

(No Model.)

M. T. J. OCHS.
STAIR CARPET FASTENER.

No. 548,452.

Patented Oct. 22, 1895.

Fig. 1,

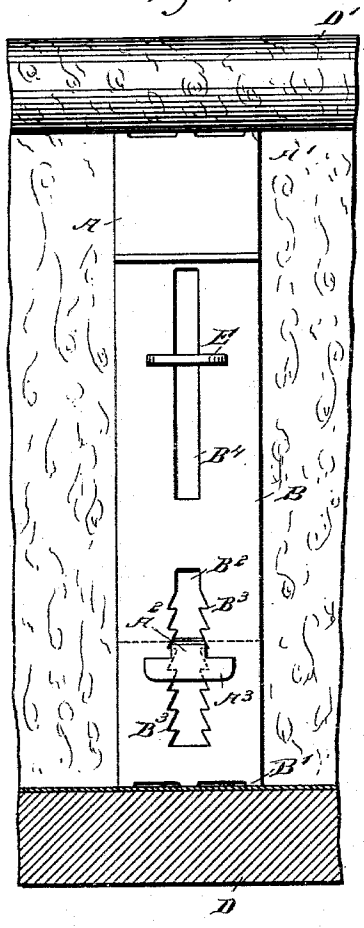


Fig. 2,

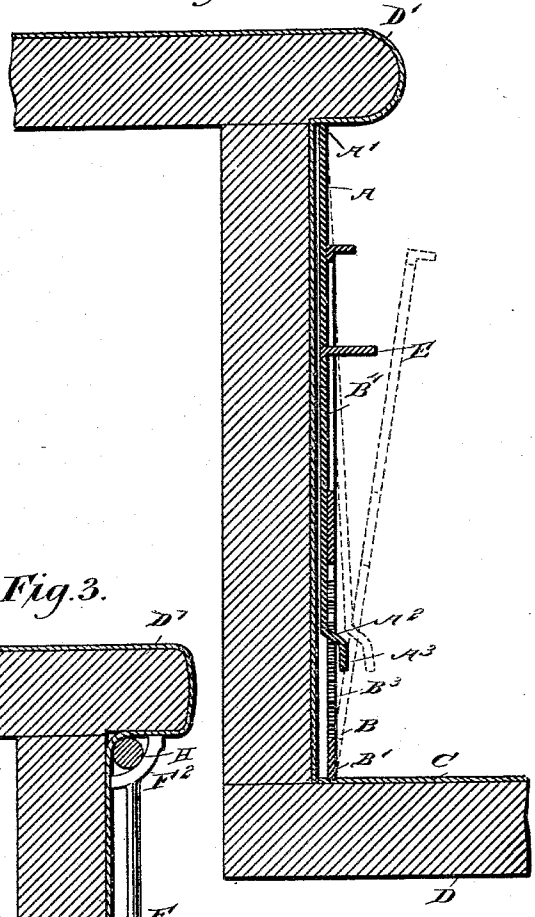
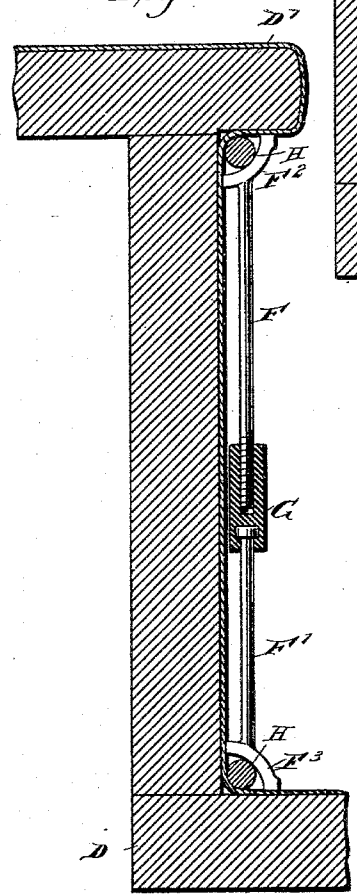


Fig. 3.



WITNESSES:

Edward Thorpe
New York

INVENTOR

M. T. J. Ochs

BY

Mum & Co
ATTORNEYS.

UNITED STATES PATENT OFFICE.

MILTON T. J. OCHS, OF ALLENTOWN, PENNSYLVANIA.

STAIR-CARPET FASTENER.

SPECIFICATION forming part of Letters Patent No. 548,452, dated October 22, 1895.

Application filed March 28, 1895. Serial No. 543,493. (No model.)

To all whom it may concern:

Be it known that I, MILTON T. J. OCHS, of Allentown, in the county of Lehigh and State of Pennsylvania, have invented a new and Improved Stair-Carpet Fastener, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved stair-carpet fastener which is simple and durable in construction, can be cheaply manufactured, readily applied, and arranged to securely fasten the carpet in place.

The invention consists principally of two plates or rods adjustably and pivotally connected to each other and having their outer ends respectively adapted to engage the tread and the nosing of the stairs, to securely fasten the carpet in place.

The invention also consists of certain parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a front elevation of the improvement as applied. Fig. 2 is a transverse section of the same.

My device is formed of two plates or rods A and B, preferably made of metal and held adjustable on one another, and with the ends preferably formed with teeth A' and B', respectively, adapted to pass through the carpet C to engage the under side of the nosing D' and the top of the tread D of the stairs, as plainly indicated in Fig. 2, whereby the carpet is fastened at two points by the plates A and B, which are thus wedged in between the tread and the nosing. Instead of directly engaging the carpet, the latter may be held in place by the usual stair-rods secured in position by two fasteners wedged in between the nosing and tread beyond the side edges of the carpet, the said fasteners pressing the rods in place on the back of the stairs and front of the carpet.

In order to hold the plates A and B in position, I provide the plate B with a vertically-disposed slot B², formed in its sides with teeth

B³, adapted to be engaged by a projection or lug A², formed on the lower end of the plate A and extending through the slot B² to engage the front of the teeth B³, as plainly indicated in the drawings. The lug A² projects downward and outward and is provided at its outer end with a cross-bar A³ extending across the face of the plate B.

In the upper end of the plate B is arranged a slot B⁴, through which extends a button E, mounted to turn on the plate A and adapted to pass with its head through the slot B⁴ when moved in a vertical position and to engage the face of the plate B when turned horizontally into the position shown in Figs. 1 and 2.

Now it will be seen that the plates A and B can be adjusted to such a length as to fit between the tread and nosing of stairs of different-sized steps; and it will also be seen that by moving the lug A² into engagement with the desired set of teeth B³ any desired length may be given to the fastener. When it is desired to apply the fastener, the two plates are adjusted to the position shown by dotted lines in Fig. 2, so that when extending at an obtuse angle to each other the distance between their ends will be just equal to that between the tread and nosing of the stair. The operation is now completed by placing the plates in position and forcing them to an aligned disposition, as shown by full lines in Fig. 2. This operation will result in the outward movement of the ends of the plate, causing them to bind against the tread and nosing, respectively, and thereby securely hold the carpet in place. Thus it will be seen that the principle of my invention is much the same as that of the well-known toggle-links. Still further, it will be seen that the button E is not absolutely essential to my invention, and that the plates will bind together and hold in the fixed engagement because of this binding. When, however, the button is used, (and this is preferable at all times,) it should be passed through the slot B⁴ and turned to lock therewith as soon as the part assumes the position shown by full lines in Fig. 2.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. A stair carpet fastener, comprising two

sections, one of which is formed with two longitudinally elongated slots, one of said slots having on its inner side ratchet teeth or studs, the remaining section having a projection capable of passing through the ratcheted slot and of engaging with the teeth thereof and the remaining section also having a revolubly mounted button capable of passing through the plain slot of the first section and of holding the parts together, substantially as described.

2. A stair carpet fastener, consisting of two links or plates having an adjustable and pivotal connection, said connection being capable of operation to vary the distance between

the free ends of the links or plates, substantially as described.

3. A stair carpet fastener, consisting of two sections, one of which is formed with a longitudinal slot therein, the said slot having ratcheted sides, the remaining section having a projection thereon which is passed through the slot and which is capable of adjustable and pivotal connection with the ratchet teeth of the same, substantially as described.

MILTON T. J. OCHS.

Witnesses:

WILLIAM H. DILYARD,

THOS. O. GINKINGER.