

No. 724,726.

PATENTED APR. 7, 1903.

S. E. MOORE.
WEATHER STRIP.

APPLICATION FILED FEB. 9, 1903.

NO MODEL.

Fig. 1.

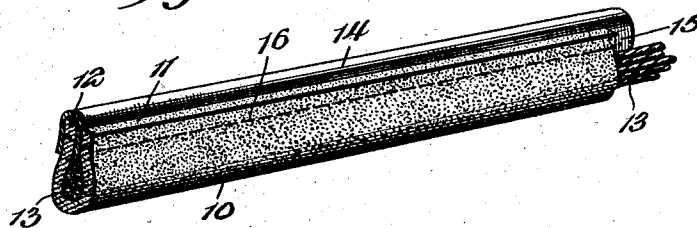


Fig. 2.

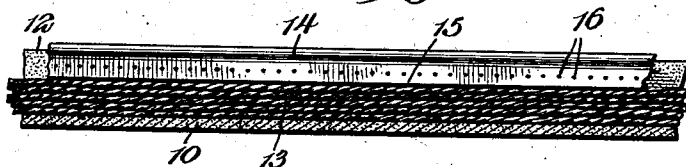


Fig. 3.

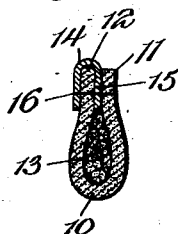


Fig. 4.

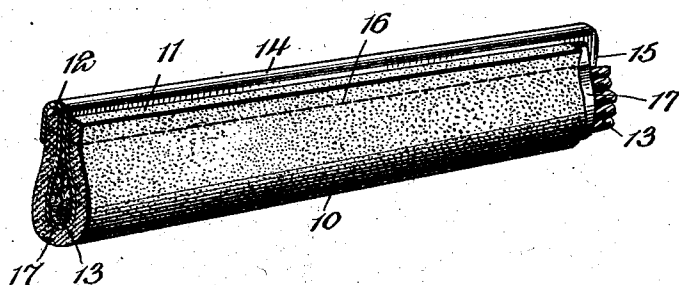
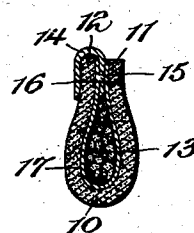


Fig. 5.



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UNITED STATES PATENT OFFICE.

SOLON E. MOORE, OF PUTNAM, CONNECTICUT.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 724,726, dated April 7, 1903.

Application filed February 9, 1903. Serial No. 142,626. (No model.)

To all whom it may concern:

Be it known that I, SOLON E. MOORE, a citizen of the United States, residing at Putnam, in the county of Windham and State of Connecticut, have invented a new and useful Weather-Strip, of which the following is a specification.

The present invention relates to weather-strips of the character disclosed in a prior patent granted to me on June 26, 1900, No. 652,400.

It is the object to improve on the construction set forth in said patent by providing a structure which has a better cushioning effect, can be manufactured more easily and with less waste, and is as durable as that heretofore described and claimed.

Two forms of the invention are illustrated in the accompanying drawings, wherein—

Figure 1 is a perspective view of one form. Fig. 2 is a longitudinal sectional view through the same. Fig. 3 is a cross-section. Fig. 4 is a perspective view of a slightly-modified form of construction, and Fig. 5 is a cross-sectional view through the same.

Similar reference-numerals indicate corresponding parts in all the figures of the drawings.

In the embodiment illustrated in the first three figures of the drawings a buffer-strip 10 is employed, which is preferably formed of felt and is doubled upon itself, so that its edges 11 and 12 are substantially alined. This buffer-strip incloses a compressible filling 13, which may be of any desired material, that shown being longitudinally-disposed cords. A binder-strip 14 incloses one edge of the buffer-strip, leaving the other edge exposed, one portion 15 of this binder-strip being located between the edges of the buffer-strip. The various overlapping edges thus formed are secured together by fastening means in the form of stitching 16. The structure illustrated in Figs. 4 and 5 is substantially the same as that above described, with the exception that a lining-sheet 17 of paper is arranged within the buffer-strip and incloses the compressible filling. One edge of this lining-sheet is inclosed by the binder-strip, the other edge being located exteriorly thereof, and the stitching is passed through said edges.

There are many decided advantages for this structure. In the first place the filling prevents the buffer-strip becoming flattened, and thus serves to provide a better cushion. By having the binder-strip surrounding one edge only of the buffer-strip a better bead is provided for the fastening-tacks, and, furthermore, the heads of these tacks will be covered by the exposed edge of the buffer-strip. This construction can also be more easily manufactured than that illustrated in my former patent. In that structure the binder-strip covered both edges of the buffer-strip. As the felt varies in thickness and the thick portions come together when the strip is doubled, it very often is difficult, if not impossible, to bind both. The result has been that these places not being properly bound had to be cut out, causing considerable waste. In the present structure there are no such defective places, as the binder-strip will always properly cover one edge and can be secured. At the same time this strip constitutes a strong bead or lip through which the fastening devices are passed.

From the foregoing it is thought that the construction, operation, and many advantages of the herein-described invention will be apparent to those skilled in the art without further description, and it will be understood that various changes in the size, shape, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a weather-strip, a flexible buffer-strip doubled upon itself, and a binder-strip inclosing but one edge of the buffer-strip, leaving the other edge exposed.

2. In a weather-strip, a flexible buffer-strip doubled upon itself, a binder-strip inclosing but one edge of the buffer-strip and having one of its edges located between the edges of the buffer-strip, and fastening means passing through the several edges to secure them together.

3. In a weather-strip, a flexible buffer-strip doubled upon itself, a compressible filling inclosed by the buffer-strip, a binder-strip in-

closing but one edge of the buffer-strip and having one of its edges located between the edges of the buffer-strip, and stitching passing through the several edges to secure them together.

5 4. In a weather-strip, a flexible buffer-strip doubled upon itself, a lining-sheet arranged within the buffer-strip, a compressible filling inclosed by the buffer-strip and lining-sheet,
10 a binder-strip surrounding one edge of the buffer-strip and lining-sheet and having one of its edges located between the edges of the buffer-strip and lining-sheet, and stitching passing through the several edges to secure
15 them together.

5. In a weather-strip, a felt buffer-strip

doubled upon itself, a compressible filling located within the same, a fabric binder-strip having one edge arranged between the edges of the buffer-strip, said binder-strip inclos- 20 ing one edge of the buffer-strip, leaving the other exposed, and a line of stitching passing through the several overlapping edges to secure them together.

In testimony that I claim the foregoing as 25 my own I have hereto affixed my signature in the presence of two witnesses.

SOLON E. MOORE.

Witnesses:

FREDERICK W. SEWARD,
HERBERT H. FLAGG.