

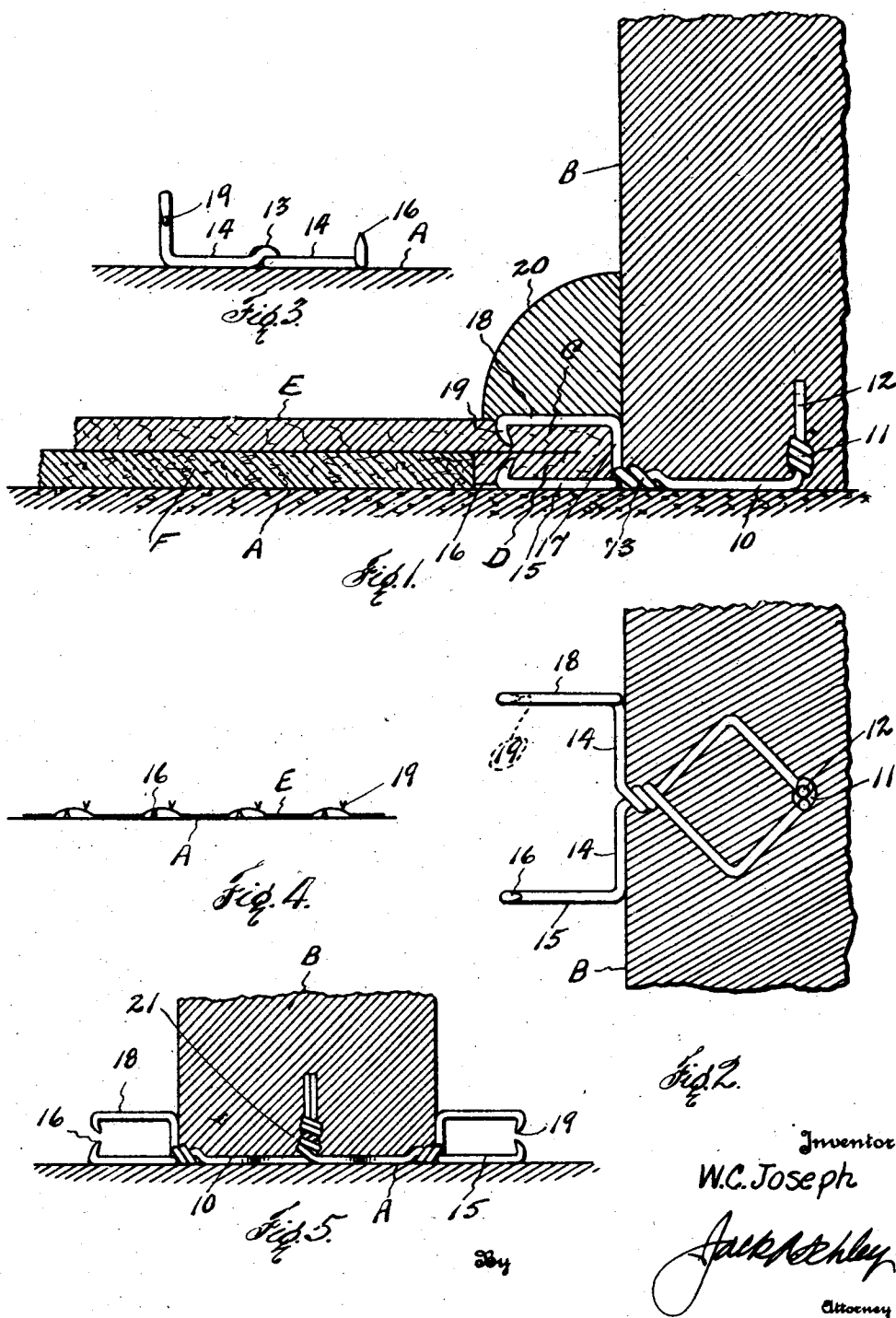
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FASTENING DEVICE FOR FLOOR COVERINGS

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FASTENING DEVICE FOR FLOOR COVERINGS.

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This invention relates to new and useful improvements in fastening devices for floor coverings.

The object of the invention is to provide a fastening device for use in connection with concrete or other floors into which nails can not be driven, for securing carpets and rugs in place in a ready and expeditious manner.

Another object of the invention is to provide means for fastening the edges of a floor covering so that they would be substantially flush with the side walls of the room and while securely held may be readily removed.

A particular object of the invention is to provide a fastening device which may be secured in place without the use of wooden strips or the equivalent, and which will be economical and simple in construction and operation.

A construction designed to carry out the invention will be hereinafter described, together with other features of the invention.

The invention will be more readily understood from a reading of the following specification and by reference to the accompanying drawings, in which an example of the invention is shown and wherein:

Fig. 1 is a section view showing a portion of the floor and side wall of a room with a rug secured in place, in accordance with my invention,

Fig. 2 is a view showing one of the fastening devices in plan and the side wall in cross section,

Fig. 3 is a front elevation of the fastening device,

Fig. 4 is a diagrammatical view indicating the method of inserting or removing the floor covering from the fastening device, and

Fig. 5 is a view similar to Fig. 1, but reduced in size and showing a double form of fastening device.

In the drawings the numeral 10 designates the head of a fastening device, which device is preferably formed of two pieces of spring wire twisted together. The head is given a diamond shape in the drawings and it is obvious that it may assume any desirable shape. The ends of the wires are twisted together at 11 and bent upwardly to form an upstanding lug 12 at one end of the head. At the other end of the head the wires are twisted together at 13 and bent at right-angles in opposite directions to form shanks 14.

From one of the shanks an arm 15 is bent outwardly at right-angles to said shank and

in the same horizontal plane therewith. The extreme outer end of the arm 15 is bent upwardly and reduced to a point to form a prong 16.

At the outer end of the other shank 14 the wire is bent upwardly to form a post or standard 17 and is then bent outwardly to form an arm 18 substantially parallel to the arm 15 and of the same length as said arm 15. The outer end of the arm 18 is bent downwardly and reduced to a point to form a prong 19. By observing Fig. 1, it will be seen that the prongs are directed inwardly toward the shanks 14. As is clearly shown in Figs. 2, 3 and 4 the arms and their prongs are spaced apart.

In applying the fastening devices they are placed on the floor A of the building at proper intervals with their portions 10, 11, 12 and 13 imbedded in the side wall B, the devices being placed, of course, before the wall is built, although it would be possible to dig out the wall and cement the fasteners in place. The devices are placed so that the shanks 14 and the posts 17 are substantially flush and in contact with the surface of the wall B. The post 17 is high enough to elevate the arm 18 a sufficient height so that the edge portion C and the hem D of a rug E may be snugly received between the arms 15 and 18. In laying carpets and rugs on concrete floors it is customary to place a padding F under the rug, as is shown in Fig. 1.

By spacing the arms 15 and 18 apart the portions C and D of the rug could be threaded through the fasteners, as is indicated in Fig. 4. In doing this the corner of the rug would first be passed under the arm 18 and prong 19 and then over the arm 15 and prong 16 of one of the devices and then passed on to the next device and likewise threaded until the rug was in place. If necessary sufficient clearance could be left between the arms 15 and 18 to make the threading easy and the arm 18 could then be bent downward to clinch the rug. It would also be possible to convolute the rug into the position shown in Fig. 4 and then push it in a direction parallel to the arms so that the portions C and D would enter between the prongs 16 and 19. If desired a base mold 20 can be fastened to the side wall to conceal the fasteners.

In Fig. 5 I have shown a double form of fastening device for use on both sides of a wall. This device is substantially the same in its individual parts, except that instead of

a twist 11 and the lug 12 the wire is folded upon itself at this point and twisted as indicated at 21.

It is obvious that the fastening device could
5 be made of materials other than wire and that the essential feature is the arms arranged at different elevations with prongs directed toward each other for engaging in the top and
10 bottom surfaces of the rug together with suitable means for anchoring the fastening device.

It has been pointed out that one of the objects of the invention is to provide a fastening device which may be secured in place
15 without the use of wooden strips and reference is made to the wooden strips usually embedded in walls or floors; however, the fastening device may be used in any manner in which it is found practical to do so.

20 Various changes in the size and shape of the different parts, as well as modification and alterations, may be made within the scope of the appended claims.

What I claim, is:

25 1. A fastening device for floor coverings comprising, a head for permanently anchoring the device on a floor of the character described, and a pair of arms relatively spaced one above the other and having prongs directed
30 toward each other for receiving a floor covering therebetween, said arms being

spaced laterally from each other so that the edge of the floor covering may be threaded therebetween.

2. A fastening device for floor coverings 35 comprising, a head for permanently anchoring the device on a floor of the character described, a pair of oppositely directed shanks attached to the head, arms carried by the shanks, one of said arms being elevated above 40 the other, and prongs carried by the arms and directed toward each other.

3. A fastening device for floor coverings comprising, a head for imbedding in a side 45 wall, and a pair of arms directed from the head for positioning on a floor of the character described, one of said arms being in a plane to rest upon a floor and the other arm being in a plane above the floor, each arm having a prong for engaging a floor covering. 50

4. As an article of manufacture, a fastening device for floor coverings comprising, wire members twisted together to form an open head, divergent shanks extending from the head, an arm bent from one of the shanks, 55 an upright post bent from the other shank and an additional arm bent from the post, the arms having their outer ends provided with prongs directed toward each other.

In testimony whereof I affix my signature.

WILLIAM C. JOSEPH.