UNITED STATES PATENT OFFICE.

THOMAS NORTON, OF FALL RIVER, MASSACHUSETTS.

PICKER-CHECK FOR LOOMS.

SPECIFICATION forming part of Letters Patent No. 411,556, dated September 24, 1889.

Application filed June 8, 1889. Serial No. 313,619. (No model.)

To all whom it may concern:

Be it known that I, THOMAS NORTON, of Fall River, in the county of Bristol and State of Massachusetts, have invented a new and useful Improvement in Picker-Checks for Looms, of which the following is a specification.

This invention consists of means whereby the motion of the picker-staff is checked at the finish.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a perspective view of portions of the lay or batten and picker-staff of a loom sufficient to illustrate the invention. Fig. 2 is a plan of the under side of the lay, (or lathe,) the picker-staff being shown in horizontal section. Fig. 3 is a cross vertical section on line *x*, Fig. 2.

A is the lay or batten, and B is the picker-staff. The lay is provided at its end on the outer surface with the metallic strengthening-strap C, and within with the leather buffer D, as shown.

E is a bolt extending vertically through the lay and provided with a nut *e*, whereby the check-lever H is pivotally secured to the under side of said lay or batten.

I is a spring, one end of which is secured to a block J, rigidly attached to the lay, and the other end of which bears against the rear or inner portion of the check-lever H, causing its outer end to project normally inward. As the picker-staff approaches, it strikes first this check-lever, which yields by thrusting back the spring, but retards the motion of the picker-staff, which strikes the buffer D with comparatively little force. The position of the parts before the check-lever H is struck is shown by broken lines in Fig. 2, and their position afterward is shown by full lines in the same figure.

By the above means the use of the long leather check-strap, which soon became worn out by the violent blows upon it, is done away with.

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

In a loom, the combination of the lay or batten A, provided with the metallic strap C and buffer D, the check-lever H, pivotally secured to the under side of said lay, spring I, one end of which bears against said check-lever, and the picker-staff B, substantially as and for the purpose described.

THOMAS NORTON.

Witnesses:

JAMES STOTFORD,

ALFRED SHOARD.

(No Model.)

W. D. SCARBOROUGH.

DOOR CHECK.

No. 411,557. Patented Sept. 24, 1889.

Fig. 1.

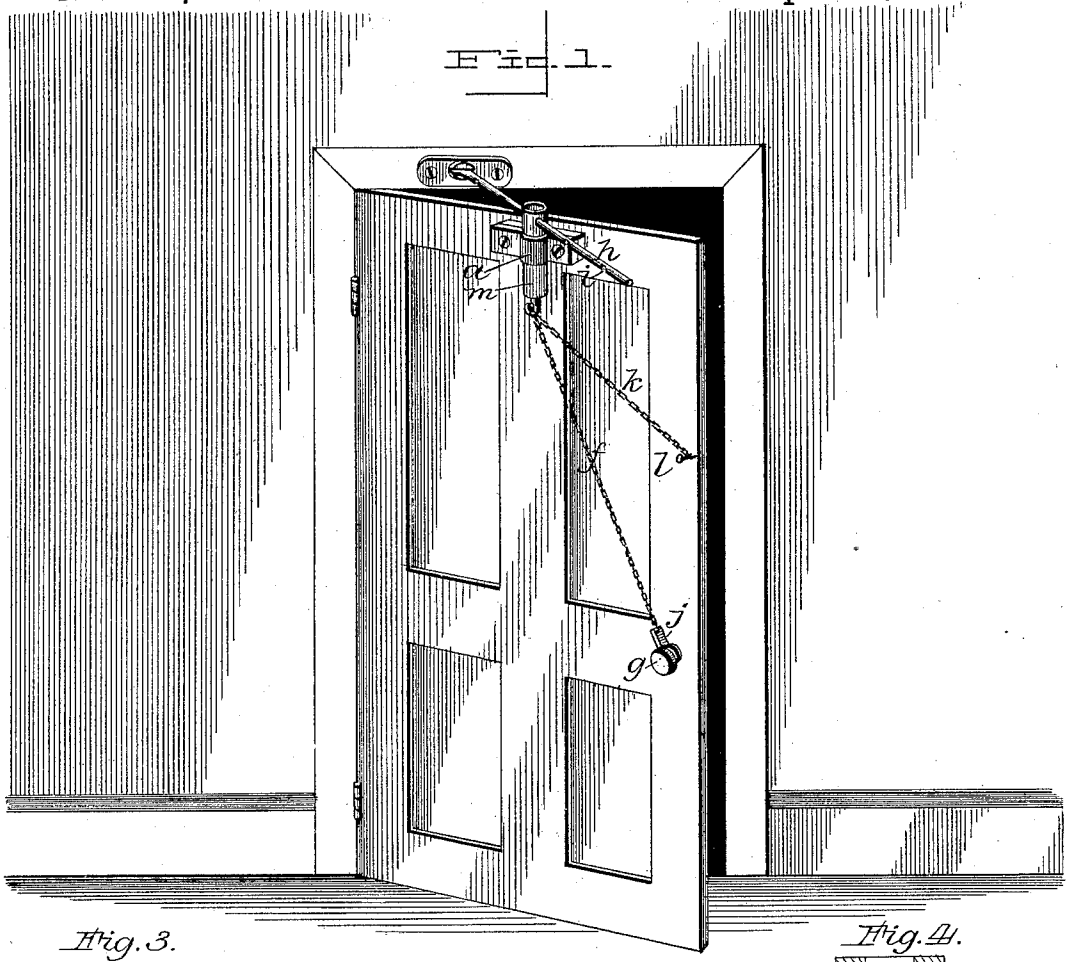


Fig. 3.

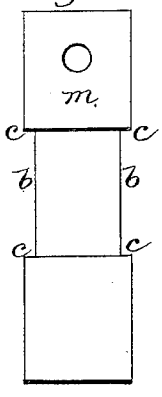


Fig. 2.

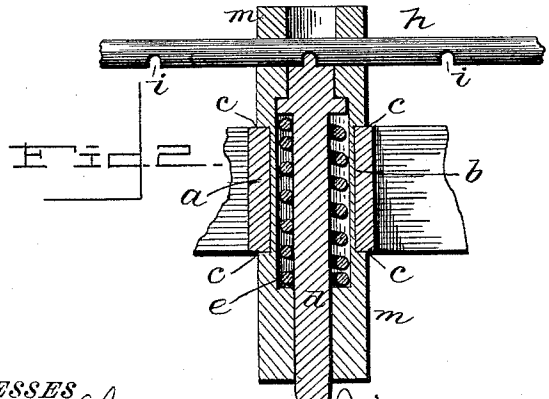
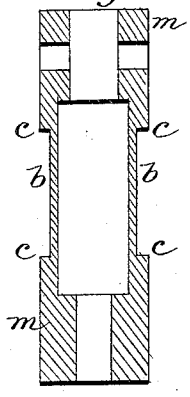


Fig. 4.



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