Oct. 20, 1925. 1,557,543

A. A. ALLEN

LINOLEUM BINDING STRIP

Filed Feb. 14, 1924

Fig. 1.

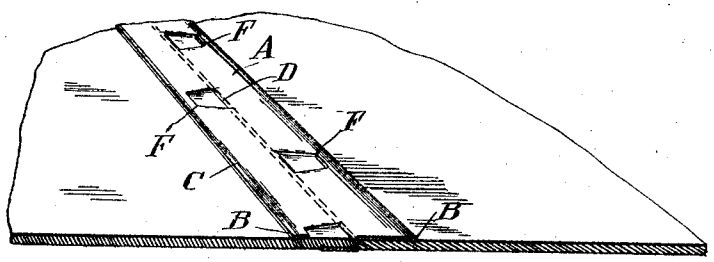


Fig. 5.

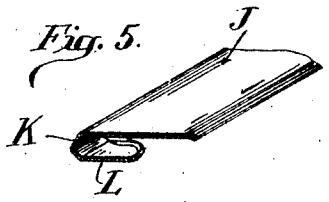


Fig. 2.

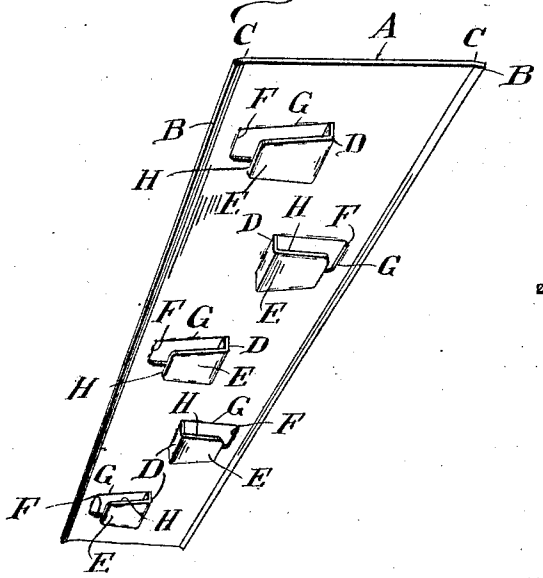


Fig. 4.

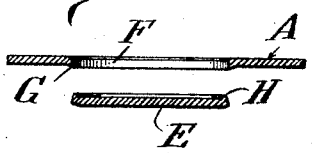
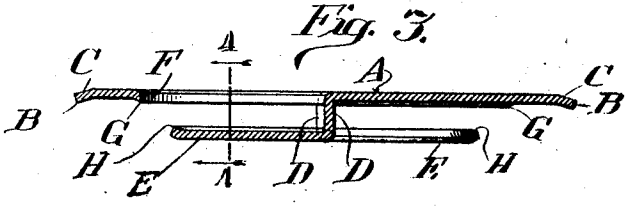


Fig. 3.



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Patented Oct. 20, 1925. 1,557,543

UNITED STATES PATENT OFFICE.

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LINOLEUM-BINDING STRIP.

Application filed February 14, 1924. Serial No. 692,650.

To all whom it may concern:

Be it known that I, ARCHIE A. ALLEN, a citizen of the United States, residing at Sturgis, in the county of St. Joseph and State of Michigan, have invented certain new and useful Improvements in Linoleum-Binding Strips, of which the following is a specification.

This invention has for its object to provide a simple, cheap and easily applicable metallic binding-strip to cover the meeting edges of contiguous strips of linoleum and similar floor coverings and bind or connect the same with each other to prevent separation thereof while protecting said edges from chipping and breaking off, it being also a purpose of the invention to provide a strip of the character set forth which is neat in appearance and very durable besides being capable of being removed and replaced in relaying old linoleum or the like or replacing old material with new.

The preferred embodiment of the invention is illustrated in the accompanying drawings, wherein:

Fig. 1 is a perspective view, partly in section, showing two abutting strips of linoleum or the like equipped with a binding-strip constructed in accordance with the invention.

Fig. 2 is a perspective view of the binding-strip, showing the lower face thereof.

Fig. 3 is a transverse section of the binding-strip.

Fig. 4 is a fragmentary longitudinal section of the same on the line 4—4 of Fig. 3.

Fig. 5 is a fragmentary perspective view of an embodiment of the invention in its adaptation to a protective border for a linoleum rug.

The binding-strip consists of a long, narrow strip A of suitable substantially non-corrosive metal, such as sheet-brass of about one-quarter hardness, the parallel side edges of said strip being very slightly bent to form almost imperceptible flanges B which, under the weight of persons stepping on the strip, or by other suitably applied pressure, become embedded in the linoleum. When so embedded, the exposed surface of the strip A presents beveled edges C which preclude possibility of catching the edges of shoe soles to thereby cause stumbling of persons walking over the floor.

Along the middle of the strip there are struck down from the bevel-edged surface thereof at regular intervals, a plurality of flanges D extending perpendicularly or substantially perpendicularly to the body of said strip and all of which are in accurate alignment with each other. Each of said flanges is equipped with a tongue E extending parallel with the body portion A of the strip, alternate tongues E being oppositely disposed and adapted to project underneath the respective abutting strips of linoleum or the like, the meeting edges of the latter being separated from each other a distance equal to the thickness of the metal of which the strip A is made.

The said flanges D and tongues E being struck out of the strip A, leave openings F in the said strip extending alternately in opposite directions from the middle thereof. In striking down said flanges D and tongues E, burred-edges G border the openings F along the lower surface of the strip and these engage in the linoleum. The edges of the tongues E are also more or less burred upwardly as at H to engage in the lower faces of the linoleum strips, but, preferably, the tongues are formed with minute, sharp edge flanges indicated by said reference character H, for engaging in the linoleum, the strips of the latter being thus held against separation by the flanges B, the burrs G and flanges H engaging therein.

The use of the binding strips obviates the necessity of nailing, this being very objectionable because of the injury to the linoleum and to the floor which it covers.

The strips A may be detached from the linoleum by exerting sufficient separating force on contiguous strips of the latter or by slightly bending down the tongues E and, if care is exercised in effecting such detachment, the strips A may be used repeatedly In Fig. 5 I have illustrated the

invention as embodied in an edge protecting strip for linoleum rugs, i. e., pieces to be laid on the floor and spaced from the walls or other pieces. It comprises the strip J of metal which corresponds to the strip A of Figs. 1 to 4 but is devoid of perforations or openings. The strip J is provided along one edge with a continuous flange K which extends angularly to the plane thereof so as to present the equivalent of a beveled edge. It is of less depth than the thickness of the linoleum and is provided along its free edge at intervals with the tongues L which are similar to the tongues E and have the burred or sharply flanged edges similar to the latter for engaging in the under face of the linoleum. The end-portions of the tongues L which connect with the flange K, are also slightly beveled so that after the strip is applied to the edge of the linoleum weight of persons or other pressure or load on the strip J will effect contraction of the space between it and the tongues L to thereby cause the latter and the free edge-portion of the strip J to bite into the linoleum and thus obtain a very firm hold on the same.

I claim as my invention:

1. A linoleum binder comprising a strip of flexible sheet metal provided along its side edges with bevel-flanges presenting sharp edge portions adapted to become embedded in the linoleum and provided with L-shaped projections between said side edges, the free end portions of said projections opposing the sharp edges of said bevel-flanges, the edge portions of abutting strips of linoleum adapted to be received between said free end portions of said projections and the body portion of said strip.

2. A linoleum binder comprising a strip of flexible sheet metal having parallel side edges and adapted to overlap the abutting edge portions of two strips of linoleum, said strip equipped on its lower face midway between its side edges with downwardly extending flanges parallel with said side edges and against opposite faces of which the opposed edges of the two linoleum strips are adapted to abut, and a projection at the lower end of each flange adapted to engage the lower face of a linoleum strip.

3. A linoleum binder comprising a strip of flexible sheet metal having parallel side edges and adapted to overlap the abutting edge portions of two strips of linoleum, said strip equipped on its lower face midway between its side edges with downwardly extending flanges parallel with said side edges and against opposite faces of which the opposed edges of the two linoleum strips are adapted to abut, and a projection at the lower end of each flange adapted to engage the lower face of a linoleum strip, said projections equipped with formations for engaging in the linoleum.

4. A linoleum binder comprising a strip of flexible sheet metal having parallel side edges and adapted to overlap the abutting edge portions of two strips of linoleum, said strip equipped on its lower face midway between its side edges with downwardly extending flanges parallel with said side edges and against opposite faces of which the opposed edges of the two linoleum strips are adapted to abut, and a projection at the lower end of each flange adapted to engage the lower face of a linoleum strip, said flanges and projections struck out of the body of the strip and thereby forming openings in the latter, there being formations bordering said openings for engaging in the linoleum.

5. A linoleum binder comprising a strip of flexible sheet metal having parallel side edges and adapted to overlap the abutting edge portions of two strips of linoleum, said strip equipped on its lower face midway between its side edges with downwardly extending flanges parallel with said side edges and against opposite faces of which the opposed edges of the two linoleum strips are adapted to abut, and a projection at the lower end of each flange adapted to engage the lower face of a linoleum strip said flanges and projections struck out of the body of the strip and thereby forming openings in the latter, there being formations bordering said openings and along the edges of said projections for engaging in the linoleum.

6. A linoleum binder comprising a strip of flexible sheet metal provided along its side edges with bevel-flanges presenting sharp edge portions adapted to become embedded in the linoleum, said strip equipped on its lower face midway between its side edges and against opposite faces of which the opposed edges of the two linoleum strips are adapted to abut, and a projection at the lower end of each flange adapted to engage the lower face of a linoleum strip, said projections equipped with formations for engaging in the linoleum.

7. A linoleum binder comprising a strip of flexible sheet metal provided along its side edges with bevel-flanges presenting sharp edge portions adapted to become embedded in the linoleum, said strip equipped on its lower face midway between its side edges with downwardly extending flanges parallel with said side edges and against opposite faces of which the opposed edges of the two linoleum strips are adapted to abut, and a projection at the lower end of each flange adapted to engage the lower face of a linoleum strip for engaging in the linoleum.

8. A linoleum binder comprising a strip of flexible sheet metal provided along its side edges with bevel-flanges presenting

sharp edge portions adapted to become embedded in the linoleum, said strip equipped on its lower face midway between its side edges with downwardly extending flanges parallel with said side edges and against opposite faces of which the opposed edges of the two linoleum strips are adapted to abut, and a projection at the lower end of each flange adapted to engage the lower face of a linoleum strip and along the edges of said projections for engaging in the linoleum.

ARCHIE A. ALLEN.