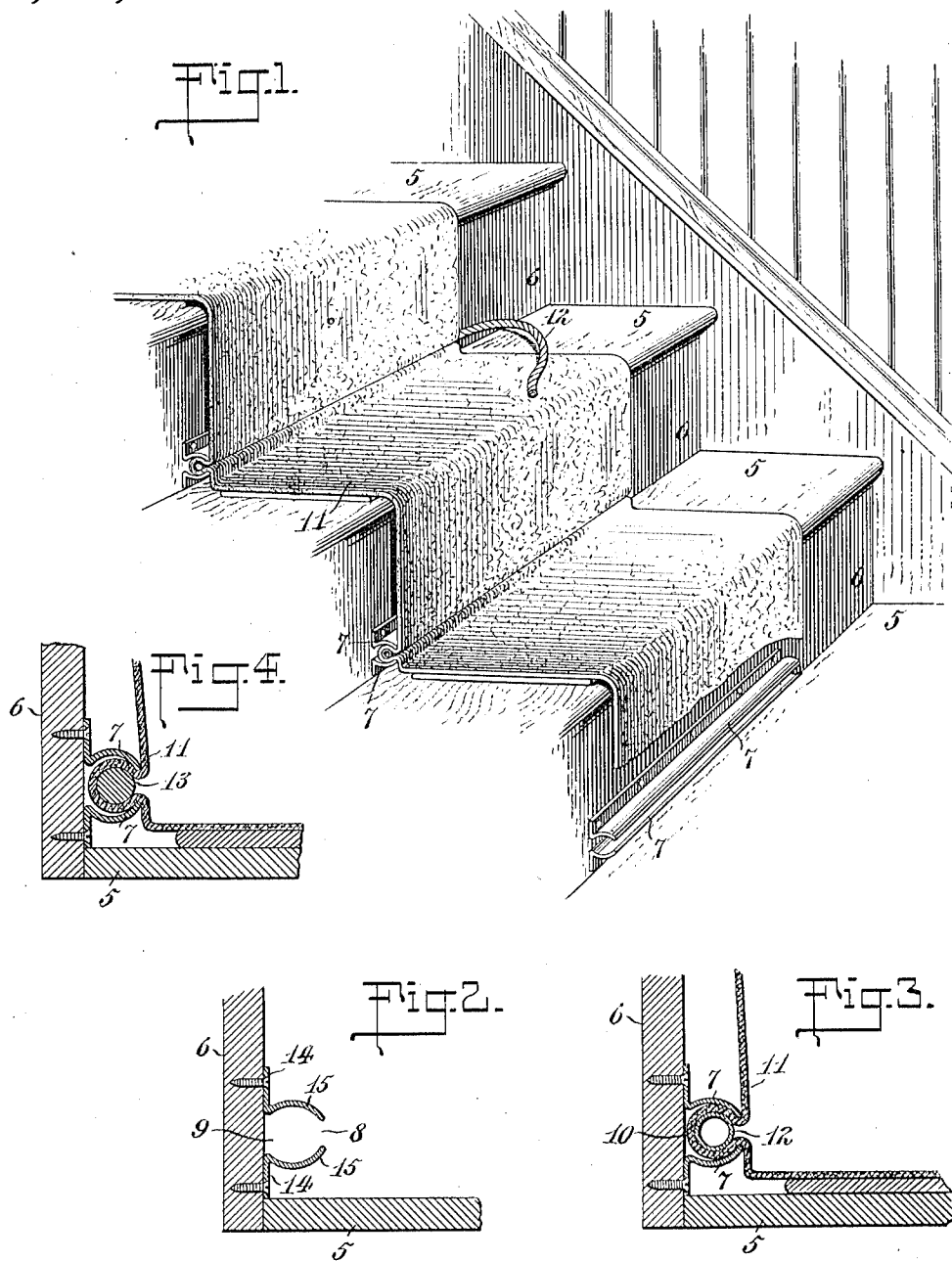


J. D. GALLAGHER.
STAIR CARPET FASTENER.
APPLICATION FILED JUNE 26, 1911.

1,040,661.

Patented Oct. 8, 1912.



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STAIR-CARPET FASTENER.

1,040,661.

Specification of Letters Patent.

Patented Oct. 8, 1912.

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To all whom it may concern:

Be it known that I, JOSEPH D. GALLAGHER, a citizen of the United States, and a resident of Glen Ridge, in the county of Essex and State of New Jersey, have made and invented certain new and useful Improvements in Stair-Carpet Fasteners, of which the following is a specification.

My invention relates to fasteners for stair carpets of the type wherein loops or folds formed in the carpet are secured in clasps located adjacent the rear of the treads and lower portions of the risers of the stairs, the object being to provide an improved stair carpet fastener of the type referred to.

In the accompanying drawing wherein the preferred embodiment of my invention is illustrated: Figure 1 is a view showing a portion of a flight of stairs with a carpet secured in place by means of my improved fasteners; Fig. 2 is a view showing a section of a tread and riser, with clips wherein a fold of the carpet may be secured; Fig. 3 is a similar view showing a fold of a carpet held in place by means of my improved fastener, and; Fig. 4 is a view similar to Fig. 3, but showing a slightly modified form of my fastener.

Referring to the drawing, 5 are the treads, 6 the risers of a flight of stairs, and 7 two clips located in the angle formed by a tread and riser, the outer ends of which approach close to one another to thereby form a long narrow slot 8 opening into an enlarged inner recess 9 as shown, and which clips form a clasping member designed to receive folds 10 formed in the stair carpet 11, as best shown in Figs. 3 and 4 of the drawing.

In laying the carpet the loops 10 are formed and pushed through the opening or slot 8 into the enlarged internal recess 9 inclosed by the clips 7, after which a flexible securing member comprising a tube 12 or a rod 13 is pushed into the loop thus expanding it to such an extent that it may not pull out through the slot, as will be understood from Figs. 3 and 4.

The tube 12 and rod 13 being flexible as stated, may be bent and worked into place within the loop in positions where there is but little room, and in cases where it would be impossible to use straight inflexible rods because of lack of room, such as is commonly the case in box or inclosed stairs and

such as is frequently the case with winding or spiral stairs; the flexible member being bent, as shown in Fig. 1, to bring its free end in line with the loop in the carpet, and straightened as the end thereof is forced along the loop, as will be understood. My improved fastener is also of advantage in the case of stairs open at one side and having a balustrade, as in such instance, a supporting stringer, or a casing secured thereto, frequently so extends above the risers as to obstruct the angle between the same and the treads. In such cases the flexible member may be bent and worked into place, first having been inserted from either the wall side of the stairs or the open side, as will be readily understood.

The flexible securing member may be of various forms, and may be made in one or a plurality of sections, this latter form being particularly advantageous where said flexible member is to be inserted from each side of the carpet, or where the space available is unusually limited. In Figs. 1 and 3, it is shown as a piece of flexible tubing, while in Fig. 4 the flexible member is shown solid, in which case it may be made of a rubber composition, or of lead or similar soft metal, it being necessary only that it be sufficiently flexible to accomplish the purposes for which it is intended.

The diameter of the securing member should obviously be such that when it is in place within a loop the same will be prevented from pulling through the slot; the said securing member being ordinarily for purposes of greater security, somewhat greater in diameter than the width of the slot 8. The clasping member is preferably formed from two similar clips, having a base portion 14 and a curved clasping portion 15 as shown in Fig. 2, as a simple and cheap form of clasping member is thereby procured, the sections of the clasping member being cut from a single bar of metal rolled or otherwise shaped into the necessary form.

Having thus described and explained my invention, I claim and desire to secure by Letters Patent:

1. A stair carpet fastener comprising a clasping member having a long narrow slot through which a fold of the carpet may be passed, and a flexible securing member adapted to lie within the fold of the carpet

and back of said slot, whereby the securing member may be used in box stairs or in a limited space.

2. The combination with a clasping member having a long narrow slot and an enlarged internal recess, of a flexible securing member greater in diameter than the width of said slot and adapted to lie within said internal recess, whereby the securing member may be used in box stairs or in a limited space.

3. A stair carpet fastener comprising two clips having projecting clasping portions arranged adjacent one another, the free ends of which provide a long narrow slot through which a fold of the carpet may be passed, and a flexible securing member adapted to lie within the fold of the carpet between said clips to thereby retain the loop of the carpet in place, whereby the securing member may be used in box stairs or in a limited space.

4. The combination with a clasping member formed from two clips separate from one another and each comprising a base portion and a curved clasping portion, said curved clasping portions being arranged adjacent one another to thereby provide an enlarged internal recess, the free ends of which clasping portions provide a long narrow slot; of a flexible securing member greater in diameter than the width of said slot, and adapted to lie within said internal recess, whereby the securing member may be used in box stairs or in a limited space.

Signed at New York, borough of Manhattan, in the county of New York, and State of New York, this 21st day of June, A. D. 1911.

JOSEPH D. GALLAGHER.

Witnesses:

A. V. WALSH,
H. M. WHITE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."