(12) **United States Patent**
Cook

(10) **Patent No.:** **X6513**
(45) **Date of Patent:** **Apr. 23, 1831**

(54) **CLOTH,DRESSING, WOOL & COTTON**

(76) Inventor: **Calvin W. Cook**

Calvin W. Cook of Lowell a Massachusetts,

Letters Patent.

The schedule referred to in these Letters Patent and making part of the same, containing a description in the words of the Calvin W. Cook himself of his improvement in the process of dressing woollen cloths and cloths composed partly of wool and partly of cotton.

To all to whom these presents shall come,

Calvin Worthington Cook of Lowell in the county of Middlesex and common wealth of Massachusetts woollen manufacturer sends Greeting

Be it known that I the said Cook have invented and applied to use a new and useful improvement in the process of dressing woollen cloth and cloths composed partly of Wool, & partly of Cotton, the description thereof is as follows, namely; take broad cloths, satinets, or any like cloths to be subjected to the process, after they have been fulled and rinsed clean, but before the pile or nap has been raised upon them and wind them upon wooden rollers or cylinders as tight as can be done without tearing the cloth, confine them with a twine tied around so that the cloth cannot unwind and so that the whole may remain firm and tight upon the roller or cylinder, then prepare a kettle or cauldron of sufficient dimensions to receive the roller or cylinder with the cloth upon it till the kettle or caul[dron], after having put the roller or cylinder with the cloth upon it therein with water, and apply heat thereto until the heat rises to from one hundred & eighty to two hundred degrees of Farenheit's thermometer for all cloths excepting whites & Blues, and for the last-mentioned colours the heat may be raised to two hundred & twelve degrees or to boiling heat

heat. The other colors will not endure so great a degree of heat, the degree of heat can best be decided upon by experiment from time to time owing to the various ways of producing the different colors in the different parts of the country, The degree of heat above mentioned, it is believed, will in general best answer the purpose without injury to the cloth, the water should be kept at the degrees of heat above mentioned for the space of six hours, after which the cloth should be taken from the water & suffered to cool upon the roller or cylinder which will usually take about twenty four hours, instead of water, Steam may be applied at the same temperature for the same length of time and will answer the same purpose: but in this case the cloth must be wound around a revolving roller or cylinder which must be kept continually in motion during the process, and the steam must be confined by a wooden box made very tight so as to include the roller or cylinder with the cloth upon them within it: the cloth is to be taken out and cooled in the same way as when heated by water the operations above mentioned, render the cloth very firm in the bottoms, divest it of wrinkles and cockles or drawn places and render it even and smooth on the surface so that the teazles or points may act uniformly upon the cloth and the fibre of the wool or cloth is rendered more pliable and is more easily turned and laid straight & smooth in the process of teasing or raising the pile or nap thereon

And I the said Cook do hereby especially declare that all that I claim as new and of my invention or discovery is the subjecting the cloth to the process aforesaid, in manner aforesaid, and for the purpose aforesaid, after the same has been fulled and before the pile or nap has been raised thereon by the process of teasing.

In testimony whereof I the said Calvin W. Cook have hereunto set my hand and seal this first day of

April, in the year of our Lord one thousand eight hundred
and thirty one
Signed sealed and
Executed in the presence
of us —
B.r Rand
Augustus H. Fiske

Calvin W. Cook,

Commonwealth of Massachusetts — Suffolk ss. City of Boston
April 1st A.D. 1831 appeared the above named Calvin
W Cook & made oath, that he does verily believe that he
is the true inventor or discoverer of his said improvement
by him above specified; and that he is a Citizen of the
United States of which sufficient testimony was produced
Before me
B.r Rand Justice of the peace
to Suff

Enrd
1836