

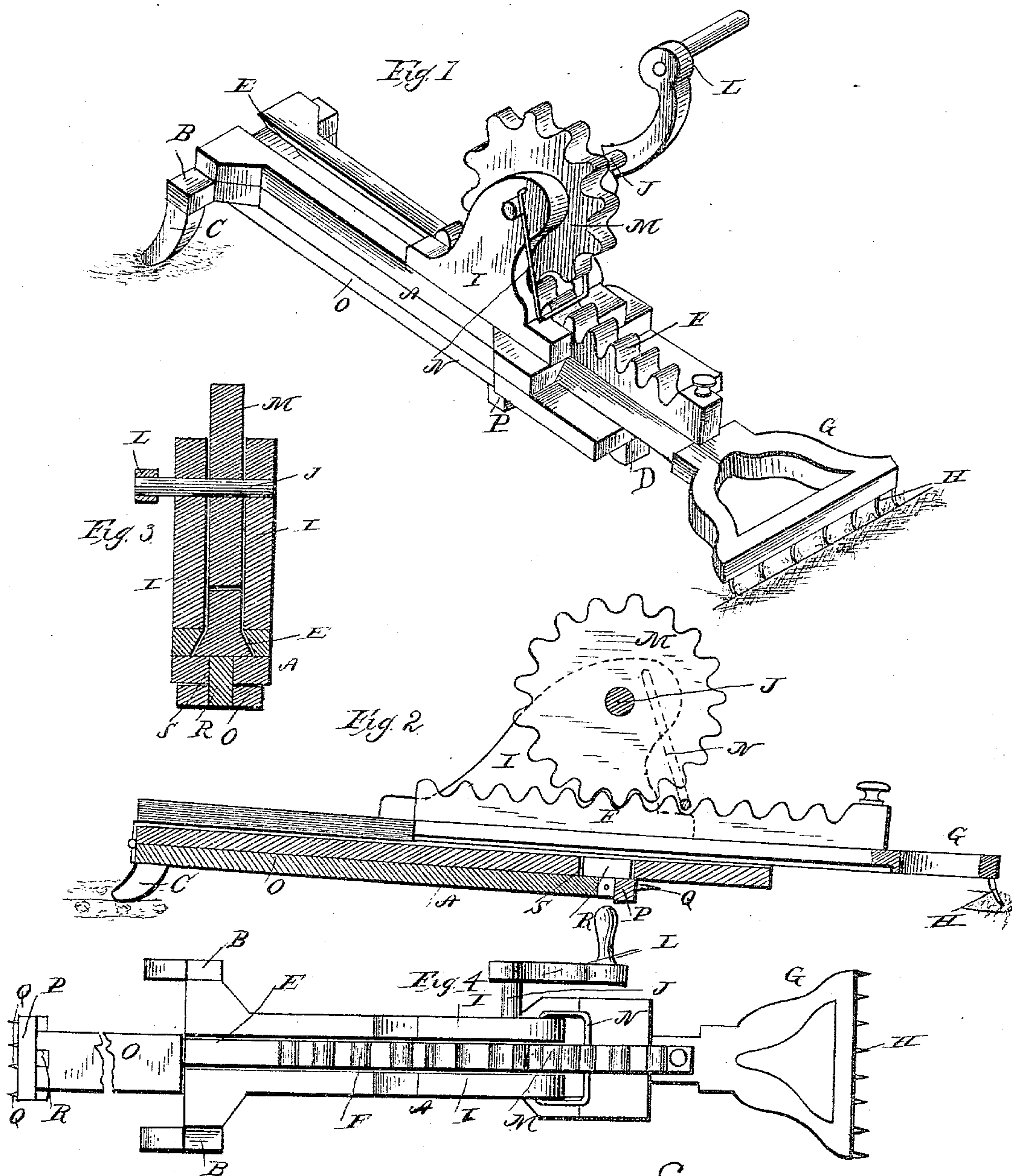
(No Model.)

E. P. POINDEXTER.

CARPET STRETCHER.

No. 300,396.

Patented June 17, 1884.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

EMMET PATTERSON POINDEXTER, OF WOBURN, ILLINOIS.

## CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 300,396, dated June 17, 1884.

Application filed February 26, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, EMMET P. POINDEXTER, a citizen of the United States, residing at Woburn, in the county of Bond and State of Illinois, have invented a new and useful Carpet-Stretcher, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to carpet-stretchers; and it has for its object to simplify and cheapen the construction and make such devices more convenient and efficient in use.

A further object of the invention is to provide a device which will stretch the carpet at one or both ends, and which will have considerable power, and yet be easily governed.

To attain these ends the said invention consists in certain details of construction and combination of parts, as hereinafter set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved carpet-stretcher applied in position for use. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a transverse sectional view of the line *x x*, Fig. 2. Fig. 4 is a plan view illustrating the supplemental bar extended in stretching from both ends of the device.

Like letters of reference are used to indicate corresponding parts in the several figures.

Referring to the drawings, A designates the base of my improved carpet-stretcher, fitted at its rear end in a cross-bar, B, to which are attached legs C C, to support the rear end of the device, an extension, D, projecting downwardly from the bottom face of the base, and adapted to bear against the floor to raise the front end of the device. The base A is provided with a central longitudinal dovetail slot, E, in its upper face, to receive a rack-bar, F, which is likewise dovetailed at its lower side to fit in the said slot, the front portion of the rack-bar terminating in the frame G, to which teeth or spurs H are attached, said teeth being adapted to catch in the carpet when the device is in use.

I designates uprights projecting up from the top portion of the base, near the front end, and in said uprights is journaled a shaft, J, carrying at one end a crank or handle, L, a gear-wheel, M, being mounted on said shaft between the

uprights, and meshing with the rack-bar, for the purpose which will be presently described. A wire bail, N, is pivoted in the uprights, and engages with the teeth of the rack-bar, and acts as a pawl to hold said bar from backward movement, but allows the free forward movement of the same.

O designates a hinged supplemental beam, hinged to the cross-bar B at one end, and provided at its other end with a cross-piece, P, to which any number of teeth, Q, may be secured, the inner face of the beam being provided with a projecting stud, R, which, when the beam is folded against the under side of the base A, fits in a groove or recess, S, and is thus held in position. As shown, the lower portion of the base A projects or extends forward beyond the upper portion, and thus serves as a support for the rack-bar as the latter is moved forward.

The operation of my invention will be readily understood from the foregoing description, taken in connection with the annexed drawings. The device is applied to the carpet in the manner well known, the spurs or teeth of the frame G catching in the carpet, and when the crank or handle L of the device is operated the gear-wheel M will engage with the teeth of the rack-bar F and move the same, together with the frame G, in a forward direction, and thereby cause the stretching of the carpet to any desired extent, the yoke or bail N engaging with the teeth of the rack-bar and preventing backward movement of the same, and thus hold the carpet in the extended position.

The legs C and extension D serve to raise the base of the device above the carpet while in use, and if it is desired to stretch the carpet from both ends of the device the supplemental beam O is thrown back to the position shown in Fig. 4, the teeth Q engaging with the carpet, as will be seen. In Figs. 1 and 2 I have shown the supplemental beam arranged in position against the under side of the base, the device being shown in the position to stretch the carpet only at one end; but for large rooms I employ the supplemental beam, as it serves to stretch the carpet more thoroughly.

The carpet-stretcher above described, is simple, inexpensive, durable, and efficient, and may be readily operated to stretch the carpet



thoroughly and without any injury to the carpet.

Having described my invention, I claim as new and desire to secure by Letters Patent of the United States—

1. In a carpet-stretcher, the combination, with the base, a rack-bar moving therein and carrying a stretching-frame at its front end, and means for operating said rack-bar, of a supplemental beam hinged to the rear end of the base and provided with teeth on its end, said beam being adapted to be either extended to stretch the carpet at both ends of the device or folded up in position against the under side of the base, as set forth.

2. In a carpet-stretcher, the combination, with the base provided with a dovetail slot, of a rack-bar having its lower end dovetailed to fit in said slot, and provided with a stretching-frame at its front end, uprights mounted on said base and having a shaft journaled therein, a gear-wheel mounted on said shaft and engaging with the rack-bar, and a crank or handle for operating the shaft, as set forth.

3. In a carpet-stretcher, the combination, with the base provided with a dovetail slot, of a rack-bar having its lower end dovetailed to fit in said slot, and having a stretching-

frame at its front end, uprights mounted on the base, a shaft journaled in the uprights, and carrying a gear-wheel which is disposed between the uprights, and a crank or handle at the end of the shaft, and a yoke or bail journaled in the uprights and engaging with the rack-bar to hold the same from backward movement, as set forth.

4. The carpet-stretcher having its base provided with legs C C at its rear end, and an extension projecting downwardly from the front end of the base, to raise the device from above the carpet, as set forth.

5. In a carpet-stretcher, the combination, with the base, of the supplemental beam hinged at its rear end to the same, and provided at its other end with a cross-piece having projecting teeth or spurs, and a stud projecting from the inner face of the beam at this end and fitting in a recess of the base when said beam is folded up, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

EMMET PATTERSON POINDEXTER.

Witnesses:

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