

(No Model.)

E. H. GURNEY & H. D. LARNED.
CARPET STRETCHER.

No. 586,659.

Patented July 20, 1897.

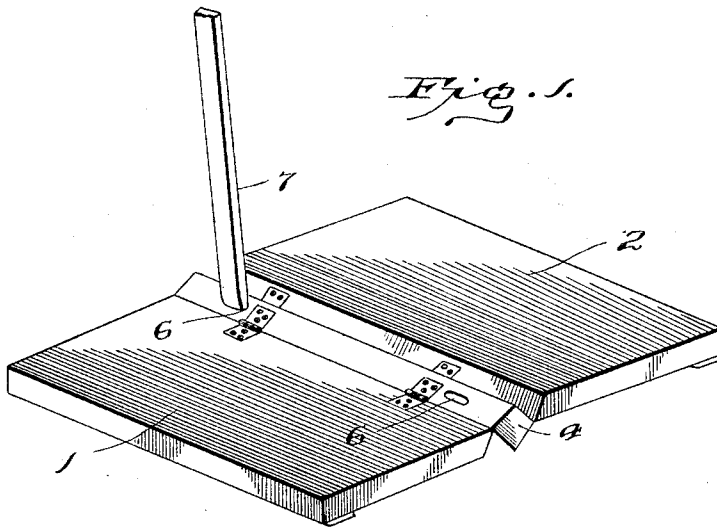


Fig. 2.

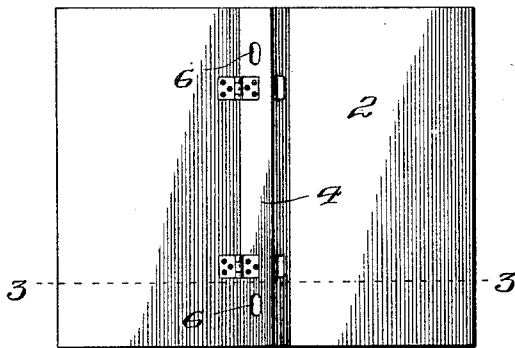


Fig. 4.

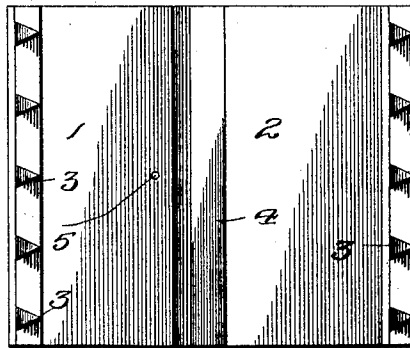
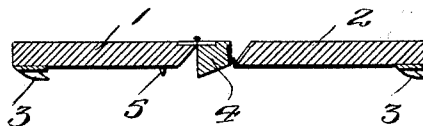


Fig. 3.



WITNESSES

C. D. Kester
A. M. Condit

INVENTORS

Edwin Harvey Gurney
Hiram D. Larned
By *John H. Haddock* Attorney

UNITED STATES PATENT OFFICE.

EDWIN HARVEY GURNEY AND HIRAM D. LARNED, OF CHAGRIN FALLS,
OHIO.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 586,659, dated July 20, 1897.

Application filed February 24, 1897. Serial No. 624,765. (No model.)

To all whom it may concern:

Be it known that we, EDWIN HARVEY GURNEY and HIRAM D. LARNED, of Chagrin Falls, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Carpet-Stretchers; and we 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.

The object of this invention is to provide a cheap, simple, and effective carpet-stretcher in which the carpet can be pulled or stretched up to the washboard and there held while a section of the implement is thrown back to permit the carpet to be tacked.

With the above ends in view the invention consists of two sections carrying teeth which engage the carpet and an intermediate section hinged to the aforesaid sections, so that by the manipulation of the said intermediate section the other section can be drawn upon and shoved alternately, an operating-lever being provided for the purpose, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view showing a carpet-stretcher constructed in accordance with our invention. Fig. 2 is a plan view with the operating-lever removed. Fig. 3 is a sectional view on the line 3 3 of Fig. 2. Fig. 4 is an inverted plan view of the device.

In the accompanying drawings the numerals 1 and 2 designate the outer sections of our improved carpet-stretcher, each consisting of a rectangular board or plate, to one edge of which is formed or attached teeth 3, the teeth on the edge of one of the boards being turned inward, while those on the edge of the other board are turned outward for the purpose hereinafter specifically set forth.

When the sections 1 and 2 are made of wood, we prefer to form the teeth 3 integral with a cross-bar, which is securely attached to the said boards, said bars being so secured to the said boards as to have the teeth project in proper directions. The boards 1 and 2 are connected at their ends opposite the teeth to a leverage-shaft or rock-bar 4, the board 1

being hinged to the upper edge of said rock-bar, while the board 2 is hinged to the lower edge of the same. The boards or sections 1 and 2 are beveled away from the rock-bar in opposite directions, as shown, in order that the said bar may be rocked with respect to the sections. The rock-bar is provided with a depending edge adjoining the section 1 and said section is provided with a spur 5, adjoining the depending edge, the latter keeping the said spur out of contact with the floor until the rock-bar is swung upward. The rock-bar or leverage-shaft 4 is provided in its upper side with openings 6 near each end and with said openings is adapted to engage an operating-lever 7.

By providing the two openings to receive the operating-lever the device can be manipulated in the corner of the room.

In manipulating a carpet-stretcher constructed as herein shown and described the device is placed upon the carpet and the operator stands thereon with a foot on the outer section or board, and then by bearing most of his weight on the board 2 moves the handle-bar 7 to the right, pulling upon the board 1, which carries the carpet with it. Now by bearing most of his weight on the board 1 and shifting the operating-lever in the other direction the board 2 is shoved upon, which takes up the slack. This operation is continued until the carpet has been stretched or pulled to the desired extent, after which the rock-bar is turned upon the board or section 1 to permit the spur 5 to be forced into the floor, after which the section 2 is turned over upon the section 1, thus leaving a space between the implement and washboard that will permit the carpet to be tacked.

It will be noted that the teeth or prongs 3 of the section 1 are turned toward the inner end of said section, while the prongs or teeth 3 of the section 2 are turned outward. This arrangement of teeth is provided so that the teeth of the section 1 will engage the carpet when the operating-lever is thrown to draw upon said section, and the teeth of the section 3 also engage the carpet when the lever is thrown in the other direction to shove upon the section 2 and take up the slack. It will also be noted that by providing the leverage-

shaft or rock-bar 4 with a depending edge adjoining the section 1, which carries the prong, said edge will prevent the prong entering the floor until it is desired to hold the carpet
5 while tacking the same.

This improved carpet-stretcher provides an implement which is not only cheap in construction, but very effective in operation, and possesses the advantage of being easily operated.
10

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a carpet-stretcher, the combination
15 with sections 1 and 2 having teeth on their under side, an interposed section hinged to the said outer sections at the upper edge of one and lower edge of the other, the inner
20 edges of said outer sections being beveled inwardly from their connection with the interposed section, and a lever secured to the interposed section, substantially as shown and for the purpose set forth.

2. In a carpet-stretcher, the combination
25 with the sections or boards 1 and 2, of plates secured to the edges thereof and having teeth,

a leverage-shaft or rock-bar hinged to said sections at the upper edge of one and the lower edge of the other, said sections being beveled inwardly from the hinges, and a bar or lever
30 rigidly connected to the leverage-shaft or rock-bar, substantially as shown and for the purpose set forth.

3. In a carpet-stretcher, the combination with the sections 1 and 2 having teeth at the
35 outer edge of their under side, a leverage-shaft or rock-bar hinged to said sections at the upper edge of one and lower edge of the other, the sections being beveled inwardly from the hinges; together with a spur at-
40 tached to the near inner edge of one section, and depending portion formed on the rock-bar adjoining said spur, substantially as shown and for the purpose set forth.

In testimony whereof we have signed this
45 specification in the presence of two subscribing witnesses.

EDWIN HARVEY GURNEY.

HIRAM D. LARNED.

Witnesses:

ERNEST P. WILMOT,

BERNARD R. LE ROY.