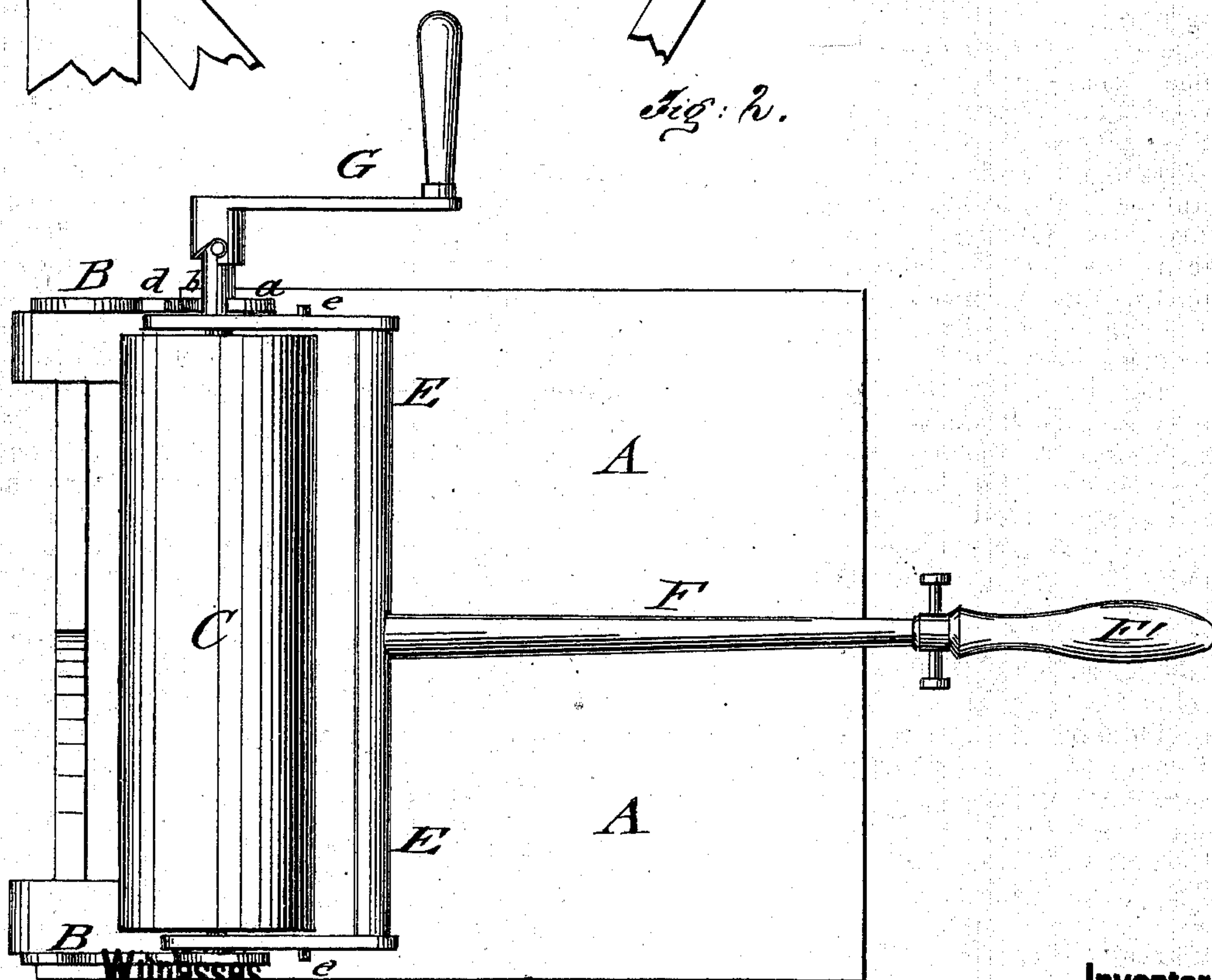
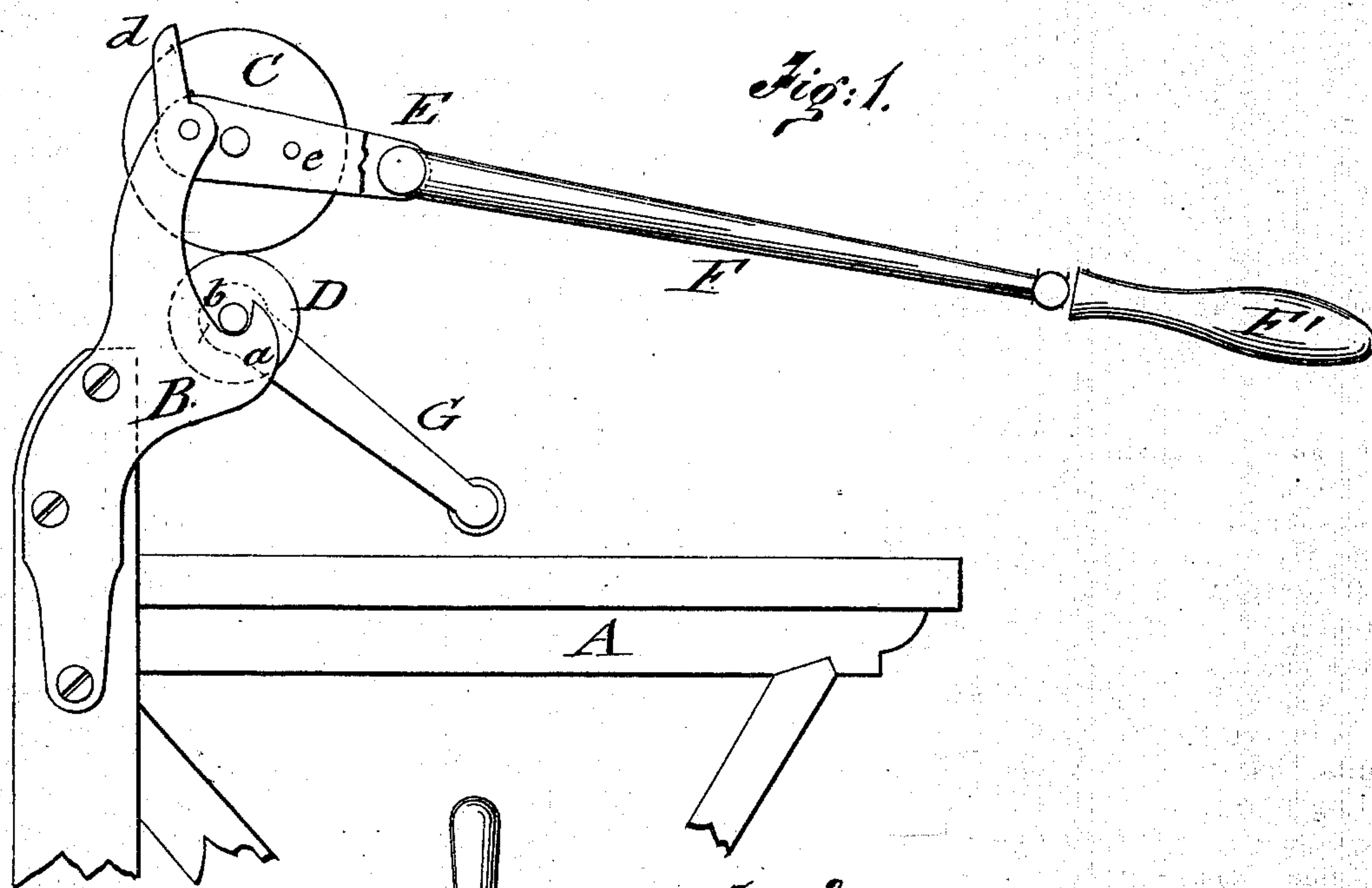


E. GUNDLACH.  
Mangles.

No. 144,671.

Patented Nov. 18, 1873.



Witnesses.

Chas. Nida.  
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Attorneys.



# UNITED STATES PATENT OFFICE.

ERNST GUNDLACH, OF HACKENSACK, NEW JERSEY.

## IMPROVEMENT IN MANGLES.

Specification forming part of Letters Patent No. **144,671**, dated November 18, 1873; application filed September 20, 1873.

*To all whom it may concern:*

Be it known that I, ERNST GUNDLACH, of Hackensack, in the county of Bergen and State of New Jersey, have invented a new and Improved Mangle, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side view of my improved mangle, and Fig. 2 a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of my invention is to produce for family use a simple, cheap, and at the same time powerful and effective mangle, by which the process of mangling may be easily and rapidly attended to and the present cumbersome and complicated mangles dispensed with.

The invention will first be fully described and then pointed out in the claim.

In the drawing, A represents the table, to which the mangle is either permanently attached or firmly secured by suitable clamping-screws, which are applied at the lower end of the side standards B. The standards B are made, by preference, of cast iron, of suitable strength to support the mangle-rollers C D. Standards B are curved forward, as indicated in Fig. 1, and carry, on projecting lugs *a* in semicircular recesses *b*, the shaft of the clothes-roller D, which is placed loosely thereon, while the shaft of the upper or pressure roller C turns in a frame, E, which is pivoted to standards B above roller D. The upper roller C is made of larger diameter than the lower, both being made of cast-iron or other suitable material. An upward-extending lug, *d*, of each standard B, is slightly inclined to the rear, and serves to support frame E on its pins or stops *e*, when thrown up, for taking out the lower roller D and changing thereon the clothes, linen, or other articles to be mangled. Frame E is also

preferably made of cast-iron, in fork or U shape, with a central lever, F, extending toward the person mangling, which is supplied with a handle, F', for pressing the roller C down, or with a weight suspended at its end for producing the necessary pressure on the lower roller D. Frame E is applied to standards B eccentrically at some distance to the rear of the shaft of roller C, so that the pressure of roller C when brought down to act on roller D is in proportion as the degree of eccentricity to the length of the lever and the weight applied, which may be increased or decreased according to the power desired to be exerted. The crank G is applied, by pin and slot, or by any of the usual methods, to the shaft of roller D, to be easily attached and detached for the purpose of putting on or taking off the roller D from the standards B, and adjusting the clothes thereon in the usual manner. By holding with one hand the lever of the pressure-roller, and turning the crank with the other as long as desired, the clothes are nicely and rapidly mangled. They are then taken off and replaced and run through the roller again, and so on till they have all passed through the mangle.

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

The improved mangle for family and other use, consisting of pressure-roller C with eccentric frame E and lever F, and clothes-roller D turned by crank G and placed on standards B, which are applied to table A, substantially as and for the purpose described.

E. GUNDLACH.

Witnesses:

T. B. MOSHER,  
ALEX. F. ROBERTS.