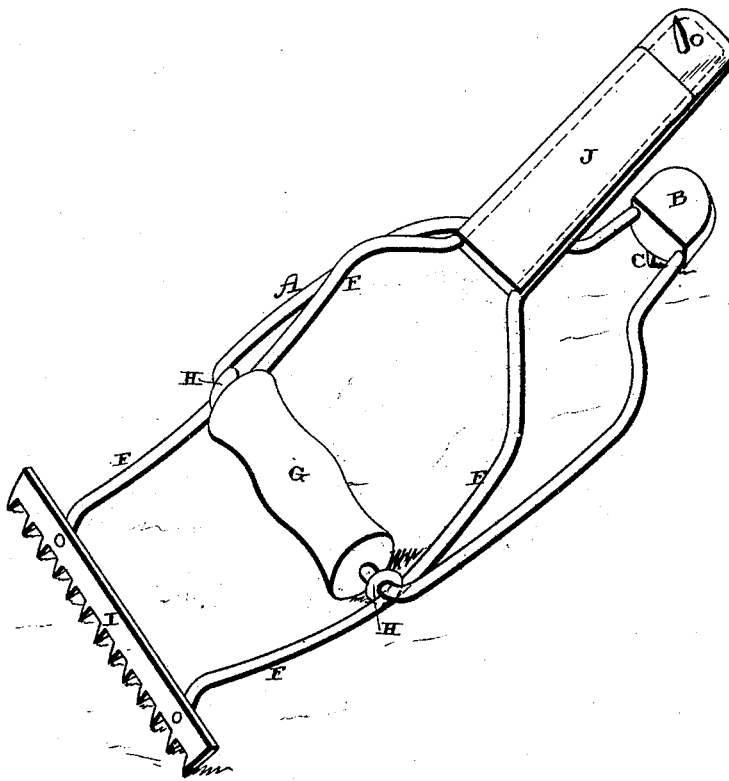


(No Model.)

R. E. ZIMMERMANN.
CARPET STRETCHER.

No. 421,343.

Patented Feb. 11, 1890.



Witnesses:
E. P. Ellis
L. J. Magie.

Inventor:
Robt. E. Zimmermann
per
F. A. Lehmann,
att'y.

UNITED STATES PATENT OFFICE.

ROBERT E. ZIMMERMANN, OF BEAVER FALLS, PENNSYLVANIA.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 421,343, dated February 11, 1890.

Application filed November 5, 1889. Serial No. 329,329. (No model.)

To all whom it may concern:

Be it known that I, ROBERT E. ZIMMERMANN, of Beaver Falls, in the county of Beaver and State of Pennsylvania, 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 pertains to make and use it, reference being had to the accompanying drawing, which forms part of this specification.

My invention relates to an improvement in carpet-stretchers; and it consists in a stretcher which is formed of two parts, one part being pivoted upon the other, as will be more fully described hereinafter.

The object of my invention is to produce a carpet-stretcher which is formed of only two parts, and in which the frames of the two parts are formed from heavy wires or light rods.

The accompanying drawing represents a perspective of a carpet-stretcher which embodies my invention.

A represents a frame, preferably of the shape here shown, and which is formed of heavy wires or light rods, which can be readily bent into the necessary shape. The front end of the frame is reduced in size by bending the wire, and to this front end is secured a metallic block B, from the lower side of which extends a sharp point or projection C, for catching in the floor at or near the mop-board. This frame A forms the pivot upon which the second frame F freely turns. Upon the rear end of the frame A is placed the block or stop G, which serves to hold the wire of the frame F in position upon the rear end of the frame A, and thus prevent it from having any lateral movement. The wire or rod out of which the frame F is formed is bent into circles H at its center, so as to enable it to be pivoted upon the frame A, as shown. To the lower ends of the rod or wire is secured the metallic toothed plate I, which catches in the carpet for the purpose of stretching it. The upper end of the frame F is reduced in size by bending the wires or rods in the manner shown, and placed in

this reduced portion of the frame is the rod J, which serves as a lever both for the operator to catch hold of and to brace and strengthen the wire or rod at this end. From the inner side of this lever J also extends a projection O, which can be forced down into the floor, so as to hold the carpet while the operator tacks it down.

In stretching a carpet the point or projection C is forced into the floor near the mop-board and then the upper end of the lever J is moved forward, so as to bring the metallic toothed plate I back to catch in the carpet. By drawing backward upon the lever J the frame F turns upon the frame A, upon which it is pivoted, and the metallic plate I is forced forward, so as to stretch or draw the carpet toward the projection C in the usual manner. After the carpet has been stretched as far as possible by the movement of the lever J and frame F the projection on the inner side of the lever J is forced into the floor to hold it in this stretched position, so as to enable the operator to tack the carpet down without the assistance of another person.

This carpet-stretcher here shown, being made of heavy wire or light rods and consisting of only two movable parts, is very cheap in construction, readily operated, and enables a single person to put down and properly stretch a carpet.

Having thus described my invention, I claim—

In a carpet-stretcher, the combination of the frame A, shaped as shown, a metallic block B, secured to its front end, and the point or projection C, with the block G, placed upon the rear end of the frame A, the frame F, having the loops H formed therein, the metallic toothed plate I, attached to the lower end of the frame, the lever J, and the sharp point or projection secured to the lever, substantially as shown and described.

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

ROBERT E. ZIMMERMANN.

Witnesses:

W. C. CLOW,

G. L. EBERHARD.