

C. REESE.
Mangle.

No. 214,448.

Patented April 15, 1879.

Fig. 1.

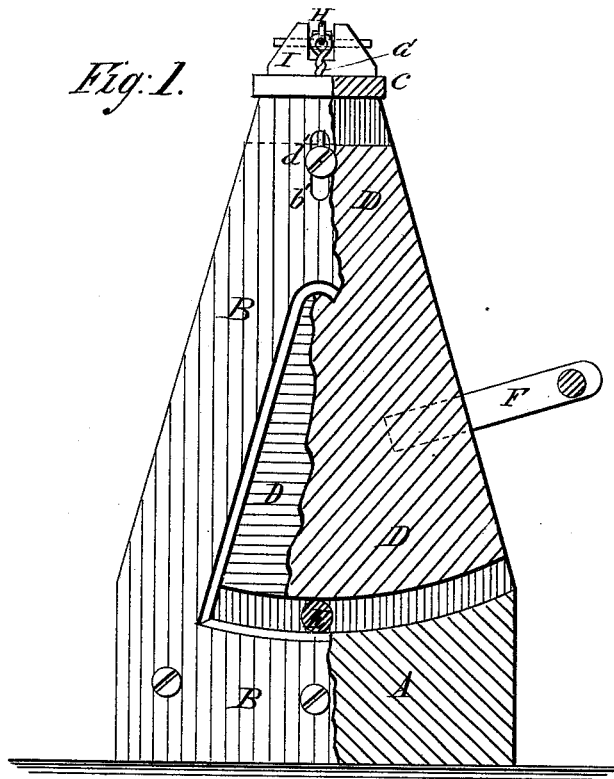
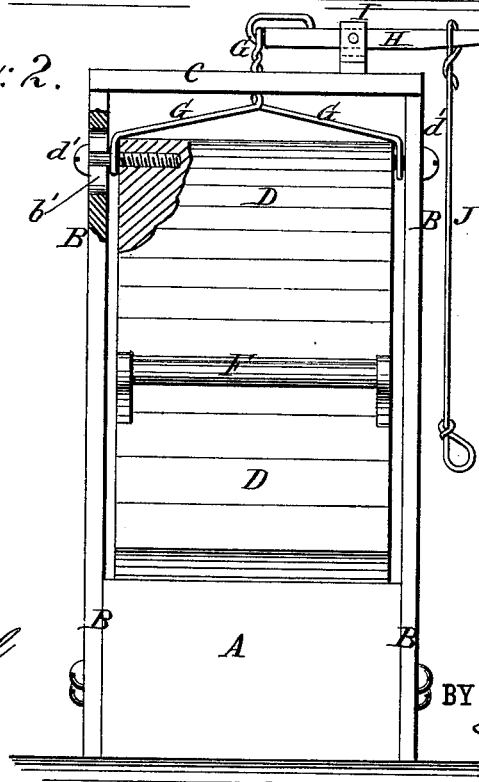


Fig. 2.



WITNESSES:

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IMPROVEMENT IN MANGLES.

Specification forming part of Letters Patent No. **214,448**, dated April 15, 1879; application filed November 12, 1878.

To all whom it may concern:

Be it known that I, CHARLES REESE, of Baltimore, in the county of Baltimore and State of Maryland, have invented a new and useful Improvement in Mangles, of which the following is a specification.

Figure 1 is a side view of my improved mangle, part being broken away to show the construction. Fig. 2 is a front view of the same, part being broken away to show the construction.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved mangle simple in construction, convenient in use, easily operated, effective in operation, and comparatively inexpensive in manufacture.

The invention consists in a mangle formed of a bed block or box made with a concaved top or face, two upright frames, an oscillating pressure block or box made with a convexed bottom or face, and the roller, as hereinafter fully described.

A represents the bed block or box of the machine, which may be made of any desired or convenient length, breadth, and height, and which may be made of iron, or of wood, or of wood faced with iron. The upper surface of the bed block or box A is concaved in the arc of a large circle. To the sides of the bed block or box A are attached two upright frames, B, the upper parts of which may be tapered or made wedge-shaped, and their upper ends are connected by a cross-bar, C.

In the upper parts of the upright frames B are formed vertical slots *b'* to receive the gudgeons *d'*, or ends of a shaft attached to the sides of the upper part of the pressure-block D. The block D is tapered toward its upper end or made wedge-shaped, and its lower end or face is convexed upon the arc of the same circle as the face of the bed block or box A.

The pressure-block D or the bed-block A may be made of iron, or of wood, or of wood faced with iron. When the pressure-block D or bed-block A is made of wood, it should be made hollow or in the form of a box, and should be filled with stone or other heavy ma-

terial to give the desired pressure and steadfastness to the machine.

E is a roller, around which the cloth to be mangled is smoothly rolled, and which is placed between the faces of the bed-block A and the pressure-block D, and the said cloth is pressed or mangled by moving the pressure block or box D back and forth.

The pressure-block D is provided with one or more handles, F, for convenience in operating it.

To the top of the pressure-block D, or to its gudgeons *d'*, are attached rods G, which pass up through a hole in the center of the cross-bar C, and are attached to the end of the short arm of a lever, H, which is pivoted to a fulcrum-block, I, attached to the cross-bar C.

A rope, J, may be attached to the end of the long arm of the lever H for convenience in operating it.

With this construction the pressure block or box D can be easily raised for convenience in putting in and taking out the roller E, and the cloth wrapped around it. Any other suitable device may be used, if desired, for raising the pressure block or box D.

With this construction the mangle will occupy much less space, will be less expensive in manufacture, will be more easily operated, and will do better work than those constructed in the usual way.

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

1. A mangle in which the wedge-shaped pressure block or box D, having a convexed face, is adjustably suspended in the frame B above the concaved faced bed-block A, substantially as and for the purpose described.

2. The rods G, the lever H, the fulcrum-block I, and the rope *g*, in combination with the pressure block or box D, and with the frame B, substantially as and for the purpose described.

CHARLES REESE.

Witnesses:

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