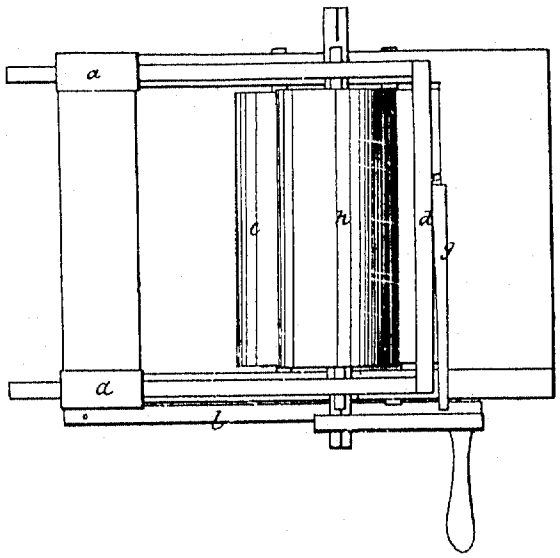
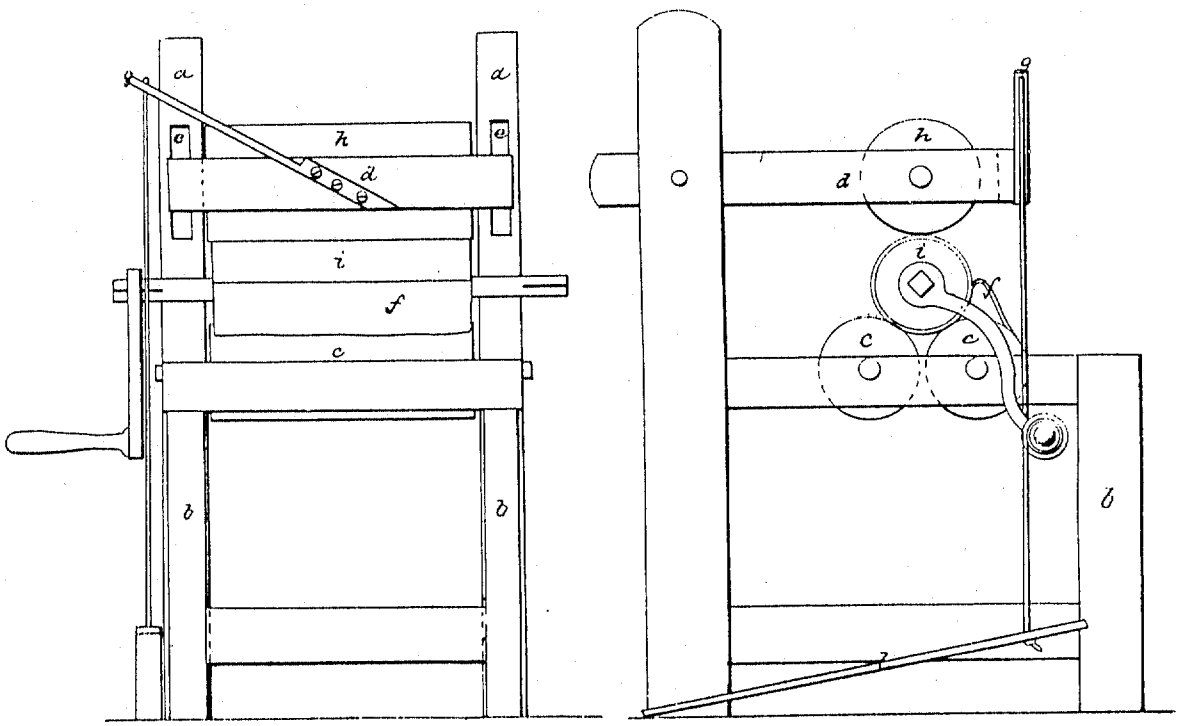
X0007401

I. Doolittle.

Cloth Finishing Mach.

Patented Feb. 1, 1833.





2/1/1833 7401X

Feb. 1. 1833

Isaac Doolittle, Bennington Vermont

Letters Patent

The Schedule referred to in these Letters Patent and making part of the same, containing a description in the words of the said Isaac Doolittle himself of his improvement in the Machine called the American Triangle, or Domestic Calender.

To all persons to whom these presents shall come. Be it known that I Isaac Doolittle of Bennington, in the County of Bennington State of Vermont sends Greeting. Be it known that I the said Isaac Doolittle have invented, constructed, made & applied to use, a new & useful Machine called the American Triangle, or domestic Calender, described in the words following, viz. This Machine consists in a square or oblong frame of any convenient height, composed of four posts connected by two stay, transverse bars or girths; the two front posts are longer & extended higher than those in the rear; on this frame & near the front posts, rest two cylinders, at a small distance apart their axis being parallel to each other, & in the same horizontal plane, & having their gudgeons imbedded in the frame. On a movable frame the ends of which are introduced into two mortises in the upper part of the front posts while the other extremities left to describe an arc of a circle, in the vertical plane about the pins which retain them in the mortises as centers & at such distance from the fulcrums as to bring its axis when the movable frame is horizontal directly over the middle of the space which separates the two cylinders above named, is placed the axis of a third cylinder, parallel to the two first. Upon this cylinder the axis of which extends far enough each way to receive a band, & to admit of its being turned without touching the frame, is placed parallel to the other cylinders, & resting on the two first, this fourth cylinder is surrounded by the band of which hangs two ends over the upper or left hand from

from the cylinder; on this with developed, presenting one one of the lower cylinders; in placed the end of the article to be smoothed, fold side to the proper width; by turning the crank in the proper direction the article is wrapped around the fourth cylinder; when a sufficient quantity for one operation, is thus wound on the cylinder in the manner before mentioned to cause in contact with it and a proper degree of pressure applied by means of a cord which connects the extremity of the movable frame with a pedal on which is placed the foot of the operator. Things thus prepared, the crank cylinder is turned for a short time, in the same direction as for winding on the linen. The friction of this cylinder causes the others to revolve in the same direction, and the pressure is such as serves not only to smooth the clothes submitted to the operation, but to give them a beautiful lustre. Linen to be smoothed by this machine, should be moistened much less than for smoothing by the common mode. I have further to give directions because the dr may be raised at pleasure without altering the principle of the machine; the same may also be said of the materials of which it is constructed.

I do not claim as new any single or detached part of this machine but I do claim as new the application of this combination of parts to the above use. In testimony that the above is a true specification of my said machine as above described. I have hereunto set my hand this 8th day of March, in the year of our Lord one thousand eight hundred and thirty two.

J. Doolittle

Wit. Mitchell
Pierpont Isham
Wm Bigelow

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