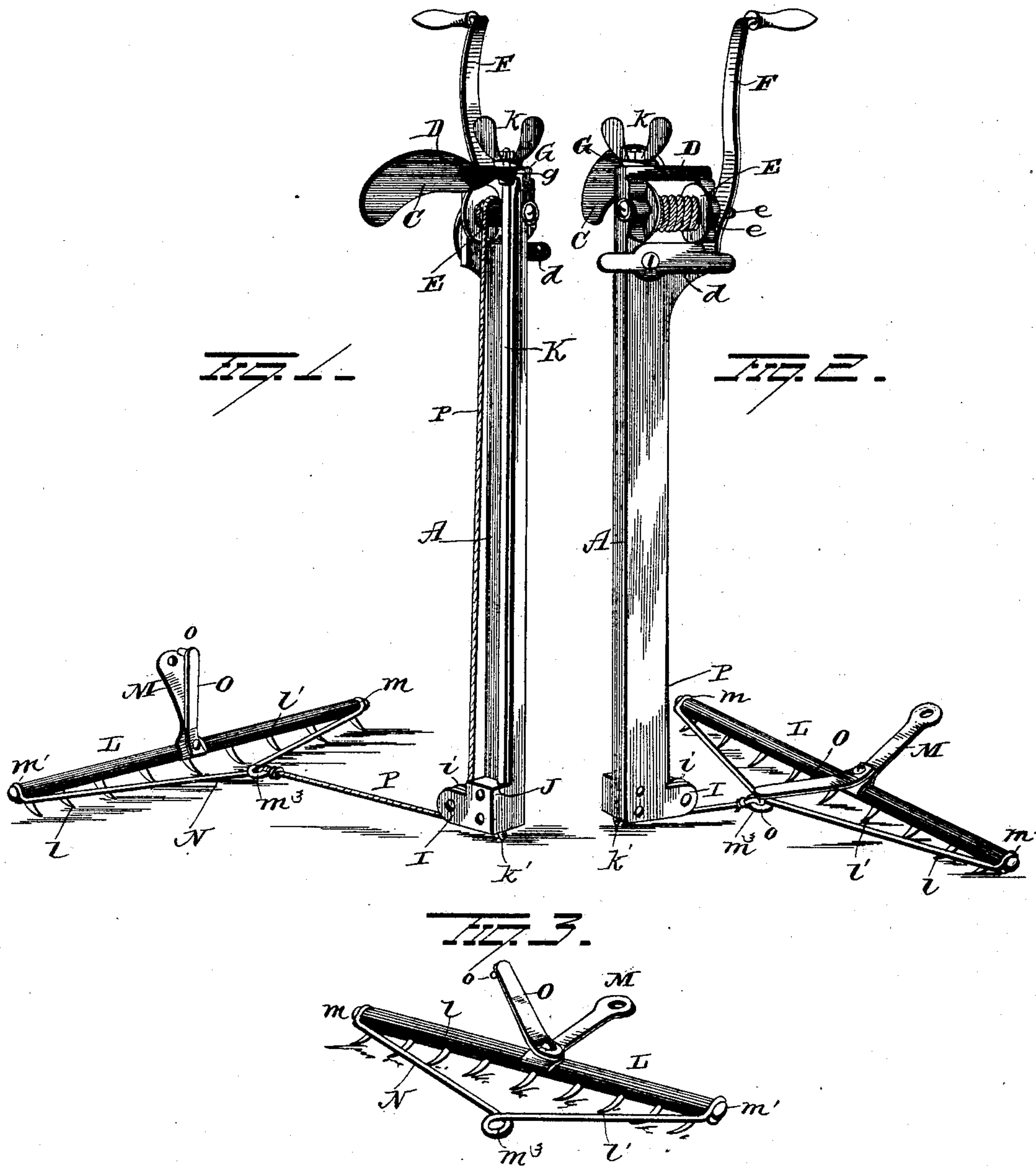


(No Model.)

J. A. RISDON.  
CARPET STRETCHER.

No. 362,114.

Patented May 3, 1887.



Witnesses  
*G. F. Downing.*  
*E. De Kottigshaus.*

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# UNITED STATES PATENT OFFICE.

JAMES A. RISDON, OF GENOA, ILLINOIS.

## CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 362,114, dated May 3, 1887.

Application filed February 15, 1887. Serial No. 227,682. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES A. RISDON, of Genoa, in the county of De Kalb and State of Illinois, 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.

The object is to provide a carpet-stretcher which shall be light, cheap, and effective for use.

With these ends in view my invention consists in certain features of construction and combinations of parts, as will be hereinafter fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of the carpet-stretcher, showing the stretcher-head in receiving or disengaged adjustment. Fig. 2 is also a view in perspective with the stretcher-head in engaged adjustment and in the same plane with the upright. Fig. 3 is a detached view of the stretcher-head.

A represents an upright, preferably about a foot and a half in height, adapted for adjustment to the floor B. A handle, C, is formed integral with the top of the upright and at or nearly at right angles thereto. At the top of the upright and directly behind the intersection of the handle C and the upright A there is a slotted cross-head, D, within which the roller E is secured in rotary adjustment. One end of the axis *e* of the roller E extends beyond its bearing *e'*, and is provided with a crank, F, by means of which it is rotated. A latch, *d*, for holding the crank against reaction, is located beneath the cross-head D in swinging adjustment. The operation of the latch is designed to either hold the crank upright or depressed. The shoulder G, located at the top of the upright A, and at right angles thereto, is provided with a perforation, *g*, to which further reference will be made.

At the lower end of the upright a bifurcated foot, I, is rigidly attached. In the forward end of said foot and between its branches

a pulley, *i*, is secured in rotary adjustment. A perforation, J, in the rear of the foot is in the same plane with the perforation *g* in the shoulder G, and through them a rod, K, extends to the floor. The said rod is provided at the upper end with either a thumb-piece or a crank, *k*, which, when properly manipulated, turns the tapered auger-screw *k'* at its lower end either into or out of the floor.

L represents the main bar of a stretcher-head. The said stretcher-head is provided on its lower face with a row of teeth, *ll'*, which are adapted to engage the carpet. A handle, M, is located on the upper face of the bar L, midway between its ends. A bail, N, longitudinally spans the main bar L, and is pivotally secured thereto, with its ends hooked around the ends *m m'* of the main bar as pintles.

By a sharp turn in the bail an eye, *m*<sup>3</sup>, is formed opposite the handle M, for the reception of the pin *o* on the end of the brace O, which brace is secured in swinging adjustment at the base of the handle M. When the said brace O is in hooked adjustment, it takes the position shown in Fig. 2. The cord P is attached to the eye *m*<sup>3</sup> of the bail and strung through the foot I under the pulley *i*, thence upward over the roller E, where its end is fastened. Thus after the stretcher-head is braced in the position indicated in Fig. 2 by turning the crank F the cord P is wound over the roller E, and the stretcher-head, with the carpet, is drawn toward the upright.

It is evident that slight changes might be resorted to in the form and arrangement of the several parts herein described without departing from the spirit and scope of my invention; hence I do not wish to limit myself strictly to the construction herein set forth; but,

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

1. In a carpet-stretcher, the combination, with an upright adapted to be secured to a floor, and a handle rigidly secured to said upright near the upper end of same, of a stretcher-head attached to the upright by a flexible rope or cord, and means for applying draft to the cord, substantially as set forth.

2. In a carpet-stretcher, the combination,

with an upright and adjustable pin or screw adapted to project below the lower end thereof, and a handle secured to the upper end of the upright, of a windlass or drum mounted  
5 in bearings secured to the upper end of said upright, a stretcher-head, and a rope connecting the stretcher-head with the drum, substantially as set forth.

3. The combination, in a stretcher-head,  
10 with a draft-bail journaled on the ends of a main bar, of an inclining brace pivotally se-

cured to the latter and adapted to be swung to a position to engage the bail for holding the head in operating adjustment, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JAMES A. RISDON.

Witnesses:

DAVID W. SCHWARTZ,  
ROBERT D. LORD.