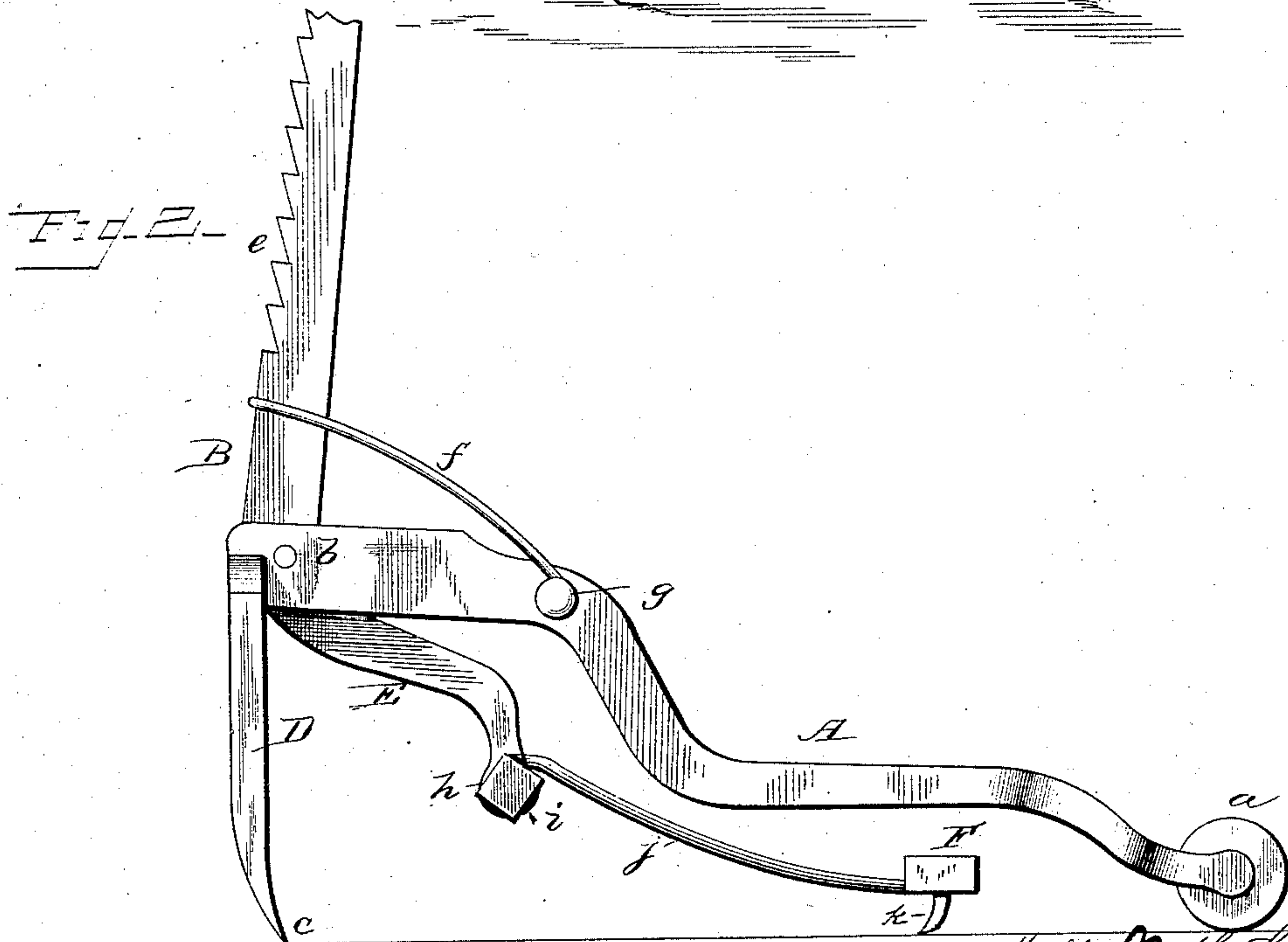
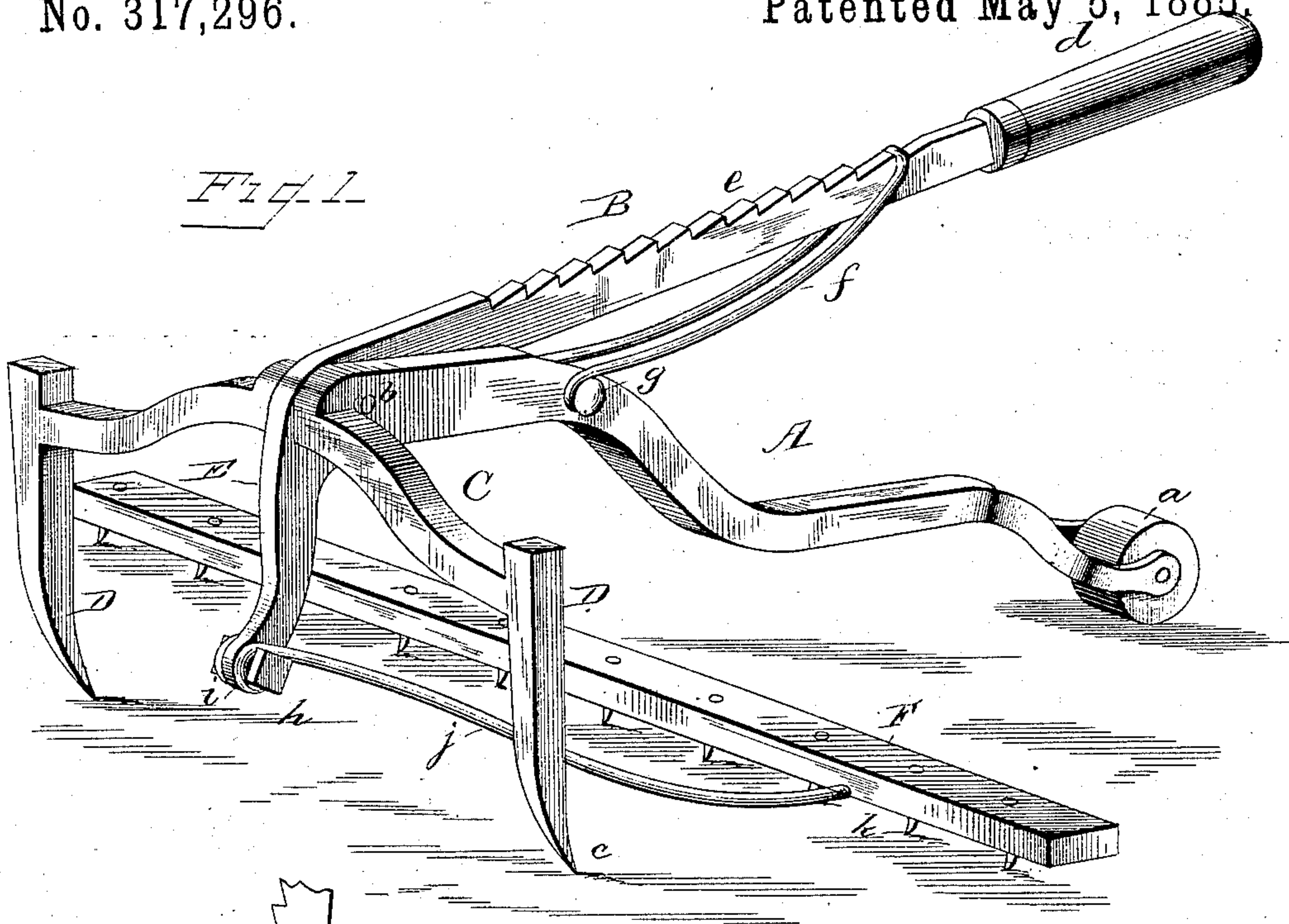


(No Model.)

W. H. CARTER.
CARPET STRETCHER.

No. 317,296.

Patented May 5, 1885.



WITNESSES
J. L. Ourand
E. W. Johnson

Willard H. Carter
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UNITED STATES PATENT OFFICE.

WILLIAM H. CARTER, OF SPRINGVILLE, UTAH TERRITORY.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 317,296, dated May 5, 1885.

Application filed September 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. CARTER, a citizen of the United States of America, residing at Springville, in the county of Utah and Territory of Utah, have invented certain new and useful Improvements in Carpet-Stretchers; and I do 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to carpet-stretching devices; and it consists in the improvements hereinafter fully described and set forth.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of my improved carpet-stretcher, and Fig. 2 is a side elevation of the same.

The supporting-frame of the structure consists of a bent metallic bar, A, the rear portion of which is depressed and bifurcated to form the bearings for a roller, *a*, the front portion of said bar being split to permit an angle-lever, B, to be pivoted between the said split portions by means of a pin, *b*. A bar, C, extends integrally at right angles from the front of each split portion and carry at their outer ends vertical bars D, which terminate at their lower portions in points *c*.

The angle-lever B consists of an elongated portion provided at its free end with a handle, *d*, and with a series of rack-teeth, *e*, on its upper edge, between said handle and pivoted portion.

A bail or loop, *f*, is pivotally secured by means of a pin, *g*, to the bar A, and the said loop extends up over the elongated portion of the angle-lever B, so as to engage the rack-teeth *e* thereof. The other portion E of the angle-lever B depends down between the vertical bars D, and is provided at its end with a bolt, *h*, which is engaged by loops *i* of converging rods *j*, which extend rearwardly and outwardly, and are secured to a transverse bar, F, provided with a series of teeth, *k*, projecting from its under side.

It will be obvious that by disengaging the

loop *f* from the rack-teeth *e* the elongated portion of the lever B may be elevated, so as to throw the portion E rearward, and consequently permit the bar F to move toward the roller *a*.

The device is so operated that the teeth *c* of the bars D engage the floor or other portion, so as to afford a purchase for the frame of the improvement. When the bar F is moved rearward, as before described, its teeth *k* engage the carpet, and upon the depression of the elongated portion of the lever B the portion E thereof is thrown forward, thereby drawing the bar F in the same direction, and thus distending or stretching the carpet in the direction of the vertical bars D.

The angle-lever B can be rigidly locked in any of the positions in which it may be placed during the straining operation by causing the loop *f* to engage any one of the rack-teeth *e*, and thus hold said lever under the tension exerted by the strained carpet.

The lower portions of the teeth *k* are preferably curved forward, as indicated most clearly in Fig. 2, so as to prevent the said teeth engaging the carpet upon the rearward movement of the bar F, but engage said carpet upon the forward movement of said bar.

The lower pointed portions of the vertical posts D are so curved as to permit the supporting-frame of the device to be moved forward without the said points becoming engaged, the said roller *a* facilitating such movement of the frame.

I claim—

1. The combination, in a carpet-stretching device, of the supporting-frame consisting of a rearwardly-extending bar, A, split or bifurcated at its front portion, an angle-lever, B, pivoted in such bifurcated portion, a bar, F, provided with teeth and positively connected to said angle-lever, and vertical bars D, supported by side extensions of the supporting-frame, substantially as described.

2. The combination, in a carpet-stretching device, of the supporting-frame consisting of a rearwardly-extending bar, A, split or bifurcated at its front portion, an angle-lever, B, pivoted in such bifurcated portion, and provided with a rack, a loop, *f*, pivoted to said

frame and adapted to engage said rack, and a bar, F, provided with teeth and connected positively to said angle-lever, substantially as described.

5 3. The combination, in a carpet-stretching device, of a supporting-frame consisting of a rearwardly-extending bar, A, split or bifurcated at both its front and rear portions, a roller, *a*, journaled in its rear bifurcated portion, and an angle-lever, B, pivoted in its front

bifurcated portion, and a bar, F, provided with forwardly-curved teeth and positively connected to said angle-lever, substantially as described.

In testimony whereof I affix my signature in 15 presence of two witnesses.

WILLIAM H. CARTER.

Witnesses:

HUGH M. DOUGALL,

WM. HATFIELD.