over the foot end is broken away to show the chamber. Fig. 2 is a vertical longitudinal section.

The letter A represents the tub proper, made of any approved pattern, the lining ordinarily being of planished copper, formed of as many pieces as desired—say the two end pieces—and the sides and bottom being in one, two, or three pieces. The tub is provided in the bottom, as usual, with a waste-plug, *b*, and an overflow-pipe, *c*, leads through the end of the tub proper, and thence down the chamber or space *d*, terminating at the bottom of the tub in such close position to the waste that the two will discharge into the well-hole formed in the floor without employing any additional pipe-connection.

In the manufacture of the tub the chamber or space *d* is formed by the extension of the sides, and is covered on top by the board *f*, while the end is inclosed by the panel *e*.

By my improvement the tub leaves the factory provided with an overflow-pipe already secured in position, and the tub may be shipped to any distance without liability of damaging the pipe, and may be set up without having to undergo the inconvenience of first soldering in the overflow, all of which is effected without increasing the cost of the article over that now in common use.

I am aware that iron sinks and baths have been made in the end of which a water-tight chamber is formed, integral with the main body, and that within such chamber a combined valve-stem and overflow is placed, and therefore I do not claim any part of such device.

Having described my invention, I claim and desire to secure by United States Patent—

A sheet-metal bath-tub inclosed in a wooden case, having the overflow-pipe *c*, leading from the inner side through the end, and thence downward, and the chamber or space *d*, formed on the outer end and inclosing the overflow-pipe, as set forth.

FREDRICK W. NINGARD.

Witnesses:

CHAS. B. MANN,  
CHARLES W. LUTZ.