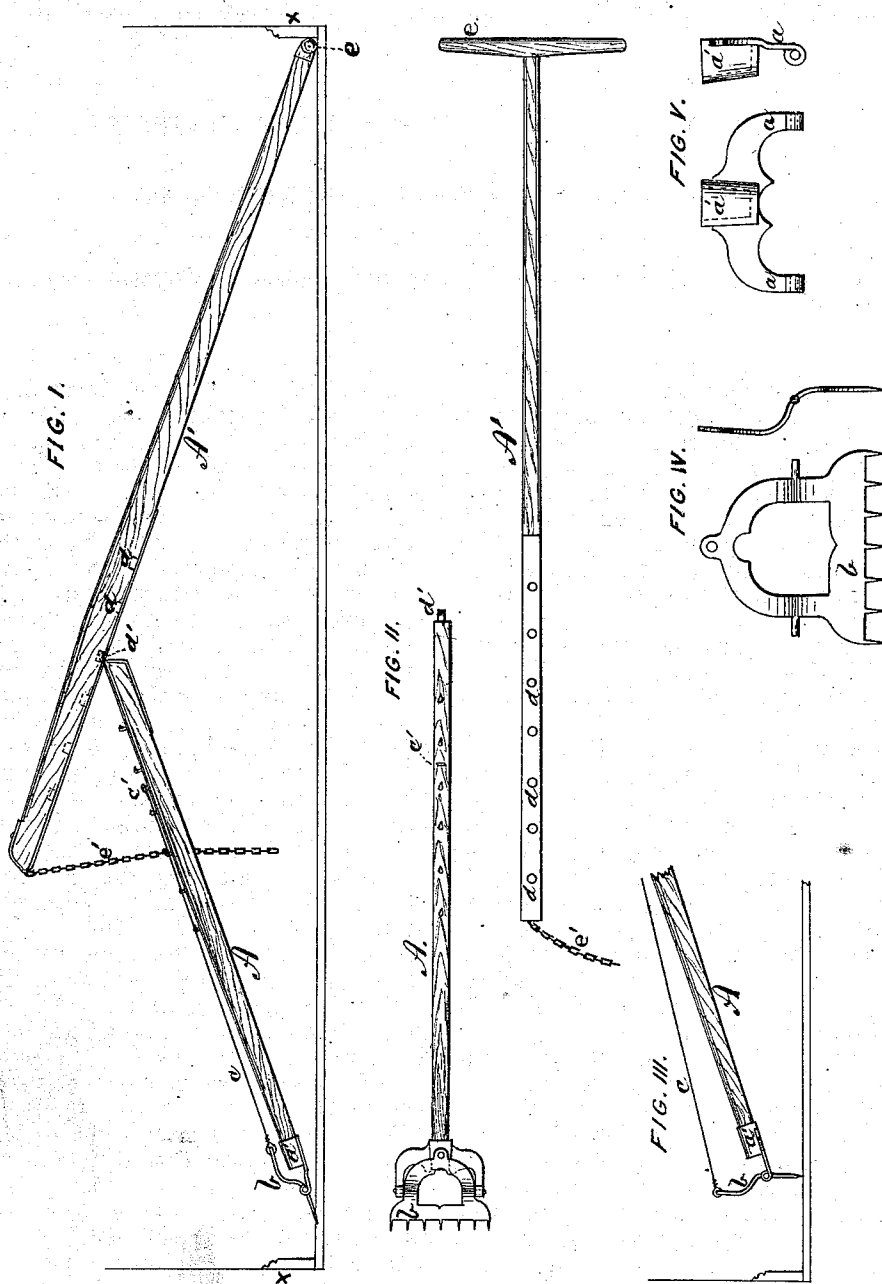


G. H. FORD.
Carpet-Stretchers.

No. 158,926.

Patented Jan. 19, 1875.



WITNESSES:

B. L. Durand,
J. S. Payne.

INVENTOR:

Gideon H. Ford,
by J. B. F. James,
Att. Atty.

UNITED STATES PATENT OFFICE

GIDEON H. FORD, OF JERSEYVILLE, ILLINOIS.

IMPROVEMENT IN CARPET-STRETCHERS.

Specification forming part of Letters Patent No. **158,926**, dated January 19, 1875; application filed July 30, 1874.

To all whom it may concern:

Be it known that I, GIDEON H. FORD, of the town of Jerseyville, county of Jersey and State of Illinois, have invented a new and Improved Carpet-Stretcher; and I do hereby declare the following to be a true and correct description of the construction and operation of the same, reference being had to the annexed drawings making part and parcel of this my specification.

The nature of my invention consists in the construction of a head-piece with projecting arms, to which a tooth-plate may be attached, and the latter controlled in its movement by a rod connected with tooth-plate, and secured, when desired, to the lever, upon which the head above referred to is placed.

In the drawings, Figure 1 is a plan view of the stretcher, in a proper position to be applied to the purpose of stretching the carpet, the sides of the room being represented at *x x*. Fig. 2 is a front view of the two levers, to one of which the head-piece, and the metallic frame, and tooth-plate or hook are attached, and to the other lever the foot-piece is attached. Fig. 3 is a side view of a portion of the lever, metallic frame, and hook or tooth plate, and the rod connecting the metallic frame and tooth-plate or hook to the lever. Fig. 4 shows a front and end view of the metallic frame and hook, and Fig. 5 a front and end view of the head-piece and arms.

A A' are two levers. Upon A' is secured the foot-piece *e*, resting against the wall *x*, that keeps the two levers in an upright condition. *a'* is the head-piece, attached to the lever A; *b*, the metallic frame, with its hook or tooth plate; *c*, the rod connecting said frame, with the pins *c'*; *d d'*, spaces formed upon and within the lever A', to receive the hook *d'*, upon the end of lever A; *e*, a chain connected

with the upper end of the lever A', that can be fastened to hooks placed upon the upper side of the lever A, as seen in Fig. 1.

The operation is as follows: The carpet is tacked or nailed to the floor at one side or end of the room, when the stretcher is applied, the foot-piece resting upon the carpet so tacked and against the wall or base-board, the two levers united by means of the hook and spaces above described, and the metallic frame and hook or tooth plate is in position, as seen in Fig. 3. The rod *c* is then drawn back until the frame and hook or tooth plate are in position, (seen in Fig. 1,) and securely fastened to the hooks or pins upon lever A. Pressure is then applied to the upper end of lever A', that causes the carpet to be stretched and fitted to its proper position upon the floor, while the chain is adjusted to the hooks upon the lever A, retaining the carpet in such stretched position until it is secured by nails or tacks.

It will be seen that, before the pressure is applied to the levers, the metallic frame and hook or tooth plate are in line with the force or weight upon the lever A, and not liable to be disengaged from the carpet. If desired, either or both of said levers may be lengthened by splicing the same.

What I claim as my invention, and desire to secure by Letters Patent, is—

The head-piece *a'* and arms *a*, in combination with the adjustable tooth-plate *b* and its connecting-rod *c* and lever A, the whole constructed, operated, and arranged in the manner and for the purpose herein set forth.

GIDEON H. FORD.

Witnesses:

J. C. DARBY,
LEWIS RANDOLPH.