

(91.) E. KING.
No. 122,527.

Improvement in Clothes Wringers.
Patented Jan. 9, 1872.

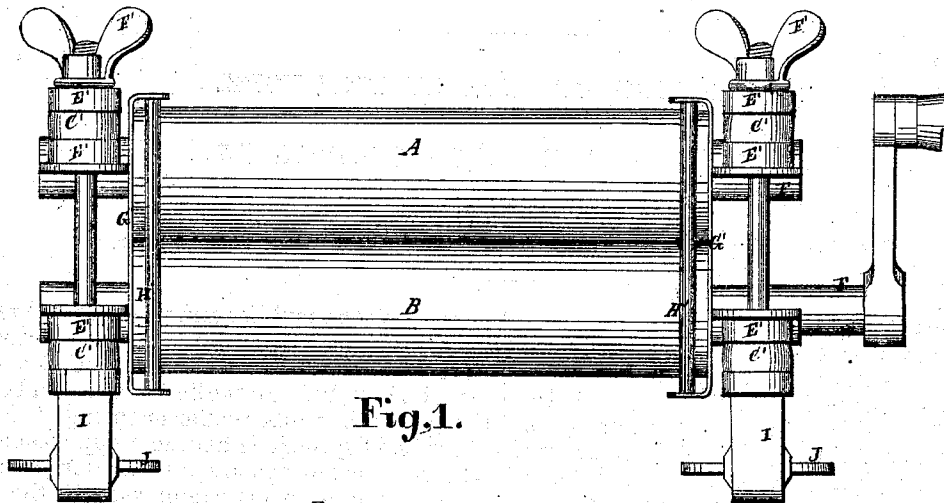


Fig. 1.

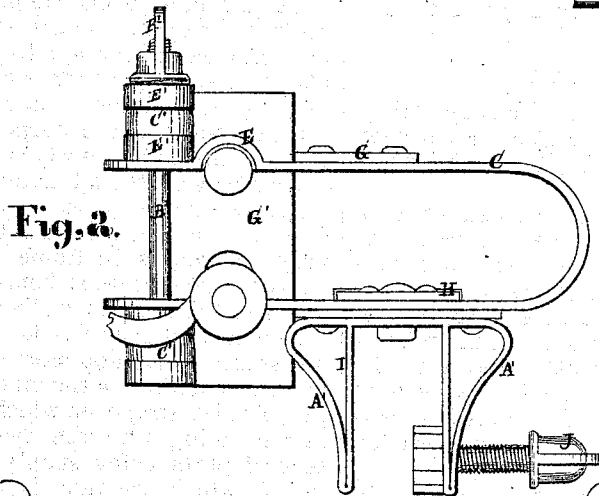


Fig. 2.

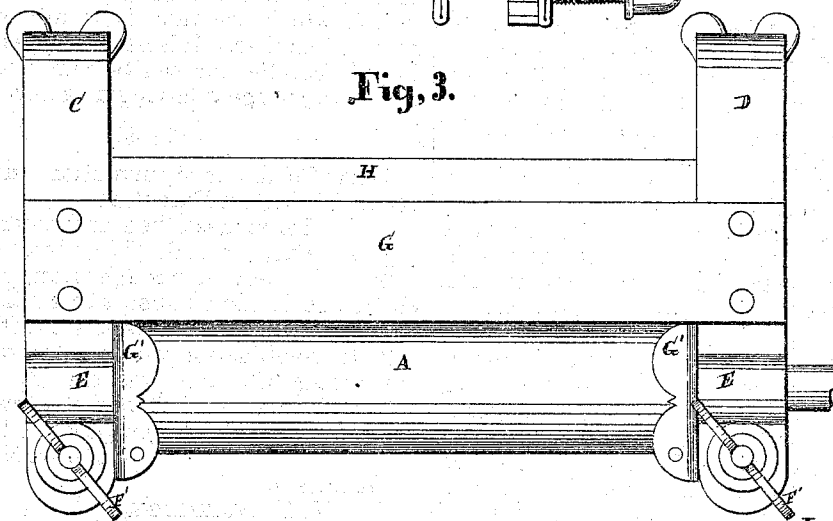


Fig. 3.

Witnesses.

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UNITED STATES PATENT OFFICE.

EDWIN KING, OF DUNKIRK, NEW YORK.

IMPROVEMENT IN CLOTHES-WRINGERS.

Specification forming part of Letters Patent No. 122,527, dated January 9, 1872.

To all whom it may concern:

Be it known that I, EDWIN KING, of Dunkirk, in the county of Chautauqua and State of New York, have invented a new and Improved Clothes-Wringer; and I do hereby declare that the following is a full, clear, and complete description thereof, reference being had to the accompanying drawing making part of the same.

SPECIFICATION.

Figure 1 is a front view of the clothes-wringer. Fig. 2 is a side view. Fig. 3 is a top view.

Like letters of reference refer to like parts in the several views.

The nature of this invention relates to a clothes-wringer, and the object thereof is to construct the frame of the wringer of wrought-iron instead of cast-iron, thereby obtaining greater strength and lightness of the frame, and which is also less expensive than the ordinary cast-iron frame. It also relates to the peculiar shape of the frame and the mode of its construction, whereby is obtained a neatness in appearance and facility of manufacture.

The machine is constructed as follows: A B, Fig. 1, are the rubber-rollers which are or may be constructed in the ordinary way. C D are the ends of the frame, each of which consists of a single piece of thin strap-iron bent to the shape shown in the end view, Fig. 2. Near each end is formed a journal-seat, E, for the shafts F of the rollers, and in which they have their bearings, as shown. The above-described ends are secured to each other by two plates or ties, G H, which are riveted thereto in the relation to each other and to the rollers, as shown in Fig. 3, in which it will be seen that the upper plate G is nearer the rollers than is the lower plate. I, Fig. 1, are clamps secured to the under side of the ends C D, as shown in Fig. 2, and whereby the wringer is attached to the side of the tub by means of the set-screws J. Each of said clamps consists of a single piece of iron bent into the shape shown, of which the upright parts I are the ends, and the bows A' the

parts near the middle, and which form braces for the upright pieces or ends I. Through each of the extremities of the end C D is projected a bolt, B'. On the bolt above and below the ends is the rubber collar or spring C'. Each end of said springs is held in a cup-washer E' whereby the springs are prevented from lateral expansion on being compressed by the set-screw F' or by the rollers while thick articles are being passed through them. G' are guard-plates whereby the clothes are prevented from passing beyond the ends of the rollers. H' are guide-rollers, the purpose of which is to conduct the clothes away from the rollers.

As aforesaid, the advantages resulting from a clothes-wringer when constructed as above described, is that it is stronger than the ordinary wringer, as the frame is constructed entirely of wrought-iron; hence it is not liable to break in the event of its being dropped or in case of any other accident. It is cheaper than a cast-iron frame and more easily constructed and put together as the material consists simply of thick strap-iron which requires no forging to bring into the required shape, the several parts being simply cut of the proper length, which are then bent into shape and riveted together. It is neat in appearance and light to handle, and can be manufactured for less than wringers having a cast-iron frame.

Claim.

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

1. The herein described clothes-wringer having the sides or ends C D, plates G H, and clamps I, made of wrought-iron, and of the shape and in the manner, substantially as described, and for the purpose set forth.

2. In combination with the above I claim the spring C', cups-washers E', adjusting-screws B', and ends C D of the frame, in the manner as and for the purpose set forth.

EDWIN KING.

Witnesses:

W. H. BURRIDGE,
D. L. HUMPHREY.

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