July 20, 1926. 1,592,923

S. D. BUTTERWORTH

CARPET SECURING DEVICE

Filed July 17, 1924 2 Sheets-Sheet 1

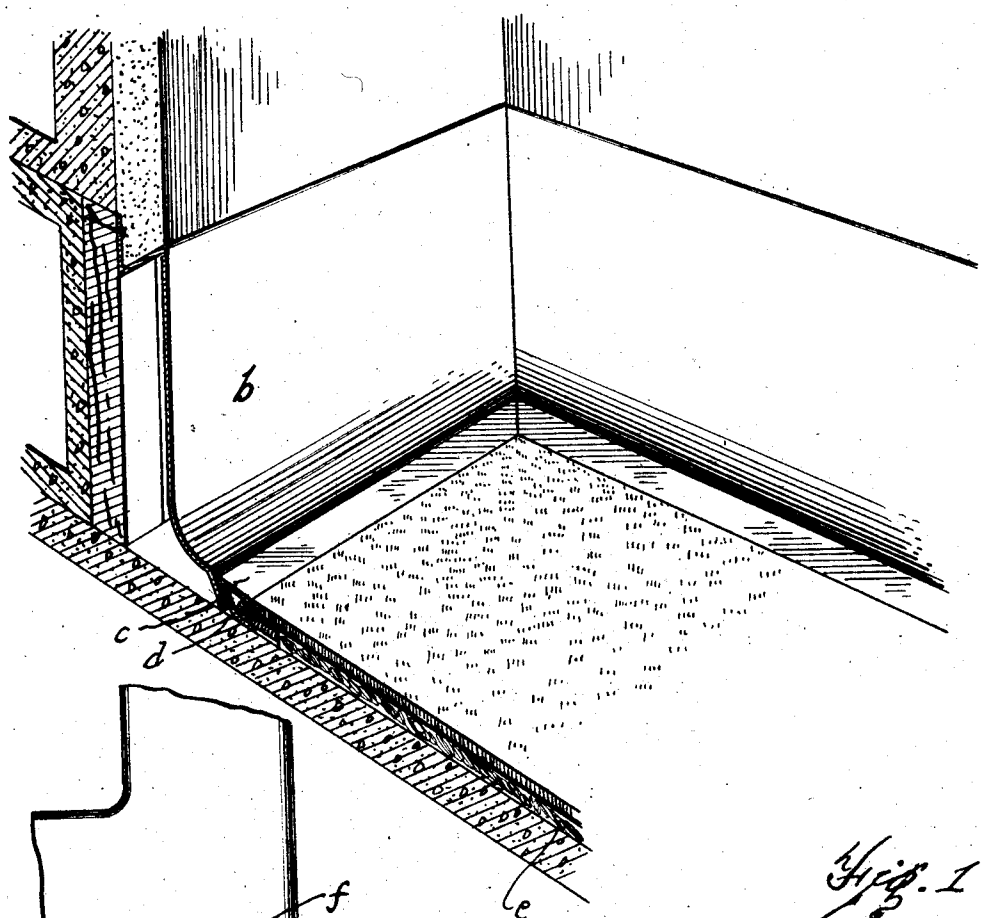


Fig. 1

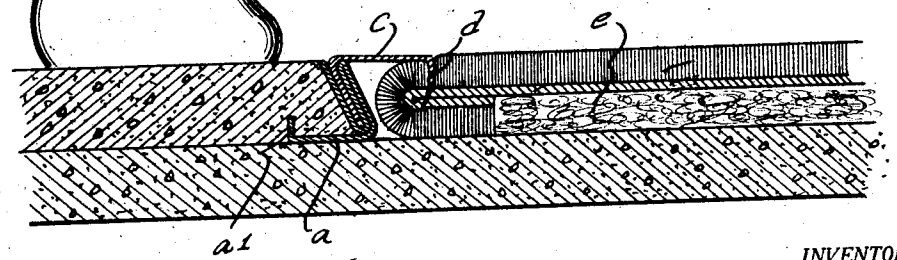


Fig. 2

INVENTOR.
Samuel D. Butterworth
BY
Stuart C. Barnes
ATTORNEY.

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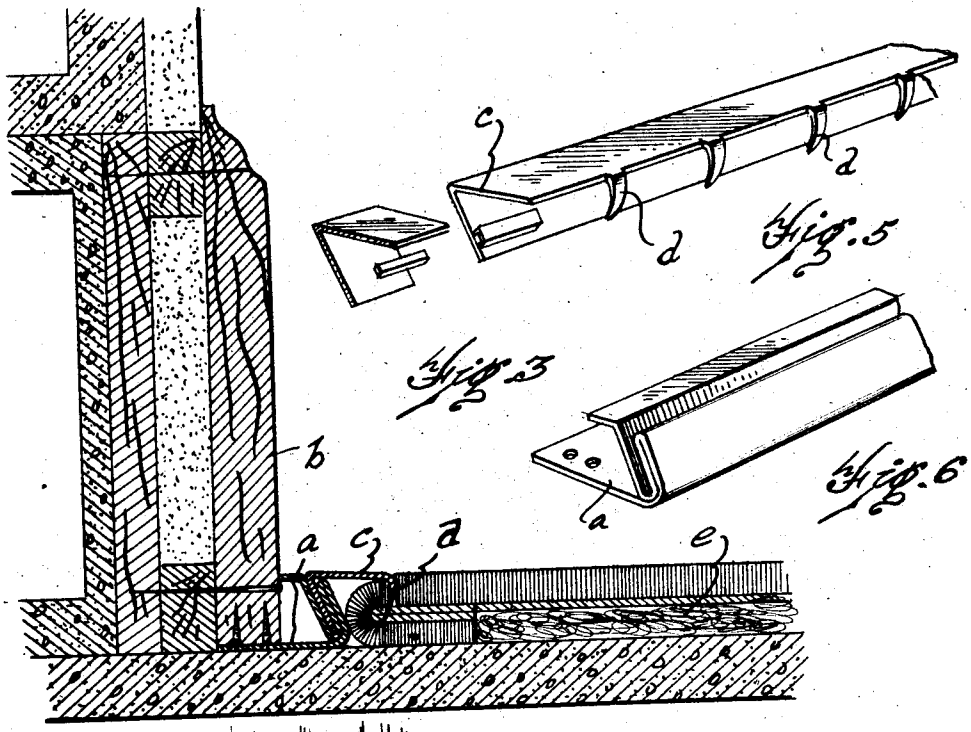


Fig. 3

Fig. 5

Fig. 6

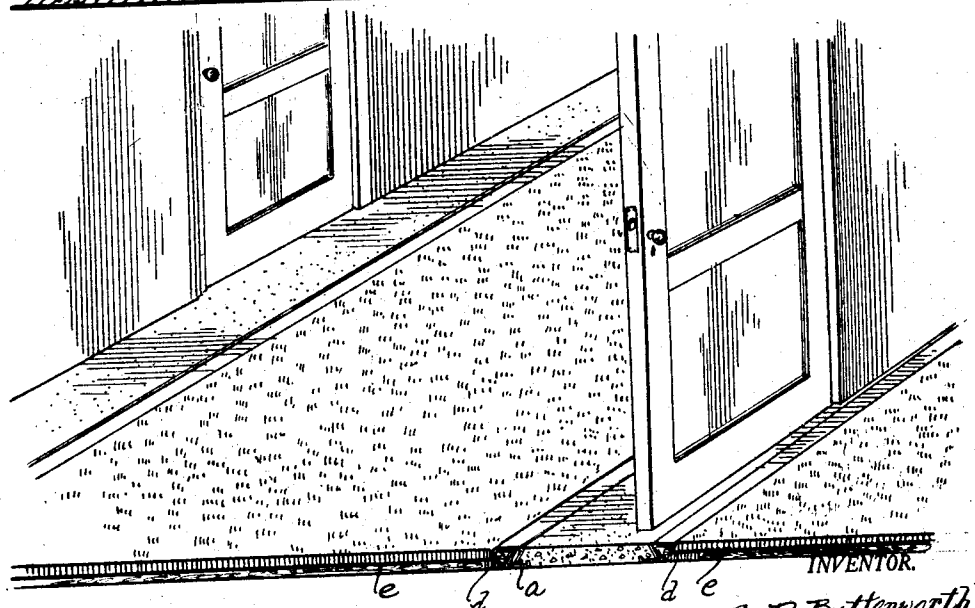


Fig. 4

INVENTOR.
Samuel D. Butterworth
BY
Stuart C. Barnes
ATTORNEY.

Patented July 20, 1926. 1,592,923

UNITED STATES PATENT OFFICE.

SAMUEL D. BUTTERWORTH, OF LANSING, MICHIGAN.

CARPET-SECURING DEVICE.

Application filed July 17, 1924. Serial No. 726,583.

This invention relates to carpet securing means and has for its object a carpet securing device which may in part be imbedded in a concrete floor construction, or may be part of the baseboard, and is especially useful in connection with the concrete floor portions used around radiators and thresholds, or in halls. It can be impaled in the edge of the carpet and the edge of the concrete or baseboard. It is especially valuable as it forms a metal corner piece to protect the edge of the concrete from chipping.

In the drawings:

Fig. 1 is a perspective view partly in section showing the fastening device in connection with a sanitary cove baseboard.

Fig. 2 shows the fastening device used in connection with the concrete floor border such as used around radiators.

Fig. 3 shows the invention applied to a wood baseboard.

Fig. 4 shows the invention applied in an hotel and especially in the corridor.

Fig. 5 is a perspective of the carpet impaling-angle strip.

Fig. 6 is a fragmentary perspective of the anchoring strip which is a piece of strip metal folded upon itself to form a web *a* which may be nailed to the bottom of the baseboard as shown in Fig. 3, or may be provided with a small turned up flange a^1, laid so as to be imbedded in the concrete floor as shown in Fig. 2.

A somewhat different modification is shown in Fig. 1, where the web turns out under the carpet mat and the rear wall of the anchoring groove continues up as part of the sanitary cove baseboard *b*. However, in all forms of this anchoring strip there is provided a backwardly-leaning deep and narrow groove. This backward leaning is away from the carpet, and in connection with the acutely angular impaling strip *c* forms a dovetail groove and tongue engagement.

The angle strip *c* has a plurality of prongs *d* struck out of the stock and turned over; these may be impaled in the carpet as shown in the several figures, the carpet being first folded over to get the proper length and the proper thickness to the outside of the carpet mat *e*. It will be obvious that in order to insert the flange of the angle strip in the backwardly leaning groove, it will be necessary to somewhat stretch the carpet, but after the angle strip has been driven down in the groove, this stretching action will be somewhat relieved. Obviously in order to release the angle strip from the groove, the carpet has again got to be stretched, consequently the tension of the carpet will securely lock the angle strip in the groove and prevent it from getting out.

This form of carpet securing device is indeed very useful, especially in connection with concrete flooring at the borders, as for instance, in hotel corridors, as shown in Fig. 4, or at thresholds or around radiators as shown in Fig. 2, where *f* designates a part of the radiator.

The anchoring strip will be laid by the contractor whether it is part of the baseboard or part of the concrete, and it is preferable to ship this with the groove filled up as with cardboard, or something of the kind, to prevent plaster dropping in it, before the carpet is laid. The angle strips are furnished to the carpet-man who impales them in the edge of the carpet and stretches the carpet and anchors it in the strips. Not only does this arrangement furnish an ideal protection to concrete edges, but is also more or less of a protection to the carpet edges. Furthermore, it permits overly-large carpet to be fitted to the room without trimming, which might be necessary when other securing means are employed.

What I claim is:

1. A carpet securing device, comprising a continuous anchoring strip arranged to anchor into a building element and form a facing or moulding element therefor, and a continuous carpet gripping element arranged to be fastened into the top of the edge of the carpet and engaging over the edge of the carpet, said gripping element arranged to lie flush with said carpet and locked into the anchoring strip.

2. A carpet securing device, comprising a continuous strip arranged to be fastened to a building element and face the same, and a continuous carpet gripping strip arranged to be fastened to the carpet over the edge to furnish an edge binding lying in the plane of the carpet and to lock into the anchoring strip by stretching the carpet and thereby putting the carpet under tension to prevent its release.

3. A carpet securing device, comprising a continuous anchoring strip arranged to be secured to a building element and act as a

finishing strip therefor in the plane of the carpet, and a continuous carpet impaling strip provided with prongs that may be hooked into the carpet from the top to engage the strip over the edge of the carpet and which may be locked into the anchoring strip under tension provided by the carpet to prevent its release.

4. A carpet securing device, comprising a continuous strip which may be secured to a building element and serve as a finishing strip therefor, and provided with a three-ply fold to form a narrow backwardly leaning groove, and a continuous impaling strip that may be secured to the carpet and which may be held in the backwardly leaning groove by the tension of the carpet.

5. A carpet securing device, comprising a continuous sheet metal folded strip forming an anchoring member having a three-ply fold forming a narrow backwardly leaning groove, and a continuous angle strip provided with means for gripping the top of the carpet, one of the flanges of the angle being arranged to lock into the backwardly leaning groove and to be held therein by the tension of the carpet.

6. A carpet securing device, comprising a continuous sheet metal folded strip provided with a backwardly inclined narrow groove, and a carpet securing strip comprising a continuous sheet metal angle strip, having one flange which can be fastened to the carpet over the edge and the other which may be locked into the groove of the anchoring strip to hold the carpet to the anchoring strip.

7. A carpet securing device, comprising a continuous sheet metal strip folded back upon itself to form a web that may be secured to a building element, and a groove that is relatively deep and narrow, and a continuous angle strip forming a facing edge in the plane of the carpet and provided on one flange with prongs that may be impaled into the top of the carpet and having the other flange arranged to be locked into the deep and narrow groove by the tension of the carpet.

8. A carpet securing device, comprising a folded strip provided with a web that may be secured to a building element and provided with a deep and narrow backwardly leaning groove, and an acutely angular continuous sheet metal impaling strip having one flange provided with impaling prongs for locking the strip over the edge of the carpet and having the other flange arranged to lock into the deep and narrow groove, and to be held therein by the tension of the carpet.

In testimony whereof I have affixed my signature.

SAMUEL D. BUTTERWORTH.