

(No Model.)

P. V. MONROE.
CARPET STRETCHER.

No. 569,650.

Patented Oct. 20, 1896.

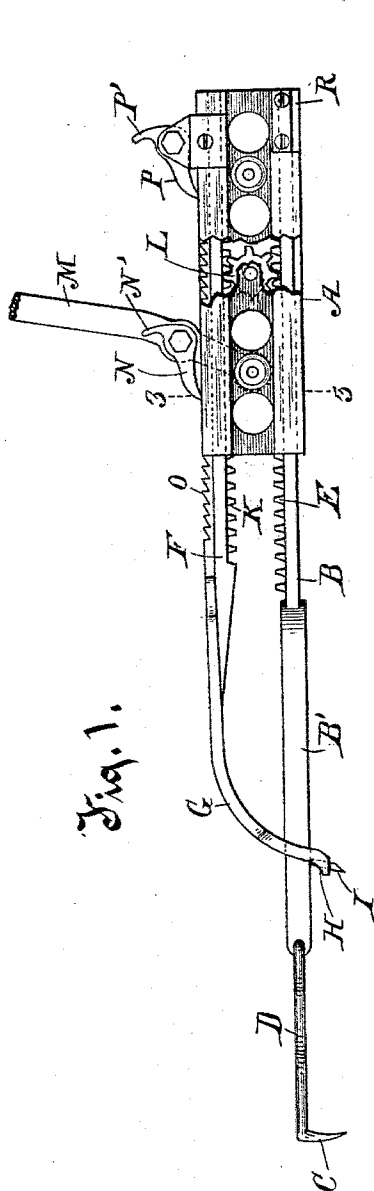


Fig. 1.

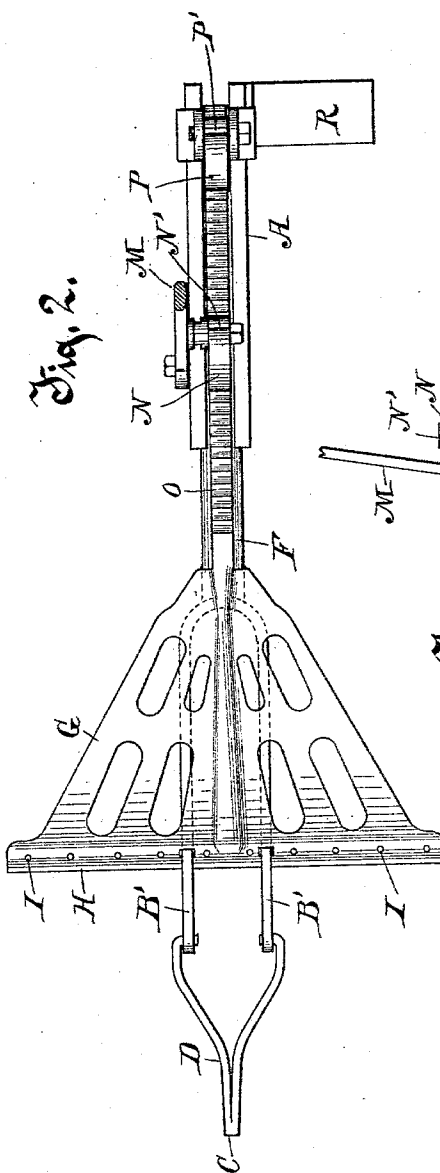


Fig. 2.

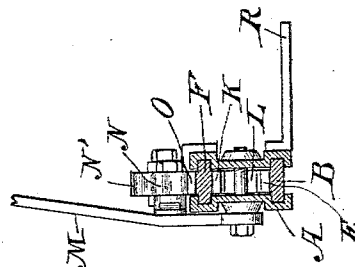


Fig. 3.

Witnesses.

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PUBLIUS V. MONROE, OF WAUKESHA, WISCONSIN.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 569,650, dated October 20, 1896.

Application filed August 7, 1896. Serial No. 601,953. (No model.)

To all whom it may concern:

Be it known that I, PUBLIUS V. MONROE, of Waukesha, in the county of Waukesha and State of Wisconsin, have invented a new and useful Improvement in Carpet-Stretchers, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

My invention relates to a device or implement adapted to stretching a carpet taut on a floor which it is to cover and on which it is to be secured in the position to which it is stretched.

The object of the invention is to provide an improved, strong, reliable, easily-operated, efficient, and enduring device for stretching carpets.

The invention consists of the device or implement, its parts, and combinations of parts, as hereinafter described and claimed, or their equivalents.

In the drawings, Figure 1 is a side elevation of my improved carpet-stretcher, parts being broken away to exhibit interior construction and another part being broken off and a portion omitted for convenience of illustration. Fig. 2 is a top plan view of the complete device. Fig. 3 is a transverse section on line 3 3 of Fig. 1, looking toward the right.

The entire implement is preferably constructed of metal.

The frame A is of suitable form for supporting the movable parts of the device, and is preferably elongated in the direction of the reciprocation of the principal movable parts. A bar B is reciprocable endwise in ways therefor in the lower portion of the frame A, and is preferably constructed with the furcate members B' B' projecting in the direction of the length of the bar, and an anchor C, adapted to be pushed into and to engage the floor on which the carpet is to be stretched, is hinged by its shank D to the free ends of the furcate members B' B'. This bar B is also provided with a wheel-toothed rack E on the upper surface of that portion of the bar that is adapted to reciprocate within the frame A.

A laterally-extending head H is provided with a series of teeth I, adapted to be inserted in and thereby to engage the carpet, and this head is provided with an upwardly-curved

wing or neck G, terminating in a rearwardly-extending shank F, which shank is fitted and adapted to travel reciprocably in ways therefor in the upper part of the frame A, above and opposite to the bar B. The furcate parts B' B' of the bar B pass movably in apertures provided therefor through the head H, the parts being thereby held to position relatively to each other.

The shank F is provided on its under surface with a wheel-toothed rack K and on its upper surface with a rack O, preferably of the saw-tooth variety.

A pinion L, axled in the frame between the bar B and the shank F, meshes with the rack E and the rack K. A lever-handle M, pivoted at its lower extremity on the frame A, is provided with a gravity-pawl N, adapted to releasably engage the rack O. The thumb-piece N' on the pawl N is adapted for lifting it out of engagement with the rack. A click P, pivoted on the frame A, is also adapted to engage the rack O releasably and prevent rearward movement relatively thereto of the shank F. The pawl P is also provided with a thumb-piece P', adapted to lift it out of engagement with the rack.

A small plate R, secured to the frame A, projects laterally therefrom flush with the bottom of the frame at or near its rear end, and is adapted to receive the pressure of the foot or knee of the operator thereon to hold the frame movably in position on the floor or interposed carpet.

In use when a carpet has been secured to a floor at one side of the room and the carpet is lying on the floor my improved device is placed on the carpet near the unsecured edge, and the anchor C beyond the edge of the carpet is forced into the floor, and the head H, withdrawn rearwardly therefrom, is made to engage the carpet near its edge by means of the teeth I, and thereupon by throwing the lever M over toward the anchor C the head H will be forced in that direction, drawing on the carpet as it moves. In this manner, either by a single or repeated use of the device, a carpet may be drawn taut on a floor.

What I claim as my invention is—

1. A carpet-stretcher comprising a frame, a bar movable endwise in the frame said bar being provided with a terminal anchor and a

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 wheel-toothed rack, a carpet-engaging head provided with an elongated shank reciprocable in the frame and having a wheel-toothed rack and a pawl-toothed rack, a pinion axled in the frame and meshing with said wheel-toothed racks on said bar and said shank, a lever-handle pivoted on the frame and provided with a pawl releasably engaging the pawl-toothed rack on said shank.

10 2. A carpet-stretcher comprising a frame, a bar movable endwise in the frame said bar being provided with a terminal anchor and a wheel-toothed rack, a carpet-engaging head provided with an elongated shank reciprocable in the frame and having a wheel-toothed rack and a pawl-toothed rack, a pinion axled in the frame and meshing with said wheel-toothed racks on said bar and said shank, a lever-handle pivoted on the frame and provided with a pawl releasably engaging the pawl-toothed rack on said shank, and a click pivoted on the frame releasably engaging said pawl-toothed rack.

15 3. In a carpet-stretcher, the combination with a frame, of a carpet-engaging head provided with a shank reciprocable in ways in the frame, a bar reciprocable endwise in the

frame which bar is disposed parallel with and alongside of said shank and extends movably through said carpet-engaging head, an anchor on the free extremity of the bar on the same side of the frame and more distant therefrom than the carpet-engaging head adapted to engage a floor, and means adapted to reciprocate the shank and the bar with reference to each other.

4. In a carpet-stretcher a frame, a carpet-engaging head provided with a wheel-toothed shank reciprocable in the frame, a bar disposed parallel with and alongside of said shank and provided with an anchor on the same side of the frame as said carpet-engaging head and with a wheel-toothed rack, a pinion axled in the frame and meshing with said racks respectively, and a means for reciprocating the carpet-engaging head and its shank.

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

PUBLIUS V. MONROE.

Witnesses:

JOSEPH A. MONROE,
 JAMES R. SPENCER.