

# UNITED STATES PATENT OFFICE.

WILLIAM A. MAURAN, OF PROVIDENCE, RHODE ISLAND.

## IMPROVEMENT IN THE MANUFACTURE OF CARPET-LINING.

Specification forming part of Letters Patent No. 105,960, dated August 2, 1870.

*To all whom it may concern:*

Be it known that I, WILLIAM A. MAURAN, of the city and county of Providence, in the State of Rhode Island, have invented a new and useful Improvement in the Manufacture of Carpet-Lining; and I do hereby declare that the following specification is a full, clear, and exact description thereof.

Linings or paddings for the under sides of carpets have heretofore been made of bats of fibrous material spread between sheets of coarse paper.

The object of my improvements is to save the cost of paper for the outside covering of the padding by substituting in its place cardings of jute or flax, and surfacing the same by a coating of size.

A convenient way to manufacture the article will be found to employ a lapper, in combination with four carding-machines, the latter being arranged in sets of two. The first set of cards deposits its cardings of jute or flax upon an endless apron. The lapper has its product led over the first set of cards, and conducted to the sheet of carding from the first set of cards at some point between the two sets of cards, and thenceforward travels with the product of the first set of cards, and underneath the second set of cards, whereby the cardings of jute or flax from the second set of cards are deposited upon the top of the lap. Thus the intended padding is made up of two outer sheets of jute or flax, with an intermediate layer of cotton or other soft fibrous material suitable for the purpose. Both surfaces of the intended carpet-lining are then to receive a

coating of thick size, and be dried in a hot room, after the manner practiced in the wadding manufacture.

I am aware that wadding for garments has for a considerable time been manufactured with a glazed outer surface obtained by the use of size, and used as a means for holding the fibers which compose the bat.

I am also aware that the two surfaces of a bat used for wadding have been covered with some material—as wool—capable of felting; but I am not aware that jute or flax, treated with size, has ever before been used as a substitute for paper in the manufacture of carpet-linings or in the manufacture of wadding.

I do not claim the arrangement of a lapper with two sets of cards, above described, as such arrangement of carding machinery is often resorted to to obtain layers of different filamentous material, and I have mentioned the same only for the purpose of showing a convenient way for manufacturing the improved carpet-lining which I have described.

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

The improvement in the manufacture of carpet-lining, which consists in the substitution of carded jute or flax, treated with size, for the outside surface of the bat which composes the soft body of the lining, the article produced thereby being substantially as described.

WILLIAM A. MAURAN.

Witnesses:

ORVILLE PECKHAM,  
EDWARD C. AMES.