(Specimens.)

J. M. BAKER.

CARPET LINING.

No. 347,763. Patented Aug. 24, 1886.

FIG. 1.

FIG. 2.

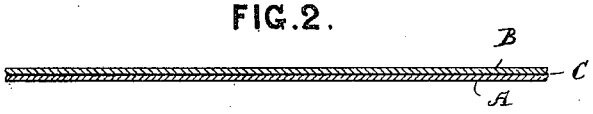


FIG. 3.

FIG. 4.

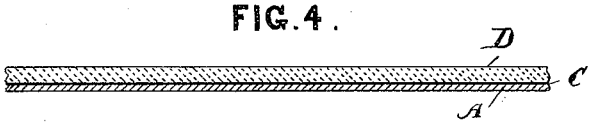
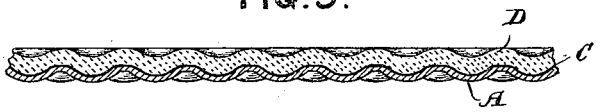


FIG. 5.



Witnesses.

E. Blanta.

R. F. Warner

Inventor.

J. M. Baker

by J. H. Adams

Attorney.

UNITED STATES PATENT OFFICE.

JACOB M. BAKER, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO THE INDENTED PAPER COMPANY, OF PORTLAND, MAINE.

CARPET-LINING.

SPECIFICATION forming part of Letters Patent No. 347,763, dated August 24, 1886.

Application filed April 30, 1886. Serial No. 200,648. (Specimens.)

To all whom it may concern:

Be it known that I, JACOB M. BAKER, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Carpet-Linings, &c., of which the following is a specification.

The object of my invention is to produce an improved carpet-lining having a raised design embossed thereon, and composed of a material possessing elasticity, strength, and toughness of fiber when stretched in the embossing process, which, while possessing the requisite elasticity, will retain the form imparted thereto and resist any tendency to resume its original flat condition. The article is also equally applicable to packing for bottles, jars, and other easily frangible substances.

The invention consists in the employment of what is commercially known as "chemical wood fiber," either in a single thickness or two or more thicknesses, or in connection with a layer of felt or other analogous material, with a layer of cement between the two, which, after being embossed, will retain its shape and elasticity until worn out.

Referring to the accompanying drawings, Figure 1 represents a section of a piece of an embossed carpet-lining or bottle-packing of chemical wood fiber. Fig. 2 is a section of the chemical wood fiber of two thicknesses, with a layer of cement between the two, before being embossed. Fig. 3 represents the same after being embossed. Fig. 4 is a section of the chemical wood fiber and a layer of felt, with cement between the two, before being embossed. Fig. 5 is the same after being embossed.

A in Fig. 1 represents a section of a piece of chemical wood fiber embossed for use as carpet-lining or bottle-packing.

In Fig. 2, A and B are two thicknesses of the chemical wood fiber with a layer of cement between the two, which, when embossed, as shown in Fig. 3, will be capable of resisting great pressure, while possessing the requisite degree of elasticity.

In Figs. 4 and 5 I have shown a layer of felt, D, in connection with the chemical fiber A and an interposed layer of cement, C, which may be embossed without breaking by having the strong fabric outside to protect the weaker fabric and the lining from wear, while the soft fabric on the inner side makes a soft and yielding surface for the tread.

When in use and laid under a carpet, the embossed side of the carpet-lining is laid downward, as it thus affords a springiness and elasticity that cannot be produced by the use of the ordinary embossed paper, and for a like reason it affords a better protection as a packing for glassware and other fragile articles. Where it is desired to produce a lining or packing having a greater degree of stiffness than can be obtained by a single thickness, I take two sheets united by a layer of adhesive material—such as glue or paste—and in a dampened state pass the sheets between the embossing-rolls. To effect this I use a sheet or roll of chemical wood fiber united with another sheet of chemical wood fiber, as above described, or with any fibrous paper; or the two sheets thus united may both be of any suitable fibrous material, the object being to add stiffness and strength to the embossed fabric by uniting the sheets as described, and after the embossing process and the sheets or rolls thus embossed become dry a greater degree of resistance is obtained than could be effected by putting sizing in the pulp, and then by applying it as an outside coating, as has heretofore been done.

I am aware of the patent granted to L. P. Jenks for a carpet-lining formed from a sheet of paper passed between rollers to be embossed, No. 271,075, January 23, 1883. This I do not claim; but

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

1. As a new article of manufacture, a carpet-lining composed of chemical wood fiber having an embossed surface, substantially as described.

2. A carpet-lining composed of two sheets

of chemical wood fiber united by an interposed layer of cement and then embossed, as described.

3. A carpet-lining composed of a sheet of chemical wood fiber, in combination with a sheet of felt or other analogous material, the two being united by an interposed layer of cement and then embossed, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JACOB M. BAKER.

Witnesses:
J. H. ADAMS,
E. PLANTA.