

952,401.

H. C. ADAMS.
STAIR CARPET FASTENER.
APPLICATION FILED JULY 23, 1909.

Patented Mar. 15, 1910.

Fig. 1.

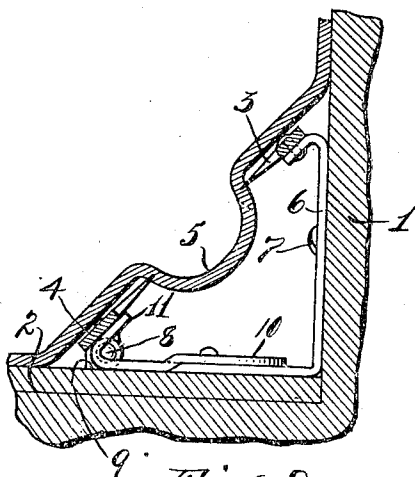
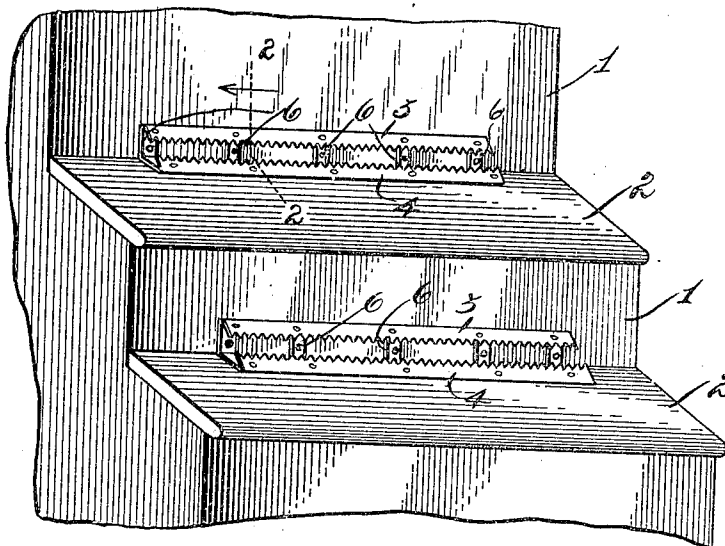


Fig. 2.

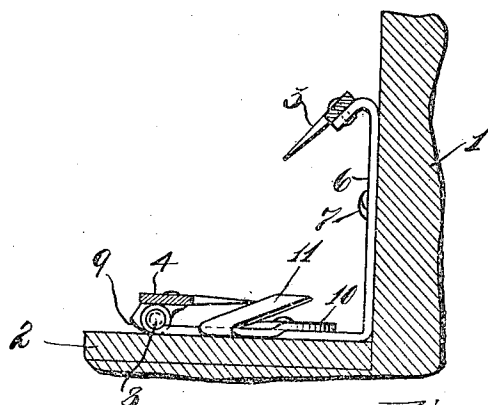


Fig. 3.

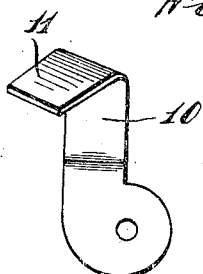


Fig. 5.

Witnesses:
C. A. Jones.
Beatrice Murri

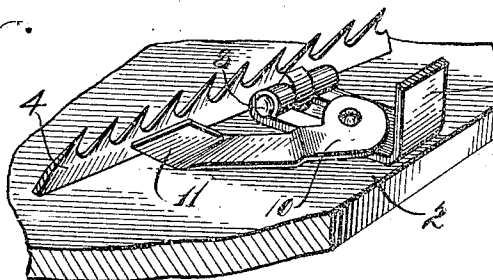


Fig. 4.

Inventor:
Harry C. Adams,
By Emerson R. Howell
his Attorney.

UNITED STATES PATENT OFFICE.

HARRY C. ADAMS, OF NEW YORK, N. Y., ASSIGNOR TO W. & J. SLOANE, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

STAIR-CARPET FASTENER.

952,401.

Specification of Letters Patent.

Patented Mar. 15, 1910.

Application filed July 23, 1909. Serial No. 509,125.

To all whom it may concern:

Be it known that I, HARRY C. ADAMS, a citizen of the United States, residing at New York city, New York, have invented certain new and useful Improvements in Stair-Carpet Fasteners, of which the following is a clear, full, and exact description.

My invention relates to a stair-carpet-fastener, which is to hold a carpet on a flight of stairs.

My object is to improve upon the construction of fastener set forth in my prior patent 587,633.

In the drawings, Figure 1 shows two steps of a stairway with two fasteners thereon in their normal carpet-engaging position; Fig. 2 is a section on the line 2—2 with the locking device in the locking position; Fig. 3 is a similar view with the lower toothed bar in its folded position and unlocked. Fig. 4 is a perspective view of the lower bar and pivoted locking arm in the position similar to that in Fig. 2; and Fig. 5 is a detail.

In the use of such a fastener, which consists, essentially, of two toothed bars or plates fastened in the angle between the tread and riser and with the teeth of the bars projecting across the angle, the two bars being separated so that a fold of carpet may be inserted therein. It has been found that when the carpet is removed the lower bar interferes with the feet of a person coming down the stairs and sometimes catches the skirts of a woman's dress, and it is desired to make one of the bars (preferably the lower bar) adjustable so that it may be moved out of its carpet-engaging position and at the same time may be locked in its normal carpet-engaging position.

In the drawings, 1, 1 are the risers, and 2, 2 the treads of a stairway. The toothed bars of a fastener are indicated at 3 and 4. These are suitably secured in the angle near the junction of the tread and riser with the toothed portions extending across the angle and toward each other, that is, in such a manner as to hold a fold of the carpet between their separated edges. For example, in the manner indicated by the fold 5 of the carpet in Fig. 2. The means for securing the bars in position is preferably one or more devices which connect the bars, and I have shown such in the angle bars 6 which are fastened to the riser by screws 7. In order that one of the bars (preferably the

lower one 4) may be moved out of its carpet-engaging position, I have provided a pivot connection between the lower bar and the means which supports said bar, in this case its brackets 6, as indicated at 8, so that the bar 4 may stand in its normal carpet-engaging position shown in Fig. 2, or be folded down into the position shown in Fig. 3 where it would be out of the way. This is the construction I prefer. In order to lock the bar in its normal carpet-engaging position, I have provided a stop portion 9 and a pivoted detent 10, which has an upturned end 11 which may be thrown against the inner side of the bar, as indicated in Figs. 2 and 4, so as to hold the same from collapsing.

The carpet may be laid on the stairway, and at each angle between the tread and riser a fold of the carpet is forced between the toothed edges, as indicated in Fig. 2, which will slightly enter the back of the carpet to hold the same in position without any other fastening means and the carpet will entirely hide the fastener so that no fastening means will be visible from the front. The carpet may be detached by reversing the operation, or merely loosening it from the bottom and shaking it.

I do not limit myself to the form of the invention shown in the drawings, as I am aware that the invention may be embodied in other forms without departing from the spirit of my invention as claimed.

What I claim is:—

1. A stair-carpet fastener comprising a pair of toothed bars, supporting means to which said bars are attached, said bars standing with their toothed portions extending toward each other across the angle between the tread and riser and separated to receive the fold of a carpet, said supporting means comprising a movable connection to one of said bars whereby said bar may be moved out of its carpet-engaging position, and a locking device to hold it in its normal carpet-engaging position.

2. A stair-carpet fastener comprising a pair of toothed bars, supporting means to which said bars are attached, said bars standing with their toothed portions extending toward each other across the angle between the tread and riser and separated to receive the fold of a carpet, said supporting means comprising a pivotal connection to

one of said bars whereby said bar may be folded toward the other bar, and a locking device to hold it in its normal carpet-engaging position.

5 3. A stair-carpet-fastener comprising a pair of toothed bars, supporting means to which said toothed bars are attached, said bars standing with their toothed portions extending toward each other across the angle between the tread and riser and separated to receive the fold of a carpet, said supporting means comprising a movable connection to one of said bars whereby said bar may be moved out of its carpet-engaging position, and a locking device to hold it in its normal carpet-engaging position, said locking device being connected with said bar whereby it and said bar may be removed together.

20 4. A stair-carpet-fastener comprising a

pair of toothed bars and means connecting said bars and adapted to secure the same in the angle between the riser and tread with the toothed portions extending toward each other across the angle and separated to receive the fold of carpet, the lower bar being pivoted to said connecting means and adapted to be folded downward out of its carpet-engaging position, and a lock for holding the same in its normal position and comprising a detent pivoted to the support of said bar on the inner side of the same and adapted to be thrown outward into engagement with said bar to hold the same in position.

Signed at New York city, N. Y. this 14th day of July 1909.

HARRY C. ADAMS.

Witnesses:

GEORGE GIBBS KANE,
CHARLES T. YOST.