July 25, 1933. L. GALTIERI 1,919,629

STAIR TREAD

Filed May 29, 1930

Fig. 1.

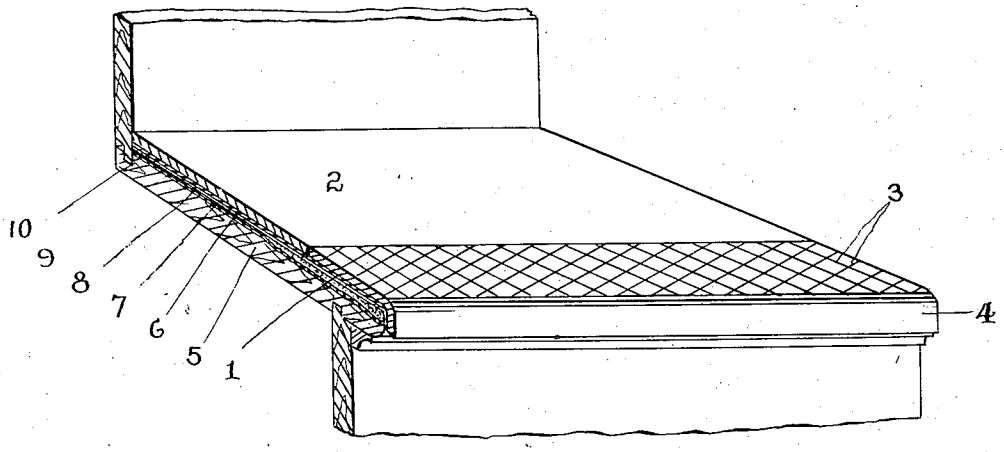
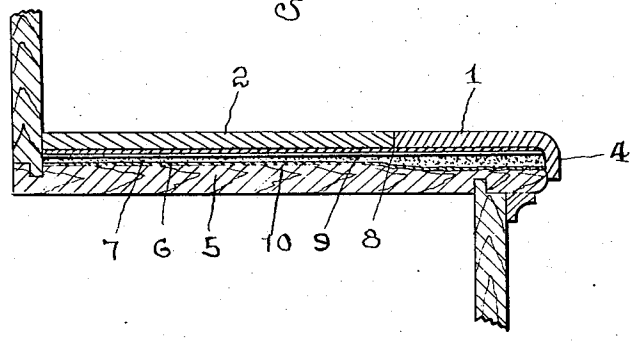


Fig. 2.



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UNITED STATES PATENT OFFICE

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STAIR TREAD

Application filed May 29, 1930. Serial No. 456,903.

My invention relates to improvements in stair treads.

An object of my invention is to provide a safe and durable tread; a further object of my invention is to provide means for conveniently repairing and replacing worn treads; and a further object of my invention is to provide a stair tread of attractive appearance.

I accomplish these and other objects by my invention, a preferred embodiment of which is illustrated in the accompanying drawing, in which

Figure 1 is a perspective view of a stair tread embodying my invention, and

Figure 2 is a cross section thereof.

Similar characters of reference refer to similar parts throughout the several views.

My improved tread may be laid on either new or old stairs and steps and is adapted for use in stairs constructed of marble, slate, wood, concrete, iron, steel or other material.

My improved tread surface comprises a forward edge section 1 and a rearward section 2. The forward edge section 1 is preferably constructed of feralum, alumalum, bronzalum, or other abrasive material, having ribs or ridges 3 formed in its upper surface, and having its forward edge section 4 bent over to form a front edge for the step. The rearward section 2 of the tread is preferably formed of heavy linoleum.

The tread is preferably laid in the following described manner;

Upon the surface of the step 5 which may be of any suitable material, is laid a coating of waterproofing paste or plastic composition 6 upon which I preferably lay a mixture of concrete or the like 7.

This layer 7 should be of sufficient thickness to form a firm foundation for the upper layers and should be so laid as to fill all irregular and uneven portions of the step and should be brought to a substantially smooth, even surface. When sufficiently set and hardened there is applied to the surface a coating of waterproofing paste 8 on which is placed a layer of unsaturated deadening felt 9 of approximately one-eighth of an inch in thickness and weighing approximately one and one-half pounds per square yard. There is then applied to the surface of the felt a coating of waterproofing paste 10. Upon the foundation thus formed, there is laid, at the rear portion of the step, the above mentioned surface of linoleum 2, and at the front portion, the above mentioned section of abrasive material 1.

When treated in the manner above described, it will be found that a stair tread badly worn or of uneven surface will be restored to a condition equal to a new tread and worn treads may be renewed and replaced as may be required.

Having thus described my invention what I claim is:

1. A device of the character described, comprising in combination, a tread support, a coat of adhesive material thereon and surfacing said support, a water-proof cement imposed thereon, an adhesive material surfacing said cement, a stratum of felt thereon, a coating of water-proof adhesive material on said felt, a surfacing of linoleum thereon and adhered thereto and forming the rear portion of the tread surface of said structure, and a wear resisting abrasive plate disposed to form the nose portion and a part of the tread surface of said structure.

2. A device of the character described comprising a stair tread support, an adhesive surfacing material thereon, a stratum of water-proof cement coating said adhesive material, an adhesive material surfacing said stratum of cement, a stratum of felt thereon, an adhesive material surfacing said stratum of felt, a surfacing of linoleum arranged to form the rear tread portion of said structure and disposed on the last mentioned adhesive coating, and an integral metal face plate forming the nose portion and a part of the tread surface of said structure.

3. A device of the character described comprising a stair tread support, an adhesive surfacing material thereon, a stratum of water-proof cement coating said adhesive material, an adhesive material surfacing said stratum of cement, a stratum of felt thereon, an adhesive material surfacing said stratum of felt, a surfacing of linoleum arranged to form the rear tread portion of said structure and disposed on the last mentioned adhesive coating, and an integral metal face plate forming the nose portion and a part of the tread surface of said structure, said several layers of material being secured together by adhesion alone.

LOUIS GALTIERI.