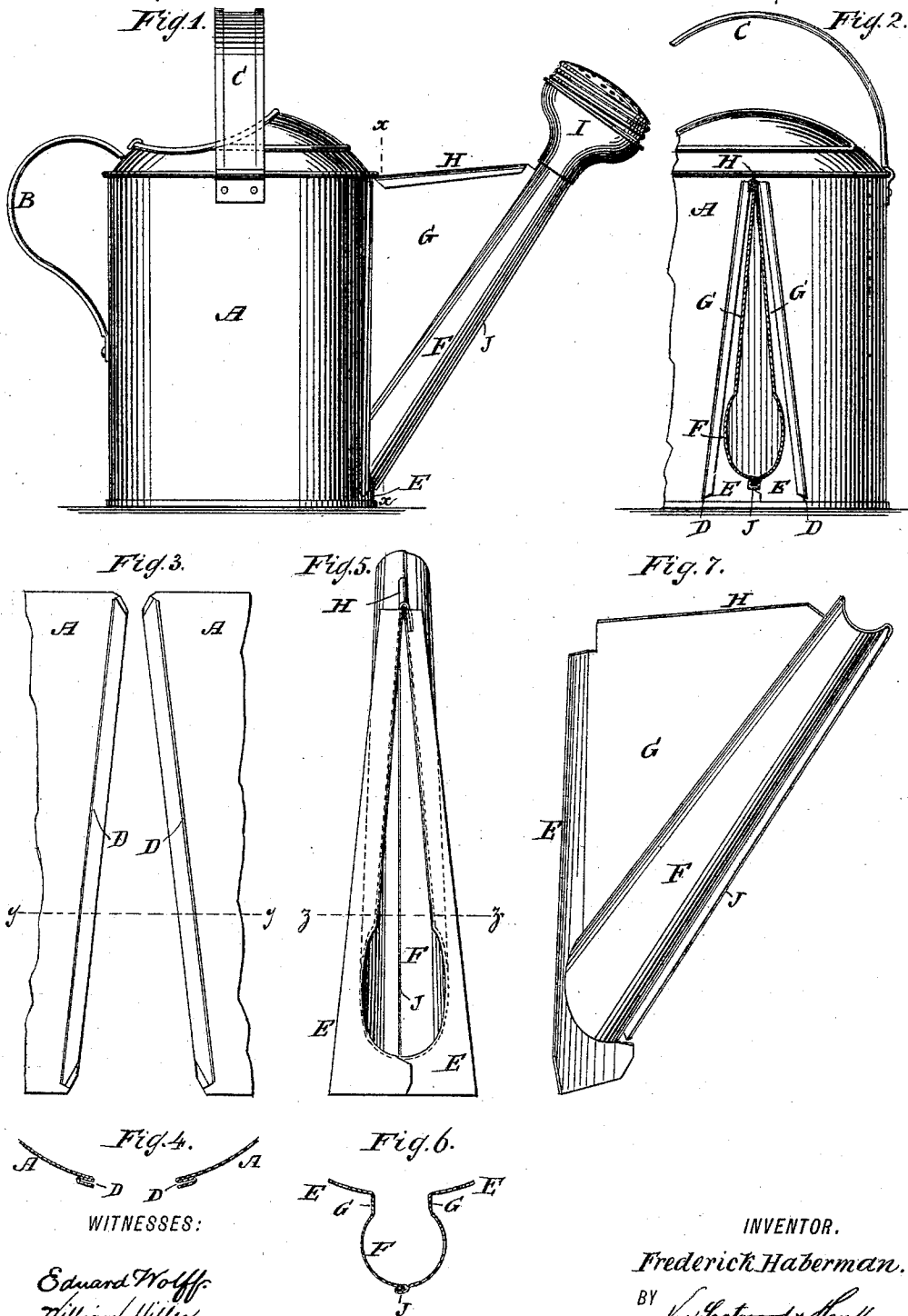


(No Model.)

F. HABERMAN.
SHEET METAL VESSEL.

No. 463,041.

Patented Nov. 10, 1891.



UNITED STATES PATENT OFFICE.

FREDERICK HABERMAN, OF NEW YORK, N. Y.

SHEET-METAL VESSEL.

SPECIFICATION forming part of Letters Patent No. 463,041, dated November 10, 1891.

Application filed April 12, 1888. Serial No. 270,452. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK 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.

This invention has for its object to provide a metallic vessel with a novel spout attachment which is durable, strong, and can be readily applied; and to such end the invention consists in the features of construction or combinations of parts hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a side elevation of a vessel. Fig. 2 is a section along the line $x x$, Fig. 1. Fig. 3 is a detail front view of a vessel without a spout. Fig. 4 is a section along the line $y y$, Fig. 3. Fig. 5 is a rear elevation of a spout. Fig. 6 is a section along the line $z z$, Fig. 5. Fig. 7 is a side elevation of a spout-section.

Similar letters indicate corresponding parts. The letter A indicates a body of a vessel having handles B C. To said vessel, and communicating with an opening thereof, is secured a spout F by means of grooves D, Fig. 4, and tongues E, Fig. 6. Said spout F is shown as having a brace G, made integral or of one piece with the spout. The spout F is composed of two spout-sections joined by the seam or closure J. The brace-sections G each one of which is made integral with a spout-section are joined together along the edge H. Said closure along the edge H is readily made by bringing the brace-sections along the edge H from the position shown in Fig. 7 to the position shown in Figs. 2 and 5.

When the walls of the grooves D are firmly pressed onto the tongues E and the closure or seams H J are firmly compressed, water-tight joints are secured, which can be made further secure against leakage by plating, galvanizing, or painting the article.

In the drawings is shown a sprinkler I, secured to the spout, so that the article will be serviceable as a watering-pot; but the spout F can be attached to other articles, as, for example, to tea-pots, coffee-cans, and the like.

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

1. The combination, with the body A, of a spout F made in two sections, each section being provided with a brace-section joined to the body by means of a tongue-and-groove connection, substantially as described.

2. The combination, with the body A, of a spout F made in two sections, each spout-section being provided with a brace section made integral with said spout-section, and said brace-sections being joined to the body by means of a tongue-and-groove connection, substantially as described.

3. The combination, with the body A, of a spout F, made in two sections, each spout-section being provided with a brace-section joined to the body by means of a tongue-and-groove connection, and said brace-sections being connected to one another, substantially as described.

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

F. HABERMAN. [L. S.]

Witnesses:

W. C. HAUFF,

E. F. KASTENHUBER.