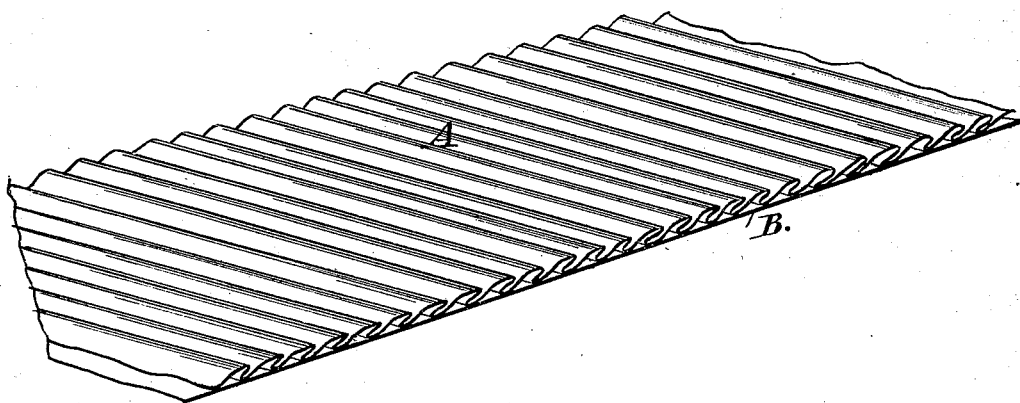


H. B. MEECH.
Carpet-Lining.

No. 215,648.

Patented May 20, 1879.



Attest:
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UNITED STATES PATENT OFFICE.

HARRISON B. MEECH, OF CHATHAM VILLAGE, ASSIGNOR TO THE UNIVERSAL PAPER COMPANY, (LIMITED,) OF CHATHAM, NEW YORK.

IMPROVEMENT IN CARPET-LININGS.

Specification forming part of Letters Patent No. **215,648**, dated May 20, 1879; application filed January 16, 1879.

To all whom it may concern:

Be it known that I, HARRISON B. MEECH, of Chatham Village, in the county of Columbia, and in the State of New York, have invented a new and useful Improvement in Carpet-Linings; and I do hereby declare that the following is a full, clear, and exact description thereof.

This invention consists in a carpet-lining composed of two sheets of paper or other suitable flexible fabric, one sheet being flat and the other being formed into a series of inclined ribs or leaning arches, the several ribs or arches being fastened to the flat sheet.

The drawing illustrates a perspective view of this improved carpet-lining.

A represents a continuous sheet, which is first fluted by means of fluting-rollers or otherwise, and has applied to one side a flat sheet, B, which is made to adhere by pasting or otherwise to the ribs of that side. The material thus formed is passed between a pair of pressure-rollers in such a manner that the flutes in passing will be parallel with the axes of the rollers. By this operation the flutes are bent or folded uniformly and simultaneously throughout their length into a series of inclined ribs or leaning arches or plaits, which yield with a spring-like action when trod upon, and return to their former position when released.

The plaited sheet imparts elasticity, while the flat sheet gives strength and stability, and thus constructed the carpet-lining is highly elastic and durable. It may be placed upon the floor with either its flat or its channeled surface upward. In the latter case the dust and dirt from the carpet will fall between the folds or plaits, and the carpet will be held out of contact therewith.

The attachment of the flat sheet in the manner described preserves the arches or plaits in proper relative positions, and thus secures an even surface, preventing the lining from be-

coming bunched in places. It also adds to the elasticity in this way, that when the carpet is trod upon each fold, plait, or inclined rib of the lining acts independently of the others, developing in the aggregate of the surface covered by the foot a very considerable resistance, which results in a highly-appreciable elasticity, while in the case of a single folded sheet, or one not having its several folds fastened to a flat sheet, the folds slide upon one another and immediately collapse.

I disclaim a carpet-lining composed of a folded sheet and without the edges of its folds fastened to a flat sheet.

I disclaim a packing for bottles and other fragile articles and substances, consisting of a sheet formed into a series of upright ribs or arches attached to a plain sheet. Such a packing is not adapted for use as a carpet-lining, from the fact that the ribs or arches not being bent or compressed uniformly, as in my carpet-lining, they are not adapted to fold into plaits when trod upon, returning to their former position when released, but will crush and break in the particular places where stepped upon, and remain in the crushed position.

What is claimed as the invention is—

A carpet-lining composed of two sheets of paper or other suitable material, one being flat and serving as a base, while the other is formed into a series of inclined ribs or leaning arches, adapted to fold into plaits when trod upon, returning to their former position when released, the said sheets being united together by the fastening of the latter to the former between the several ribs or arches, substantially as described.

HARRISON B. MEECH.

Witnesses:

FRANK BUTTERWORTH,
F. C. SOMES.