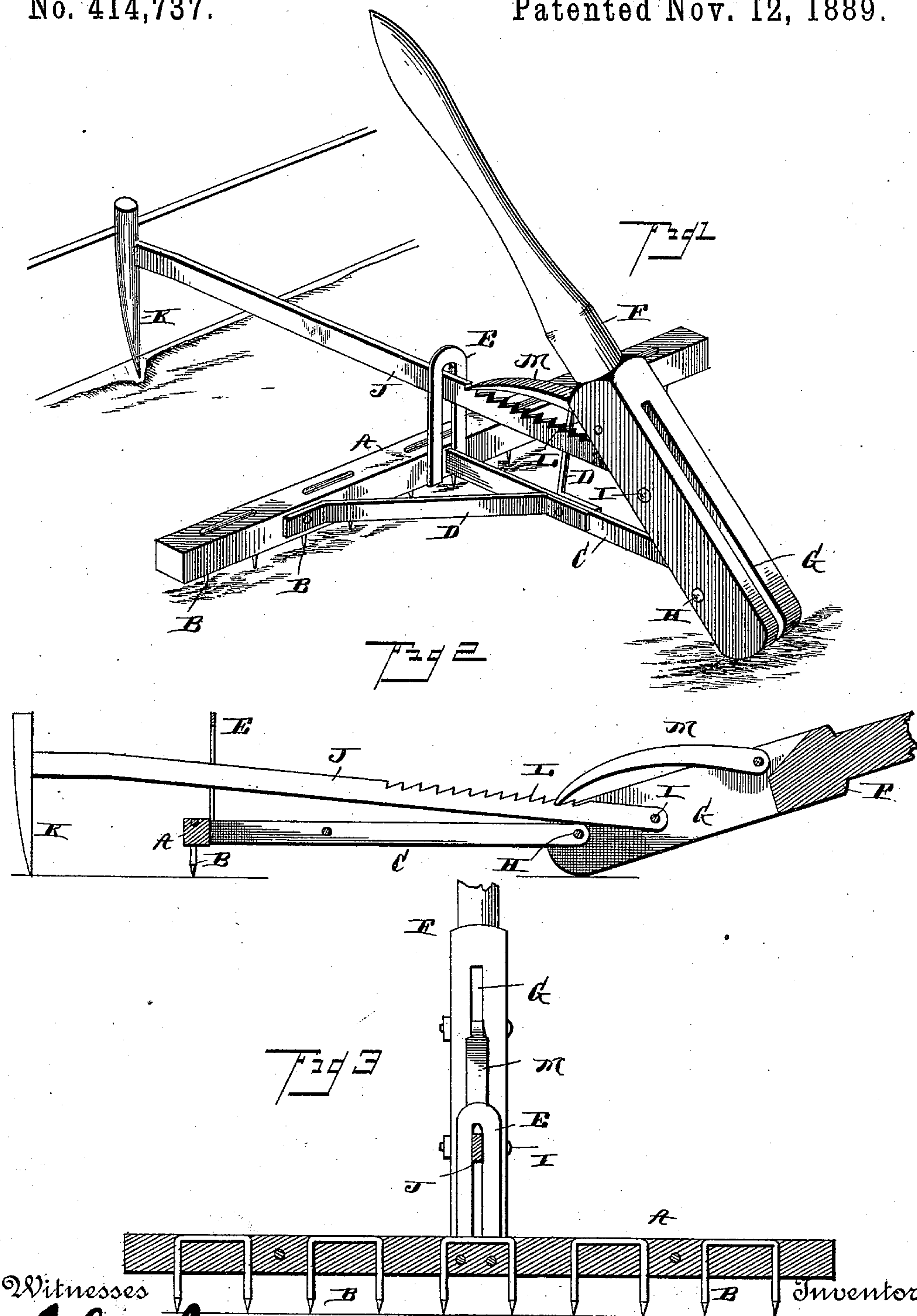


(No Model.)

A. M. WALRADT & G. A. COBBAN.
CARPET STRETCHER.

No. 414,737.

Patented Nov. 12, 1889.



Witnesses

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UNITED STATES PATENT OFFICE.

ARRUNAH M. WALRADT AND GEORGE A. COBBAN, OF CEDAR RAPIDS, IOWA.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 414,737, dated November 12, 1889.

Application filed March 9, 1889. Serial No. 302,680. (No model.)

To all whom it may concern:

Be it known that we, ARRUNAH M. WALRADT and GEORGE A. COBBAN, citizens of the United States, residing at Cedar Rapids, in the county of Linn and State of Iowa, have invented a new and useful Improvement in Carpet-Stretchers, of which the following is a specification.

This invention relates to carpet-stretchers; and it has for its object to provide a device of this class which shall possess superior advantages in point of simplicity, durability, and general efficiency.

With these ends in view our invention consists in the improved construction and arrangement of its operative parts, which will be hereinafter fully described, and pointed out in the claim.

In the drawings, Figure 1 is a perspective view of our improved carpet-stretcher, showing the same in position to begin stretching. Fig. 2 is longitudinal sectional view showing the stretcher extended. Fig. 3 is a vertical section taken transversely through the head of the stretcher.

The same letters refer to the same parts in all the figures.

A designates the head of our improved carpet-stretcher, which consists of a wooden bar of suitable dimensions having a series of downwardly-extending teeth B B, formed by a series of inverted-U-shaped staples having sharp points, which are driven vertically through the said head-bar, as will be clearly seen in Fig. 3 of the drawings. The head A is provided with a rearwardly-extending handle C, which is connected to the said head by means of braces D D, and centrally to the rear side of the said head is secured a vertically-slotted guide-plate E, the purpose of which will be presently made clear.

F designates a lever or handle, the lower end of which is provided with a vertical slot G, in the extreme lower end of which the handle C is secured by means of a pivoting-bolt H. Pivoted upon a bolt I, extending transversely through the slot G intermediately between its ends, is a bar J, which extends forwardly through the slotted guide-plate E, which extends upwardly from the head A, as described. The front end of the bar J is provided with a prong K, adapted to be driven into the floor adjoining the wash-board of a room, so as to retain the device in its operative position. The upper side of

the bar J is provided with a series of ratchet-teeth L L, adapted to be engaged by a pawl M, which is mounted pivotally in the extreme upper end of the slot G of lever or handle F.

The operation of this device will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed.

To place the device in position for operation, the prong at the end of the ratchet-bar is driven into the floor adjoining the wash-board. The pawl is then disengaged from the ratchet-bar and the upper or outer end of the lever F is moved forwardly to the position shown in Fig. 1, thus drawing the head A to its rearmost limit. The teeth or points of the head A are then caused to engage the carpet, after which the lever-handle F is moved rearward, thus forcing the head A in a forward direction and stretching the carpet. As the lever F is moved rearward the pawl M will engage the ratchets upon the bar J, and thus retain the parts of the device positively in any position to which they may be adjusted with relation to each other. When the stretcher has been operated to the limit of its capacity, the lever-handle F will lie down flat and will not interfere with the operator while he is tacking down the carpet.

The device is simple in construction and may be constructed at a small expense.

Having thus described our invention, we claim—

A carpet-stretcher comprising, in combination, a slotted or bifurcated lever; a handle having a toothed cross-head and a slotted guide-plate, a rack-bar having a prong at its front end, and a pawl, said handle, rack-bar, and pawl being mounted pivotally at respectively the lower end, the middle, and the upper end of the slot of said bifurcated lever, in the manner and for the purpose herein set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

ARRUNAH M. ^{his} X WALRADT.

GEORGE A. COBBAN. ^{mark}

Witnesses:

JOHN T. STONEMAN,
FRANK E. POLLINS.