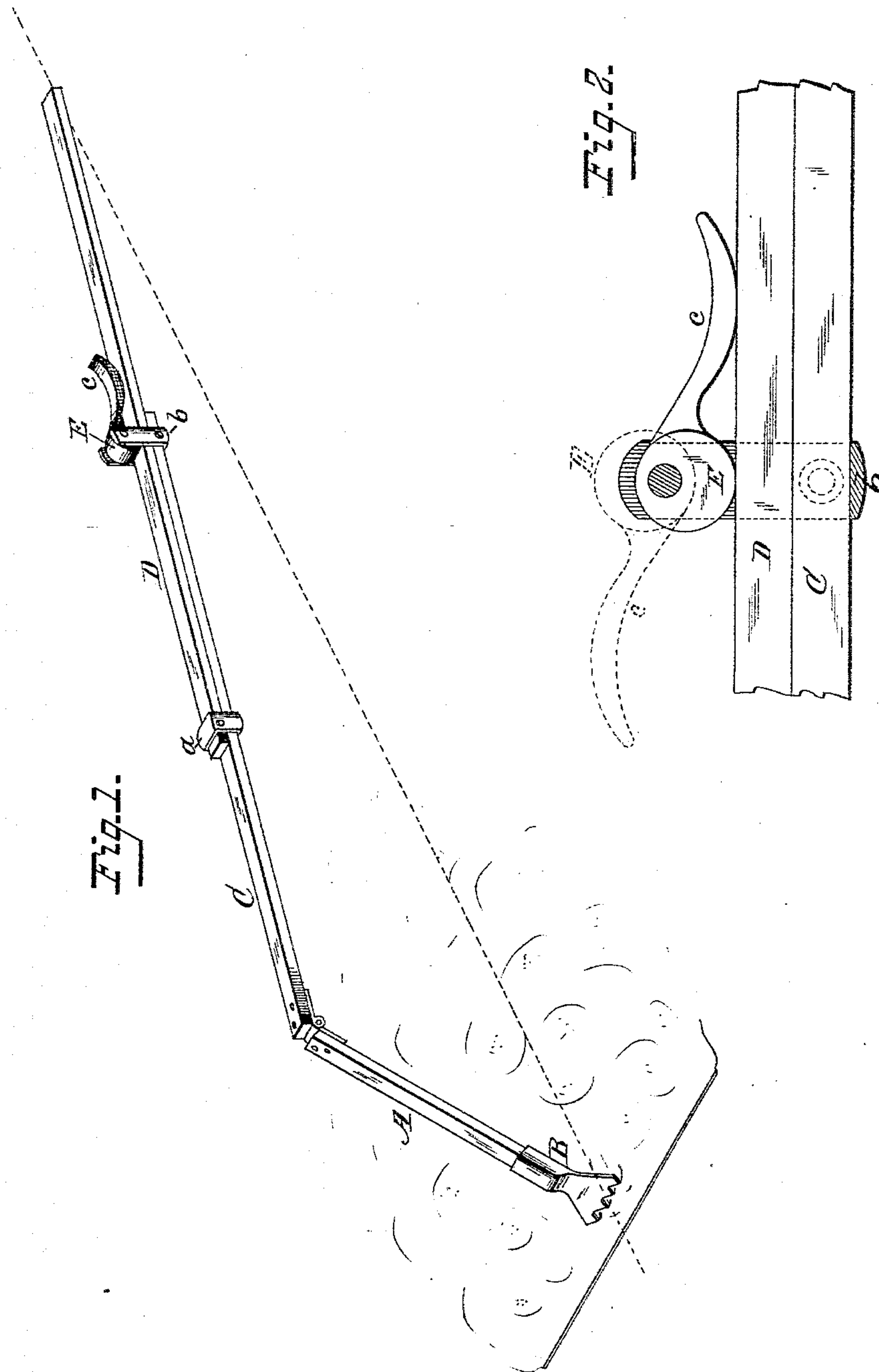


(No Model.)

F. W. BURNS.
CARPET STRETCHER.

No. 300,342.

Patented June 17, 1884.



Attest:
Count Cooper,
L. L. Miller

Inventor:
Fred W. Burns
per Cha. H. Fowler,
Attorney

UNITED STATES PATENT OFFICE.

FRED W. BURNS, OF LEMARS, IOWA.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 300,342, dated June 17, 1884.

Application filed April 24, 1884. (No model.)

To all whom it may concern:

Be it known that I, FRED W. BURNS, a citizen of the United States, residing at Lemars, in the county of Plymouth and State of Iowa, 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 same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a perspective view of a carpet-stretcher constructed in accordance with my invention; and Fig. 2, a detail view partly in section and on an enlarged scale, showing the eccentric clamp in a raised position in dotted lines.

The present invention has relation to that class of carpet-stretchers in which are employed two hinged bars, the outer one having a suitable claw to engage with the carpet, and the inner bar having an extensible arm, so that the device can be lengthened or shortened, as circumstances require. The means heretofore employed for holding the arm in an extended position consisted, usually, of a ratchet-plate and pawl or like means, enabling the arm to be adjusted at each point of the tooth of the ratchet only, thereby any limited or fractional degree of adjustment at a distance less than the distance between the ratchet-teeth was impossible.

It is the object of the invention to provide means whereby the extensible arm can be nicely adjusted at any point to lengthen or shorten the arm with relation to the bar upon which it is supported, thus better adapting the device to all classes of work, and in places where the ordinary carpet-stretchers hereto-

fore referred to could not be used. These objects I attain by the construction substantially as shown in the drawings and hereinafter described and claimed.

In the accompanying drawings, A represents a short bar to which the claw B is connected, said claw and bar being of any suitable construction and form and of any desirable material. The bar A is hinged to a similar but longer bar, C, to which is connected the extensible arm D, having secured to its end a guide, *a*, through which the bar C passes. The bar C has connected to it a yoke, *b*, which also serves as a guide and a bearing for a cam or eccentric locking device, E, provided with a suitable hand-lever, *c*, for operating it. This device enables the arm to be extended with great nicety, and so firmly held in position that any sidewise movement of the arm upon the bar is rendered impossible, while its simplicity enables it to be manufactured at a trifling cost.

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

A carpet-stretcher consisting of two arms hinged together, one of which is provided with a suitable claw, an extensible arm, and a cam or eccentric locking device for holding the arm in an adjusted position, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

FRED W. BURNS.

Witnesses:

CHAS. A. WERNLI,
WM. S. WERNLI.