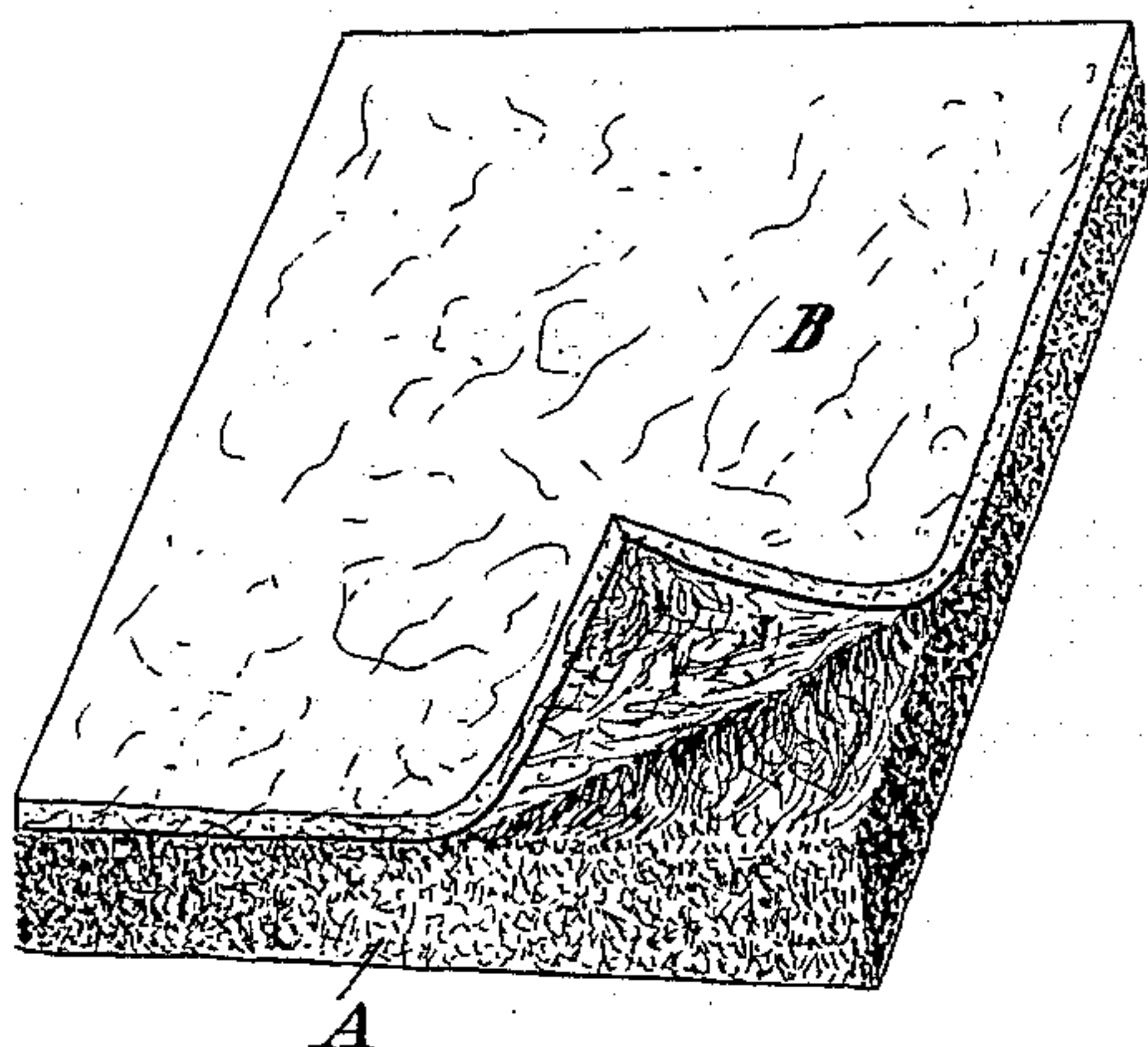


(No Model.)

R. F. NENNINGER.
COVERING FOR FLOORS, &c.

No. 359,623.

Patented Mar. 22, 1887.



WITNESSES:

Chas. Benjamin
Edgar Goodwin

INVENTOR

Robert F. Henninger
BY *Chas. Benjamin*
his ATTORNEY

UNITED STATES PATENT OFFICE.

ROBERT F. NENNINGER, OF NEWARK, NEW JERSEY.

COVERING FOR FLOORS, &c.

SPECIFICATION forming part of Letters Patent No. 359,623, dated March 22, 1887.

Application filed September 29, 1886. Serial No. 214,825. (No model.)

To all whom it may concern:

Be it known that I, ROBERT F. NENNINGER, of Newark, Essex county, New Jersey, have invented a new and useful Improvement in
5 Coverings for Floors, Walls, Trunks, &c., of which the following is a specification.

My invention relates to a new covering for floors, walls, trunks, &c., which is designed to take the place of carpet, oil-cloth, lincrusta-
10 walton, sheet metal, leather, and the various other materials now commonly employed for the above-named purposes.

The accompanying drawing is a perspective view showing the upper layer of the compos-
15 ite material partly broken away.

My aforesaid covering consists of felt, such as is commonly used for enveloping steam-
pipes, boilers, &c., and paper.

The felt, which is shown at A, forms the
20 basis or principal portion of the covering, and to it is attached a layer of paper, B, preferably paper-pulp, which may be made from any suitable material, including straw, wood, and other vegetable substances. These two sub-
25 stances may be very intimately connected together by the interlocking of the felt fibers or hairs with the substance of the paper; and in another application for Letters Patent, Serial No. 214,826, filed simultaneously herewith, I
30 have fully described and claimed (and hence do not herein claim) a simple process for the manufacture of my aforesaid covering, where-

by this interlocking of the felted material is caused to take place.

It is advantageous to impregnate my afore- 35 said covering with any suitable waterproofing material; and while in the sheet form it may be rolled or pressed into compact sheets. Upon the paper surface ornamental designs may readily be painted, printed, or embossed. 40 Thus the material may be a substitute for oil-cloth and similar substances, over which it has the advantages of greater cheapness, less liability to wear, and of softness under foot, in which last-mentioned respect and in point of 45 warmth it is fully equal to carpet. For wall-coverings the composite material may be embossed or ornamented in manner similar to lincrusta-walton or other known plastic substances. For trunks it forms an efficient sub- 50 stitute for leather, wood, or sheet metal.

The felt employed may be entirely of hair or fur, or it may contain a proportion of mineral wool. Any kind of paper can be used provided it is tough and strong. 55

I claim—

A covering for floors, &c., composed of sheets of felt and paper, the fibers of the felt being interlocked with the paper mass, substantially as described.

ROBT. F. NENNINGER.

Witnesses:

EDGAR GOODWIN,
P. BENJAMIN.