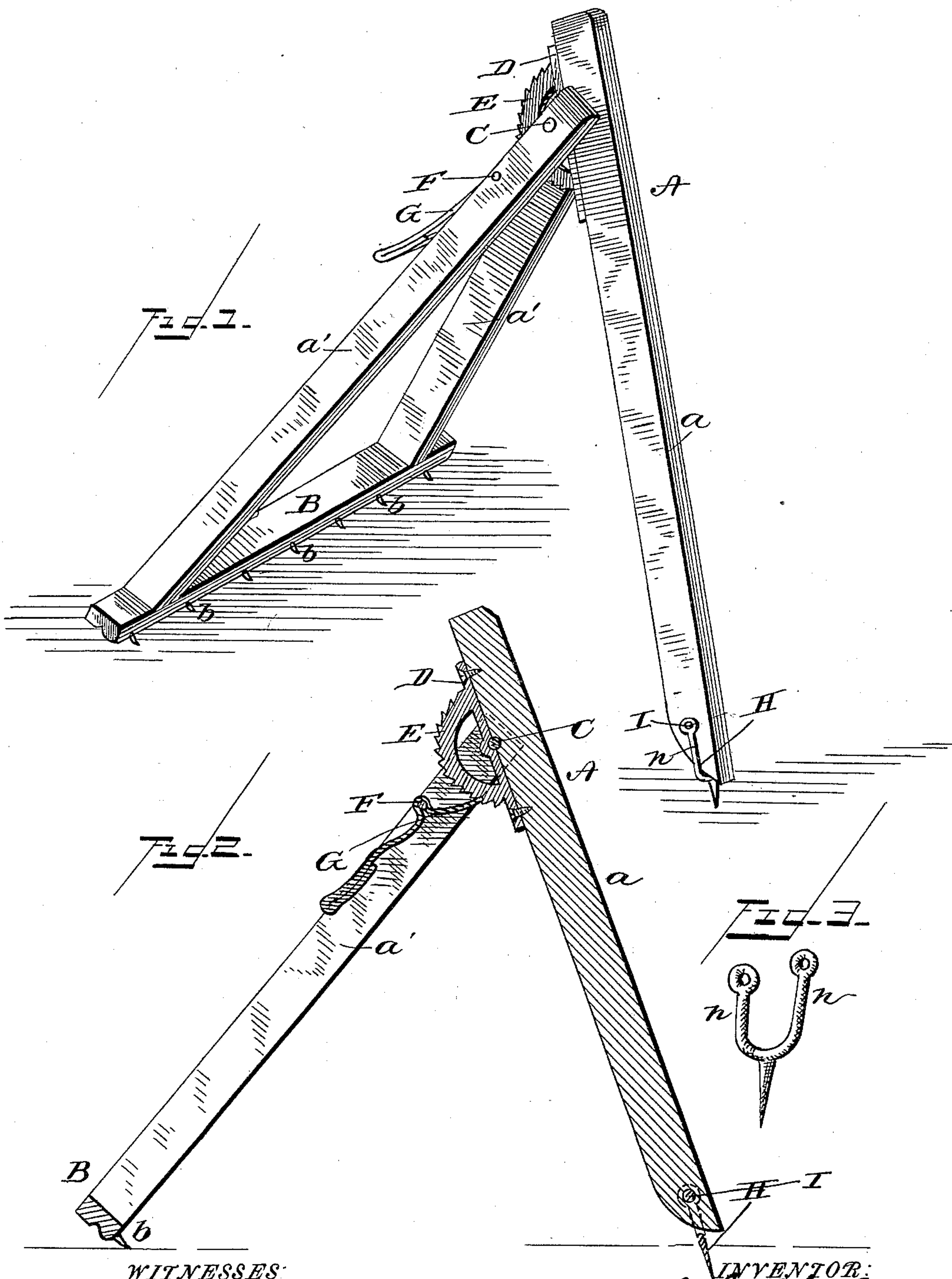


(No Model.)

J. W. CRISE.
CARPET STRETCHER.

No. 431,443.

Patented July 1, 1890.



WITNESSES:
F. L. Ourand
Admet Jones

INVENTOR:
John W. Crise
J. J. S. Saggart & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

JOHN WILLIAM CRISE, OF FOREST HILL, INDIANA.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 431,443, dated July 1, 1890.

Application filed February 6, 1890. Serial No. 339,384. (No model.)

To all whom it may concern:

Be it known that I, JOHN WILLIAM CRISE, a citizen of the United States, and a resident of Forest Hill, in the county of Decatur and State of Indiana, 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 of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved carpet-stretcher. Fig. 2 is a longitudinal sectional view, and Fig. 3 is a detail view of the pivoted bolt or pin.

Like letters of reference denote corresponding parts in all the figures.

My invention has relation to carpet-stretchers; and it has for its object to provide a simple, inexpensive, compact, and efficient device of this character; and with these ends in view it consists in the improved construction and combination of parts, as hereinafter more fully set forth and described.

In the accompanying drawings, the letter A represents the pivoted frame, consisting of the leg *a* and the opposite legs *a' a'*, the latter being connected at their lower diverging ends by a cross-piece B, said cross-piece being provided on one of its under edges with pins or teeth *b*. The several pieces forming the frame are pivoted at their upper end by a pivot-bolt C.

Arranged upon the under side of the leg *a*, and immediately below the center of the pivotal point, is a metallic plate D, formed or provided with a notched sector E. Working upon a pivot-bolt F at a point between the legs *a' a'*, near their upper extremities, is a pawl or dog G, adapted to engage said ratchet and having its longer arm of sufficient weight to keep the shorter arm in close engagement with the teeth.

A pin or bolt H extends from the lower end of arm *a*, and instead of being rigidly secured thereto may be pivoted, so as to have free movement, and this is preferably accomplished by the construction shown in Fig. 3

of the drawings—viz., forming the pin or bolt with an upper U-shaped portion consisting of the perforated arms *h h*, passing up upon each side of the arm *a*, and through the perforations of which pass a transverse pin or bolt I, upon which the U-shaped portion is free to turn. It is obvious, however, that other constructions may be used for effecting the same purpose—for instance, providing the under side of the lower end of arm *a* with a recess and having the upper end or shank of the pin provided with a perforation to receive a transverse bolt, upon which the former is free to turn.

This being the construction of my improved carpet-stretcher, the operation of the same is as follows: When it is desired to stretch the carpet preliminary to tacking it down, the teeth or pins upon the cross-bar B and the pin upon the frame-piece *a* are inserted in the carpet, the legs being first spread apart or adjusted and held in their adjusted position by the notched quadrant in conjunction with the engaging-pawl. Pressure is then exerted downward upon the frame, which necessarily has the effect of efficiently and expeditiously accomplishing the purpose desired. It will be seen that by having the pin or bolt pivoted in the lower end of the frame-piece *a* the disadvantage arising from the employment of a rigid pin or tooth, as is ordinarily the case, is entirely obviated.

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

In a carpet-stretcher, the combination, with the pivoted frame, consisting of the pieces *a* and *a' a'*, the cross-piece connecting the latter and provided with suitable points or projections, the pin or bolt pivotally secured to the frame-piece *a*, and the notched quadrant and engaging-pawl, substantially as set forth.

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

JOHN WILLIAM CRISE.

Witnesses:

FRANK FRALEY,
GEO. FRALEY.