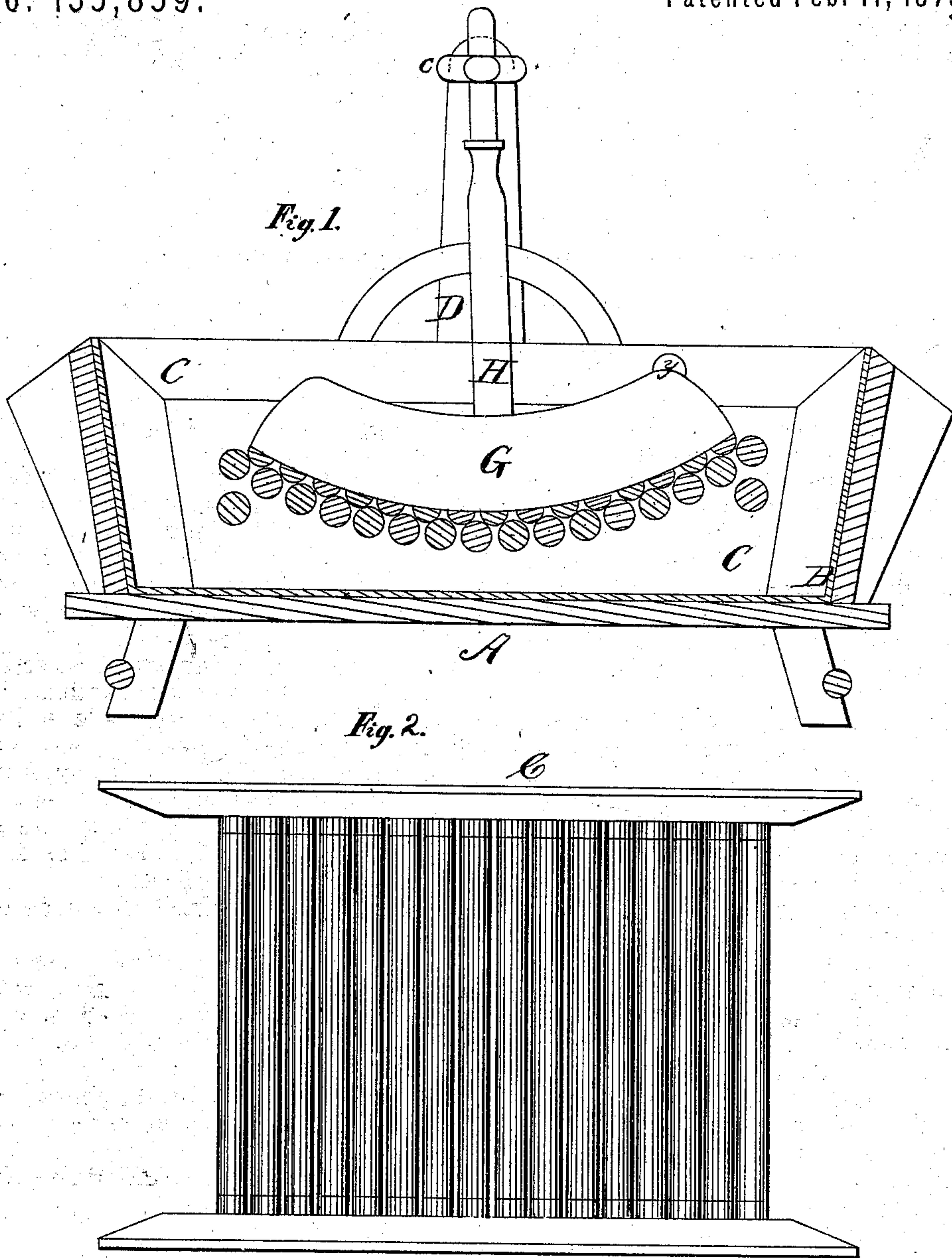


J. STRAHL.

Washing Machines.

No. 135,859.

Patented Feb. 11, 1873.



Witnesses.  
Chas. B. Steele.  
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attys

# UNITED STATES PATENT OFFICE.

JOHN STRAHL, OF LEE, OHIO.

## IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **135,859**, dated February 11, 1873.

*To all whom it may concern:*

Be it known that I, JOHN STRAHL, of Lee, in the county of Athens and State of Ohio, have invented a new and valuable Improvement in Washing-Machine; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a sectional view of my washing-machine. Fig. 2 is a top view of my frame.

My invention relates to washing-machines; and consists in the novel construction of the parts hereinafter described, whereby they are rendered removable, thereby providing ready means for cleansing said parts, and also permitting utilization of several portions of the machine for purposes other than washing.

A of the drawing represents a wooden box, constructed in the usual form of boxes, for washing-machines; and the letter B represents a zinc box, of the same shape as box A, adapted to sit inside thereof, as shown, and to be removed therefrom at will. C represents a frame constructed with a series of washing-rollers, as shown. When in position its sides fit closely within and against the walls of the zinc box B, and it may be removed whenever desired. Upon each side of the wooden box I affix a standard, D, and arrange in the same

near its upper ends a rocking shaft, *c*, which extends from one standard to the other, and rocks therein, as hereinafter mentioned. G represents a rubbing-frame, having arms H that extend upward through openings in the rock-shaft *c*, and which are removable therefrom at will. The letter *y* represents a cross-bar attached to the frame G, and serves as a handle for operating the same.

It is apparent that important objects are attained by my method of construction. First, all parts of the machine are made easily accessible for purposes of cleaning; second, the rubbing-frame and the frame C may both be used as ordinary washing-boards; third the zinc box B may be used for cooking or evaporating purposes, and the wooden box A utilized for storage-water tank, &c.

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

In the washing-machine herein described, the combination of the boxes A and B, frames C and G, and rock-shaft *c*, constructed and made removable one from the other at will, as specified and shown.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN STRAHL.

Witnesses:

WM. C. LINDLEY,  
A. PALMER.