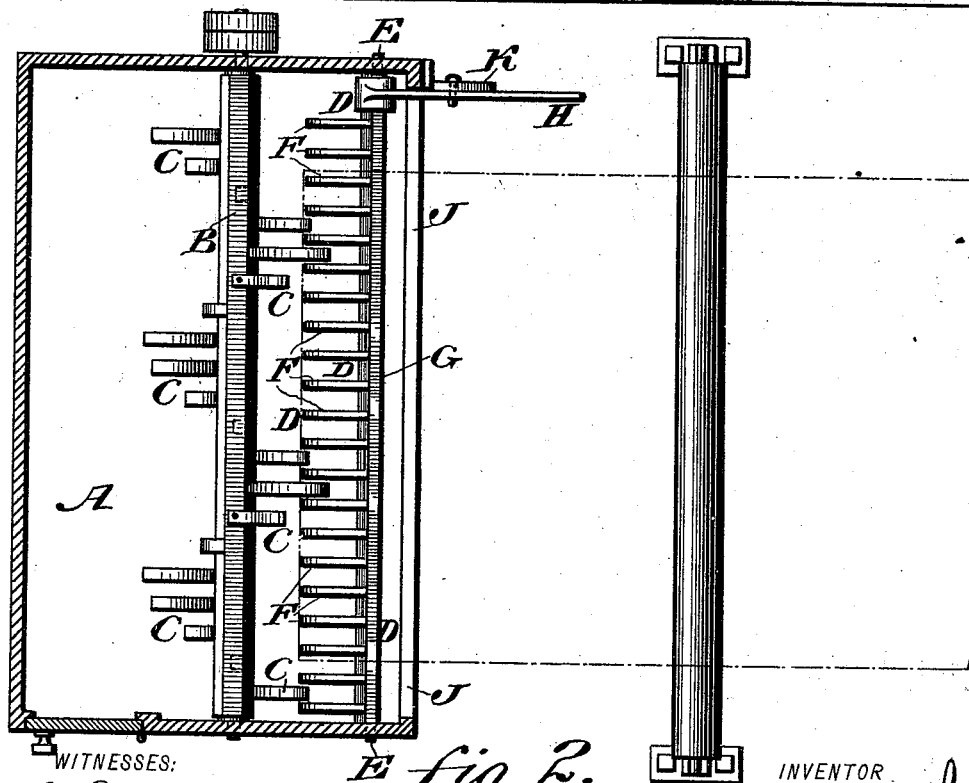
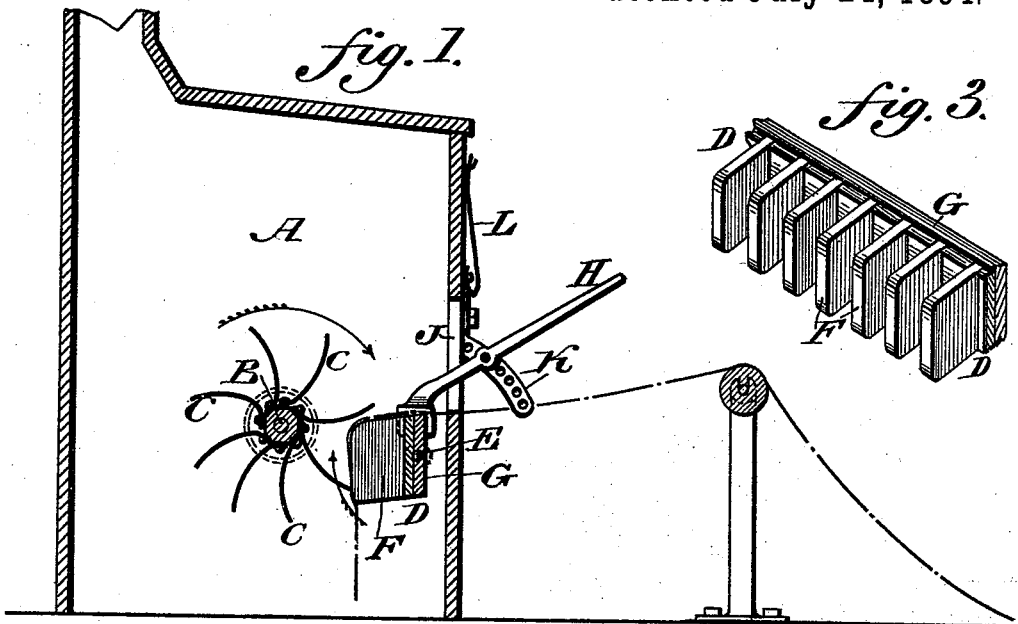


(No Model.)

J. L. LEACH.
CARPET BEATING MACHINE.

No. 523,533.

Patented July 24, 1894.



WITNESSES:

L. Douville,
O. H. Hagler.

INVENTOR

Jerse L. Leach.
BY John G. Gierschman,
ATTORNEY.

UNITED STATES PATENT OFFICE.

JESSE L. LEACH, OF PHILADELPHIA, PENNSYLVANIA.

CARPET-BEATING MACHINE.

SPECIFICATION forming part of Letters Patent No. 523,533, dated July 24, 1894.

Application filed May 4, 1894. Serial No. 510,116. (No model.)

To all whom it may concern:

Be it known that I, JESSE L. LEACH, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Carpet-Beating Machines, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a carpet beating machine having a carpet-supporting bed of novel construction, whereby the dust and dirt may be easily expelled, and when the carpet is removed, the beaters do not strike the bed.

It also consists in rendering the bed movable to and from the beaters, so as to adjust the position or the carpet to receive blows of greater or less strength or directness, relatively to the nature of the fabric or requirements of the work.

Figure 1 represents a vertical section of a carpet beating machine embodying my invention. Fig. 2 represents a horizontal section thereof. Fig. 3 represents a perspective view of a detached portion of the bed of the machine.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings: A designates a box or frame in which is mounted the rotary shaft B, to which are attached the beater straps C, said shaft being adapted to receive power in any suitable manner.

D designates the carpet-supporting bed, which is provided with gudgeons or journals E, and located within the box parallel with the shaft B, said gudgeons being mounted on the sides of the box, whereby the bed may be readily turned on its axis, it being noticed that said bed is formed of separated slats F, and cross bars G to which said slats are secured in vertical direction, the gudgeons projecting from the ends of said cross bars, so that when the bed is turned, the front ends of the slats may be placed nearer to or farther from the beaters, whereby as the carpet is supported on the slats, it may be subjected to blows of greater or less force, relatively to the texture or nature of the fabric or requirements of the work. In order to move or adjust the bed, there is secured to the same, the handle or lever H, which projects through the opening J, in the front of the box, said opening also admitting of the entrance of the carpet to the bed. In order to retain the lever

in adjusted position, an arm K is secured to the wall of the box, the same having perforations therein to receive a pin or screw which is passed through an opening in the lever and inserted in the proper perforation in the arm.

In order to close the opening J, I employ the flap or sheet L, which is secured to the wall of the box, and adapted to be suspended over said opening above the carpet, said flap being shown as raised or hung-up in Fig. 1.

It will be seen that when the carpet is placed on the bed, and power communicated to the shaft B, the straps C are driven against the carpet, so as to beat or whip the same in an effective manner, the action of beating or whipping also drawing in the carpet, so that the latter is automatically fed to the work. The dirt drops between the slats of the bed, it being noticed, as in Fig. 2, that the straps C alternate with said slats, so that the former deliver their blows on the carpet at the portions between the slats, thus effectively expelling the dust and dirt, and when the carpet is removed, the beaters pass around between the slats, and thus avoid striking the bed.

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

1. In a carpet beating machine, a carpet supporting bed consisting of cross bars having vertical separated slats connected therewith, journals on said cross bars, and means for turning the bed on said journals, substantially as described.

2. In a carpet beating machine, a carpet supporting bed consisting of cross bars having vertical separated slats connected therewith, journals on said cross bars, a lever secured to said bed, and means for locking said lever, said parts being combined substantially as described.

3. In a carpet beating machine, a box having an opening in its side, a rotatable shaft with beater straps thereon, mounted in said box, a bed consisting of cross bars and vertical slats journaled in said box, an arm secured to said box, and a lever connected with said bed adapted to be locked to said arm, said parts being combined substantially as described.

JESSE L. LEACH.

Witnesses:

JOHN A. WIEDERSHEIM,
R. H. GRAESER.