Sept. 1, 1931. J. G. VICHE 1,821,734

TOE BOARD

Filed Nov. 18, 1929

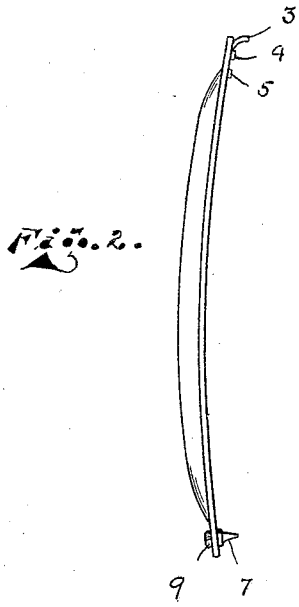


Fig. 2.

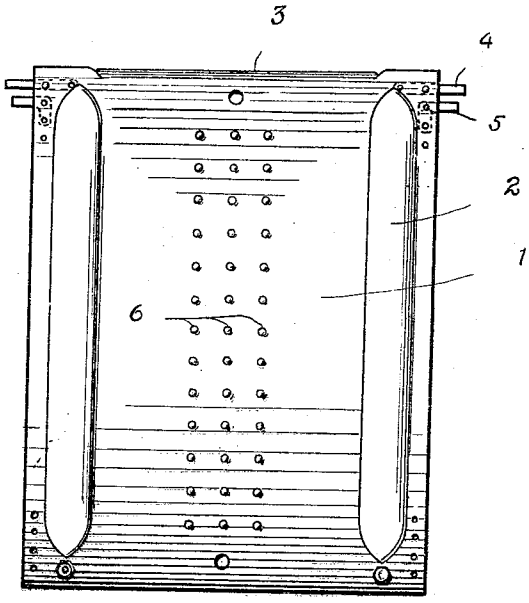


Fig. 1.

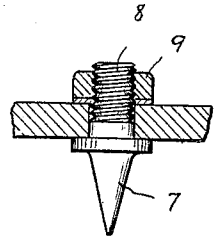


Fig. 3.

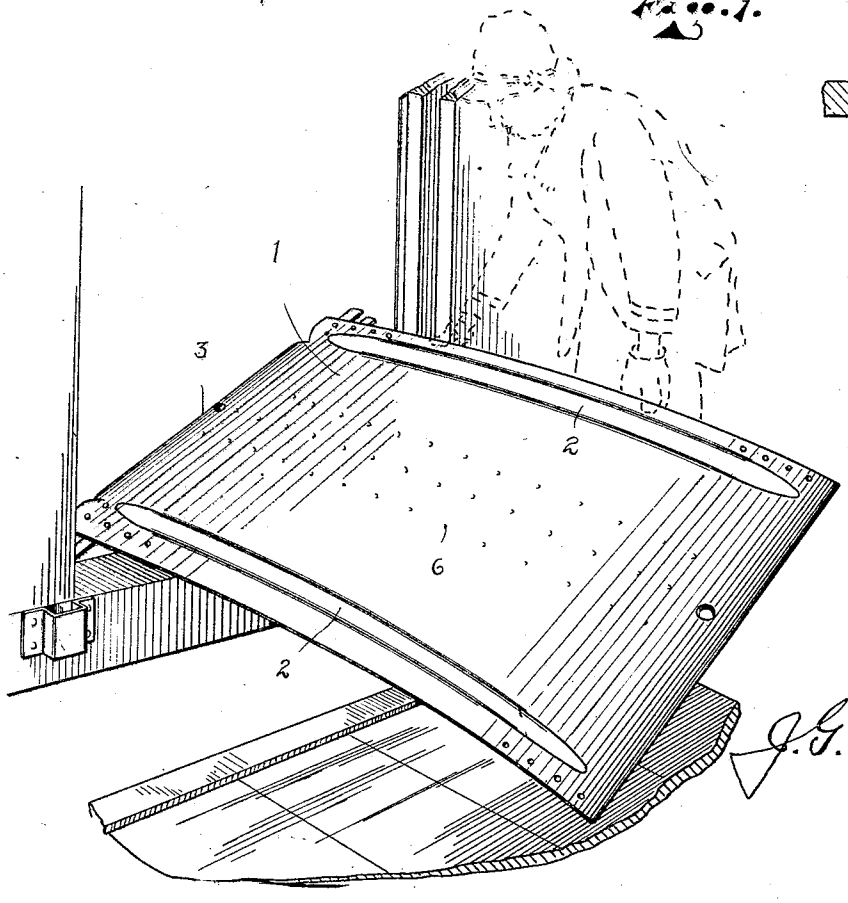


Fig. 4.

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Patented Sept. 1, 1931 1,821,734

UNITED STATES PATENT OFFICE

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TOE BOARD

Application filed November 18, 1929. Serial No. 407,905.

This invention relates to toe boards and has special reference to one used in connection with the manual transportation of merchandise on trucks to or from railroad cars or the like and warehouses.

The principal object is to provide a more practical and efficient toe board than heretofore known, and my present invention resides particularly in improvements upon a somewhat similar device patented to me May 11th, 1915, No. 1,139,240.

Other objects and advantages of the invention will appear in the following description thereof.

Referring now to the accompanying drawings, forming part of this application, and wherein like reference characters indicate like parts:

Figure 1 is a top plan view of one of the improved toe boards;

Figure 2 is a side elevation of same;

Figure 3 is an enlarged transverse section through one of the anti-slip calks; and

Figure 4 is a perspective view illustrating the operation of the device.

The toe board 1 is made of sheet metal and of upwardly arched form in respect to its normal use, having an upwardly pressed concavo-convex rib adjacent each side thereof for reinforcing same as well as forming a guide to the hand trucks passing thereover, which, however, is old in the art. The novel features of the device are first the forming of an arcuately shaped depressed lip 3 upon one end of the board for the purpose of overlapping and holding engagement with for example the edge of a steel truck, or threshold of a car to overcome the danger of the toe board slipping backwardly off the edge of the vehicle upon which it is used.

As a further protection against such danger, and in the event of the board forming a communication with a vehicle not having such sharp edge adjacent the threshold thereof, I have provided a pair of laterally projecting lugs 4 and 5 at the two corners of one end of the board; these lugs being spaced a suitable distance apart to be engaged one upon either side of the steel door frame frequently found upon steel trucks. In the absence of such form of door frame these lugs may act as a bar against backward slipping by but one being employed upon each corner, as the same may be attached to the board by bolts and thereby any of them removed when desired.

As a novel anti-slipping feature in the passage of truck operators over the board, I have shown a plurality of rows of upwardly pressed projections 6 which are found very effective in the use of the device.

As a further convenient form of anti-slipping members in respect to the dangerous moving of the board at the opposite end to that previously described, I have illustrated adjacent the corners thereof removable calks indicated at 7; they being integral and having screw-threaded shanks 8 which are held in place in suitable holes in the toe board by the nuts 9, and thus being readily removable when desired.

While somewhat similarly shaped calks are shown in the four corners of the device illustrated in my former patent, these are novel in that they are removable and of wholly different construction.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:

1. The combination with a toe board of the class described having a series of holes adjacent either corner thereof, of a pair of lugs selectively attachable to any of said series of holes for temporary interlocking engagement with stationary means adjacent the passageway at which the toe board is used, said lugs being in the same plane, or in a plane substantially parallel to the plane of the toe board.

2. The combination with a toe board of the type described having a series of holes adjacent either corner thereof, of laterally projecting holding lugs adjustably mounted in the holes in the opposite corners of one end thereof, said lugs being in the same plane, or in a plane substantially parallel to the plane of the toe board.

3. The combination with a toe board having a series of holes adjacent either corner thereof, of adjustable laterally projecting

spaced holding lugs mounted within the holes in the opposite corners of one end thereof, and calks in the holes at the other corners thereof, said lugs being in the same plane, or in a plane substantially parallel to the plane of the toe board.

In testimony whereof I affix my signature.

JOSEPH G. VICHE.