

W. NICE, JR.
STAIR CARPET FASTENER.
APPLICATION FILED FEB. 18, 1909.

953,433.

Patented Mar. 29, 1910.

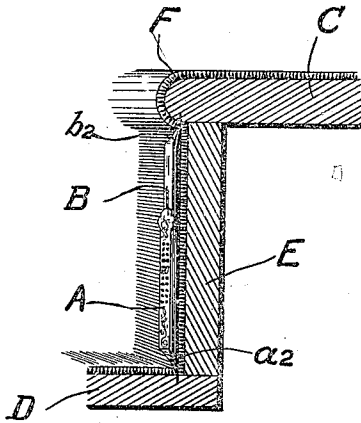


FIG. 1.

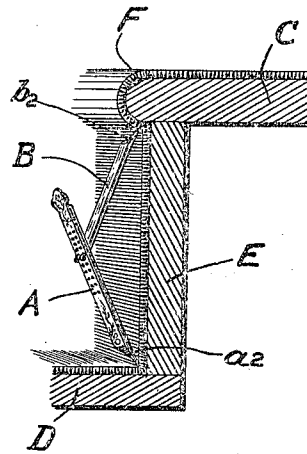


FIG. 2.

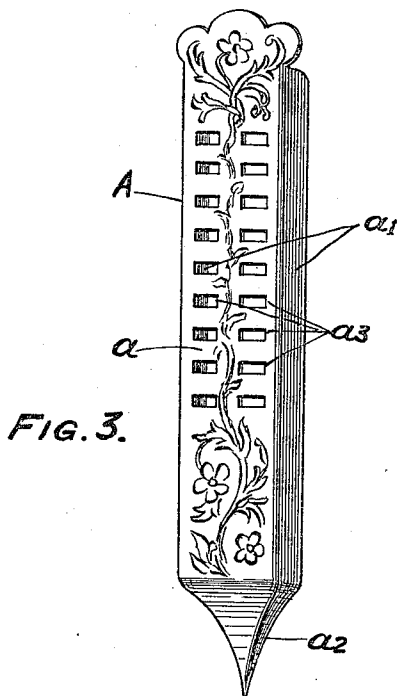


FIG. 3.

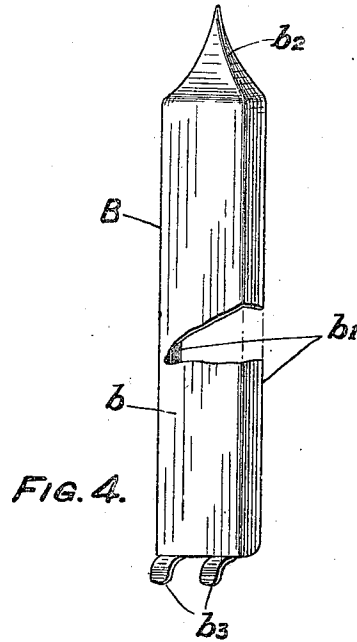


FIG. 4.

WITNESSES:

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WILLIAM NICE, JR., OF OGONTZ, PENNSYLVANIA.

STAIR-CARPET FASTENER.

953,433.

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Application filed February 18, 1909. Serial No. 478,611.

To all whom it may concern:

Be it known that I, WILLIAM NICE, JR., a citizen of the United States, residing at Ogontz, in the county of Montgomery and State of Pennsylvania, have invented certain Improvements in Stair-Carpet Fasteners, of which the following is a specification.

My invention is a stair-carpet fastener comprising two struts each integrally formed with a prong adapted to pass through the carpet into a stair tread close to the riser, one of the struts having apertures spaced along its body between side flanges and the other having on its body between side flanges, adapted to lie within the side flanges first named, one or more lugs adapted to engage the apertures.

The fastener is adapted to be formed from sheet metal wholly by pressure or die work. It is simple, strong, efficient and inexpensive.

The characteristic construction of my invention is disclosed in the following description and the accompanying drawings in illustration thereof.

In the drawings, Figure 1 is a perspective view representing my invention applied to its intended use; Fig. 2 is a perspective view representing the mode of applying the device; Fig. 3 is a perspective view of the outer strut, and Fig. 4 is a perspective view of the inner strut, part being broken away for better illustration.

The strut A comprises the body a , the strengthening side flanges a^1 extending substantially at right angles to the body, the engaging prong a^2 drawn in from the body and sides so that its point lies substantially in the plane of the edges of the flanges, and the apertures a^3 spaced along the body symmetrically with relation to the center line thereof.

The strut B comprises the body b , the strengthening side flanges b^1 extending substantially at right angles to the body, the engaging prong b^2 drawn in from the body and sides with its point drawn substantially into the plane of the edges of the flanges, and on the end of the body opposite the point the lugs or hooks b^3 which are sprung outwardly into a plane substantially parallel to that of the body.

The apertures a^3 are adapted for receiving

the lugs b^3 and the flanges a^1 for receiving between them in close fitting relation the flanges b^1 so that in cross sectional relation the body B lies within the body A and sufficient strength is provided to prevent buckling of the assembled parts in either direction.

The stair treads C and D with the riser E between them has thereon the carpet F which is held in position by the struts A and B, the prong a^2 passing through the carpet into the top of the lower tread close to the riser and the prong b^2 passing through the carpet into the bottom of the upper tread close to the riser. As the points of the prongs lie substantially in the plane of the edges of the flanges which bear against the riser, they can be placed close to the riser when the struts are engaged in angular relation, as shown in Fig. 2, with the lugs in the apertures which will give the desired length when the struts are forced from the angular to the straight position against the riser, as shown in Fig. 1. The prongs, moreover, are strengthened by having the ends of the flanges drawn thereinto. With the point disposed in the usual manner, riveted or otherwise formed on the body well back from the bearing edges of the flanges and without bracing, it is bent and frequently broken when the struts are forced in to their final position against the riser.

Having described my invention, I claim:

1. In a stair-carpet fastener, a pair of engaging struts each having a body with flanges thereon and a prong formed by drawing to a point the metal of said body and flanges, the point on each strut being approximately in the plane of the edges of the flanges.

2. In a stair carpet-fastener, a pair of engaging struts each formed of a single piece of sheet metal with a body having flanges and a prong thereon, each prong being drawn to a point from the metal of the body and side flanges of the strut on which it is formed.

In witness whereof I have hereunto set my name this 13th day of February, 1909, in the presence of the subscribing witnesses.

WM. NICE, JR.

Witnesses:

ROBERT JAMES EARLEY,
JOS. G. DENNY, Jr.