

(No Model.)

E. B. WILLIX.
CARPET STRETCHER.

No. 343,412.

Patented June 8, 1886.

Fig. 1.

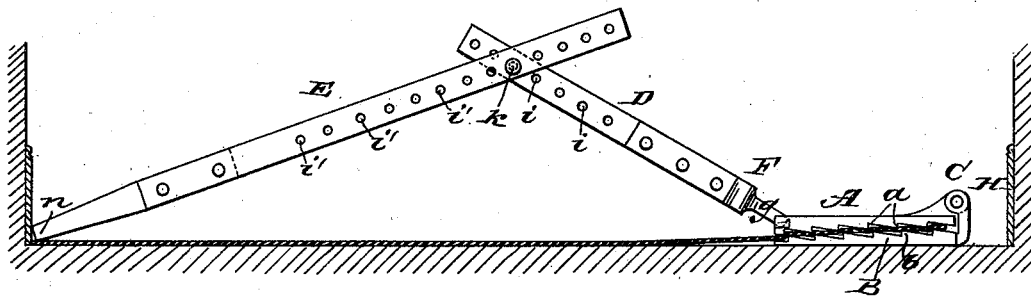
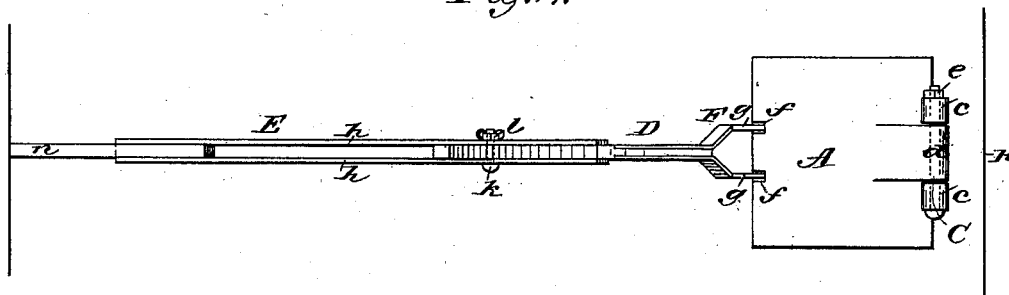


Fig. 2.



WITNESSES:

WITNESSES:
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UNITED STATES PATENT OFFICE.

ENOS B. WILLIX, OF DOWS, IOWA.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 343,412, dated June 8, 1886.

Application filed March 6, 1886. Serial No. 194,273. (No model.)

To all whom it may concern:

Be it known that I, ENOS B. WILLIX, of Dows, in the county of Wright and State of Iowa, have invented a new and Improved
5 Carpet-Stretcher, of which the following is a full, clear, and exact description.

This invention relates to the construction of a cheap, efficient, and durable carpet-stretcher, so arranged that while it may be
10 used to stretch the carpet and subject it to a high strain it will not injure the texture of the fabric.

Reference is to be had to the accompanying drawings, forming a part of this specification,
15 in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a side view of my improved carpet-stretcher, representing the same as in position for use; and Fig. 2 is a plan view of
20 the carpet-stretcher.

Referring now to the construction illustrated in the drawings above referred to, A, B represent jaws formed with ribbed faces *a*
25 *b*, so proportioned that the ribs will intermesh, as shown in Fig. 1, the two jaws being united by a hinge-joint, C, formed from lugs *c c*, made integral with the jaw B, and a lug, *d*, made
30 integral with the jaw A, the lug *d* being between the lugs *c c*, the parts being united by a bolt, *e*. Two notches, *f f*, are formed upon the side of the upper face of the plate A, that is parallel with the hinge C.

In addition to the jaws A B, constructed as just described, I employ two levers, D and E,
35 the lever D being formed with a bifurcated end, F, of which the legs *g g* fit into the notches *f f*, formed in the jaw A. The upper end of the lever is provided with a series of apertures, *i i i*. The lower portion of the
40 lever E is formed from a strip of stout tough wood, to either side of which metallic arms *h h* are bolted, these arms being formed with perforations *i'*, the strips being so spaced that the upper end of the lever D will pass between them. The two levers are held together
45 by a bolt, *k*, and a wing-nut, *l*, the levers being adjusted so that when the bifurcated end F is brought into engagement with the jaw A and the parts placed in the position shown in Fig. 1, a downward pressure
50

upon the levers will carry the outer edge of the clamping mechanism close up to the base-board of the apartment in which the carpet is to be laid, it being understood that in using the stretcher one edge of the carpet is tacked
55 to place, while the other edge is inserted between the jaws A and B, the levers being placed as shown—that is, with the foot *n* of the lever E against the base-board of the apartment, just above the tacked edge of the
60 carpet, and the bifurcated end of the lever D in engagement with the notches *f* of the jaw A—so that as the levers are pressed downward the jaw A will be forced downward, thus clamping the carpet, and at the same
65 time both jaws will be moved up toward the base-board H, thereby drawing the carpet to place.

I am aware that a carpet-stretcher has been formed of two adjustable pivoted levers, clamping-jaws being pivoted between their ends to
70 two arms at the end of one lever, and provided with set-screws at their inner ends to force their outer or forward ends down upon the said arms, corrugations being formed in the
75 meeting faces of the jaws and the arms; also, that two adjustable levers have entered slots in the rear edges of two flat blocks, the lower faces of which were provided with pins; and I do not claim such constructions as of my
80 invention. By hinging the clamping-jaws A B of my stretcher at their outer or forward edges, and causing one of the levers to bear on the upper jaw at its inner edge, the jaws are held firmly together without the necessity
85 of set-screws or other devices, which, of course, materially simplifies and cheapens the construction.

Having thus fully described my invention, what I claim as new, and desire to secure by
90 Letters Patent, is—

1. A carpet-stretcher made substantially as herein shown and described, and consisting of two jaws connected by a hinge-joint at their outer or front edges, and formed with
95 ribbed meeting faces and adjustably-connected levers, one of which has a bearing on the rear or inner edge of the upper jaw, substantially as described.

2. In a carpet-stretcher, the combination, 100

with jaws A B, formed with ribbed faces *a b*,
and united by a hinge-joint, C, the jaw A be-
ing formed with recesses *f f*, of levers E and
D, the lever D being formed with a bifur-
cated end, F, while the lever E is provided
5 with metallic strips *h h*, each lever being pro-
vided with apertures, and the two levers be-
ing connected by a bolt, *k*, substantially as de-
scribed.

ENOS B. WILLIX.

Witnesses:

D. W. BOWEN,
W. BARBER.