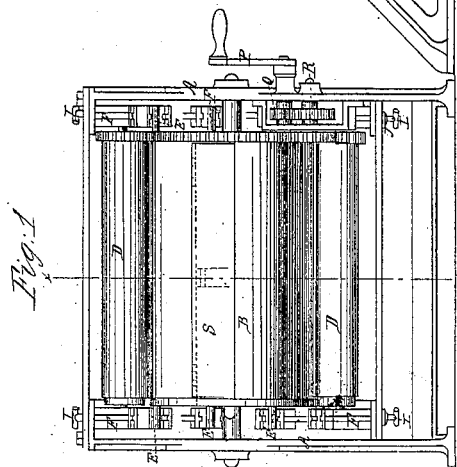
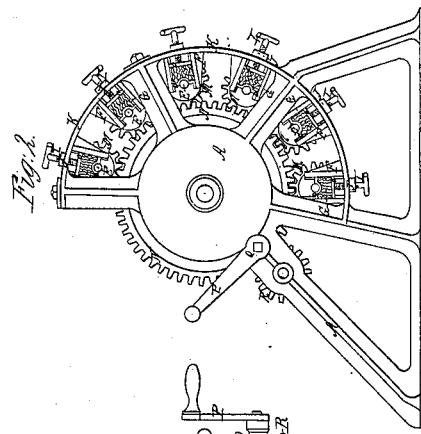
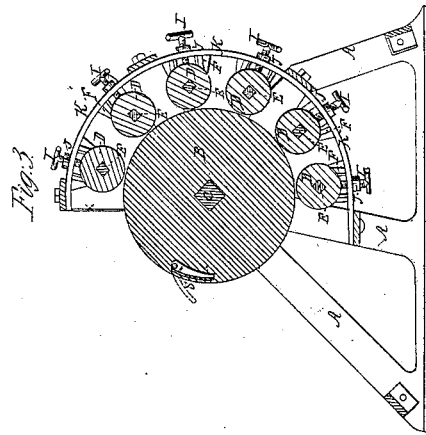


*J. B. Greenhut,*

Mangle,

N<sup>o</sup> 51,452.

*Patented Dec. 12, 1865.*



Witnesses:  
John Gudensheim  
Rev A. B. Maucke

Inventor:  
Joseph B. Grierhant  
by Wm. H. L. L. atty

# UNITED STATES PATENT OFFICE.

JOSEPH B. GREENHUT, OF CHICAGO, ILLINOIS.

## CLOTHES-MANGLE.

Specification forming part of Letters Patent No. 51,452, dated December 12, 1865.

*To all whom it may concern:*

Be it known that I, JOSEPH B. GREENHUT, of Chicago, in the county of Cook and State of Illinois, have made new and useful Improvements in Clothes-Mangles; and I do hereby declare the following to be a full, clear, and exact description of the nature, construction, and operation of the same, sufficient to enable one skilled in the art to which it appertains to construct and use the same, reference being had to the accompanying drawings, which are made part of this specification, and in which—

Figure 1 is a front elevation. Fig. 2 is a side elevation. Fig. 3 is a vertical section on the line *x x*, Fig. 1.

My machine consists of a revolving central roller provided with a clamp for holding the edge of the clothes as they are fed between that roller and the circular series of rollers which abut upon it.

The machine is intended for pressing and surfacing clothes, and forms a substitute for the ordinary smoothing-iron, being more expeditious and involving less exposure to heat, and saving the expenses of fuel.

In the drawings, A is a frame, in which is journaled a central roller, B, on a shaft, C. Around the periphery of the roller B are a series of smaller rollers, D D D D D D, which have shafts E journaled in boxes O, which slide in guides F, being pressed upon by a spring, G, the pressure being graduated by the screw I, which is threaded into the nut J on the arc-shaped rim K, which is attached to the frame A. A cog-wheel, N, on the roller B

gears into pinions M, with which each shaft E is provided, so as to compel each of the surrounding rollers to move with the central one, as the object is only to press, and any traction between the respective surfaces of the rollers would be injurious to the clothing or fabric. The central roller is revolved by means of the crank P on the same shaft with the pinion Q, which engages with the pinion R, the teeth of the latter meshing with those of the wheel N on the central roller or roller-shaft.

S is a clamp on the face of the roller, which is elevated for the insertion of one edge of the garment or fabric under treatment, and is then closed down upon it, so that as the roller is revolved the cloth shall be drawn in and fed between the rollers, and thereby pressed into the required condition. This clamp dispenses with the necessity of exposing the fingers to the danger of being mashed between the rollers, as the clothes are attached by the clamp to the roller and taken past the succession of rollers.

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

The combination of the central roller, B, driven by hand-crank and provided with the clamp S, with the circular series of smaller rollers provided with their spring-adjustments, substantially as described and represented.

JOSEPH B. GREENHUT.

Witnesses:

L. HIRSCH,  
WOLF SCHÄFER.