

(No Model.)

J. J. PLOWMAN.
CARPET STRETCHER.

No. 436,088.

Patented Sept. 9, 1890.

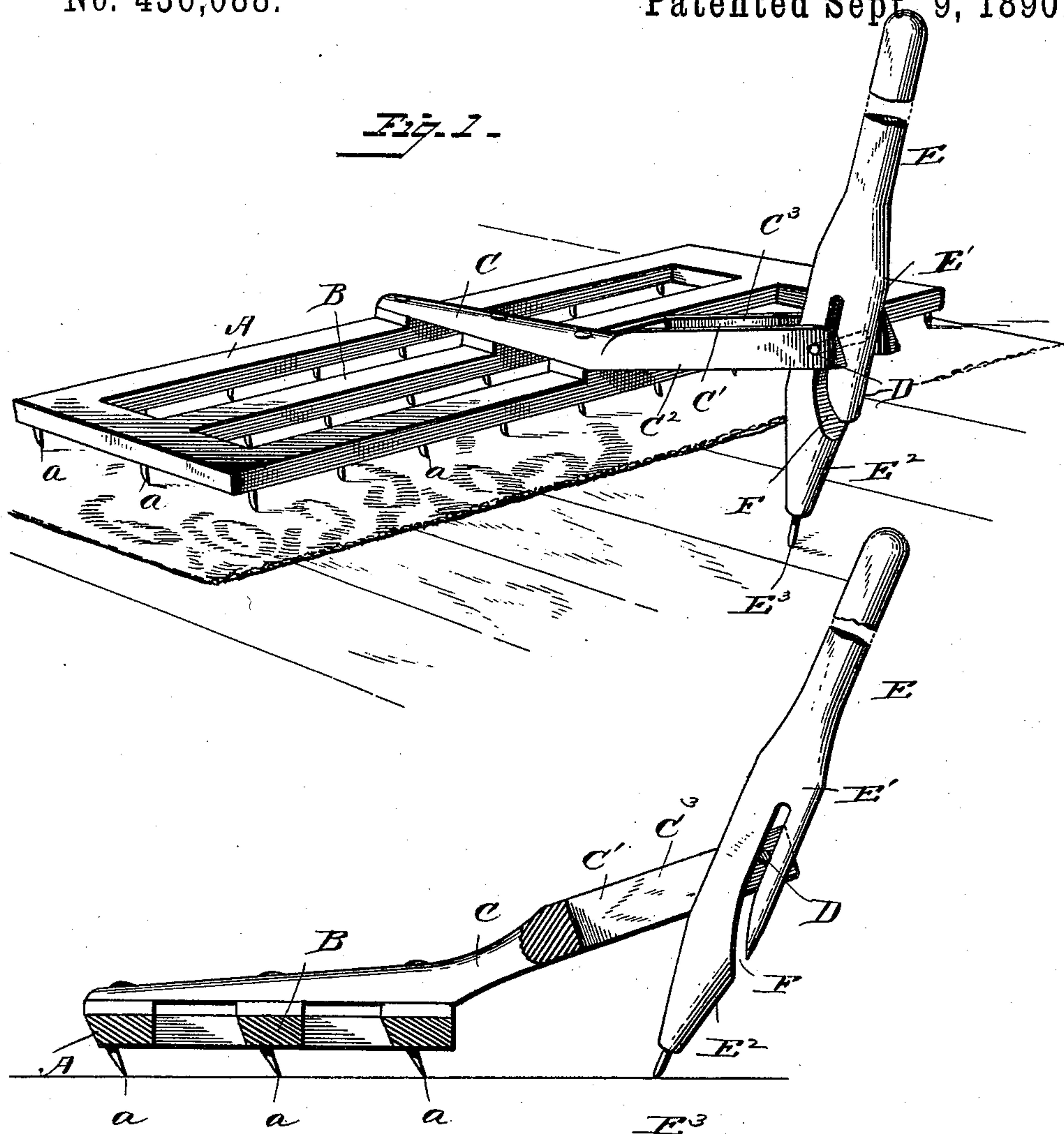


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN J. PLOWMAN, OF ALBION, NEW YORK.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 436,088, dated September 9, 1890.

Application filed March 11, 1890. Serial No. 343,461. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. PLOWMAN, a citizen of the United States, residing at Albion, in the county of Orleans and State of New York, have invented certain new and useful Improvements in Carpet-Stretchers; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in carpet-stretchers; and it has for its object to improve upon the construction, and at the same time to simplify and cheapen and render more efficient in operation this class of appliances.

To these end and to such others as the invention may pertain the same consists in the peculiar construction and in the novel combination, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the accompanying drawings, and then specifically defined in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, like letters of reference indicating like parts throughout the several views, and in which drawings—

Figure 1 is a perspective view of a carpet-stretcher embodying my invention. Fig. 2 is a cross-section of the same.

Reference now being had to the details of the drawings by letter, A designates the main frame of the machine, which is preferably rectangular in form and is provided with a central longitudinal timber B. The lower faces of both the side timbers of the frame A and also the under face of the timber B are provided with a series of short pins or projections *a*, said pins being all of a uniform length and all being inclined forward at a slight angle, as shown.

C is a casting, the rear end of which is secured to the upper face of the frame A at its longitudinal center, while the body of the casting is inclined upward at a slight angle and is extended for a considerable distance be-

yond the front edge of the frame. The body of the casting C is provided with a rectangular vertical recess C', the portions C² and C³ forming the sides of the recess being connected at a point adjacent to their outer ends by a transverse bar or shaft D.

E is the operating-lever, which is preferably made of cast metal and at a single casting. This lever is provided at a point near one of its ends with an enlarged portion or head E', the head being tapered, as shown at E², and at its extreme end provided with a point or projecting pin E³.

F is a longitudinal slot, which is formed within the body of the head E', the open entrance of the said slot being in the direction of the lower end of the lever, as shown.

The operation of the device is simple and will be readily understood. The device being placed upon the carpet to be stretched and drawn slightly forward, the pins *a* will at once engage the carpet. The lever E is then placed in position, as shown in Fig. 1 of the drawings, the slot F in the head of the lever passing over the rod or shaft D. It will be seen that when the lever has thus been placed the point at the extreme end of the lever will enter the floor, and by imparting a forward movement to the upper end of the lever the frame, which is attached to the carpet, will be drawn forward.

I deem it important that the body portion of the casting C should be rigidly secured to the stretcher-frame, and that the portion of said casting which projects beyond the edge of said frame should be extended upward at an angle, as described, as by this construction the operator is enabled by a single movement to connect the operating-lever, and without necessitating the raising of the bail from the floor, as would be the case were a flexible or pivoted bail employed. The importance of this feature will be more readily understood when it is considered that at the time of operating the stretcher it frequently occurs that the operator finds it necessary to use but one hand to operate the device.

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

The herein-described improvement in carpet-stretchers, the same comprising, in com-

5 bination, the frame A, provided upon its lower surface with inclined pins *a*, the casting C, secured to the upper face of the frame at its longitudinal center, the body portion of the
10 casting extending beyond the front edge of the frame, inclined upwardly, and provided with a vertical opening C', the transverse shaft D within the entrance of the opening, and the operating-lever E, of cast metal, hav-
15 ing an enlarged and tapered head provided with a pin E⁸, and longitudinal slot F, open

at its lower end and adapted to detachably engage the transverse bar D of the casting, substantially as shown and described, and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN J. PLOWMAN.

Witnesses:

ISAAC S. SIGNET,
C. H. BROOKS.