(No Model.)

D. NEFF.

Carpet Stretcher.

No. 242,960. Patented June 14, 1881.

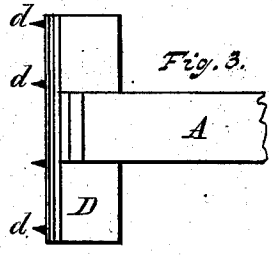


Fig. 3.

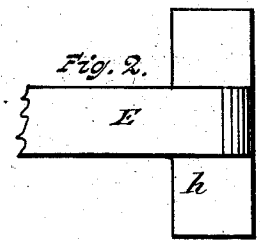


Fig. 2.

Fig. 1.

Witnesses:
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UNITED STATES PATENT OFFICE.

DANIEL NEFF, OF AMSTERDAM, NEW YORK.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 242,960, dated June 14, 1881.

Application filed April 21, 1881. (No model.)

To all whom it may concern:

Be it known that I, DANIEL NEFF, a citizen of the United States, residing at Amsterdam, Montgomery county, and State of New York, have invented a new and useful Improvement in Extension Self-Adjusting Carpet-Stretchers, of which the following is a specification.

My invention relates to improvements in carpet-stretchers. I attain the object by a mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the machine complete. Fig. 2 is a plan of the cross-bar head to rod E of Fig. 1. Fig. 3 is a plan of the cross-bar head of rod A, showing the pins *d*.

Similar letters refer to similar parts throughout the several views.

My invention is constructed as follows, viz:

I have two rods, A and E, Fig. 1, of any suitable size and length, substantially as shown. On one end of rod A, Fig. 1, I fix a cross-bar head of sufficient dimensions to correspond with the proportions of the complete machine, and into the under surface and near the outer edge of the cross-bar head D, on forward end of rod A, are inserted metal pins or teeth, as shown in Fig. 3 by *d d d d*, the office of which teeth or pins is to pierce and hold in a fixed position a carpet when it is stretched. The other rod, E, is made of the same general size as rod A, at the outer end of which there is a cross-bar head, *h*, the office of which is that of a rest to crowd against the wall on the opposite side of the room from the cross-bar head D. The other end of rod E has an open mortise, through the sides of which I have holes pierced to receive a pin. Said open mortise is made to receive the upright lever F, hereinafter referred to. These rods A and E are arranged to move back and forth—E over A—by means of an upright lever, F, the lower end of which lever has an open mortise to allow the lever end to stride the rod A, and through which mortise-rod A passes, and is held in position by a pin, *k*. Said pin serves as a center upon which the lower end of lever F oscillates. The upper end of the upright lever F passes through the open mortise in rod E, and is held in position by means of a pin or bolt, *i*, passing through it and the holes made in the sides of the open mortise of the rod E, which pin serves as a center around which the rod E and lever F oscillate freely. There are two straps, G G′, in form of loops, the ends of which are fastened to the respective sides of rod E, as shown, and from thence pass downward, looping around and through which rod A freely passes as its position is changed backward or forward by the movement of lever F when in practical use.

On the upper side of rod E, I place a staple, N, to hold a retaining wire loop, H, as shown, the opposite end of which retaining wire loop passes around the upright lever F, (above rod E,) and so arranged as to allow the retaining wire loop to move up and down lever F and to rest in notches *m* formed in the front or forward side of the upright lever F, the office of which retaining wire loop and notches is to hold the upright lever F in a fixed position after the carpet is stretched to the required place, and to retain the strain of the stretcher when in practical use.

What I claim is—

An extension self-adjustable carpet-stretcher, constructed of rods A and E, lever F, loops G G′, retaining wire loop H, head and foot cross-bar heads *h* and D, and the pins or teeth *d*, arranged substantially as described and set forth.

DANIEL NEFF.

Witnesses:

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