

J. W. Parker,

Washing Machine,

Patented Dec. 13, 1864.

N^o 45,431.

Fig. 1.

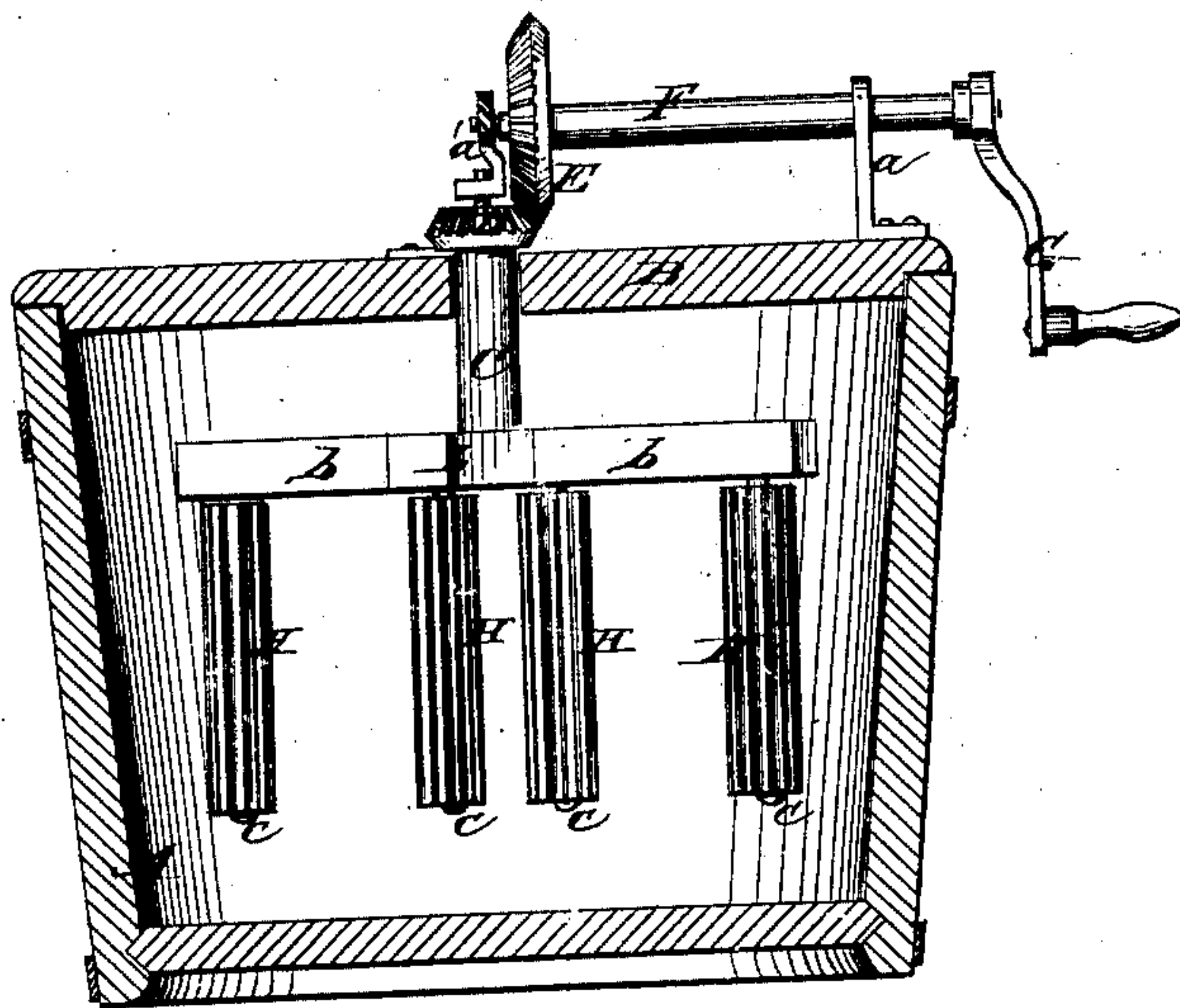
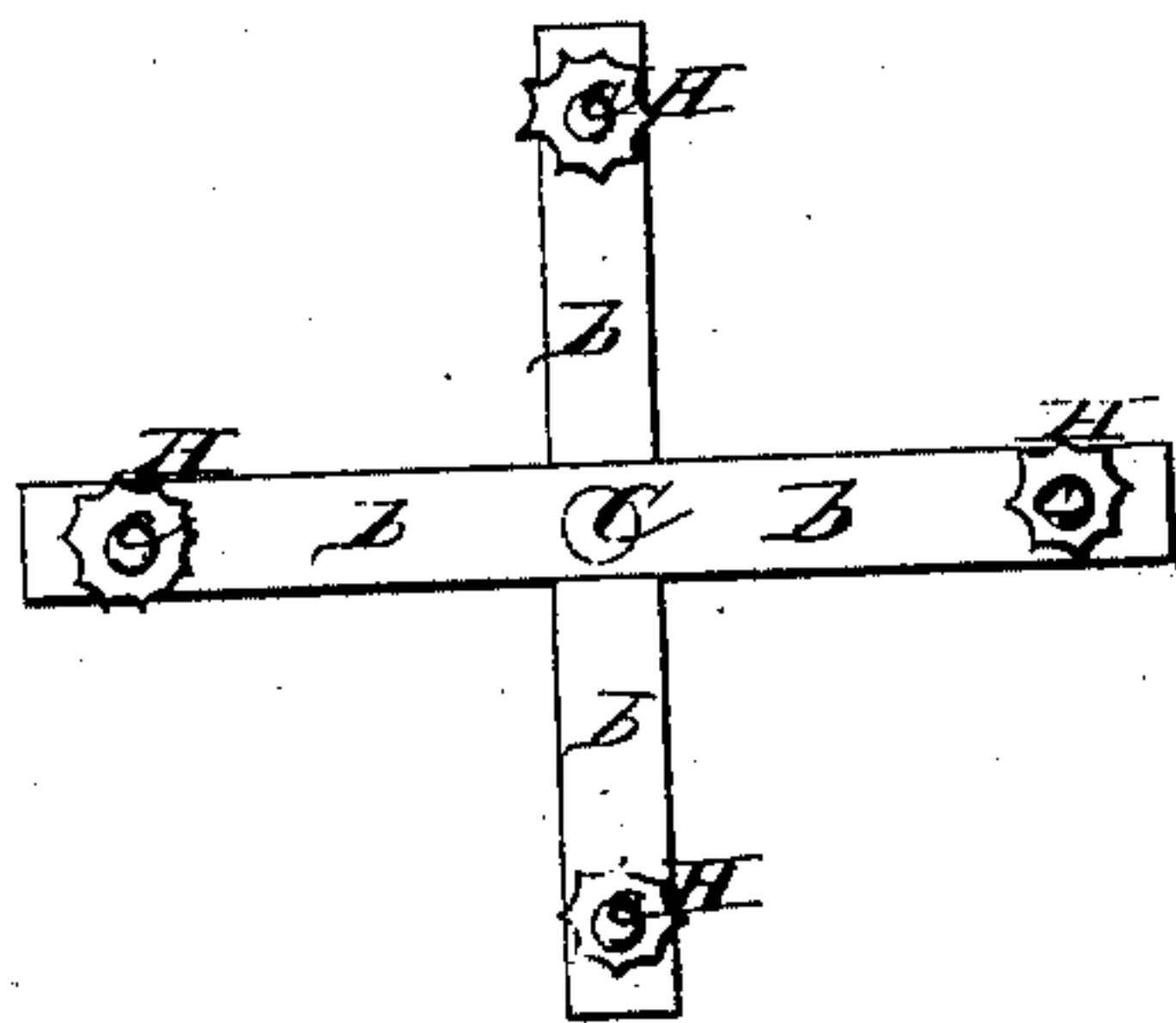


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

J. W. PARKER, OF ST. CHARLES, ILLINOIS.

IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. 45,431, dated December 11, 1864.

To all whom it may concern:

Be it known that I, J. W. PARKER, of St. Charles, in the county of Kane and State of Illinois, have invented a new and Improved Clothes-Washing Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical central section of the suds-box of my improved clothes-washing machine, the working parts being in section; Fig. 2, a detached inverted plan of the principal working parts of the machine.

Similar letters of reference indicate corresponding parts.

This invention consists in the employment or use of arms attached radially to the lower end of a rotary shaft, which passes vertically through the lid of the suds box or tub, said arms having vertical fluted rollers at their ends, and all arranged in such a manner as to insure the thorough washing and cleansing of the clothes without injuring the same, and with but a moderate expenditure of power or labor.

A represents a wash-tub or suds-box, which may be constructed similar to an ordinary wash-tub, and provided with a closely-fitting lid or cover, B. C is a shaft, which passes vertically and centrally through the lid or cover B, and has a bevel-wheel, D, on its upper end above the lid or cover B, as shown clearly in Fig. 1. Into this bevel-wheel D a

bevel-wheel, E, gears, the latter being on one end of a horizontal shaft, F, one bearing, *a*, of which is attached to the lid or cover B, and the other, *a'*, fitted on a journal at the top of shaft C. This shaft F is provided with a crank, G, at its outer end. To the lower end of the shaft C there are attached four radial arms, *b*, each of which has a pendent rod or shaft, *c*, attached to it, and on each of these rods or shafts *c* a fluted roller, H, is placed loosely and allowed to turn freely. The arms *b* are some distance below the lid or cover B of the tub A, and the rollers H extend down a considerable distance within the tub A. The tub is supplied with a requisite quantity of suds, and the clothes are subjected to a proper degree of friction and rubbing by turning the shaft F, the rollers H acting efficiently upon the clothes, and performing their work without injuring the same. The shaft C is turned first in one direction and then in the other, a complete revolution only being made when it is necessary to change the position of the clothes in the tub.

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

The radial arms *b*, attached to the vertical shaft C, and provided with the vertical fluted rollers H, all arranged with the suds-box or tub A, substantially as and for the purpose herein set forth.

J. W. PARKER.

Witnesses:

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