

P. RUNDQUIST.

Improvement in Steam-Mangles.

No. 114,863.

Fig. 1

Patented May 16, 1871.

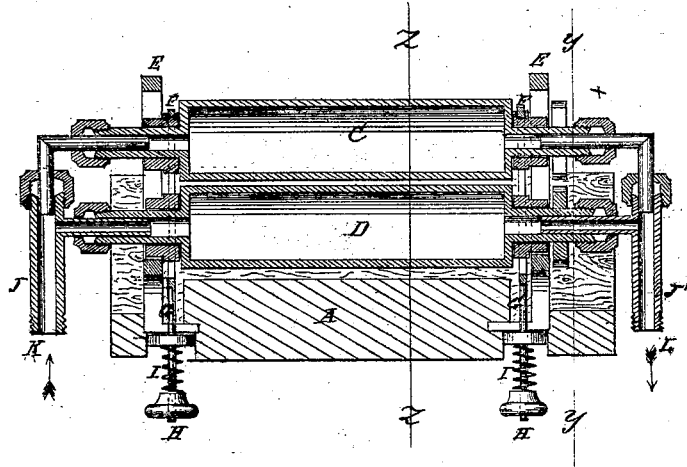


Fig. 2

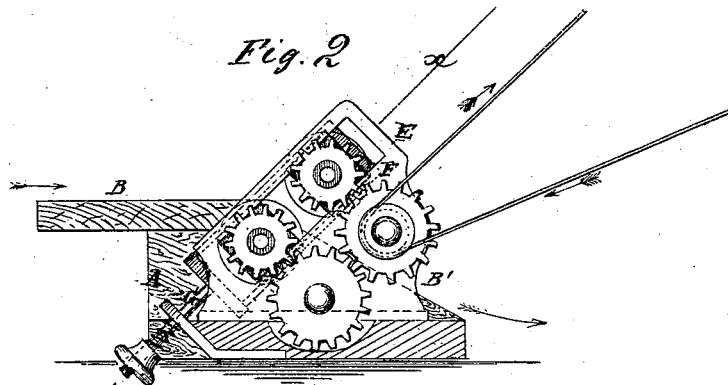
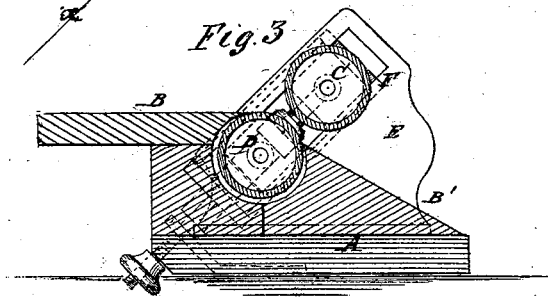


Fig. 3



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PETER RUNDQUIST, OF NEW YORK, N. Y.

IMPROVEMENT IN STEAM-MANGLES.

Specification forming part of Letters Patent No. **114,863**, dated May 16, 1871.

To all whom it may concern:

Be it known that I, PETER RUNDQUIST, of the city, county, and State of New York, have invented a new and useful Improvement in Steam-Mangle; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

My invention relates to mangles; and consists in certain improvements, which will be first described, and then clearly pointed out in the claim.

In the accompanying drawing, Figure 1 represents a section of Fig. 2 on the line *x x*. Fig. 2 is a vertical section taken on the line *y y* of Fig. 1. Fig. 3 is a vertical section of Fig. 1, taken on the line *z z*.

Similar letters of reference indicate corresponding parts.

A is the frame or bed. B is the feeding-table; B', the delivery-apron. C is the upper hollow roller, and D is the lower hollow roller. E E are the slotted head-pieces, which are rigidly attached to the ends of the bed, and support the boxes in which the journals of the rollers run.

The upper roll, C, is drawn down onto the lower roll by means of stirrups F, (one at each end,) to the lower ends of which stirrups the rods G G are attached. H H are knobs on the ends of the rods. I I are springs on the rods, by means of which the required pressure is brought to bear upon the lower roll or on the clothes. The journals of these rollers are

tubular, and are connected with the steam-pipes J J' by packed connections, as plainly seen in Fig. 1. The steam-pipe is connected with a boiler or generator, and the steam enters at the point K, as indicated by the arrow. Both rollers being connected with this pipe, they will be immediately filled with steam, which will heat the rollers to any desired temperature, according to the pressure in the generator. The steam will be discharged through the pipe J' at the point L.

The ends of the steam-pipes being polished, the journals of the rollers, with the stuffing-boxes, will revolve thereon steam-tight.

This mangle is designed for large laundries or hotels, hospitals, asylums, &c., where there are always steam and steam-power.

Clothes may be dried by passing them through the rollers directly from the wringer, so that the operation of drying and mangling or "doing up" the clothes is speedily performed.

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

The hollow rolls C D, stirrups F F, rods H H, springs I I, and pipes J J', all combined and arranged on frame A, as and for the purpose specified.

The above specification of my invention signed by me this 25th day of February, 1871.

PETER RUNDQUIST.

Witnesses:

GEO. W. MABEE,
T. B. MOSHER.