

G. W. DEATRICH, SR.
STAIR CARPET FASTENER.
APPLICATION FILED APR. 11, 1911.

1,033,678.

Patented July 23, 1912.

Fig. 1.

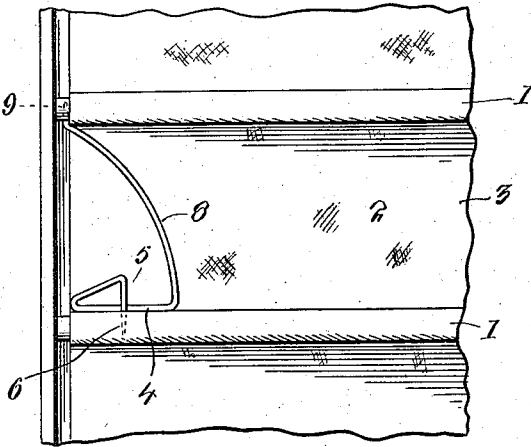


Fig. 2.

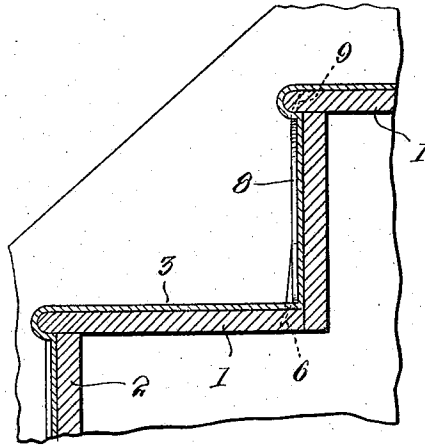


Fig. 3.

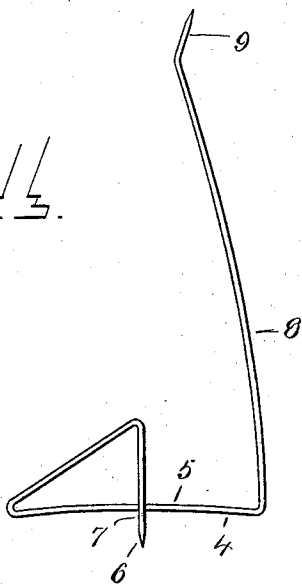


Fig. 4.

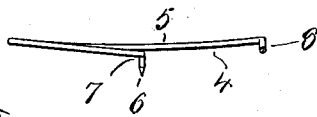


Fig. 5.



Witnesses

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STAIR-CARPET FASTENER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE W. DEATRICH, Sr., a citizen of the United States, residing at Schuylkill Haven, in the county of Schuylkill and State of Pennsylvania, have invented new and useful Improvements in Stair-Carpet Fasteners, of which the following is a specification.

This invention relates to stair carpet fasteners, and one of the principal objects of the invention is the provision of a simple and efficient device of this character which may be cheaply constructed and which is conveniently applied or detached.

A further object of the invention is the provision of a device of this character constructed of a single strand of spring wire and in such a manner that the carpet will be bound firmly to the tread and to the riser.

Further objects of the invention will appear as the following specific description is read in connection with the accompanying drawing, which forms a part of this application, and in which:—

Figure 1 is a front elevation of a single step showing one of the devices applied thereto. Fig. 2 is a sectional view through the step showing one of the devices in side elevation. Fig. 3 is a detail front elevation of one of the devices removed from the stair. Fig. 4 is a horizontal section through the device showing the base of the same in top plan view. Fig. 5 is a detail edge elevation.

Referring more particularly to the drawing, 1 represents the tread of a stair, 2 the riser thereof and 3 the carpet extending over the riser and tread.

The carpet 3 is secured to the tread and riser by means of a pair of fastening devices arranged at opposite sides of the step, only one of which is shown herewith. Each of these devices is constructed of a single strand of spring wire whose base portion 4 is bent upwardly and outwardly, as shown at 5, to produce a tread and riser bearing, as will hereinafter be described. One end of the base is bent back upon itself lying at an angle thereto and the terminal end of this bent back portion extends down across the base in the form of a penetrating prong 6

which is shown slightly offset, as at 7. The opposite end of the base is bent upwardly in the form of a long spring arm 8 which is curved outwardly and has its upper end bent at an obtuse angle. The terminal end of the obtusely bent portion is bent into a penetrating prong or point 9.

In applying each of the devices the penetrating prong 6 is passed through the carpet and pressed or driven into the tread, while the prong is in vertical position and its body angularly offset from the riser. The arm 8 is then forced over toward the riser and then bent downwardly so as to bring the prong 9 beneath the overhang of the tread, the spring in the arm serving to hold the prong 6 and the base in engagement with the tread and riser. When the arm is forced back toward the riser the prong will be arranged at an angle to the riser and the body of the prong or the portion which is bent across the base will lie parallel with the riser. This action will also carry the ends of the base into tight engagement with the riser and the curve in the arm causes the same to engage the riser throughout all of its length, thus binding the carpet firmly thereto.

Having thus described the invention, what I claim as new is:—

A stair carpet fastener comprising a single strand of wire bent to provide an offset base, one end of said base being bent back upon itself, the bent portion lying at an angle to the base and extending across the same and forming a penetrating prong, an elongated spring arm integral with the opposite end of the base and arranged at an angle thereto and in a direction reverse to that of the bent end of the base, the upper end of said spring being bent at an obtuse angle and formed to provide a penetrating prong, said prongs being adapted to penetrate a carpet and engage the upper and lower surfaces of the lower and upper stair treads respectively.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. DEATRICH, SR.

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