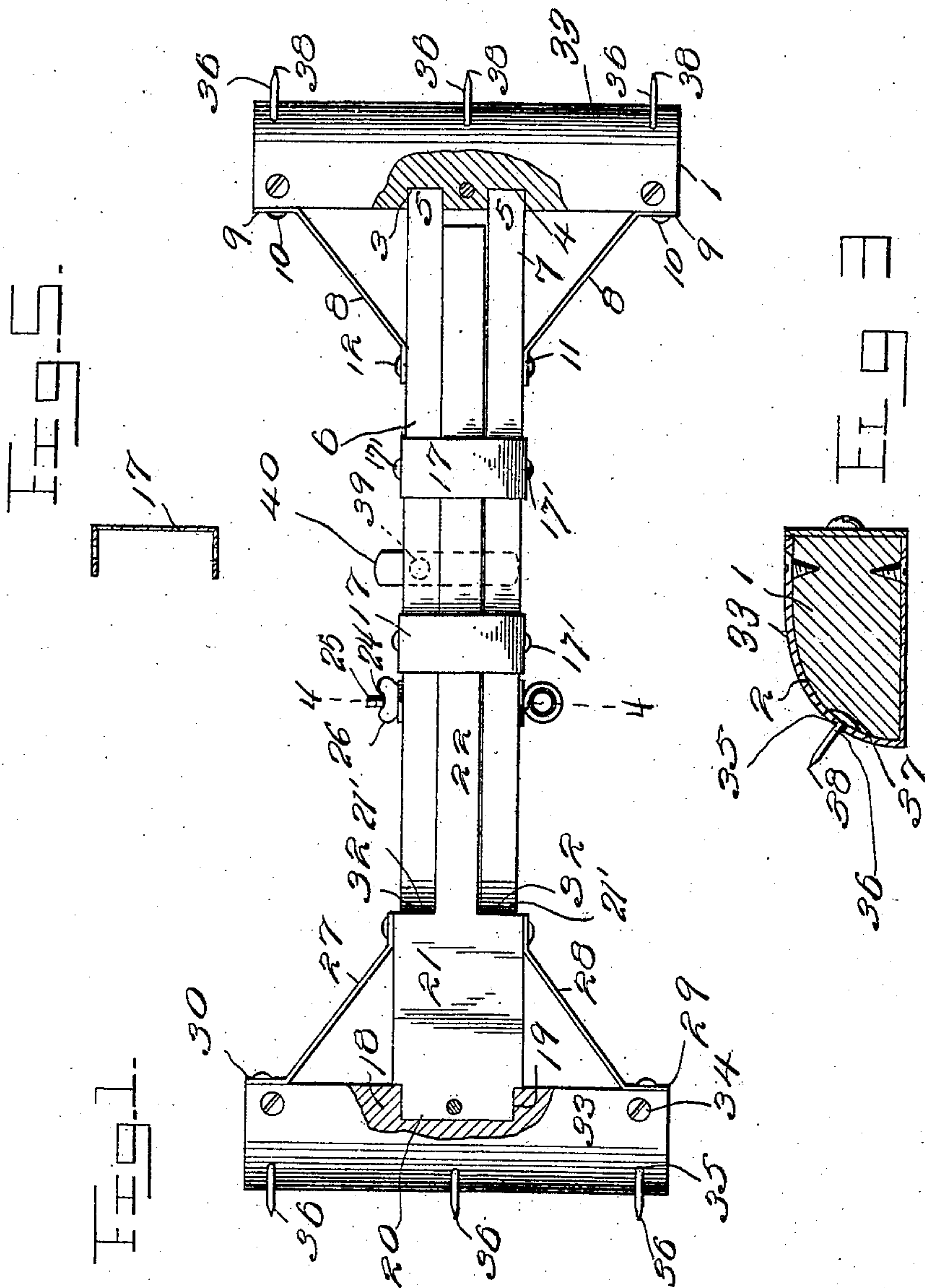


No. 848,312.

PATENTED MAR. 26, 1907.

C. H. LAMSON.
CARPET STRETCHER.
APPLICATION FILED AUG. 9, 1905.

2 SHEETS—SHEET 1.



Witnesses
C. H. Lamson
E. M. Colford

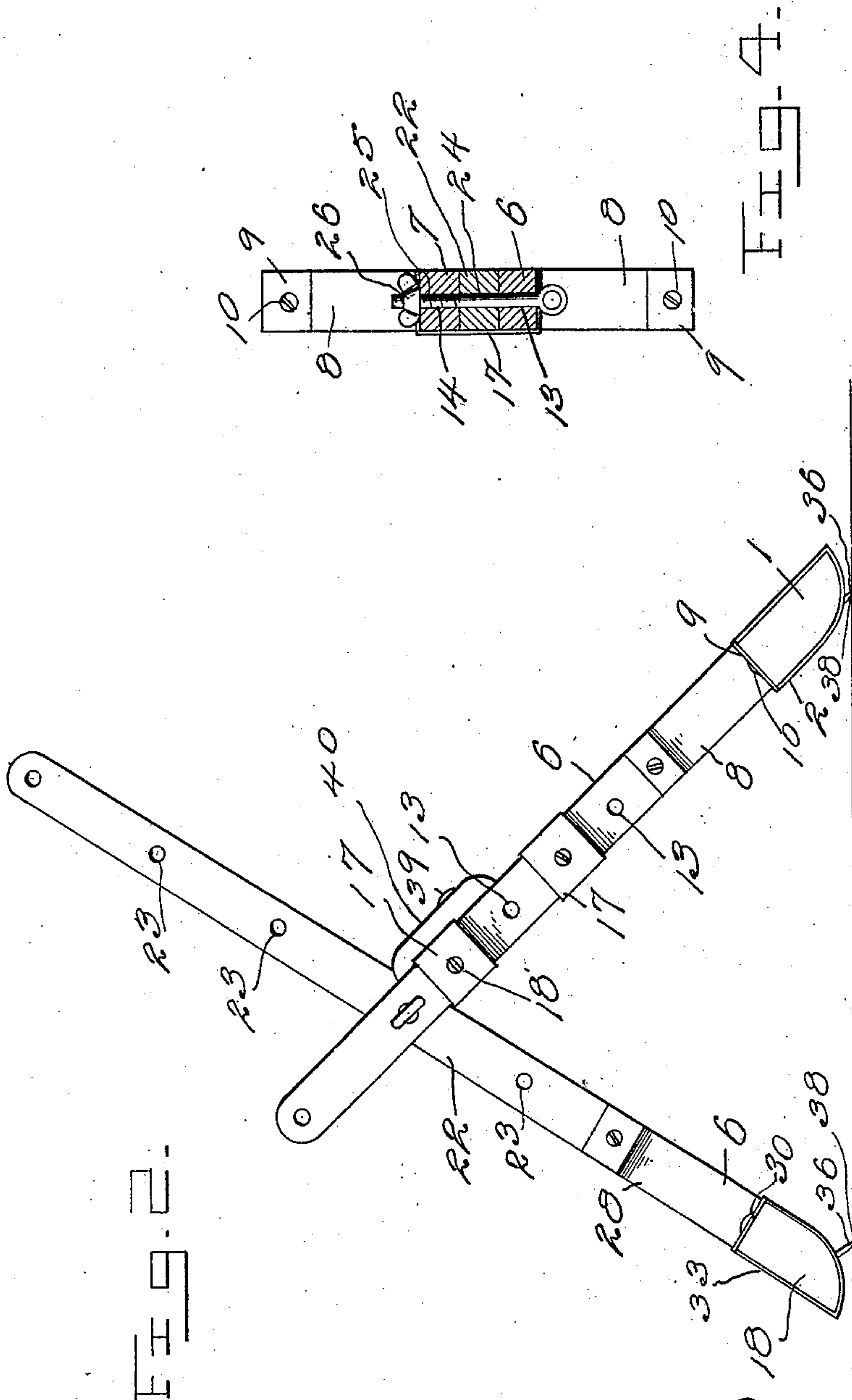
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

CHARLES H. LAMSON, OF ELSTON, MISSOURI.

CARPET-STRETCHER.

No. 848,312.

Specification of Letters Patent.

Patented March 26, 1907.

Application filed August 9, 1905. Serial No. 273,447.

To all whom it may concern:

Be it known that I, CHARLES H. LAMSON, a citizen of the United States, residing at Elston, in the county of Cole, State of Missouri, 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-stretchers.

One object of the invention is to provide an exceedingly light, simple, inexpensive, durable, and efficient carpet-stretcher.

Another object resides in the provision of a carpet-stretcher embodying such characteristics that any person may readily stretch the carpet for laying purposes.

A still further object of the invention is to provide a foldable carpet-stretcher, whereby the carpet may be readily stretched upon pressure being brought to bear upon the stretcher in its unfolded position.

In the drawings, Figure 1 is a bottom plan view of my invention locked in its folded position. Fig. 2 is a side elevation of the invention in its unfolded position. Fig. 3 is a transverse section of one of the heads. Fig. 4 is a transverse sectional view on the line 4-4 of Fig. 1, showing the bolt in elevation. Fig. 5 is a detail view of one of the straps.

Referring now more particularly to the accompanying drawings, the reference character 1 designates an elongated head, of wood or any other suitable material, with its lower outer longitudinal edge beveled, as indicated by the reference character 2. The inner face of this head 1 is preferably flat, in which is formed parallel transverse recesses 3 and 4, each of which receives the reduced ends 5 of arms 6 and 7, respectively, the arms 6 and 7 being firmly connected to the head by suitable braces 8, each brace being provided with a foot 9, engaging the rear flat face of the head 1 and pierced by a suitable fastener 10.

The opposite end of each brace is provided with a foot 11, engaging the corresponding face of the corresponding arms 6 and 7, the feet 11 being pierced by a suitable fastener 12, whereby the said arms 6 and 7 are firmly secured with respect to the head 1. Each arm 6 and 7 is provided with a series of perforations 13 and 14, respectively, for a purpose presently explained, and between cer-

tain of these perforations the oppositely-disposed legs 15 and 16 of U-shaped straps 17 are secured to the outer faces of the corresponding arms 6 and 7 by means of suitable fasteners 17'. It will thus be understood that the arms 6 and 7 are arranged in parallel spaced relation.

The reference character 18 designates a head, the same in proportions and form as the aforesaid head 1, and is provided upon its inner flat face with a single recess 19, which receives a reduced end or tongue 20 of a member 21, provided with a reduced elongated extremity forming an arm 22 of such width as to fit snugly between the inner faces of the arms 6 and 7. This arm 22 is provided with a series of perforations 23, corresponding in number to the perforations of each of the arms 6 and 7, the perforations of all of the arms being designed for registration for the reception of a pivot-bolt 24, provided with a screw-threaded end 25 for the reception of a cap-nut 26, it being understood that the bolt may be engaged interchangeably with different sets of alining perforations. Braces 27 and 28, each provided with feet 29 and 30, are provided for engagement of said feet with the corresponding faces of the member 21 of the arm 22 and the head 18, as shown. The member 21 by reason of the reduced extremity resulting in the arm 23 has oppositely-disposed shoulders 21', which meet the extremities 23 of the corresponding arms 6 and 7, these extremities being rounded, as clearly shown in the drawings. Each head 1 and 18 is provided upon all of its faces, save the inner flat faces, with a metallic or other reinforcing material 33, secured thereto by means of suitable fasteners 34. This material 33 is preferably of sheet metal and is designed to protect the heads 1 and 18 from wear, the material 33 of each head 1 and 18 being provided with a series of perforations 35, designed to receive pins 36, the head 37 of each pin being arranged between the inner face of the material 33 and the beveled edges of the respective heads, whereby the pins are held firmly in proper position for engagement of their outer pointed ends 38 with the carpet to be stretched. Of course before the reinforcing material 33 is placed upon the respective heads the carpet-engaging pins 36 are passed through the perforations 35 of the material.

In the use of my invention I will direct attention to Fig. 1 of the drawings, wherein it

will be seen that the arm 22 is moved upon the pivot-bolt 24 in such manner as to be lifted out of the space between the arms 6 and 7, and whereby the arms 6 and 7 may be in their parallel relation at an angle to the angle of the plane of the arm 22. When the arms are disposed in the manner stated, the carpet-pins 36 are in engagement with the carpet, when pressure upon the arms directly over the pivot-bolt 24 will cause the extremities of the respective arms to move downwardly until the arm 22 engages between the arms 6 and 7, the bight portions of the straps 17 serving to limit the downward movement of the arm 22 within the space between the arms 6 and 7. In order to then prevent accidental disengagement or a tilting movement of the arm 22 with respect to the arms 6 and 7, or vice versa, I secure upon the arm 6 intermediate its ends, by means of a suitable pivot-pin 39, a latch 40, whose longer end is designed to be swung over the upper face of the arm 22 and the arm 7, thereby locking all three arms against movement with respect one to another. It is obvious, therefore, that this latch 40 may be used when the device is not in service.

What is claimed is—

In a carpet-stretcher, the combination with a head having recesses therein, of spaced

parallel arms engaged in the recesses, straps secured to the arms at one side thereof and bridging the space between the arms, a second head having a recess therein, a member having a tongue engaged in the recess of the second head and having a reduced elongated arm movably disposed between the first-named arms, a pivot-bolt engaged in the several arms for pivotal movement of the first-named arms with respect to the second-named arm, said arms having longitudinal series of alining perforations adapted for interchangeable reception of the pivot-bolt, a latch pivoted to one of the first-named arms at the side opposite from the straps and movable into and out of position to extend across the second-named arm, carpet-engaging pins carried by the heads, and braces secured one at each end of each head, the braces of the first-named head being secured also one to each of the first-named arms, and the braces of the second head being secured to the member.

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

CHARLES H. LAMSON.

Witnesses:

EMA L. NOTT,

CHARLES URHAN.