

J. S. FOX.
Clothes-Mangle.

No. 216,320.

Patented June 10, 1879.

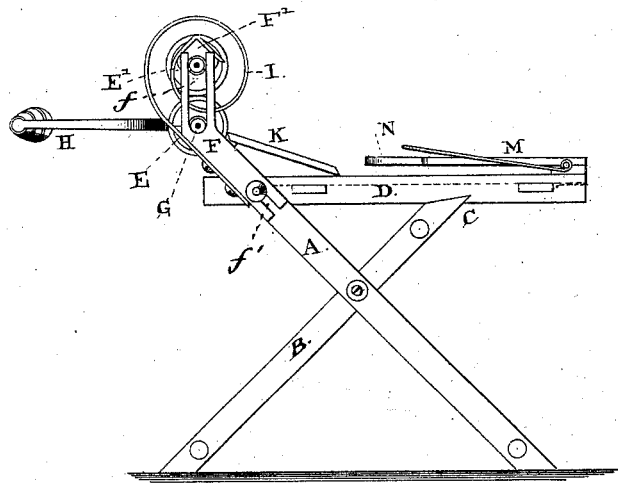


Fig. 1.

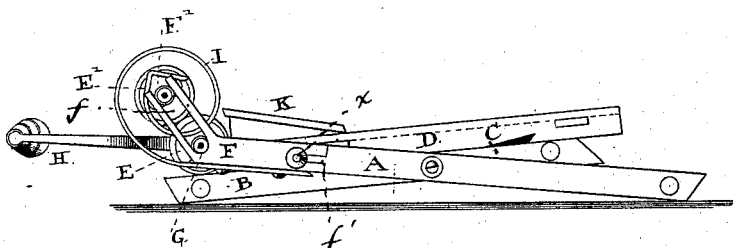


Fig. 2.

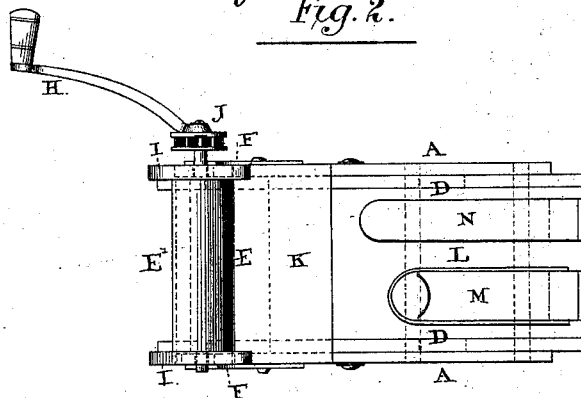


Fig. 3.

WITNESSES:-

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Geo. Wells.

INVENTOR:-

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UNITED STATES PATENT OFFICE.

JAMES S. FOX, OF OSHAWA, ONTARIO, CANADA.

IMPROVEMENT IN CLOTHES-MANGLES.

Specification forming part of Letters Patent No. **216,320**, dated June 10, 1879; application filed October 7, 1878.

To all whom it may concern:

Be it known that I, JAMES SCULTHORP FOX, of the town of Oshawa, in the county of Ontario, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Clothes-Mangles, of which the following is a specification.

My invention has relation to that class of mangles in which the rolls are mounted on standards attached to a folding bench; and my improvements consist in a novel manner and means for connecting the mangle to the folding table, the same being readily removable, leaving the ironing-table with its attachments ready for convenient use.

In the accompanying drawings, Figure 1 is a side elevation of my folding-bench mangle when erected ready for use. Fig. 2 is a view of the same when folded up. Fig. 3 is a plan.

The frame of the machine consists, when erected, of the angularly-placed standards A A, to the head of which the rolls and attachments are fastened. B B are counter-faces joining the standards, say, midway in their height, the ends fitting in a detachable manner into the rail-notches C. D D are horizontal side rails, to which the standards A are pivoted in such manner that they may be folded to occupy the position shown in Fig. 2. E E' are the rolls, mounted on shafts in the usual way. The shaft of the lower roll, E, rests in suitable half-bearings G, sunk in the head of the standards A A. To one end of this shaft the handle H is fastened. The ends of the shaft of the upper roll are provided with bearing-blocks F', on which the ends of the pressure-springs I bear. The pressure-springs are fastened at the other end to the standards A A, from which they curve upwardly and forwardly, reversing, and finishing with a short

turn over the blocks F'. The shape of these springs gives a steady constant pressure on the rolls, and at the same time permits the rolls to separate to the greatest extent required without losing a proper pressure or unduly straining the springs.

Gear-wheels J upon the shafts serve as usual in mangles. F represents angle-irons adapted to be secured by friction-bolts to the standards A A, such bolts operating in slots *f' f'* in the irons, and allowing the same to be removed by loosening the nuts on the bolts. A slot, *f*, receives the shafts of the rolls upon each side of the machine, as shown.

The springs I are secured to the lower surfaces of the standards A, each by a single screw, and bearing upon the upper roll serve to hold the slot *f'* down upon the bolt *x*.

To use the table as an ironing-bench it is only necessary to disconnect the spring I and loosen the bolt *x*, when the complete mangle may be readily removed.

The ironing-table has skirt and shirt boards M and N, each having respective metal hooks, by means of which they may be placed out of the way under the table, or placed in position for use above the table, as desired.

I claim as new and desire to secure by Letters Patent—

The angle-irons F, having slots *f* to receive the shafts of the rolls E E' and slots *f'* to receive bolts *x*, held in position for use by the springs I and the friction of the bolts *x*, as shown, combined with said springs I, rolls E E', and the standards A, as and for the purpose set forth.

JAS. S. FOX.

Witnesses:

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