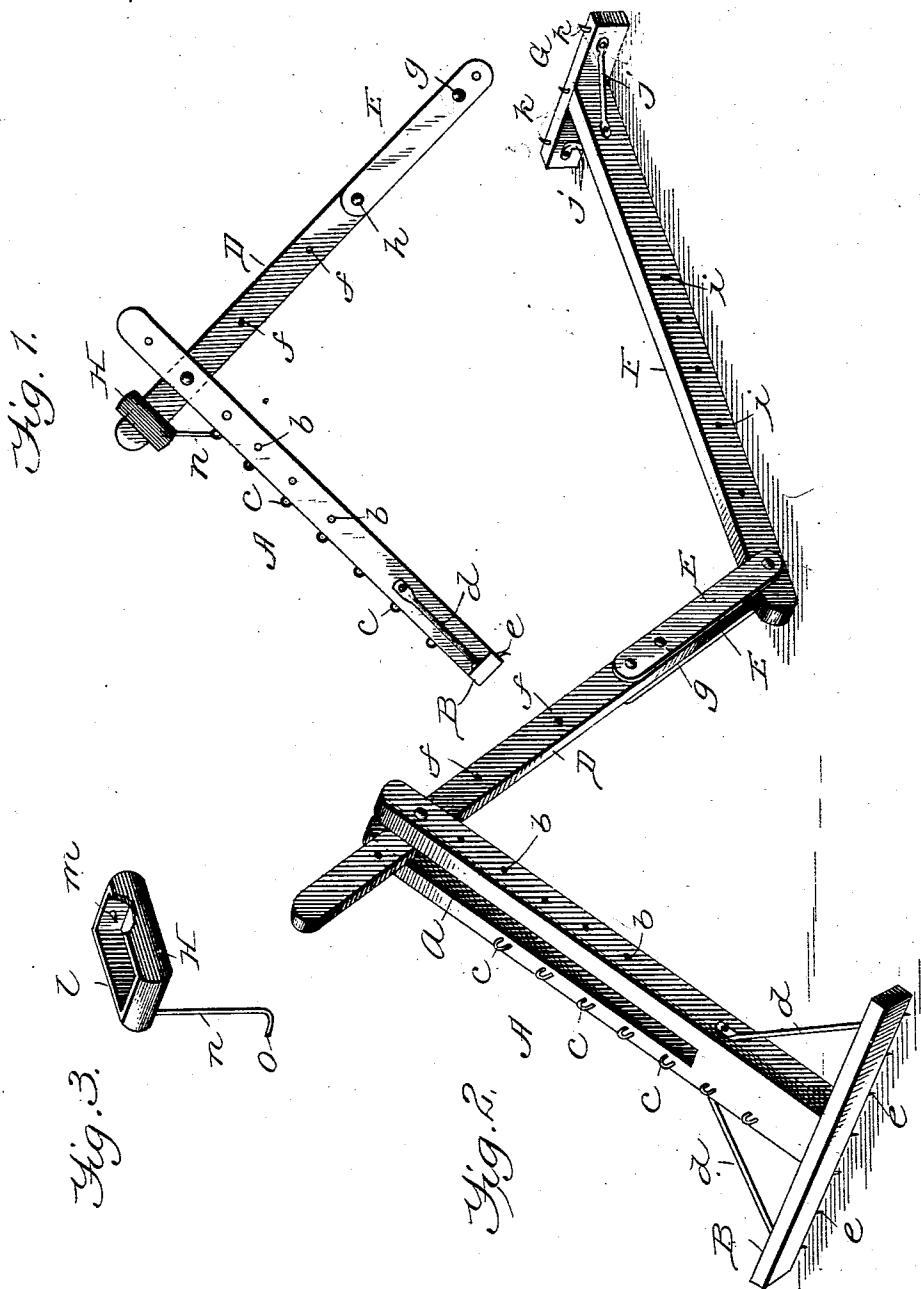


(No Model.)

L. G. MAHLE.
CARPET STRETCHER.

No. 572,018.

Patented Nov. 24, 1896.



WITNESSES:

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CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 572,018, dated November 24, 1896.

Application filed September 9, 1896. Serial No. 605,242. (No model.)

To all whom it may concern:

Be it known that I, LEWIS G. MAHLE, a citizen of the United States, residing at Carrollton, in the county of Cattaraugus and State of New York, have invented certain new and useful Improvements in Carpet-Stretchers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to carpet-stretching devices, and has for its object to provide a simple, durable, and inexpensive carpet-stretcher adapted to stretch and hold stretched in position for tacking a comparatively long strip or section of carpet at one adjustment of the stretcher, and which may be quickly adjusted, so as to adapt it to stretch carpets for rooms of different sizes; and it consists of the parts and combinations of parts hereinafter described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is a side elevation of my improved device; Fig. 2, a perspective view of my device lengthened for use in a large room, and Fig. 3 a detail perspective of my clamp for securing the stretcher in its adjusted position.

Similar letters refer to similar parts in all the views.

A represents a bar of any desired length, which is formed with an elongated slot *a*, extending from one end thereof nearly its whole length and which is formed with a series of perforations *b*, extending through said bar transverse to said slot, and along the upper edge of the bar at one side of the slot a series of staples *c* are secured for a purpose to be described.

A cross-bar B, forming the head of the stretcher, is secured about midway its length to the end of bar A and is held rigidly thereto by the short irons or rods *d*, having their ends bolted to said bars at each side of bar A. The bar B is provided with a suitable number of bent teeth *e* to engage the carpet when the device is in use.

D represents a bar having a series of perforations *f* formed therethrough and provided at each side with the metal strips or clips E at one end, said clips being perma-

nently pivotally secured to said bar near one end by a bolt or pin *g* and removably secured thereto by a pin *h* at the opposite end of the strips, so that said clips may be secured to said bar when not in use.

F represents a bar having a series of perforations *i* formed therethrough and G, a cross-bar secured midway its length to the end of bar F and braced by the rods or irons *j*, extending from each side of bar F to bar G. The bar G is provided with a suitable number of teeth *k* to engage the carpet when the bar is in use as a stretcher.

H represents a clamp consisting of a rectangular casting having a square opening *l*, adapted to fit over the end of bar D and of greater length than said bar is wide and provided with a sharpened tooth *m*, adapted to engage the bar D after the clamp is adjusted thereon and thus prevent said clamp slipping. To an eye secured to the side of the clamp a rod *n*, which terminates in a hook *o*, is secured.

In the preferred manner of laying a carpet with the assistance of my stretcher one corner of the carpet is tacked in position, and then the stretcher, (shown in Fig. 1,) consisting of bars A and D, the latter being pivotally secured in slot *a* of bar A by a removable pin, is arranged with the end of bar D against the washboard of the room adjacent the tacked corner of the carpet and with the teeth of bar B engaging the carpet at the opposite corner of the room at a suitable distance from its edge. The operator then presses down on the bars, forcing their free or outer ends apart and stretching the carpet. The clamp H is then slipped over or onto the end of the bar D and its hook *o* caught in one of the staples *c* in order to hold the bars in the position to which they have been adjusted while the carpet is being tacked in place. The third corner of the carpet is tacked in place after being stretched as described, and then the bars A and D are separated and bar F inserted in the slot *a* of bar A and pivotally secured therein by a pin or bolt and the parts arranged diagonally across the room from the first corner to the untacked corner with the untoothed side of head B resting on the carpet and the teeth *k* of bar G engaging the carpet at the untacked corner. By depressing the bars, as

above described, the carpet will be stretched, and the last corner may be tacked in place. The sides and ends of the carpet may be stretched by the aid of bars A and D, as described, but should they be too short to reach
5 across the room the bar F may be attached to end of bar D by swinging the clips E into the position shown in Fig. 2 and inserting bar F between the clips and securing it by means
10 of a pin passed through the perforations in said clips and bar.

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

15 1. The combination, in a carpet-stretcher, of a slotted bar provided with a series of staples, a toothed cross-bar at one end of said slotted bar, a bar pivotally secured in said slotted bar, and a clamp adapted to fit over

the end of said last-named bar and provided 20 with a sharpened tooth to engage said bar and a hook to engage said staples, substantially as described.

2. The combination, in a carpet-stretcher, of a slotted bar, a toothed cross-bar secured 25 to said slotted bar, a bar having one end pivotally secured in said slotted bar, clips adjustably and pivotally secured at the opposite end of said last-named bar, an extension-bar pivotally secured between said clips, and a 30 cross-bar for said extension-bar, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

LEWIS G. MAHLE.

Witnesses:

WM. GOOD,

GEO. GARDNER.