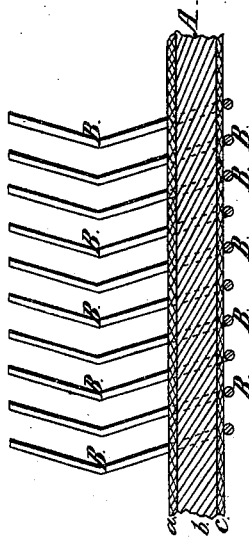


E. Waite.
Card Clothing.
N^o 54,450. Patented May, 1866.



Witnesses.
Samuel C. Piper
G. H. Washburn.

Inventor.
Enoch Waite.
by his attorney.
R. W. Eddy.

UNITED STATES PATENT OFFICE.

ENOCH WAITE, OF FRANKLIN CITY, MASSACHUSETTS.

IMPROVEMENT IN CARDS FOR CARDING-MACHINES.

Specification forming part of Letters Patent No. 54,450, dated May 1, 1866.

To all whom it may concern:

Be it known that I, ENOCH WAITE, of Franklin City, in the county of Norfolk and State of Massachusetts, have invented a new and useful Improvement in the Manufacture of Cards for Carding Wool or other Fibrous Material; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawing, which exhibits a section of a piece of card as made in accordance with my invention, which has special reference to the part in which the wires or teeth are usually inserted, and which heretofore has been a sheet or strip of leather.

I substitute for leather a sheet composed of two layers of cloth and one layer of paper.

In the drawing, *a* and *c* are the layers of cloth, and *b* the layer of paper, composing the sheet A and for holding the card-teeth B B B B. The layer *b*, of paper, is to be a flexible card-board, which I prefer to make from scraps or pieces of leather ground up and made into paper with hair, flax, or other fibrous matters, the same being what is known in the market as "artificial leather." To each of the two op-

posite surfaces of the said sheet *b*, I cement a layer, *a* or *c*, of cotton or other suitable cloth, preferring to make use of some water-proof cement, which when dry will be flexible. I have found that a card backing or body so made, besides being much cheaper than a piece of leather of the same size, is not only more durable, but better in various respects. It holds the card-teeth more firmly, it being much more difficult to tear one of them from it than it is from leather. It also affords a better support to the teeth in other respects.

I do not claim a wool-card made with a leather backing or foundation for receiving and supporting the teeth; but

I claim as my invention—

The improved manufacture or wool-card as made with its body or teeth-supporting part composed of layers of paper and cloth arranged and cemented together substantially as specified.

ENOCH WAITE.

Witnesses:

R. H. EDDY,
SAMUEL N. PIPER.