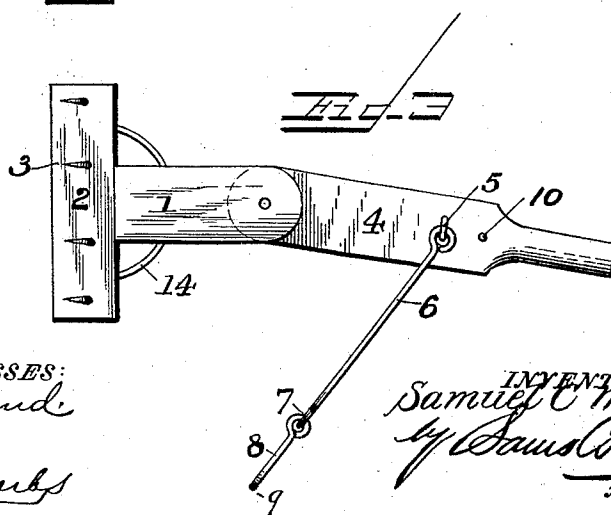
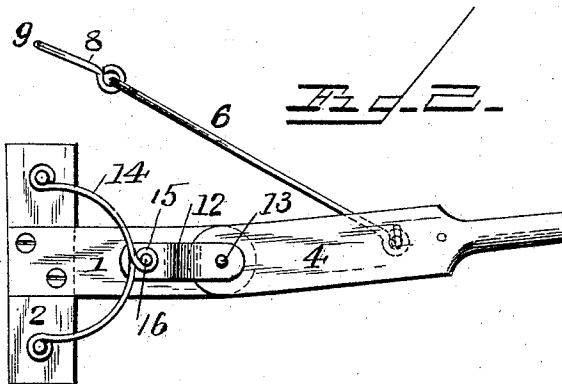
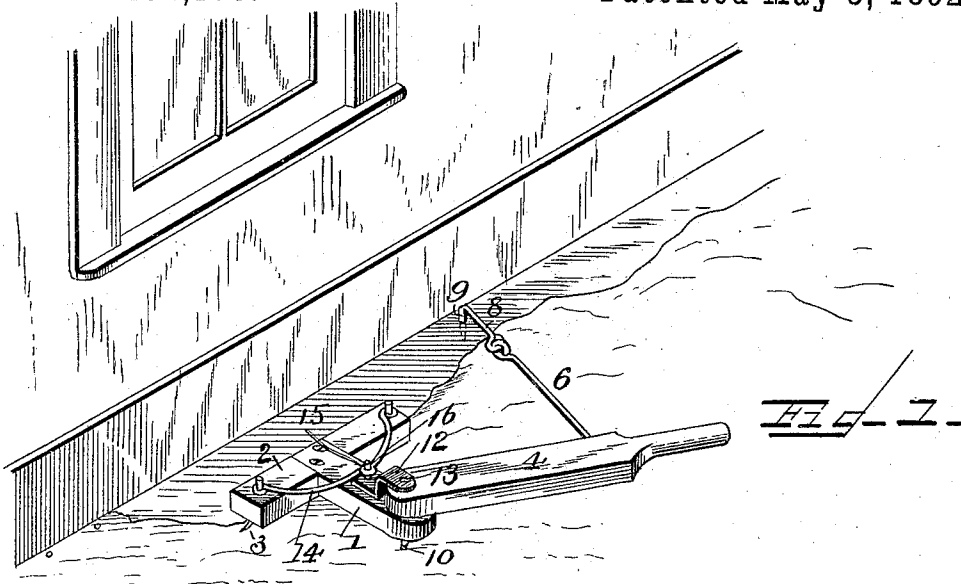


(No Model.)

S. C. MAINS.
CARPET STRETCHER.

No. 474,176.

Patented May 3, 1892.



WITNESSES:
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UNITED STATES PATENT OFFICE.

SAMUEL C. MAINS, OF GLENDON, IOWA.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 474,176, dated May 3, 1892.

Application filed October 9, 1891. Serial No. 408,273. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL C. MAINS, a citizen of the United States, and a resident of Glendon, in the county of Guthrie and State of Iowa, have invented certain new and useful Improvements in Carpet-Stretchers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in carpet-stretchers, the object being to provide a device of this character which shall possess superior advantages with respect to simplicity of construction and efficiency in operation.

The invention consists in the novel construction and combination of parts herein-after fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a carpet-stretcher constructed in accordance with my invention, showing the same ready to be manipulated to stretch a carpet. Fig. 2 is a plan view showing the position of the same after the carpet has been stretched. Fig. 3 is a bottom plan view of the device.

In the said drawings, the reference-numeral 1 designates a bar of any suitable material provided with a cross-head 2, having a series of inclined teeth or pins 3 on its under side. To the opposite end of bar 1 is pivoted a lever 4, having an eye or staple 5 intermediate of its ends on the under side, with which engages a rod 6, having at its outer or free end a loop 7, with which is connected a short rod 8, having its outer end bent at a right angle, forming a short projecting pin 9, which is designed to be driven into the floor. Intermediate of the staple 5 and the free end of lever 4 is a downwardly-projecting pin 10, which is also adapted to be driven into the floor.

The numeral 12 denotes a bent plate, one end of which projects over the inner end of the lever 4 and is provided with an aperture, through which passes the pivot-pin 13. The other end of this plate rests upon the bar 1 and is provided with an aperture for the passage of a pin 16, secured to said bar.

The numeral 14 designates a brace-rod, made of spring-wire and bent or formed at

its center into a loop 15, which engages with the pin 16. The ends of this rod are curved outward and secured to the cross-head 2. By means of the torsional force of this rod the loop 15 holds the plate securely in place, so that it cannot work out of engagement with the pivot-pin 13. When it is desired to disconnect the lever from bar 1 for the purpose of transportation or storage, the bar 14 is pulled upward or outward, so as to disengage the eye or loop 15 from the pin 16, when the plate 12 can be removed and the lever 4 disconnected from bar 1.

The operation is as follows: The pin 9 of rod 8 is driven into the floor near the wash-board, the teeth or pins in the cross-head 2 engaging with the carpet, as seen in Fig. 1, the opposite edge of the carpet being previously tacked. By pulling upon the outer end of lever 4 the cross-head 2 will be forced toward the wash-board, stretching the carpet. The pin 10 is then driven into the floor, holding the carpet in its stretched condition, so that it can be readily and easily tacked or secured to the floor.

Having thus described my invention, what I claim is—

In a carpet-stretcher, the combination, with the bar having an upwardly-projecting pivot-pin at one end, a cross-head at its other end provided with a series of inclined teeth or pins on its under side, and the upwardly-projecting pin secured to said bar intermediate its ends, of the lever pivoted to said bar, having an eye or staple on its under side, the rod connected with said staple, the short rod connected therewith, having its end bent at a right angle and adapted to be driven into a floor, the bent plate having apertures at each end through which the pins on the bar pass, and the torsional spring-rod bent at its center into an eye or loop adapted to engage with the pins on the said bar intermediate of its ends and having its ends curved outwardly and secured to the cross-head, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

SAMUEL C. MAINS.

Witnesses:

J. D. BROWN,
F. H. RORICK.