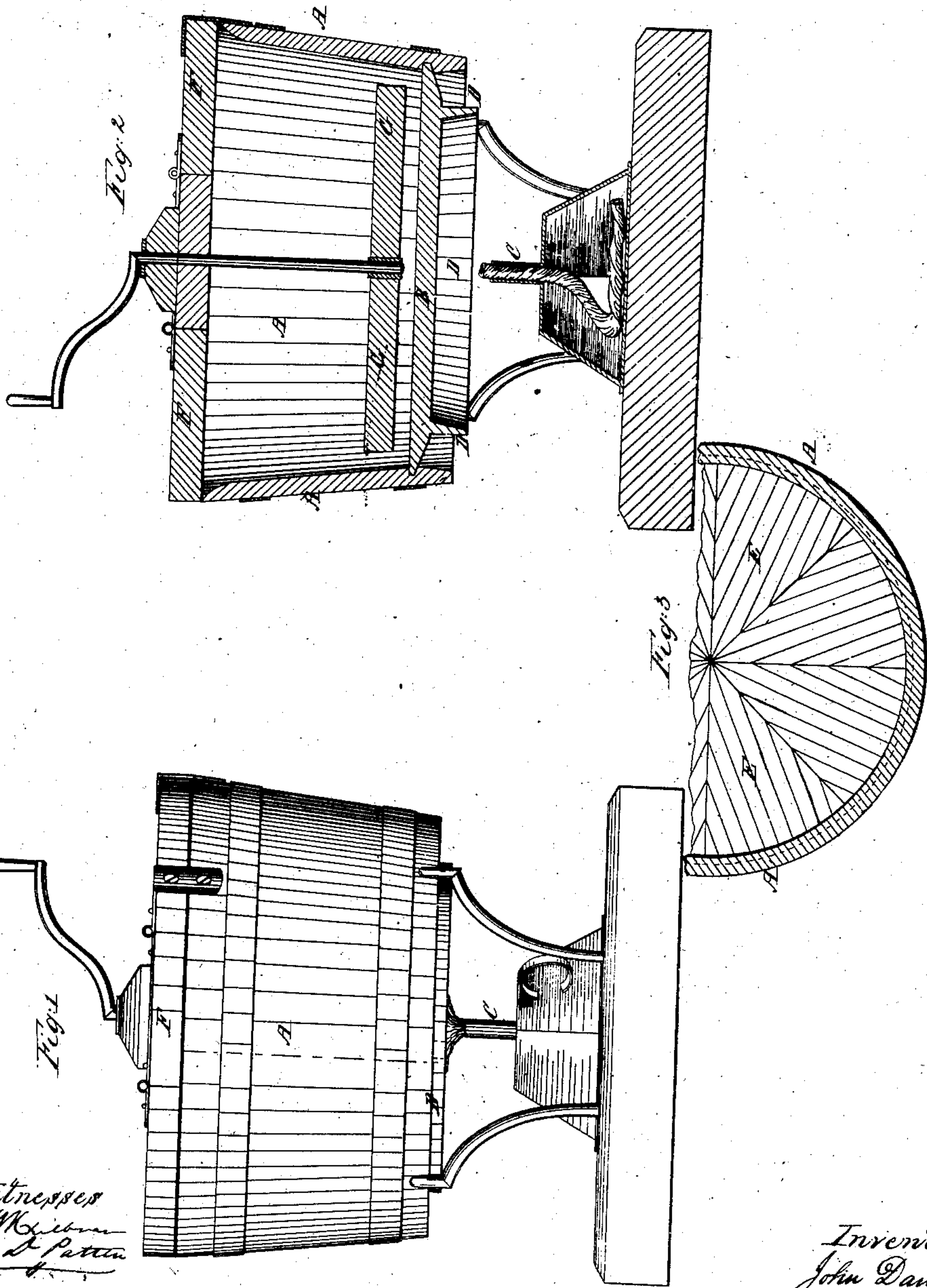


J. Danner,

Washing Machine,

N^o 46,085.

Patented Jan. 31, 1865.



Witnesses
M. K. ...
Jos. D. Patton

Inventor
John Danner
By atty A. B. Houghton

UNITED STATES PATENT OFFICE.

JOHN DANNER, OF CANTON, OHIO.

IMPROVED TUB FOR WASHING AND OTHER PURPOSES.

Specification forming part of Letters Patent No. 46,085, dated January 31, 1865.

To all whom it may concern:

Be it known that I, JOHN DANNER, of Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in the Construction of Tubs for Washing and other Purposes; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 represents a tub or vessel of my construction, upon a stand, with a lamp for heating its contents, as, for instance, clothes that are to be boiled or washed. Fig. 2 represents a vertical section through the same. Fig. 3 represents a top plan of the bottom of the tub, both represented as broken away.

The object of my invention is to construct a portable tub for washing purposes that will possess also within itself an arrangement for heating the wash-water, or for keeping it hot.

To this end I make the cylindrical portion of the tub A of staves in the ordinary way of making tubs, casks, or other wooden vessels; but instead of a wooden bottom I make a cast-iron or other metal bottom, B, which may be united to the cylindrical portion, as common wood bottoms are, or in any other water-tight manner. Under this metal-bottomed tub or vessel I propose to use a fire for heating the water therein or other contents,

and for this fire to use a coal-oil lamp, C, as being most convenient and cheap. To protect the wooden portion A of the tub or vessel from the flame of the lamp or fire, I cast or construct a flange, D, upon the under side of the bottom, which shall act as a shield to keep the blaze or fire from the wood. The upper or inside surface of the metal bottom may be grooved, corrugated, or ridged, as shown at E, Fig. 3; or it may be plain and be used with or without the rubber G. A vessel thus constructed, though designed for a wash-tub, may be useful and valuable for many other household or domestic purposes, as it may be covered as at F, and its contents heated to any ordinary degree of heat; or it may be used as a common wash-tub. If the bottom be of cast-iron and zincked or galvanized, it would not corrode, and be quite durable.

Having thus fully described the construction and operation of my invention, what I claim therein as new, and desire to secure by Letters Patent, is—

In combination with a washing-tub composed of staves of wood a metallic bottom constructed and united thereto in the manner substantially and for the purpose described.

JOHN DANNER.

Witnesses:

A. B. STOUGHTON,
HAVER. FENDRICH.