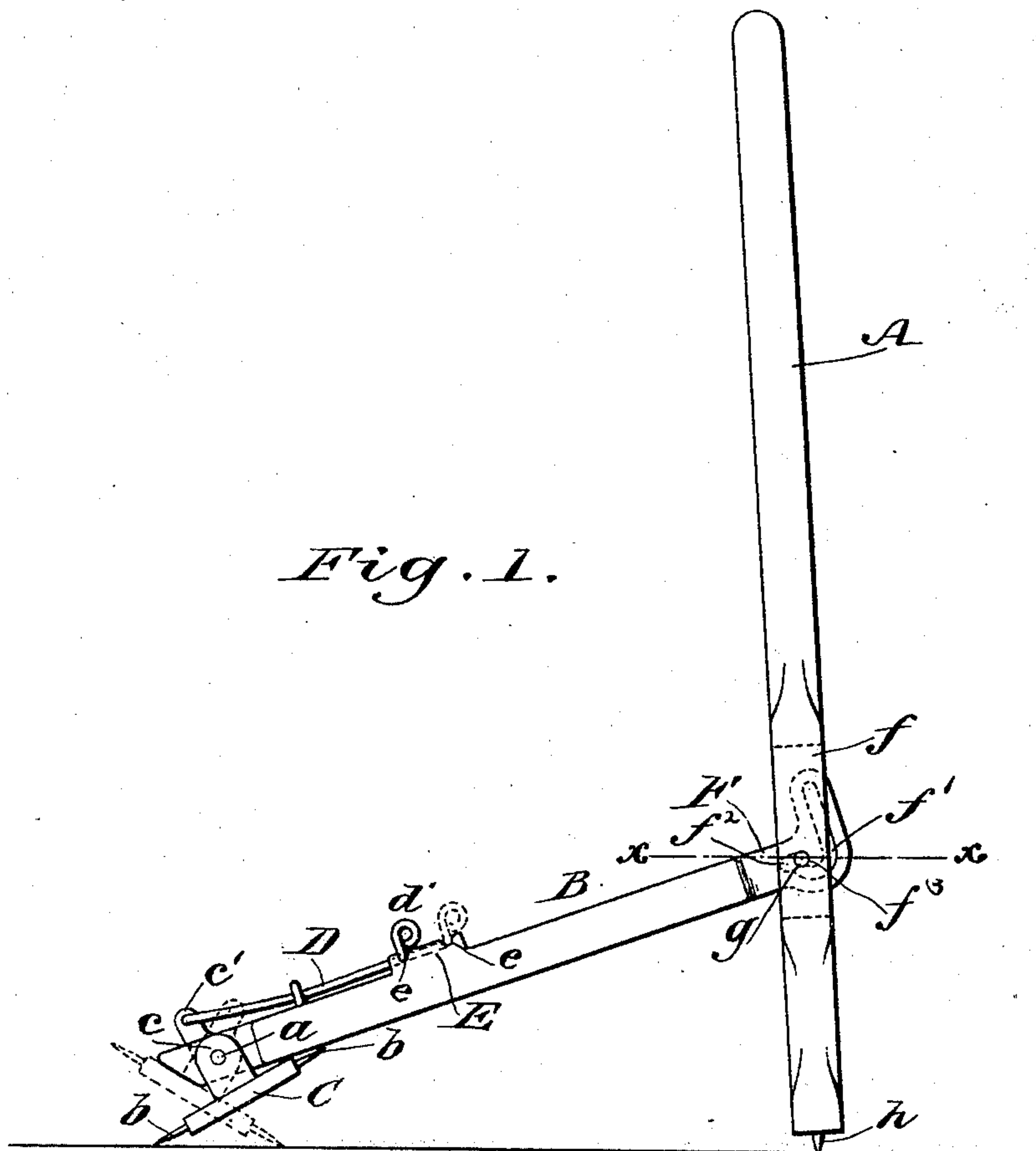


(No Model.)

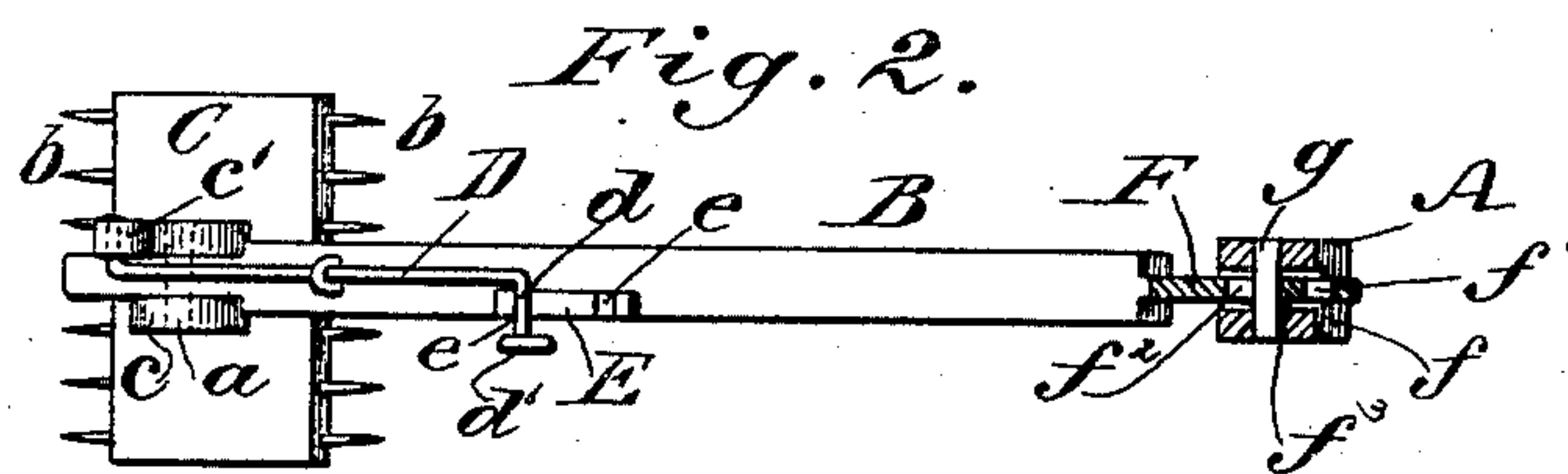
C. GROVER.  
CARPET STRETCHER.

No. 324,766.

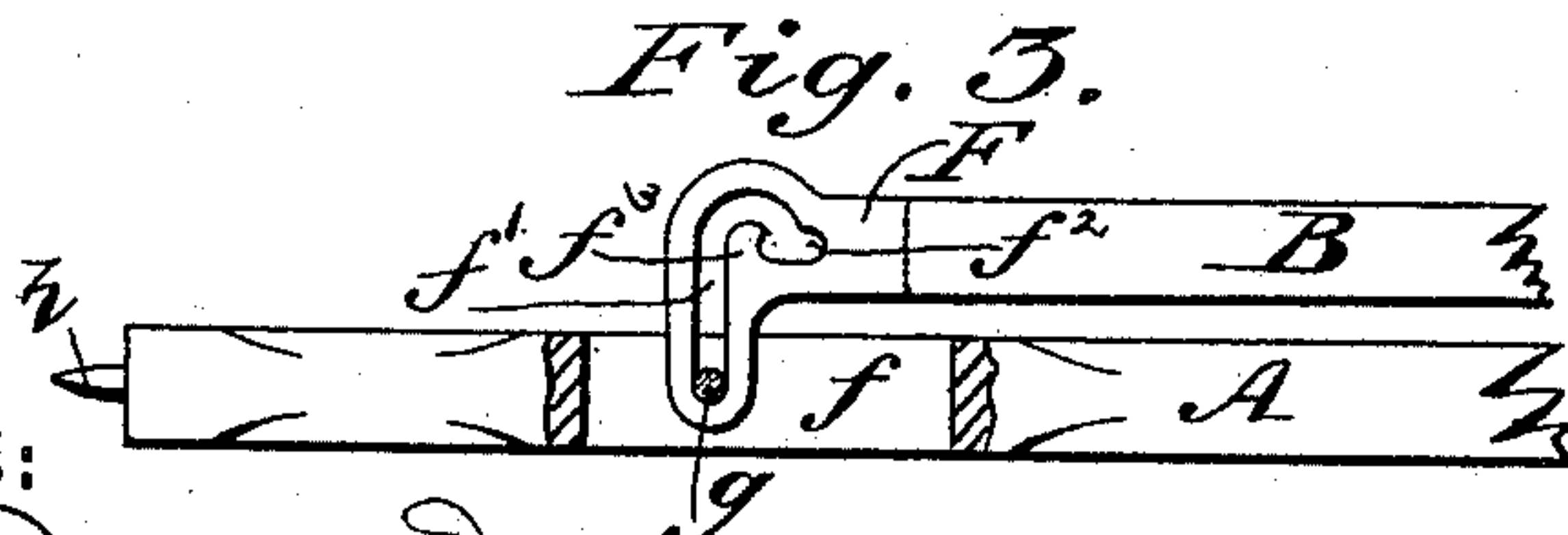
Patented Aug. 18, 1885.



*Fig. 1.*



*Fig. 2.*



*Fig. 3.*

**WITNESSES :**

John H. Deemer  
C. Sedgwick

**INVENTOR:**

C. Grover  
BY Munn & Co  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

CHARLES GROVER, OF KANSAS CITY, MISSOURI.

## CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 324,766, dated August 18, 1885.

Application filed March 19, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES GROVER, of Kansas City, in the county of Jackson and State of Missouri, have invented a new and Improved Carpet-Stretcher, of which the following is a full, clear, and exact description.

The object of my invention is to provide a practical carpet-stretcher constructed to enable the user to both pull and push the carpet for stretching it, and one so constructed that it may be folded into small compass when not in use; and the invention consists of the construction, arrangement, and combination of parts, all as hereinafter described and claimed.

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

Figure 1 is a side elevation of my new and improved carpet-stretcher. Fig. 2 is a sectional plan view of the same, taken on the line *x x* of Fig. 1; and Fig. 3 is a detailed sectional plan view showing the device folded, parts being broken away.

A is the main lever of the carpet-stretcher. To this is connected the bar B, and to the outer end of the bar B is pivoted upon pin *a* the head-piece C, which has teeth or points *b* formed upon or secured to its front and rear edges to engage with the carpet to be stretched. The pivot-pin *a* passes through the two lugs *c c'*, formed or secured upon the upper surface of the head-plate C. The lug *c'* is extended to form a lever that extends above the upper surface of the bar B, as shown clearly in Fig. 1, and to this lever *c'* is attached the rod D, for turning the head-plate C on pivot *a* from the position shown in full lines to that shown in dotted lines. When the head C is in the position shown in full lines in Fig. 1, the action of the stretcher is to push the carpet from the operator, and when in the position shown in dotted lines the action is to pull the carpet toward the operator. The rod D is bent at its upper end first, as shown at *d*, and then to form the eye *d'*, that serves as a handle to operate the rod and head-plate C, while the por-

tion of the rod between the bend *d* and eye *d'* serves to enter the notches *e e* of the plate or flange E on bar B, so that the rod D will act also as a lock for holding the head-plate C when turned to either of the positions illustrated in Fig. 1.

The rear end of the bar B is formed or provided with the plate portion F, which passes through a slot, *f*, made in the main lever A, and this plate portion F has the curved slot *f'* formed in it, through which the pivot-pin *g* passes for securing the bar B to the main lever A. The curved slot *f'* is for the main part made vertical, but is curved and enlarged, as shown at *f''*, to receive the pin *g*, and to form the hook or projection *f'''*, that engages with the pin *g* and retains it in the enlargement *f''* of the curved slot *f'*, as shown in dotted lines in Fig. 1, when the bar B is brought to position for use. When the device is not in use, the curved and vertical portion of the slot *f'* enables the bar B to be folded flat against the main lever A, as shown in Fig. 3, so that the device may be conveniently carried, packed, or stowed away.

The lower end of the main lever A is provided with one or more points, *h*, to pass through the carpet into the floor to fulcrum the lever.

I am aware that carpet-stretchers with pivoted head-pieces having teeth at one edge have heretofore been constructed; but such head-pieces are not double-acting, to push or pull the carpet, and hence do not come within the scope of my invention, and I lay no claim thereto.

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

1. The carpet-stretcher herein shown and described, consisting of the main lever A, bar B, and head C, pivoted to the bar B by central upright plates or lugs, and provided with points *b* at both edges, substantially as and for the purpose set forth.

2. The head C, provided with points *b* at both edges, and pivoted to the bar B by central lugs or plates, *c c'*, in combination with the rod D and notched plate E, the rod D be-



ing attached to plate C' for reversing the head C, substantially as and for the purposes set forth.

3. The bar B, formed or provided with plate  
5 F, having curved slot  $f'$ , in combination with the main lever A and pin  $g$ , substantially as and for the purposes set forth.

4. The bar B, having plate F, having the

curved slot  $f'$  formed in it, the slot being enlarged at  $f^2$  to form the lip  $f^3$ , substantially as and for the purposes set forth.

CHARLES GROVER.

Witnesses:

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