

(No Model.)

T. MOONEY.
CHECK FOR PICKER STICKS..

No. 569,880.

Patented Oct. 20, 1896.

Fig. 1.

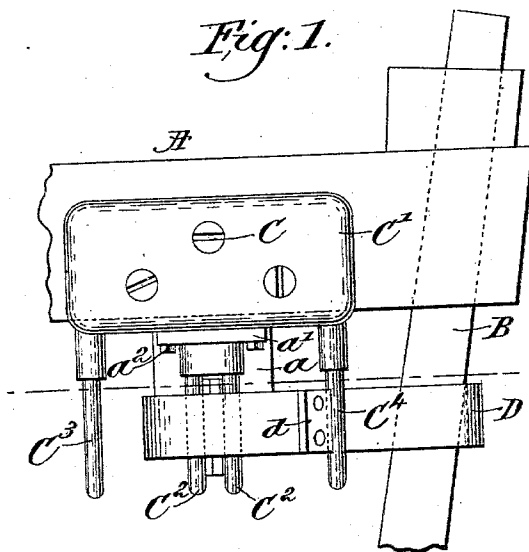


Fig. 2.

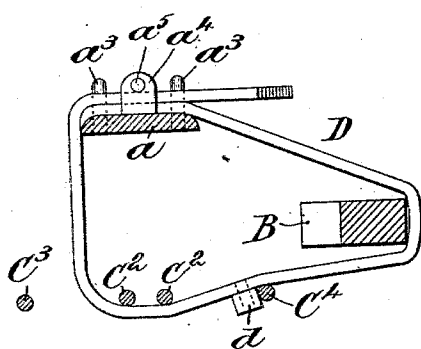
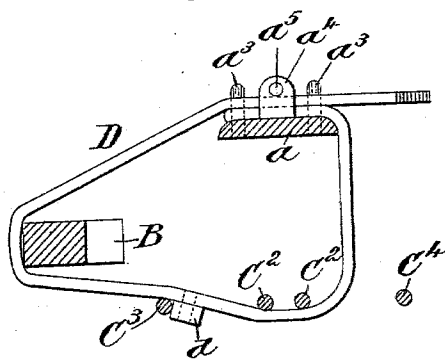


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

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CHECK FOR PICKER-STICKS.

SPECIFICATION forming part of Letters Patent No. 569,880, dated October 20, 1896.

Application filed January 10, 1896. Serial No. 575,027. (No model.)

To all whom it may concern:

Be it known that I, TIMOTHY MOONEY, of Fall River, county of Bristol, State of Massachusetts, have invented an Improvement in Checks for Picker-Sticks, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

The picker-stick check herein shown consists of a leather strap connected rigidly at or near both its ends to a holder attached to and carried by the lay, the strap being thus made into a complete short loop of a length less than the length of stroke of the picker-stick which it surrounds, the latter working in and striking first one and then the other end of said loop as it reaches the extremity of its stroke, the said strap having attached to it a lug which coöperates with a stop also carried by the lay, said stop serving to arrest the movement of the loop under the action of the picker-stick as the latter, acted upon by an incoming shuttle, reaches the extremity of its outward throw in the box, the loop stopping the stick before it reaches the end of the slot in the box in which the said stick works.

Figure 1 shows a part of one end of the lay of a loom, part of a picker-stick and my improved check; Fig. 2, a section below the line *x*, Fig. 1; and Fig. 3, a like section, but with the picker-stick in its other extreme position.

The lay A and picker-stick B and their actuating devices (not shown) are and may be all as common to ordinary looms. The lay has connected to it by screws C a stand C', having a series of depending rods C² C³ C⁴, the pins C² acting as guides, while those C³ C⁴ serve as stops. At the under side of the lay I provide a depending plate *a*, having a flange *a'*, through which and into the lay are passed screws *a²*, the said plate having at its rearside two studs *a³*, and a projection *a⁴*, having a hole for the reception of a pin *a⁵*. The strap D, as shown, has one of its ends passed over the two studs *a³*, and then the strap is carried about the pins C² C³, and its opposite end is passed over the studs *a³*, and the pin *a⁵* is inserted to keep the ends in place on the studs, the loop so made of the strap being of less length than the length of the stroke of the picker-stick, so that the picker-stick located inside the said loop may have

only definite extent of motion in each direction, the stick striking the inside of said loop in each of its movements forward and backward, and moving the strap with it until a lug *d*, preferably a block of leather, properly riveted to said strap meets one or the other of the stop-pins, when the further movement of the loop is stopped and the movement of the stick is arrested. The carrying of this rather stiff loop backward and forward by the action of the stick against it acts as a check to retard the movement of the stick.

The stop C⁴ is met by the lug connected to the strap when the stick is moving outwardly and resisting the momentum of a shuttle acting against it and entering the shuttle-box, the said lug meeting said strap and checking any further movement of said strap and stick just before the edge of the stick meets the outer end of the slot in the lay in which said stick works, for if the stick should meet the end of said slot the blow would be a hard one, which would soon wear out the stick, and would, because of its hard blow, displace the shuttle.

The shuttle should be checked gradually and with elasticity, and this the loop-strap described does.

In this invention the loop made from the strip will in all instances be of a length inside less than the stroke of the picker-stick.

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

In a loom, a picker-stick, a lay having an attached plate, a strap attached to said plate and made into a loop of a length inside less than the stroke of the said stick, and a lug connected to said strap, combined with a stop carried by the said lay and adapted to be struck by the said lug to stop further outward movement of said strap just before the stick in its outward movement, resisting the momentum of the shuttle, reaches the outer end of the slot in the lay in which it works, substantially as described.

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

TIMOTHY MOONEY.

Witnesses:

JULIA A. MURPHY,
GEO. OTIS DRAPER.