

United States Patent Office.

J. SAXTON AND B. SAXTON, OF SUMNER, ILLINOIS.

Letters Patent No. 95,733, dated October 12, 1869.

IMPROVED PROCESS OF PREPARING WOOL FOR MANUFACTURE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that we, J. SAXTON and B. SAXTON, of Sumner, in the county of Lawrence, and State of Illinois, have invented a new and improved Process for Manufacturing Wool into all kinds of colors and goods, without the use of oil or grease in carding or spinning; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

Our invention has for its object, to furnish an improved process, by the use of which wool may be manufactured into yarn and cloth without the use of oil or grease, so that the work may all the time be clean, and the cloth ready for the market when taken from the loom; and

It consists in the process hereinafter more fully described.

In preparing the wool, it is thoroughly cleaned, dyed of the various colors, scoured clean, and dried, it being essential that the wool should be clean. The wool is then ready for the hereinafter-described solution.

For each fifty pounds of wool, we put from one pint to one quart of soft soap, (according to quality,) and one-quarter of a pound of soda, into half a gallon of boiling water, and stir until thoroughly mixed.

One gallon of cold water is then added, and the mixture is again stirred. The mixture should be of the consistency of thin oil, and is ready for use.

The wool should be well picked, and the mixture, in the above-mentioned proportion, should be sprinkled evenly over it, and it should then be immediately run through the picker while still warm. The wool is then ready for the cards. If the yarns are wanted for warp, they should be steamed upon the bobbins for about eight or ten minutes, which is all the dressing required for weaving, no oil or grease being used, other than that contained in the soap.

A great advantage of this process is, that the work is clean and neat through all its stages, and the factory is free from oil or grease, thereby greatly diminishing the danger from fire.

Having thus described our invention,

We claim as new, and desire to secure by Letters Patent—

The improved process for manufacturing wool into all kinds of colors and goods without the use of oil or grease, in carding and spinning, substantially as herein set forth and described.

J. SAXTON.

B. SAXTON.

Witnesses:

E. J. DALRYMPLE,
W. D. GELPIN.