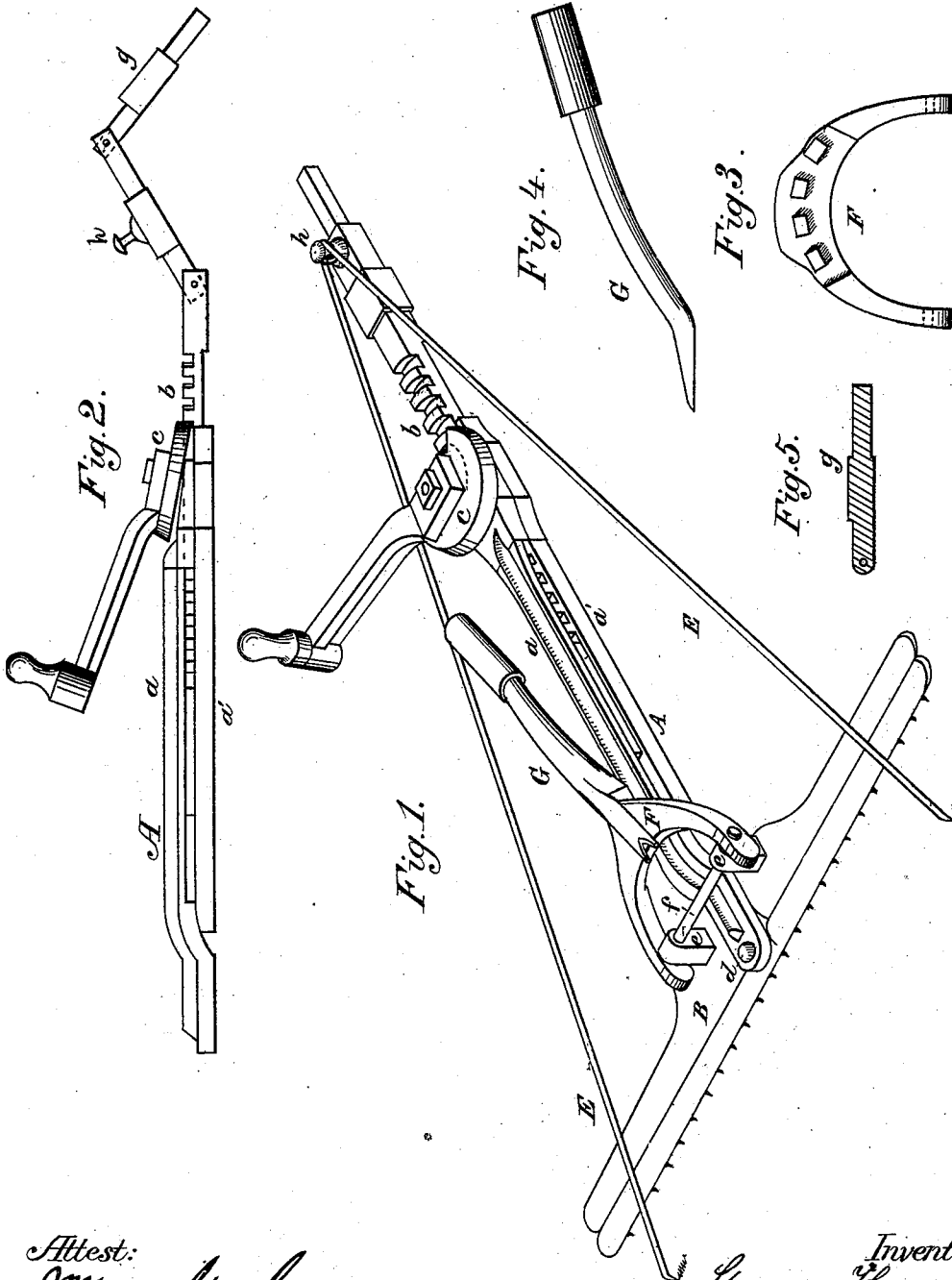


S. THOMPSON.
CARPET STRETCHER.

No. 179,080.

Patented June 20, 1876.



Attest:
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UNITED STATES PATENT OFFICE.

SPENCER THOMPSON, OF BYRON, NEW YORK.

IMPROVEMENT IN CARPET-STRETCHERS.

Specification forming part of Letters Patent No. **179,080**, dated June 20, 1876; application filed April 17, 1876.

To all whom it may concern:

Be it known that I, SPENCER THOMPSON, of Byron, in the county of Genesee and State of New York, have invented certain new and useful Improvements in Carpet-Stretchers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to certain improvements in carpet-stretchers; and it consists in the construction and arrangement of the various devices, which will be more fully hereinafter set forth and described.

In the annexed drawings, Figure 1 is an isometrical perspective of the complete implement. Fig. 2 is a side view of the extensible arm, with rack and knee-lever. Fig. 3 is a view of the under surface of yoke. Fig. 4 is a view of the hand-lever or handle to yoke, and Fig. 5 is a view of one of the adjustable sections.

A represents the extensible arm, composed of the bars *a a'* and the rack *b*, placed between the latter. The rack *b* moves in a groove formed in the bar *a'*, and is operated by the scroll-wheel *c*, so as to extend the arm and carry forward the head B, which has a number of hooks or prongs on its under surface, for the purpose of catching hold of the carpet and drawing it forward, so as to stretch it. The head B is provided with a pin, *d*, placed near its front edge, which passes through a hole in the forward end of the arm A, and also with lugs *e e* at its rear edge, by means of which, in connection with the yoke F and pin *f*, it is secured to the arm A in such a manner that it may be moved from side to side obliquely, and held in that position when it is desired to stretch the carpet toward the corner of the room. On the upper surface of the yoke F is a beveled slot for the reception of the adjustable lever or handle G, for moving it, and it also has a series of teeth on its under surface, which engage with a bead upon the top of the arm A, and so holds the head B in any desired position. The handle G, having a claw at its end, is useful for drawing nails or tacks.

By attaching to the arm a number of the ad-

justable sections *g*, it may be made sufficiently long to extend across the room. These sections are made with sockets and tenons or studs, by which they are united to each other, being securely held by means of suitable ferules. Two of these sections may be joined with a pivot, so as to form a toggle-joint or knee-lever, the extension of which will push forward the arm A and stretch the carpet, with which the prongs on the head B are engaged.

In laying and stretching a carpet, the rear end of the implement is placed against the mop-board on that side of the room from which extension is to be made, the adjustable sections being arranged with or without toggle-joint, as may be desired. When the toggle-joint or knee-lever is employed, the rack and scroll-wheel are usually dispensed with, as sufficient force is exerted by the extension of the lever to stretch a carpet to the requisite degree of tension.

The operation of the implement is obvious. By applying a suitable force to the toggle-joint or knee-lever when employed, it is extended in a straight line, pushing forward the arm A; or the toggle-joint may be dispensed with, and extension effected by turning the handle of the scroll-wheel *c*, when the bars *a a'* in either case will be pushed forward, carrying with them the head B, and so stretching the carpet with which its prongs or hooks are engaged.

Instead of resting the implement against the mop-board, as above described, it may be placed at or near the center of the room, and a bearing obtained by the aid of the V-shaped rod E, which has a ring for fitting over the button *h* on the first adjustable section, and is provided with pointed hooks at its forward extremities for insertion into the floor in advance of the implement, or into the mop-board at that end of the room to which extension is being made. In this case the knee-lever and adjustable sections are not employed, extension being effected by means of the rack and scroll-wheel. The head B having been advanced by either means as far as possible, the carpet is secured by a few tacks until the position of the implement can be changed and the operation repeated.

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

1. The arm A, composed of the bars *a a'*, rack *b*, and scroll-wheel *c*, in combination with the head B and yoke F, as and for the purpose specified.

2. The head provided with the pin *d* and lugs *e e*, in combination with the yoke F, having a series of teeth on its under surface, and

a handle, G, for operating it, substantially as shown and described.

In testimony whereof I have hereunto affixed my signature this 31st day of March, 1876, in presence of two witnesses.

SPENCER THOMPSON.

Witnesses:

JAS. T. BOYNTON,

WARREN J. TYLER.