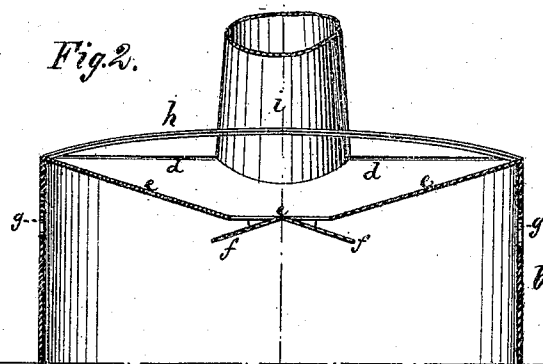
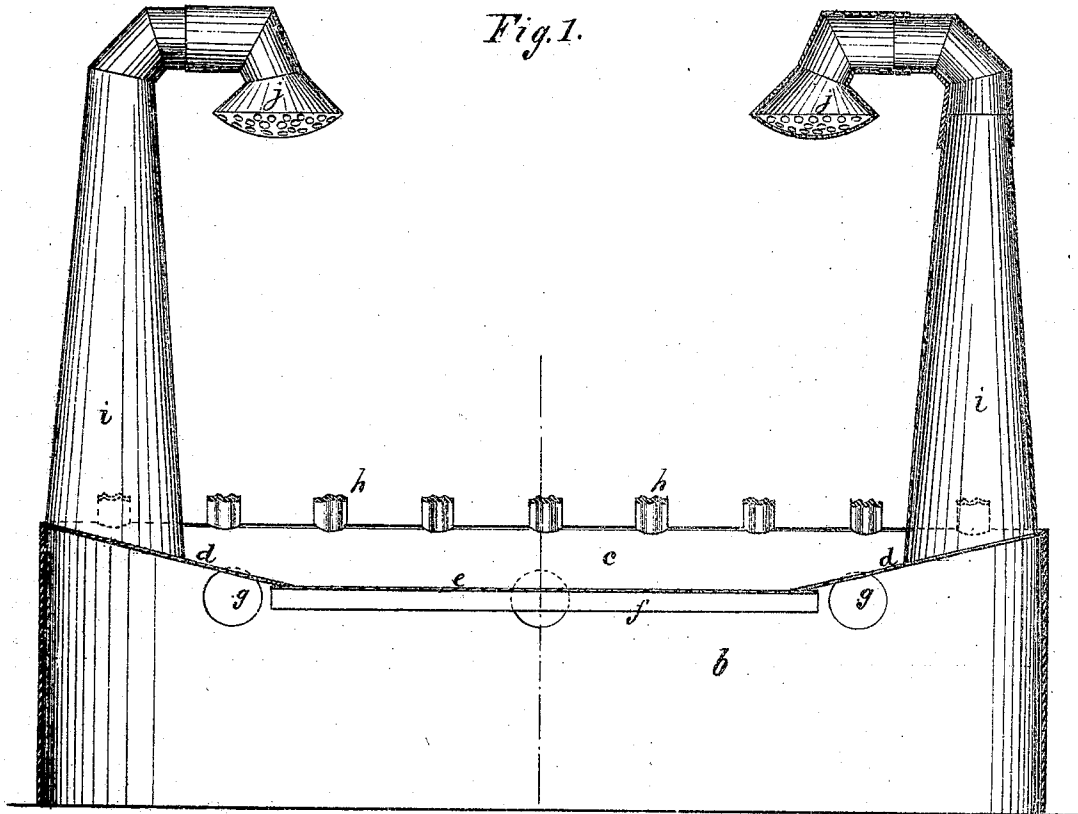


D. P. SULOUFF.

Improvement in Clothes Washers.

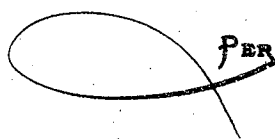
No. 121,217.

Patented Nov. 21, 1871.



Witnesses:
J. M. Mayhew
C. A. Pettus

Inventor:
D. P. Sulouff.

PER  Attorneys.

UNITED STATES PATENT OFFICE.

DAVID P. SULOUFF, OF MILTON, PENNSYLVANIA.

IMPROVEMENT IN CLOTHES-WASHERS.

Specification forming part of Letters Patent No. 121,217, dated November 21, 1871.

To all whom it may concern:

Be it known that I, DAVID P. SULOUFF, of Milton, in the county of Northumberland and State of Pennsylvania, have invented a new and Improved Clothes-Washer; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a longitudinal vertical section, and Fig. 2 is a transverse vertical section.

This invention relates to a washer intended to go inside a wash-boiler and to support the clothes to be washed, holding them above the water, and being provided with pipes, one at each end, having rose-heads, through which water is forced by steam-pressure, falling from the rose-heads in jets on all parts of the clothes.

Referring to the drawing, the top of the washer consists of a diaphragm, fitting accurately the inside of the boiler and held above the water-line in the same by means of a flange, *b*, projecting downward from the edge of the diaphragm and resting on the bottom of the boiler. The sides *c* and ends *d* of the diaphragm slope inward and downward, forming a concavity, at the bottom of which is a slot, *e*. Attached to the under side of the diaphragm, beneath the slot *e*, are shelves *f*, sloping to each side downward from a

central ridge. In the flange *b* may be holes *g* to let the dead-water pass through. Corrugated slats *h* pass from side to side of the diaphragm for the clothes to rest on, preventing them from packing around the slot *e* and from scorching in case the boiler gets dry.

When the clothes are laid on the slats *h*, the washer filled with water as far as the shelves *f*, the cover put on the boiler, and heat applied thereto, the steam generated soon forces the water in two currents up through the pipes *i*, which spring from the ends of the diaphragm. The shelves *f* act as a trap to prevent the water from being forced up through the slot *e*. The water falls in jets through the rose-heads *j* on all parts of the clothes, and soaks through the clothes and runs down the sides *c* and ends *d*, and through the slot *e* back to the water-space, thus cleansing the clothes.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The concave diaphragm *c d*, having the flange *b* and slot *e*, and combined with the shelves *f*, slats *h*, pipes *i*, and rose-heads *j*, as specified.

D. P. SULOUFF.

Witnesses:

CHAS. A. PETTIT,
THOS. D. D. OURAND.

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