

UNITED STATES PATENT OFFICE.

REUBEN DANIELS, OF WOODSTOCK, VERMONT.

MANUFACTURE OF CLOTH OF VARIOUS KINDS BY THE EMPLOYMENT OF WOOL AND SILK OBTAINED BY REDUCING WORN-OUT WOOLEN AND SILK GOODS INTO THE FIBROUS STATE.

Specification forming part of Letters Patent No. 1,809, dated October 8, 1840.

To all whom it may concern:

Be it known that I, REUBEN DANIELS, of Woodstock, in the county of Windsor and State of Vermont, have invented an improvement in the manufacturing of cloths of various kinds, including those in which wool is the only material employed and those into the manufacturing of which wool enters as an essential part thereof; and I do hereby declare that the following is a full and exact description of my new manufacture.

The improvement consists in the remanufacture of wool into cloths of various kinds—such as broadcloths, kerseymeres, satinets, and others of a similar character—and into cloths in which the warp consists of cotton, silk, or other material, and the filling, in whole or in part, of wool, or of cloths in which the cotton, silk, and wool are mixed together, and are carded and spun in their combined state, all of which I have successively essayed. The wool so remanufactured I obtain by taking worn-out woollen goods of various kinds, and also worn-out silks, and reducing them to their original fibrous state by means of machinery which I have invented for that purpose, (and for which I have made application for Letters Patent simultaneously with the present application,) or reduced by means of any other machinery which will produce said fibers of wool in a state fit for remanufacturing into yarn and cloth. I sometimes take such restored wool and card,

spin, and weave it alone, or I mix it with fresh wool in the proportion of at least one-sixth part of the restored wool to five-sixths of the fresh wool, and I in either case thereby obtain yarn or cloth equal in all respects to that which can be obtained from entire fresh or new wool of the same degree of fineness—a result not heretofore attained, and by which I am enabled to produce such cloth and sell it at a price considerably lower than that of cloth consisting entirely of fresh or new wool, as it is a fact which I have established by full experience that the reproduced fibers of wool may be obtained from the worn-out woollen goods, pound for pound, at a very trifling cost.

What I claim as my invention or discovery, and desire to secure by Letters Patent, is—

The employment of wool and of silk obtained by the reducing into the fibrous state of worn-out woollen or silk goods, so as to produce new fabrics by the operations of spinning and weaving equal in all respects to those obtained from new or fresh wool, said reproduced fiber to be used either alone or in a proportion to that of the fresh wool of not less than one-sixth part.

In testimony whereof I hereunto set my hand this 11th day of July, 1840.

REUBEN DANIELS.

Witnesses:

THOS. P. JONES,
W. THOMPSON.