

Dec. 16, 1930.

M. E. BOSLEY

1,785,476

WEATHER STRIP

Filed Oct. 25, 1928

Fig. 1

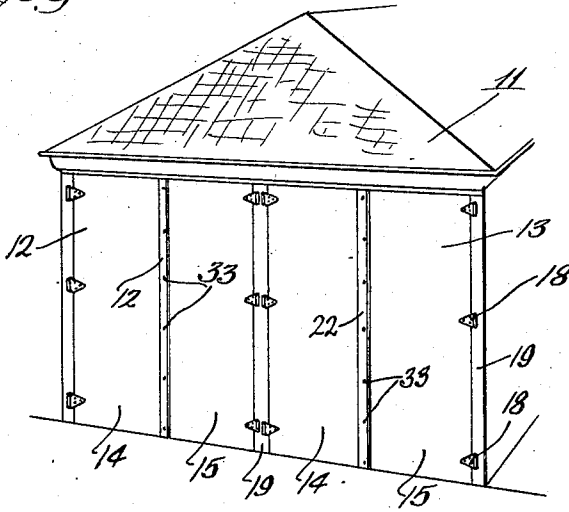


Fig. 3

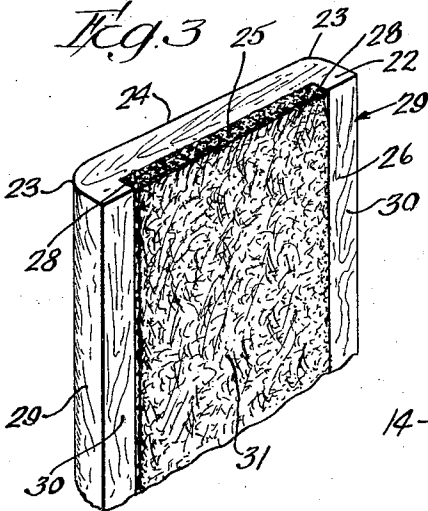
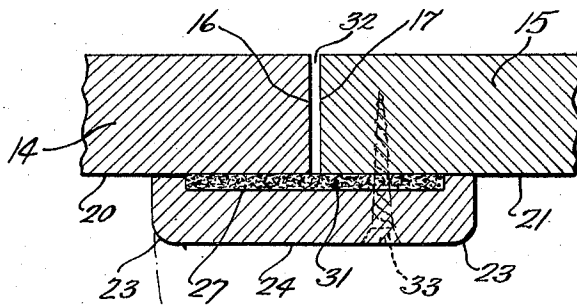


Fig. 2



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UNITED STATES PATENT OFFICE

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WEATHER STRIP

Application filed October 25, 1928. Serial No. 314,917.

The object of this invention is to provide a simple, efficient and economical weatherstripping that may be readily attached to closures, such as garage doors, and which, when in position will afford adequate protection to the interior of the building from admission of air through the joints between the doors.

Numerous other objects and advantages of the invention will be apparent as it is better understood from the following description, which, taken in connection with the accompanying drawings, discloses a preferred embodiment thereof.

In the drawings:

Figure 1 is a fragmentary perspective view of a garage showing one application of a weatherstripping constructed in accordance with the invention;

Fig. 2 is a horizontal section taken through the adjacent end portion of a pair of doors showing the mode of application of the weatherstripping to one of the doors; and

Fig. 3 is a fragmentary perspective view of the weatherstripping.

The illustrative weatherstripping has an important application to doors of garages because of its cheapness, its ready application and its peculiar adaptability to protect the joint at the meeting edges of a pair of swinging doors. In Fig. 1 of the drawings, there is shown schematically a garage 11, the front of which is provided with two pairs 12 and 13, each comprising the two swinging doors 14 and 15, the free ends or vertical edges 16 and 17 of which meet substantially at the center of the respective door openings. The opposite vertical edges of the doors are connected by hinges 18, of any ordinary type, to the door framework 19. The illustrative garage provides for each storage room a pair of doors which swing outwardly in respect of the door opening; hence, the weatherstripping is applied to the outer surfaces 20 and 21 of the adjacent free vertical edges 16 and 17 of a pair of doors. Of course, the invention is not limited in its useful application to outwardly swinging garage doors, but is usable in all situations in which inexpensive, effective weatherstripping may be employed

to protect against drafts, the joints between relatively movable closure parts.

The illustrative weatherstripping is shown in detail in Figs. 2 and 3. It embodies a holder strip 22 made in any convenient length so as to be capable of being cut into sections commensurate with the dimensions of the parts to be protected. It is preferable to construct the holder 22 of a strip of wood or other material which may be easily cut. This holder 22 consists of a flat strip of a width sufficient to project across the joint between the parts to be protected and to allow sufficient area in juxtaposition with one of the parts to permit the attachment of the weatherstripping thereto. If desired, the vertical corners 23 of the outer face 24 of the holder may be rounded, or beveled, to provide a finish for the outer surface of the holder, and also to eliminate sharp corners that may effect possible injury to the person operating the doors. The holder 22 may be made from an ordinary door batten strip of substantially greater width than its thickness, such as commonly is employed for bridging the gap between double doors.

The holder strip 22 is recessed longitudinally at 25 to receive a packing 31 of felt or other suitable material. The recess 25 is of channel form and is so proportioned and located that its sides 28 are located inwardly of the side edges 29 of the holder strip 22 a substantial distance to provide sturdy side retaining walls 30. The depth of the recess 25 is shallow, arranging the outer face of the packing outwardly of the faces 26 of the walls 30.

One mode of application of the weatherstripping is illustrated in Figs. 1 and 2. As shown, the weatherstripping is cut into a length corresponding with the length of the doors to be protected. It is then positioned so as to bridge the joint 32 between the pair of doors 15 and is then applied to one of the doors by the use of nails or screws 33 by which it is secured at intervals, for example, to the outer face 21 of a door 15. So applied, the insulating packing 31 engages and is compressed against both doors 14 and 15 adjacent their edges 16 and 17 at the joint 32 and

thus entirely covers the joint 32 from top to bottom of both doors, and at the same time the weatherstripping offers no impediment to the operation of the doors in opening or closing.

5 It is thought that the invention and many of its attendant advantages will be understood from the foregoing description, and it will be apparent that various changes may be
10 made in the form, construction and arrangement of the parts without departing from the spirit and scope of the invention or sacrificing all of its material advantages, the form here-
15 inbefore described being merely a preferred embodiment thereof. Moreover, it is not indispensable that all features of the invention be used conjointly, as they may be advantageously employed in various sub-combinations and other combinations.

20 I claim:

1. The combination with a pair of double doors having adjacent free edges, of a weatherstripping therefor, including, a door batten strip applied to one of the doors and
25 having a recess let into its inner surface facing said doors, and an insulating packing retained in the recess of said strip and extending across the gap between said doors and in engagement with the door surfaces adjacent
30 said free edges.

2. The combination with relatively movable closure parts, of a weatherstripping therefor, including a holder strip secured to the movable closure part adjacent the free
35 edge thereof and having a recess located at its inner surface facing the movable part, and an insulating packing retained in said recess with its inner face projecting beyond the inner face of the holder strip and compressible
40 against the surfaces of the relatively movable parts adjacent the joint to close said joint when the parts are in relatively closed position.

3. The combination with a pair of relatively movable parts of the character described, of a weatherstrip therefor, including a holder strip secured to one of the said parts and bridging the joint therebetween, said
45 holder strip supporting an insulating packing which likewise bridges said joint and engages the contiguous surfaces of the relatively movable parts in the region of the joint to close the joint when said parts are in relatively closed position.

55 4. The combination with a pair of swinging doors having adjacent free edges, of a weatherstrip comprising a holder strip secured adjacent the free edge of one of said doors and having a recess located in its surface adjacent said doors, and a resilient packing retained in said recess with its inner surface projecting outside of the recess, said
60 holder strip, said recess, and said packing being arranged to bridge between said doors,

and said packing being compressible against the outer surfaces of the doors to make a weatherproof joint between said doors upon closing thereof.

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