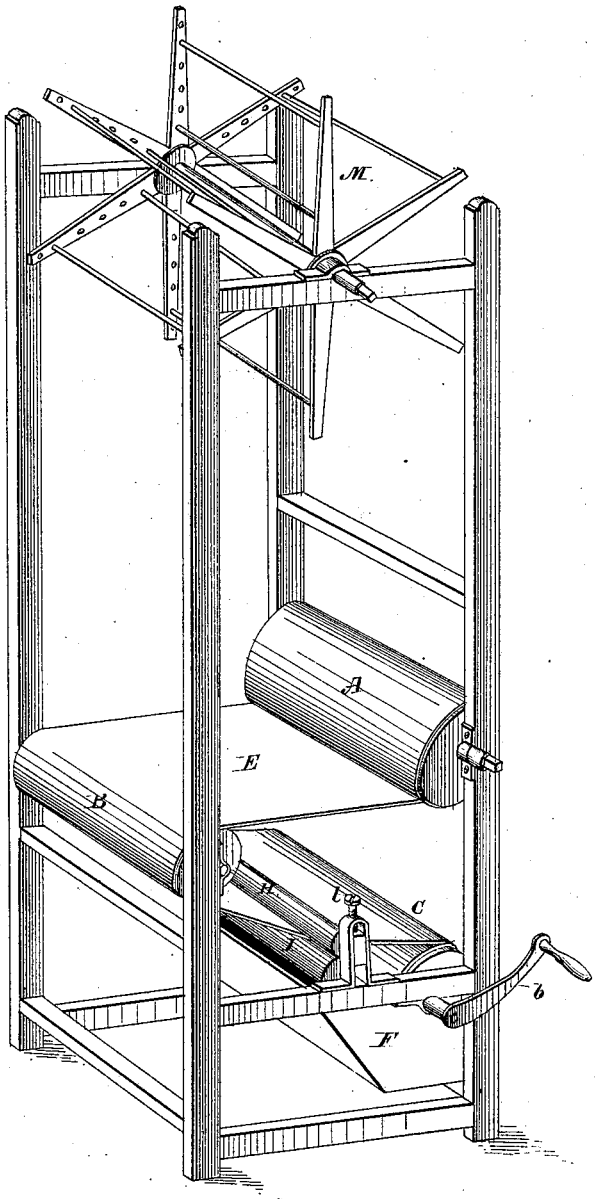
M. C. SWIFT.

Machine for Sponging and Drying Cloth.

No. 206,499. Patented July 30, 1878.



Attest.

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UNITED STATES PATENT OFFICE.

MOSES C. SWIFT, OF NEW BEDFORD, MASSACHUSETTS.

IMPROVEMENT IN MACHINES FOR SPONGING AND DRYING CLOTH.

Specification forming part of Letters Patent No. **206,499**, dated July 30, 1878; application filed August 18, 1877.

To all whom it may concern:

Be it known that I, MOSES C. SWIFT, of the city of New Bedford, county of Bristol, and State of Massachusetts, have invented a new and novel Device for Sponging Cloth, which invention is fully set forth in the following specification and accompanying drawing.

The object of my invention is to furnish a machine which will sponge cloth uniformly throughout its whole extent, at the same time keeping the cloth smooth and unwrinkled, and allowing the work to be rapidly and easily done, so that a large quantity of cloth can be sponged in a short time by an unskilled workman.

In the drawing, which is a view, in perspective, of my invention, A represents a roll, to which one end of the cloth E is firmly attached, and which is furnished with a crank, *b*, so that the cloth E may be rolled upon it. C represents a roll, to which the other end of the cloth E is firmly attached, and which is also furnished with a crank, so that the cloth E may be wound on it, and at the same time unrolled from the roll A. F represents a trough, in which enough water is placed to partially submerge the roll C, so that the cloth E, when wound on it, may become saturated. B represents a roll, around which the cloth E passes, so as to form a horizontal section, so that the cloth to be sponged may be more easily guided around the roll A. H represents a rubber roll, which is adjusted to the roll I by means of the screws *l l*.

When cloth is to be sponged the crank *b* is placed on the bearing of the roll C, and the cloth E is wound onto it, sufficient water having been placed in the trough F. The crank *b* is then placed on the bearing of the roll A, and the cloth E is wound on it until the saturated portion reaches the roll A; then one end of the cloth to be sponged is placed on the horizontal section of the cloth E, and by means of the crank *b* is rolled upon the roll A, thus placing the saturated cloth E in alternate layers with the cloth to be sponged and giving it a uniform dampness throughout. When the cloth which is being sponged has remained on the roll A a sufficient time to absorb the dampness from the cloth E, the crank *b* is placed on the bearing of the roll C, and the cloth which is being sponged unwound from the roll A. One end of the said cloth is then folded over one of the bars of the reel M, when it is wound upon it, thus giving the air free access to it, so as to dry it quickly. The degree of saturation of the cloth E is regulated for thick and thin goods which are to be sponged by adjusting the pressure of the rubber roll H by means of the screws *l l*.

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

The combination of the rolls A, B, C, H, and I with the cloth E and the trough F, substantially as and for the purpose set forth.

MOSES C. SWIFT.

Witnesses:

HIRAM WEBB,

EMANUEL SULLAVON.