Sept. 5, 1933. C. E. REISS 1,925,734

FLOOR MAT

Filed July 6, 1931

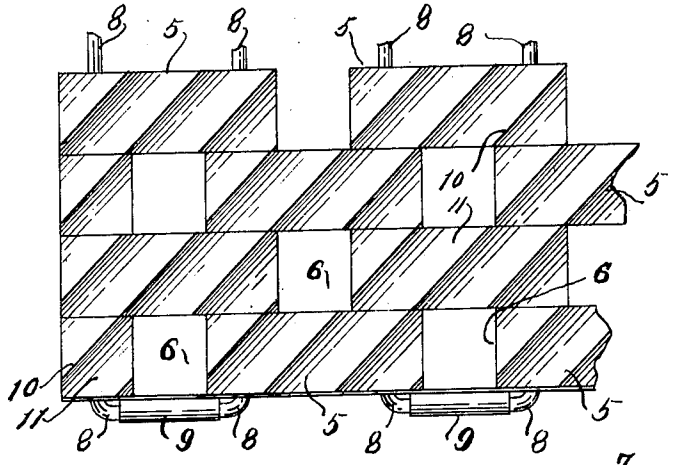


FIG 1

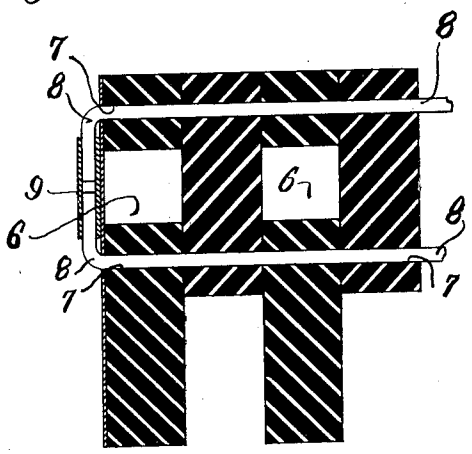


FIG 2

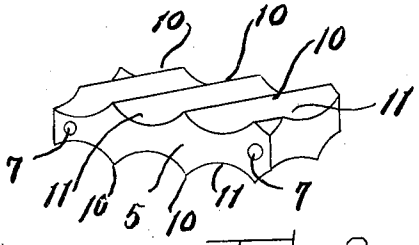


FIG 3

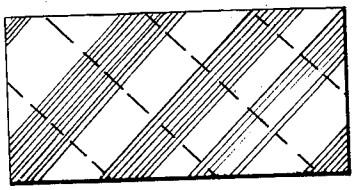


FIG 4.

CLIFFORD E REISS
INVENTOR

BY F. E. Shannon
ATTORNEY

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FLOOR MAT

Clifford E. Reiss, Cuyahoga Falls, Ohio

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3 Claims. (Cl. 15—239)

This invention relates to floor mats of the type composed of alternately arranged links connected by wires and has for its object the provision of a mat of simple construction, which may be manufactured at a relatively low cost and which will be very efficient in use.

Objects of the invention are to provide a rubber link of simple, durable construction which can be easily manufactured and a plurality of the same conveniently assembled to form a mat which will not become clogged in ordinary use and which will present a wearing face on both sides thereof whereby either face can be placed uppermost and used with equal facility.

Another object is to provide a mat link having ribs and grooves on the supporting and wearing faces thereof with the ribs and grooves on one side disposed transversely to the ribs and grooves on the other end to thereby provide a mat link of light weight which will possess efficient cushioning properties and which will be well ventilated on the under side thereof and present a self cleaning surface on the wearing face thereof.

Other objects and advantages will be made apparent in the following description taken in connection with the accompanying drawing wherein I have shown a preferred form of the invention, it being understood that changes and modifications may be made or resort had to substitutions which come within the scope of the claims hereunto appended.

Referring now to the drawing:

Figure 1 is a plan view of a portion of a mat constructed in accordance with this invention,

Figure 2 is a horizontal sectional view of same,

Figure 3 is a perspective view of one of the links employed in carrying out the invention,

Figure 4 is a plan view of same showing by dotted lines the position of the ribs and grooves on the opposite side thereof.

A mat constructed in accordance with this invention is composed of a plurality of rows of rectangular links or blocks 5. The blocks 5 in each row being spaced apart to provide a space 6.

The blocks 5 in each row are arranged in alternating relation to the blocks 5 in the adjacent rows whereby the blocks in one row overlap the abutting blocks in the other rows. Each block 5 is provided adjacent each end thereof with a horizontal bore 7. The blocks are arranged as shown in Figures 1 and 2, with the bores 7 in axial alinement. A rod or wire 8 is entered in the alined bores of the overlapping blocks to hingedly connect the blocks 5 in the form of a mat. The wires 8 are arranged in pairs with the ends turned at a right angle and secured in a tube 9 at each side of the mat.

Each block 5 is provided on each side thereof with a plurality of diagonally disposed spaced, parallel ribs 10 having grooves 11 therebetween. The ribs 10 and grooves 11 on one side of each block are transversely disposed relative to the ribs and grooves on the other side thereof.

It will be seen that Figure 3 also represents a view of the other side of the block when the same is turned upwardly without turning the block end to end.

The ribs 10 and the grooves 11 are arranged to coincide with similar ribs 10 and grooves 11 on the abutting links in the adjacent rows. As the ribs 10 on the underside of each link 5 is disposed at substantially a right angle to the ribs 10 on the upper side of each block 5, each rib is supported at intervals and any weight which is placed on said mat will be borne by the relatively sharp ribs 10 on the under side thereof.

It will thus be seen that I have provided a mat which may be used to scrape mud or dirt from shoes by either a longitudinal or transverse wiping movement. As the ribs 10 are disposed diagonally across the upper face of the mat, a wiping movement in either direction will cause the mud or other substance to be carried into the openings 6 thereby providing a mat having grooves 11 which will not readily become clogged with dirt. Each block 5 is composed of relatively hard, elastic rubber thereby providing a highly efficient mat of great strength and durability.

Having thus illustrated my invention and described the same in detail, what I claim as new and desire to secure by Letters Patent is:—

1. In a floor mat, a plurality of rows of rectangular rubber blocks, the blocks in each row being spaced apart and arranged in alternating relation to the blocks in the adjacent row, with the end portion of each block in lateral contact with the portion of a like block in the adjacent row, each block provided on one face thereof with obliquely arranged, parallel ribs, the ribs on each block disposed in alinement with the ribs on the obliquely alined blocks in the other rows and means pivotally connecting the end portions of said blocks.

2. In a link for a floor mat, a rubber block having obliquely arranged ribs on the upper and lower faces thereof, the ribs on one of said faces being transversely disposed to the ribs on the other face thereof.

3. In a link for a floor mat, a rubber block having obliquely arranged, parallel ribs and grooves on one face thereof.

CLIFFORD E. REISS.