(No Model.)

W. F. McCREADY.

CARPET LOOM.

No. 553,253. Patented Jan. 21, 1896.

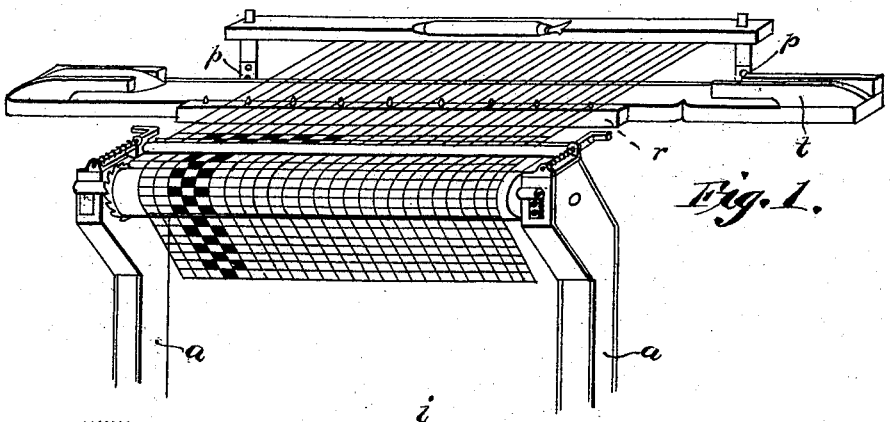

Fig. 1.

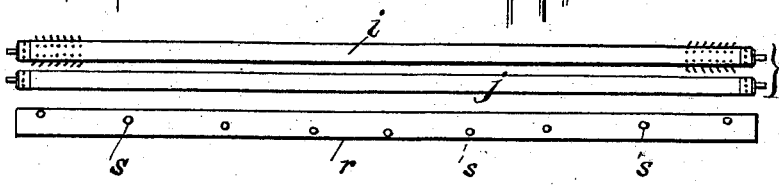

Fig. 2.

Fig. 6.

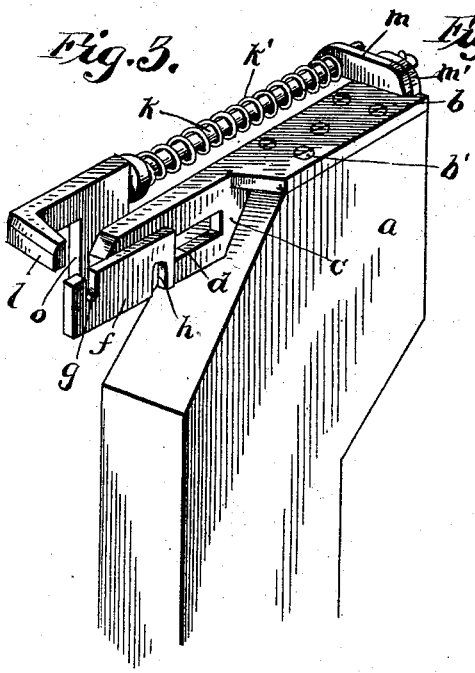

Fig. 3.

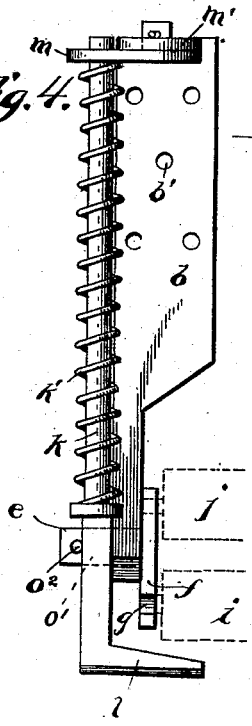

Fig. 4.

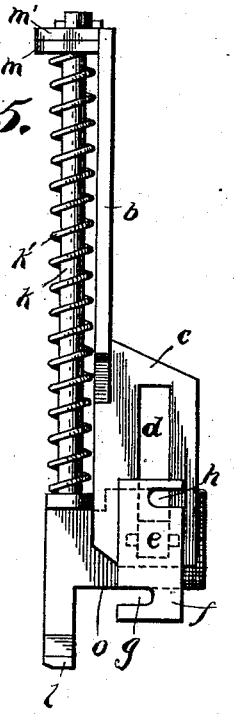

Fig. 5.

Witnesses.
Howard D. Orr.
Grace M. Finley.

Inventor.
Wm F. McCready
By Edwin Lowe.
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UNITED STATES PATENT OFFICE.

WILLIAM F. McCREADY, OF HOMEWOOD, PENNSYLVANIA.

CARPET-LOOM.

SPECIFICATION forming part of Letters Patent No. 553,253, dated January 21, 1896.

Application filed November 30, 1894. Serial No. 530,305. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. McCREADY, a citizen of the United States, residing at Homewood, in the county of Beaver and State of Pennsylvania, have invented certain new and useful Improvements in Carpet-Looms; 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 pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

The object of my invention is to improve certain parts of a carpet-loom; and the invention consists of the details of construction and arrangement of parts hereinafter described, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a carpet-loom embodying my improvements. Fig. 2 is a plan view of the stretching and presser rollers detached and on an enlarged scale. Fig. 3 is a perspective view, on an enlarged scale, of the temple-carrier attached to the front post of the loom. Fig. 4 is a top view, and Fig. 5 a view of the inner side of the temple-carrier; and Fig. 6 is a plan view of the shuttle-guide.

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

a a represent the front posts of a carpet-loom of the type illustrated in Patent No. 373,246, granted November 15, 1887, to C. N. Newcomb. To the top of each of these posts is secured a temple-carrier. As these carriers are duplicates a description of one will be sufficient.

The carrier consists of a casting having the horizontal plate portion *b* and the downwardly-extending vertical portion *c*. The part *b* is provided with a series of holes *b'* for the passage of screws, by means of which it is secured to the post *a*. The vertical part *c* is provided with an elongated slot *d*, through which extends a pin *e* projecting from the plate *f*. This plate *f* is provided with reversely-arranged open-ended slots *g* and *h*, which serve as bearings for the journals of the pin-roller *i* and the pressure-roller *j* respectively.

k represents the temple-rod and *l* the finger on one end thereof. The opposite end of the rod *k* is loosely supported in a plate *m* secured to a lug *m'* extending upwardly from the plate *b*. Near the finger end the rod *k* is provided with a downwardly-extending arm *o* provided with an opening *o'*, through which the pin *e* of plate *f* extends and is secured in position by a suitable key o^2. It will thus be seen that the rod *k* and plate *f* are connected together by the pin *e*, which latter is free to slide in the elongated slot *d*, and that the plate *f* and rod *k* will have simultaneous and uniform movement. The rod *k* is surrounded by a spiral spring *k'* which serves to return the rod *k* to its normal position after it has been moved by the lay. The lay is provided with contact-plates *p*, which engage the fingers *l* of the rod *k* when the lay is reciprocated.

r represents a shuttle-guide provided with a series of upwardly-projecting pins *s*. These pins are arranged in the arc of a circle, the end pins being nearest to the lay. By thus arranging the pins *s* the shuttle is guided back toward the reed and is prevented from striking the ends of the wings *t* on the front side of the shuttle-boxes. The shuttle-guide is secured to the front of the lay in any suitable manner.

The pin-roller *i* is nearest the lay and under the woven material, and the pressure of the latter holds it down in its bearings. The pressure-roller *j* is above the woven material and the latter serves also to hold this roller up in its bearings.

Having described my invention, I claim—

1. In a temple, the combination with the pin and pressure rollers, of temple carriers each consisting of a casting having a horizontal plate portion secured to the loom frame, and a downwardly extending vertical portion having an elongated slot, a plate having oppositely arranged open ended slots which form bearings for the pin and pressure rollers, and provided with a projecting pin extending through said elongated slot, a temple rod loosely supported at one end in a plate secured to said casting and provided at its opposite end with a finger and a downwardly extending arm having an opening through which said pin also extends, a spring surrounding the temple rod, and a key to hold said pin in position, substantially as described.

2. In a loom, the combination with the lay, of a shuttle guide secured to the front thereof, and guide pins projecting upwardly from said guide, said pins being arranged in the arc of a circle and the end pins being nearest the lay, substantially as and for the purpose specified.

In testimony that I claim the foregoing I hereunto affix my signature, in the presence of two witnesses, this 24th day of September, A. D. 1894.

WILLIAM F. McCREADY. [L. S.]

In presence of—
R. L. McCREADY,
J. K. BARBOUR.