(No Model.)

J. KINGSLAND, Jr.

CARPET STRETCHER.

No. 393,909. Patented Dec. 4, 1888.

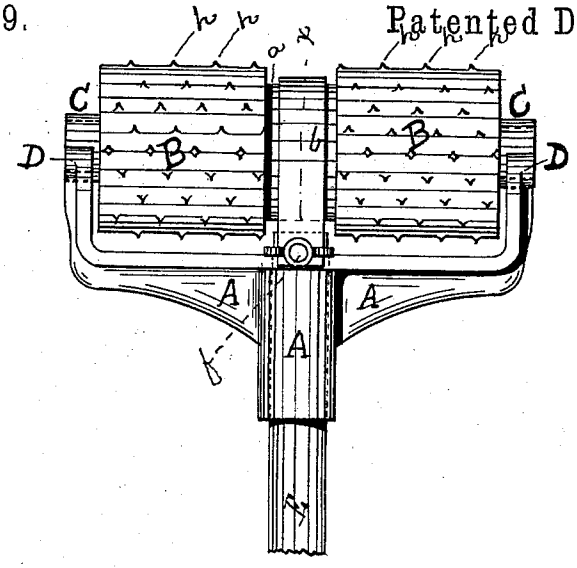


Fig. 1.

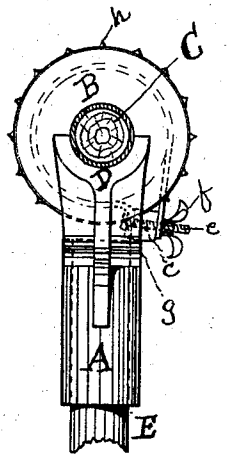


Fig. 2.

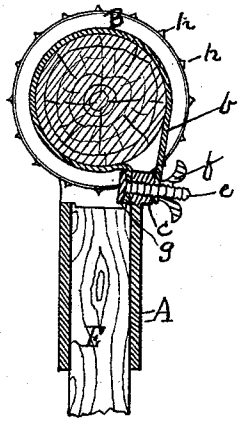


Fig. 3.

WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSEPH KINGSLAND, JR., OF NUTLEY, NEW JERSEY.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 393,909, dated December 4, 1888.

Application filed February 29, 1888. Serial No. 265,739. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH KINGSLAND, Jr., a citizen of the United States, residing at Nutley, in the county of Essex and State of New Jersey, 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to produce a cheap, durable, and convenient carpet-stretcher easily operated, more economical, and less liable to get out of order than those ordinarily used.

The invention consists in the improved carpet-stretcher and in the arrangements and combinations of parts, substantially as will be hereinafter set forth, and finally embodied in the clauses of the claim.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several figures, Figure 1 is a front elevation of a carpet-stretcher embodying my improvements. Fig. 2 is a side elevation, and Fig. 3 is a sectional view through line X of Fig. 1.

In said drawings, A indicates a frame adapted to hold a corrugated or roughened roll, B, mounted on a shaft and having sockets for a handle, C.

D D are bearings on the ends of frame A, in which the journals of the shaft revolve.

a is a peripheral recess on said roll adapted to receive a frictional band or strip, *b*, of leather or any desired material.

c is a shoulder or lug on the frame, with a hole to receive a bolt, *e*, with head *g* and thumb-nut *f*.

h h are points, teats, or corrugations on the outer surface of the roll, and are arranged to impinge upon the carpet to be stretched.

The ends of the strip or band are punched with holes through which the bolt *e* passes. I prefer to make the roller of wood and cover it with sheet metal, provided with teats or sharp ridges or points, as it is much lighter and cheaper; but rollers can be made wholly of metal or rubber or any other material that will engage the carpet, whether by points or friction, without changing the character of my invention.

To prepare the stretcher for use, the ends of the roller-shaft are placed in their bearings on the frame, the band is placed around the roll in the recess, with one end of the band at the under side of the lug and the other end at the top of the lug. The bolt is then passed through the holes in the ends of the band and in the lug, with the head of the bolt on the under side. The thumb-nut is then placed on the bolt, and the two ends of the band are securely held in position on the upper and lower sides of the lug, respectively, by screwing up the thumb-nut. The band not only holds the roller in the frame, but also acts as a frictional binder, as by screwing up the thumb-nut the ends of the band are brought nearer together, and thus the band is bound more tightly in its recess, and the roll therefore is moved with more or less difficulty, according to the extent to which the thumb-nut is turned down.

In operation, if the carpet be a hard tight-woven one, it is better to tighten the band, so that the roller will be moved with more difficulty. The points in the roller as it is pushed along by the hand will thus engage more firmly with the surface of the carpet. In stretching a carpet the stretcher is rolled along continuously until the side of the room is reached, when the handle is quickly brought down to the floor and held firmly by the knee, leaving the hands free to tack the carpet.

Having thus described the invention, what I claim as new is—

1. The combination, with a suitable handle, of a roller having a frictional surface to engage the carpet and prevent the said roller from slipping thereon, and a friction-brake for impeding the movement of the said roller, substantially as set forth.

2. The improved carpet-stretcher combining therein a roller for engaging the carpet and a brake for impeding the motion of the said roller, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 27th day of February, 1888.

JOSEPH KINGSLAND, JR.

Witnesses:
CHARLES H. PELL,
E. L. SHERMAN.