

(No Model.)

F. HABERMAN.
SHEET METAL VESSEL.

No. 299,779.

Patented June 3, 1884.

Fig. 1.

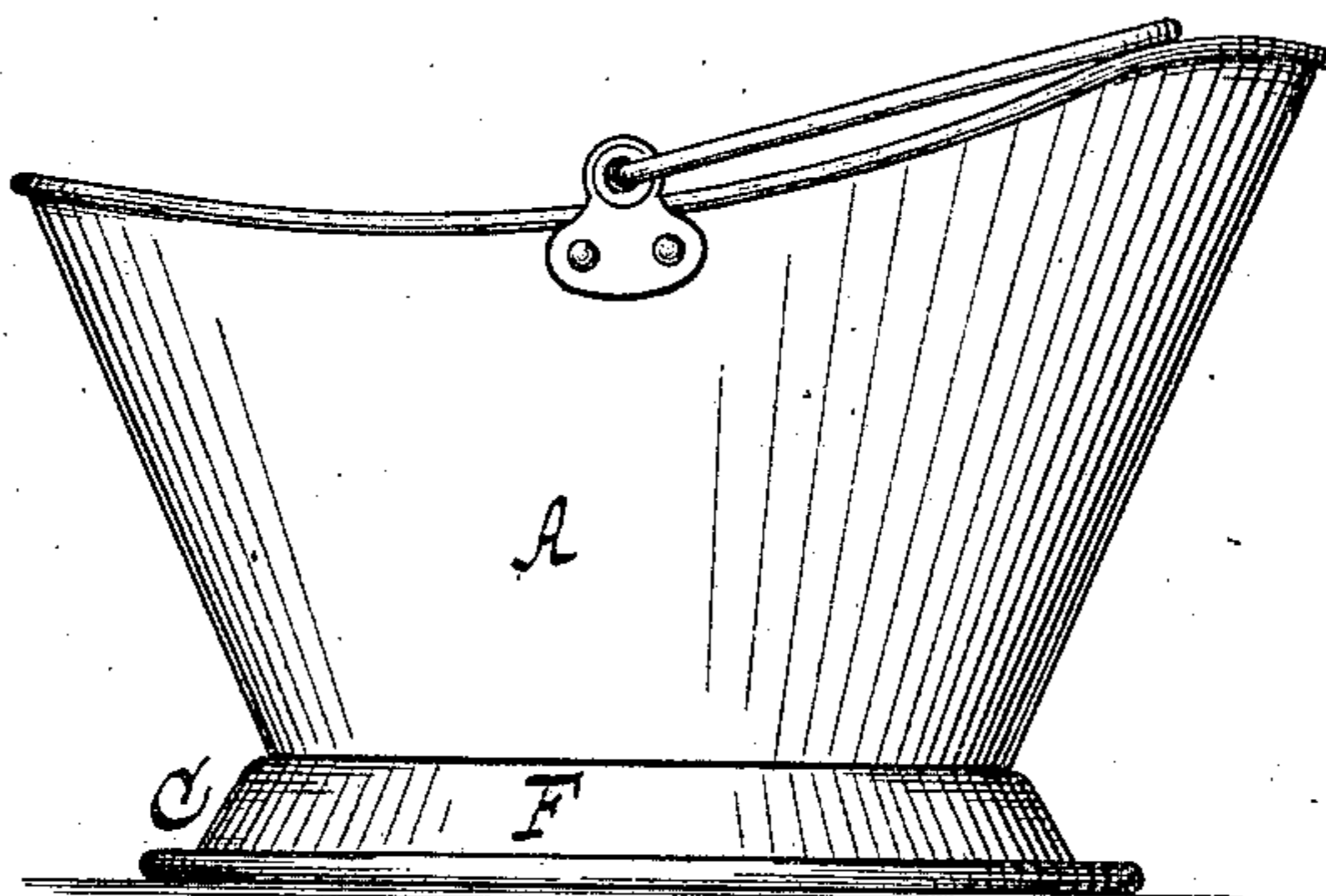


Fig. 2.

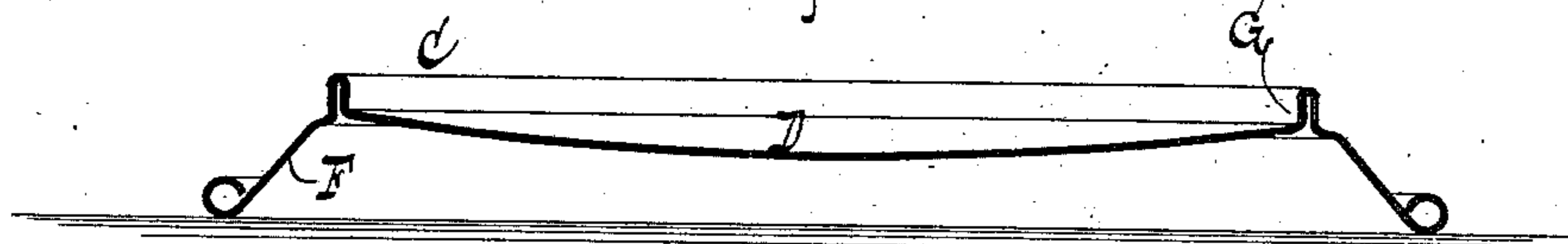
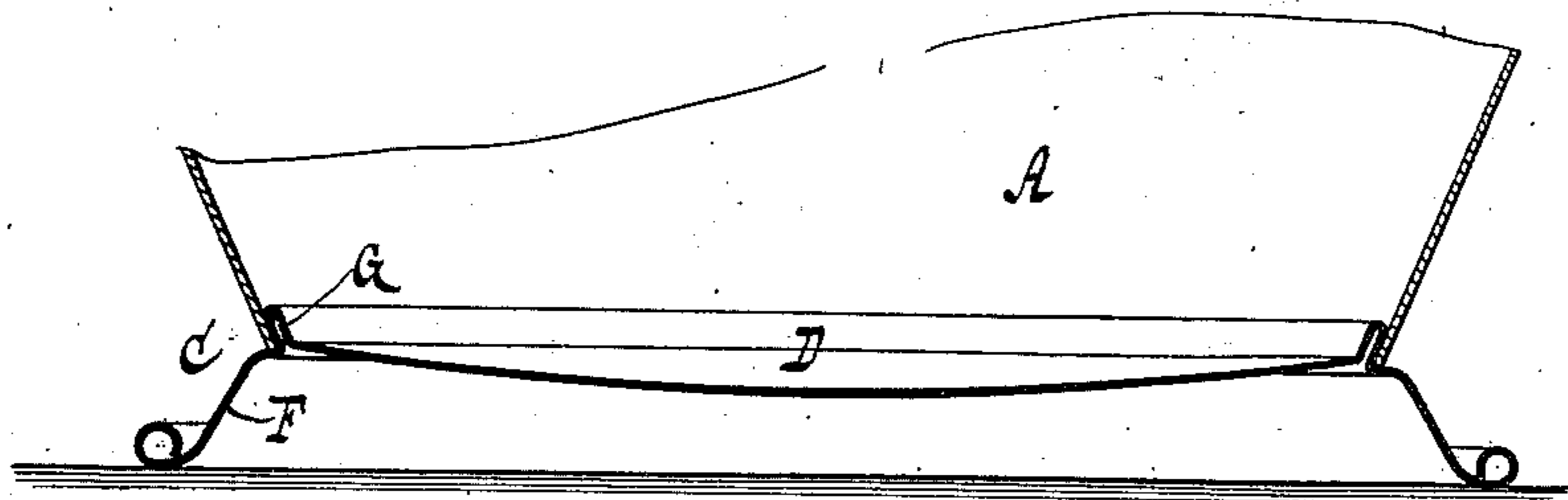


Fig. 3.



WITNESSES:

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FREDRICK HABERMAN, OF NEW YORK, N. Y.

SHEET-METAL VESSEL.

SPECIFICATION forming part of Letters Patent No. 299,779, dated June 3, 1884.

Application filed April 17, 1884. (No model.)

To all whom it may concern:

Be it known that I, FREDRICK HABERMAN, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Sheet-Metal Vessels, of which the following is a specification.

My invention relates to coal-hods, chamber-pails, water-basins, or other sheet-metal vessels, and especially that class thereof in which the bottom and foot are made in one piece.

The novel feature of my invention consists in the means for uniting the base to the body of the vessel, as hereinafter described, and illustrated in the accompanying drawings, in which—

Figure 1 is a side view of a coal-hod embodying my invention. Fig. 2 is a cross-section of the base detached. Fig. 3 is a similar section showing the base united to the body.

Similar letters indicate corresponding parts.

The letter A designates the body, and C the base, of the vessel, both made of sheet metal. The base C comprises the bottom D and foot F and a double flange, G, which is situated at the junction of the bottom and foot and projects in an upward direction, so that it may be connected to the body. The body A diverges in an upward direction, and the flange G of the base is lapped against the inner surface of the body in the plane thereof, for the purpose of connecting it to the body, and consequently no extraneous fastenings are required for this purpose. The connection of the flange to the body, however, can be effected in other ways—as, for example, by means of rivets, and in that case the body may be straight. The flange, moreover, may be located interior or exterior of the body of the vessel.

It will be seen that the flange G possesses superior strength, due to its being double, and consequently the flange may be riveted without weakening it to any material extent, while by its arrangement above the lower edge of the body it produces a water-tight joint between it and the base, which is very important, inasmuch as the access of water to such joint tends to destroy it.

What I claim as new, and desire to secure by Letters Patent, is—

1. A base for sheet-metal vessels, made in one piece with the bottom, the foot, and the double upwardly-projecting flange at the junction of the bottom and foot to connect with the body of the vessel, substantially as shown and described.

2. The combination, with the body of a sheet-metal vessel, of the base made in one piece with the bottom, the foot, and the double upwardly-projecting flange at the junction of the bottom and foot connected to the body, substantially as shown and described.

3. The combination, with the body of a sheet-metal vessel diverging upwardly, of the base made in one piece with the bottom, the foot, and the double upwardly-projecting flange at the junction of the bottom and foot lapping against the inner surface of the body in the plane thereof for its connection therewith, substantially as shown and described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

FREDRICK HABERMAN. [L. S.]

Witnesses:

W. HAUFF,
CHAS. WAHLERS.