

No. 776,034.

PATENTED NOV. 29, 1904.

W. A. SHOEMAKER.
CURTAIN STRETCHER PIN.

APPLICATION FILED APR. 6, 1904.

NO MODEL.

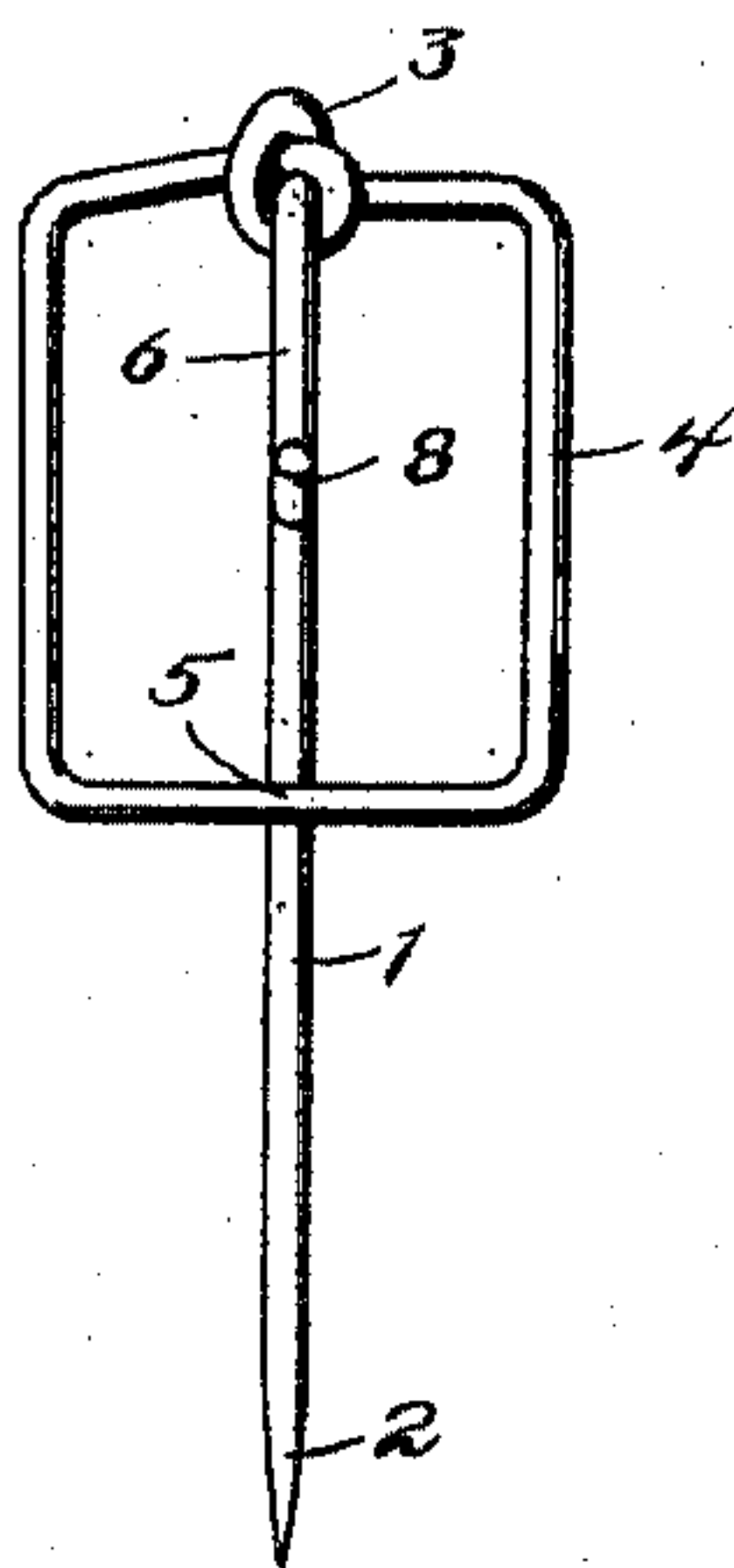


Fig. 1

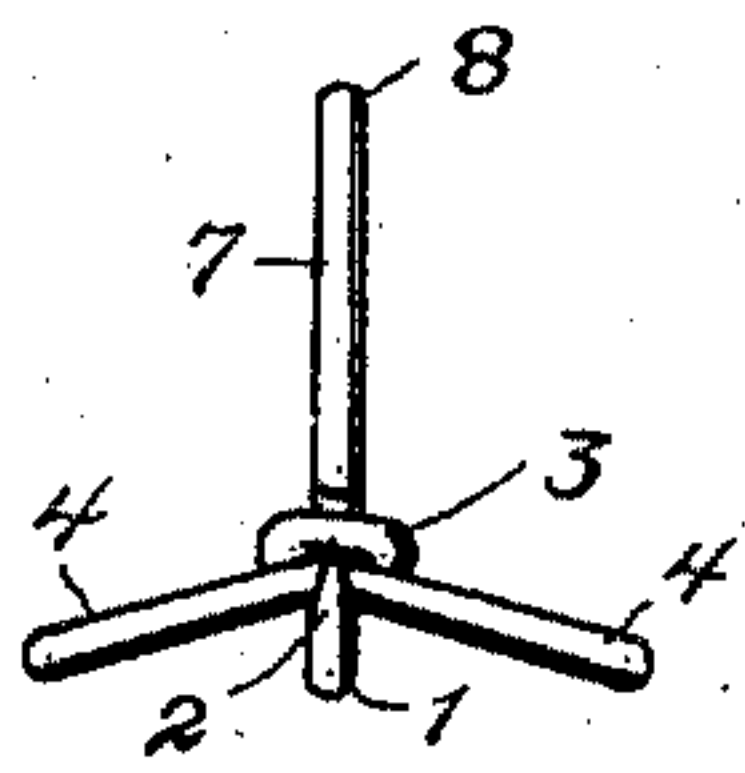


Fig. 2

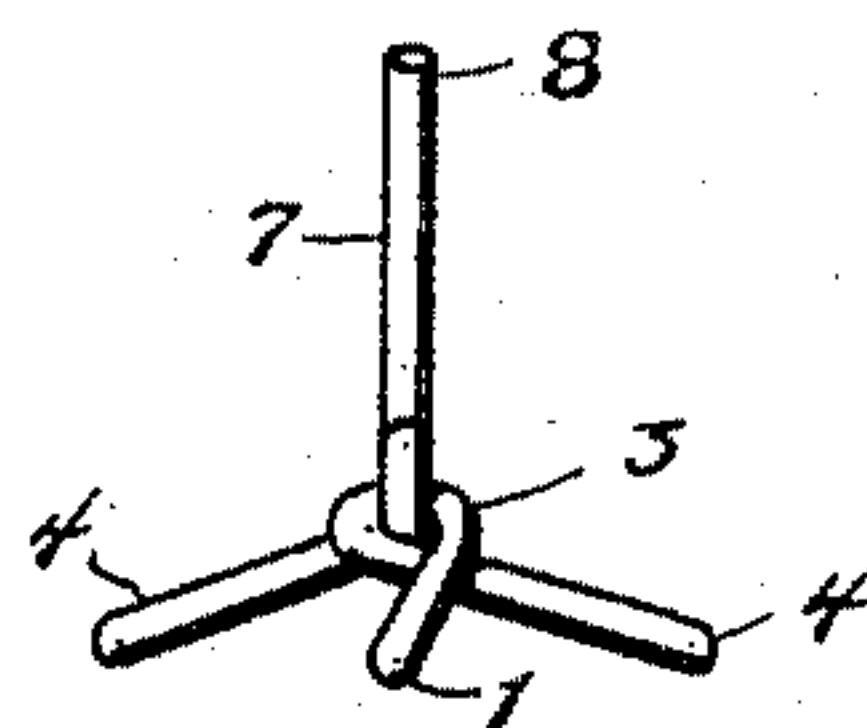


Fig. 3

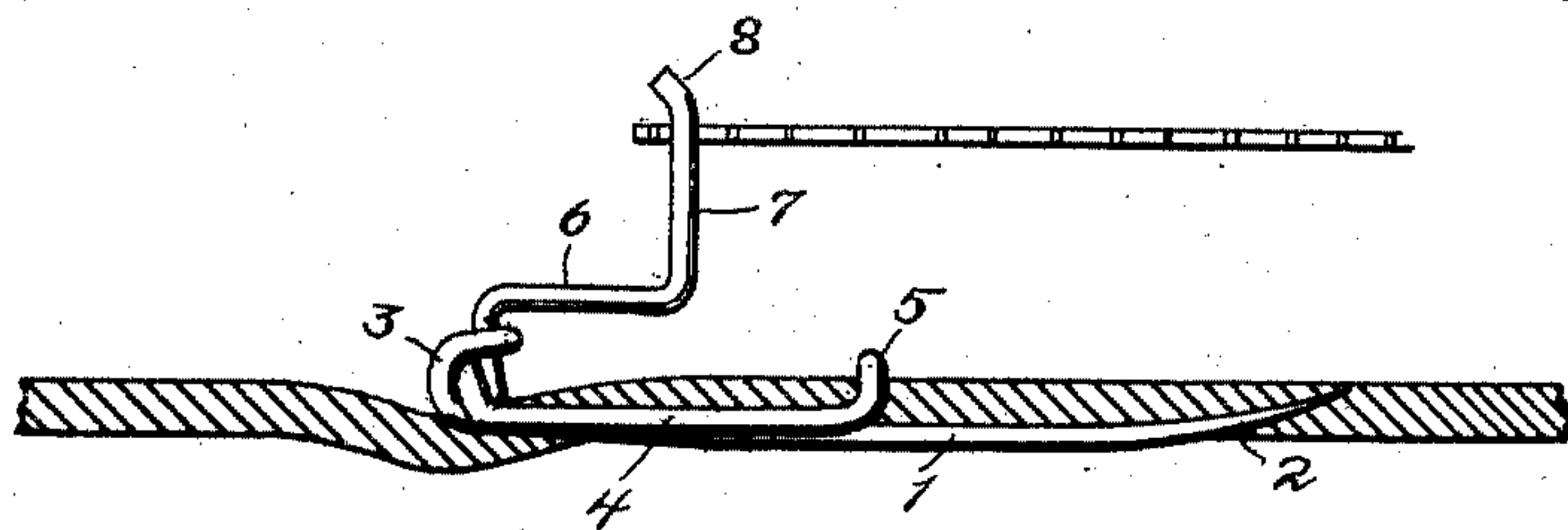


Fig. 4

WITNESSES:

H. D. Kanode

W. B. Schley

INVENTOR

William A. Shoemaker

BY

Shepherd & Parmer
ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM A. SHOEMAKER, OF COLUMBUS, OHIO.

CURTAIN-STRETCHER PIN.

SPECIFICATION forming part of Letters Patent No. 776,034, dated November 29, 1904.

Application filed April 6, 1904. Serial No. 201,837. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. SHOEMAKER, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Curtain-Stretcher Pins, of which the following is a specification.

My invention relates to a new and useful improvement in curtain-stretching pins.

The object of the invention is to provide a pin having a single central carpet-engaging prong and a frame-like portion extending on either side of the prong which bears on the carpet when the pin is inserted therein, securely clamping the same and obviating all tendency toward a rocking movement, which has heretofore caused considerable annoyance in devices of this character.

Another feature lies in forming the pin of a single piece of wire and so shaping the same that the curtain-engaging hook is supported above the interior of the frame, which distributes the strain equally throughout the frame.

Finally the object of the invention is to provide a device of the character described that will be strong, durable, and efficient, simple and comparatively inexpensive to make, and efficacious in its purposes.

With the above and other objects in view the invention consists of the novel details of construction and operation, a preferable embodiment of which is described in the specification and illustrated in the drawings, wherein—

Figure 1 is a top plan view of the pin. Fig. 2 is a front elevation. Fig. 3 is a rear elevation; and Fig. 4 is a side elevation illustrating the pin in engagement with the carpet and showing a portion of a lace curtain caught over the hook, the carpet being illustrated in section.

In carrying out my invention I employ a single piece of wire bent and twisted upon itself to form a pin. The pin comprises an extended prong 1, having its outer end 2 pointed and given a slight upward curve to facilitate the ready introduction of the same into the carpet and to assist in maintaining the same in engagement therewith. The prong

1 at its rear end merges into a loop 3, from which the wire forming the pin is extended and bent to form the angular clamping-frame 4, which is bridged at its forward central portion 5 over the prong 1 to accommodate the thickness of the carpet. The free end of the frame is passed upward through the loop 3 and terminates in a forwardly-extending horizontal arm 6, from which projects the upwardly-extending hook 7, having the bent end 8, which when the curtain is engaged over the hook 7 prevents the upward displacement of the same. It is to be observed that the arm 6 extends centrally over a portion of the prong 1 within the frame and, as illustrated in the drawings, joins with the hook 7 at a point substantially central of the frame. However, the exact distance over the interior of the frame at which the arm 6 extends may be varied as may be necessary. It is obvious that when the pin has been inserted in the carpet until the same is clamped between the prong 1 and the frame 4, which will rest evenly on the same, it is impossible for the pin to rock, the frame forming a broad and substantial base which assumes any lateral strain directed upon the hook 7. In operation I employ several of these pins, which are engaged with the carpet at intervals and so positioned that the four sides of the curtain to be stretched may be readily caught over the hook 7.

I do not wish to limit myself to the exact details of construction and operation herein set forth, as I may make various changes in the same without departing from the spirit of my invention.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a curtain-stretching pin, a central prong, a base-frame disposed over the prong, and a curtain-engaging hook disposed over the frame.

2. In a curtain-stretching pin formed from a single piece of wire, an extended prong, a frame extending from the rear end of the prong over the same, and a hook supported from the rear end of the prong.

3. In a curtain-stretching pin formed from

a single piece of wire, a central carpet-engaging prong formed with a loop at its rear end, an angular clamping-frame extending forward from the loop and having its rear
5 end passed through the said loop, an arm extending forward from the rear end of the frame over the same, and a hook projecting upwardly and bent from the arm.

4. In a curtain-stretching pin, a central extended curved prong, a rectangular clamping-
10 frame connected to the prong at its rear end

and bridged over the same, an arm supported from the rear end of the prong and extending parallel therewith to a point substantially central of the frame, a hook extending upwardly from the arm bent at its upper end to
15 prevent displacement of the curtain.

WILLIAM A. SHOEMAKER.

In presence of—

M. B. SCHLEY,

W. L. MORROW.