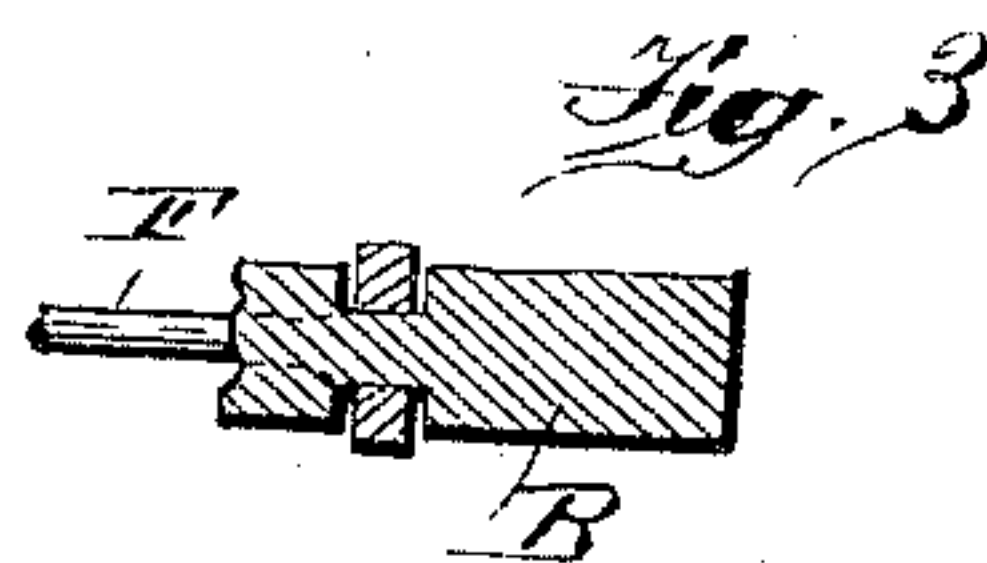
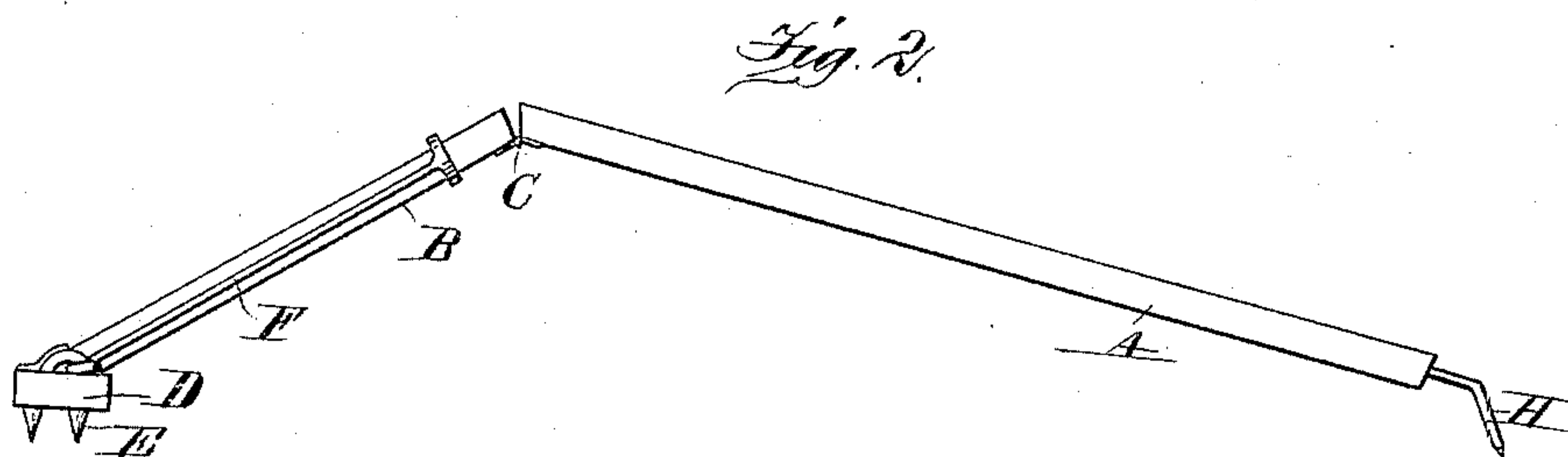
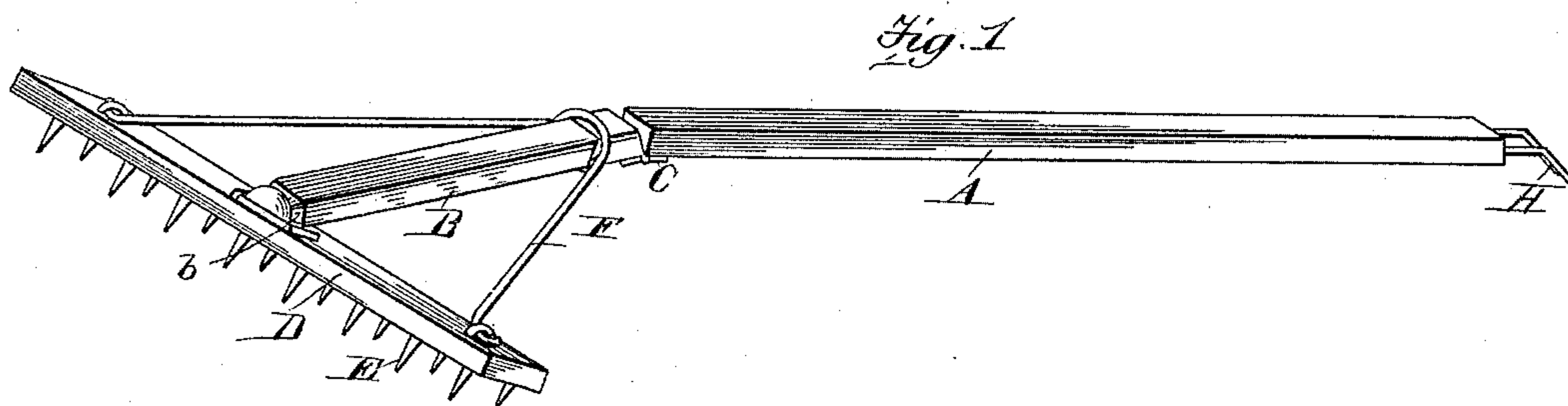


(No Model.)

A. E. FINEGAN.
CARPET STRETCHER.

No. 442,874.

Patented Dec. 16, 1890.



Witnesses
Geo. H. Cornwall
J. M. Copenhaver

Inventor
Amos E. Finegan,
per L. S. Bacon
his atty.

UNITED STATES PATENT OFFICE.

AMOS E. FINEGAN, OF MEYERSDALE, PENNSYLVANIA.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 442,874, dated December 16, 1890.

Application filed November 29, 1889. Serial No. 332,035. (No model.)

To all whom it may concern:

Be it known that I, AMOS E. FINEGAN, a citizen of the United States, residing at Meyersdale, in the county of Somerset and State of Pennsylvania, have invented certain new and useful Improvements in Carpet-Stretchers; and I do hereby 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.

My invention relates to an improvement in carpet-stretchers; and it consists in the construction and arrangement of parts herein after described and claimed.

The object of my invention is to provide a stretcher for carpets which will embody structural simplicity and cheapness, and one which will not injure the carpets. I attain these objects by the construction illustrated in the accompanying drawings, wherein like letters of reference indicate corresponding parts in the several views, and in which—

Figure 1 is a perspective view of my improved stretcher. Fig. 2 is a side elevation of the same. Fig. 3 is a detail section of the collar and grooved end of the short arm.

In the drawings, A represents the long arm of a toggle-lever, and B the short arm, which is somewhat less than one-half of the length of the arm A. The length of the respective arms may be varied according to the use to which the device is to be applied.

The adjacent ends of the arms A and B are cut diagonally or on an incline, and are secured on their shorter faces by a strap-hinge C, permitting easy movement of the parts. The ends of these members may be at right angles, if desired. By forming them as above described the arms are prevented from being forced against the floor, thereby affording an easy manipulation and a quick release of the stretched carpet.

On the outer end of the arm B is secured a cross-head D, which is placed obliquely to the longitudinal plane of the arm to afford a better gripping-surface for the teeth in its face. The teeth E are smooth conical pieces of metal protruding a short distance from the head. They may be placed in any desired position on the head. I may pivot the head on the arm, so as to vary the direction of the force when it is desired. To so construct my

device I make a socket in the head and form a pin, as *b*, on the end of arm B, which fits in the socket. To add strength to the head and to retain the pin in the socket, I extend braces F from its outer ends diagonally to the arm B, where they are secured in any suitable manner, preferably by forming a collar on the ends of the braces to unite the same, and placing the collar in a circular groove formed in the short arm.

In the free end of the arm A is placed two spurs H, which extend out from the arm and then bent at or about an angle of forty-five degrees. These spurs are tapered and placed at such an angle as to subject the carpet to the least amount of strain, and owing to the peculiar form of teeth the carpet is not separated.

In operating my stretcher the arms are partly folded and then forced apart by pressure on the top after the ends have been secured. As the carpet is stretched and fastened the pressure is removed and the stretcher freed.

I am aware that many minor changes may be made in the construction and arrangement of the parts of my device without in the least departing from the nature and principle of my invention.

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

The carpet-stretcher herein described, consisting of a long and a short arm having beveled meeting edges, a hinge uniting the same on their under shorter faces, the short arm having an annular groove therein, a pin on the end of the short arm, a cross-head having a socket in its upper face in which the pin rests, braces secured to the outer ends of the head and extended up to the short arm, a collar uniting the braces and loosely fitting in the groove around the short arm, whereby the arms may be rotated and the pin retained in the socket, and teeth on the cross-head and long arm, substantially as described.

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

AMOS E. FINEGAN.

Witnesses:

P. C. BOUCHER,

H. CLAY MCKINLEY.