(No Model.)

C. C. MAXWELL.

WASHING MACHINE.

No. 335,945. Patented Feb. 9, 1886.

Fig. 1

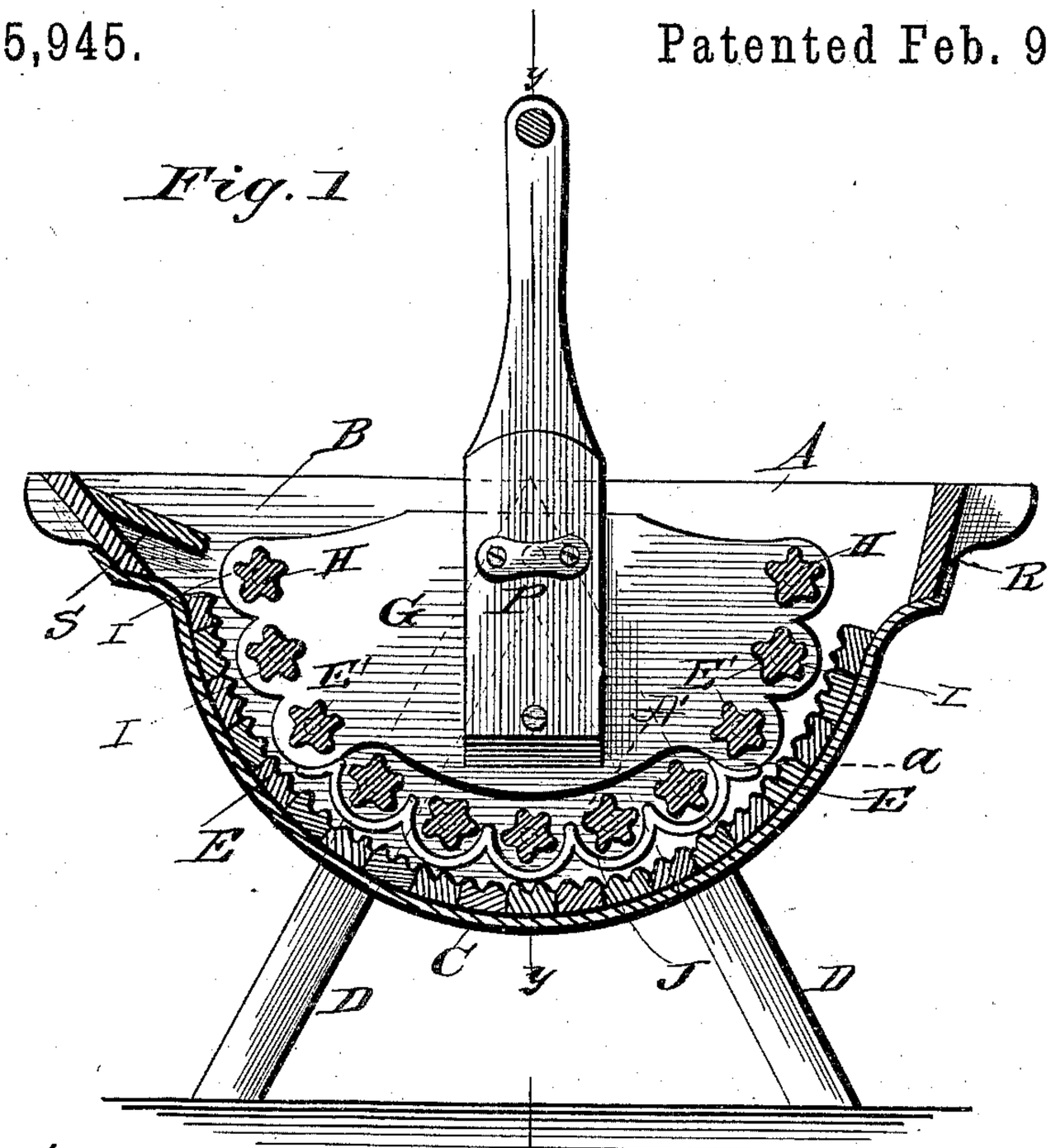

Fig. 3

Fig. 4.

Fig. 2.

WITNESSES

Phil. C. Masi.

John T. Morrow.

INVENTOR

C. C. Maxwell,

by Audwin & Smith

his Attorneys

UNITED STATES PATENT OFFICE.

CHARLES C. MAXWELL, OF WATERTOWN, DAKOTA TERRITORY.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 335,945, dated February 9, 1886.

Application filed April 27, 1885. Serial No. 163,615. (No model.)

To all whom it may concern:

Be it known that I, CHARLES C. MAXWELL, a citizen of the United States, residing at Watertown, in the county of Coddington and Territory of Dakota, have invented certain new and useful Improvements in Washing-Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a vertical section on line *x x*, Fig. 2. Fig. 2 is a transverse section on line *y y*, Fig. 1. Fig. 3 is a detail view. Fig. 4 is a detail view.

This invention has relation to improvements in washing-machines; and it consists in the construction, novel arrangement, and adaptation of devices, as will be hereinafter more fully set forth and claimed.

In carrying out this invention I provide a tub or suds-box, A, which may be of any ordinary or approved construction, having vertical side walls, B B, and a sheet-metal bottom, C, as shown. This sheet-metal bottom is semicircular in longitudinal section, and is covered on its inner side with transversely-arranged corrugated strips E, forming a fixed rubbing-surface.

The rocking rubber consists of two similar vertical side walls, G, which are scalloped on their opposite perpendicular edges, as shown at I, and the lower edges are cut away curvilinearly, as at A′.

J indicates castings, which are provided on their inner sides at their lower edges with broad horizontal scalloped flanges B′ and perforations H above the said flanges. These castings are secured to the outer walls of the sides G in such a manner as to have the scalloped flanges lie beneath the curvilinear edges of the said sides, so as to form an opening for the reception of the ends of the corrugated cross-bars E′, thus allowing the said bars to be secured alternately to the vertical portions of the castings by means of screws or the like. The end scallops of the flanges B′ engage the rounded ends *a* of the edges of the sides G, and the connection of the corrugated cross-bars above the said castings are made directly with the inner sides of the walls G in the scalloped portions thereof by means of screws. In operation, when the under sides of these corrugated cross-bars become worn it is only necessary to loosen their securing-screws, and, after turning the said bars to present a new rubbing-surface, turn the screws up again, thereby prolonging the usefulness of the rubber.

P indicates the journals of the rocking rubber, which are designed to work in vertical guideways, as commonly employed on the inner sides of such tubs at opposite points. These journals have formed on their inner ends an integral strip, *b*, which is provided with perforations to receive securing-screws, and the journals pass through the handle-arms of the rubber and also through the sides G thereof.

The tub or suds-box is supported on legs D, and is provided with a splash-board, S, and a vertical cross-board, R.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The rocking rubber consisting of the vertical walls provided with the scalloped edges, and with castings J, having perforations H, and the corrugated cross-bars connecting the said sides and secured by screws, as set forth, whereby the said corrugated bars may be turned to present new rubbing-surfaces, substantially as specified.

2. The combination, with the tub, of the rocking rubber consisting of the sides having scalloped opposite edges and a curvilinear lower edge, the castings secured to the said sides of the rubber and provided with inner scalloped flanges and with perforations H, and the corrugated bars secured to said sides, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES C. MAXWELL.

Witnesses:

C. B. WILLIAMSON,

D. H. RAYMOND.