

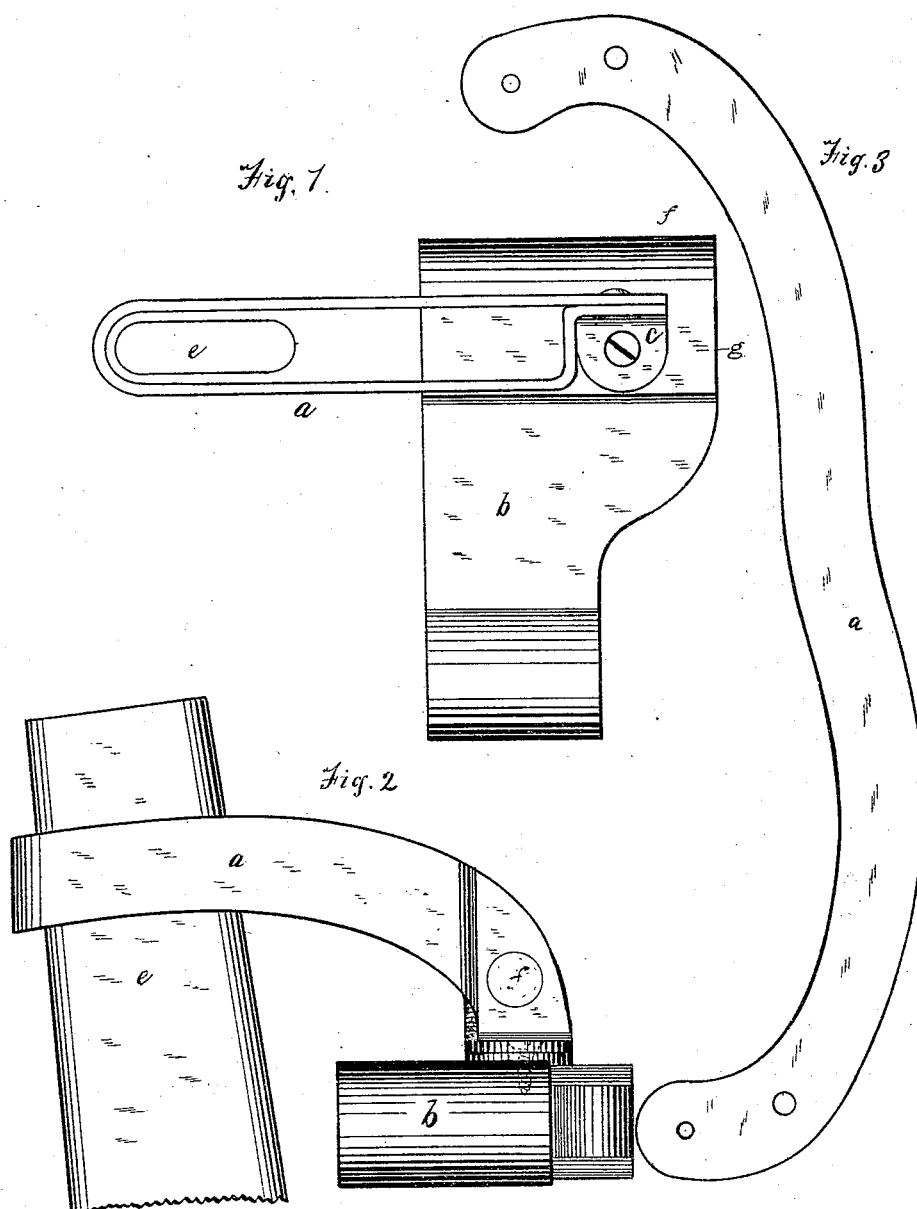
(No Model.)

C. E. FARR.

STRAP FOR CONNECTING PICKERS WITH PICKER STICKS OF LOOMS.

No. 454,641.

Patented June 23, 1891.



Witnesses

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STRAP FOR CONNECTING PICKERS WITH PICKER-STICKS OF LOOMS.

SPECIFICATION forming part of Letters Patent No. 454,641, dated June 23, 1891.

Application filed January 9, 1889. Serial No. 295,871. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. FARR, a citizen of the United States, residing at Saxton's River, in the county of Windham and State of Vermont, have invented new and useful Improvements in Straps for Connecting Pickers with Picker-Sticks of Looms, of which the following is a specification, reference being had to the accompanying drawings and letters of reference marked thereon.

The object of my invention is to provide detachable connecting mechanism between the picker-stick and the picker of a loom which will embody the qualities of simplicity in construction, durability, resiliency in material, and certainty in operation.

I am aware that single straps of buffalo-hide tanned to rigidity have been used for the purpose named, and also that the picker-stick has been fitted to a slot in the sley with a slotted metallic frame arranged about and secured thereto.

It is a special purpose of my improvement to make a connection between the picker-stick and the picker which may be readily removed on fracture of the connecting-strap or conveniently replaced by a new one.

My improvement therefore consists in the novel construction of the picker-connecting strap and in the combination of the respective parts, as hereinafter described, and as will be particularly pointed out in the claims.

In the accompanying drawings, forming a part of this specification, Figure 1 is a top view of any ordinary picker and picker-stick operatively connected by my improved picker-connecting strap. Fig. 2 is a side view of the same, and Fig. 3 is a view of the picker-connecting strap distended.

Referring now to the drawings in detail, the letter *b* represents the picker, which is of the usual well-known construction and of any suitable material.

The letter *a* represents my improved picker-connecting strap, made of rawhide, or similar substance which possesses the qualities of rigidity or resiliency in order that it may retain its shape and also resist the strokes of the picker-stick and strain thrown upon it. This strap is made of a single strip or band

of material, formed with a foot or seat *c*, perforated to receive a fastening means and adapted to set on the upper face of the picker, and from said seat it is shaped in the form of a loop having parallel sides. One end of the strap is brought around until near the foot portion of the other side, and then struck at about a right angle to the sides of the loop, and again struck at a line parallel to the sides of the loop, and the end rigidly secured to the long side of the loop by means of the rivet *f*, substantially as shown in Fig. 2 of the drawings. The foot is formed by bending the two end portions at a right angle to the sides of the strap, as shown. I prefer to arch the loop upward from the base or point of attachment to the picker, as shown in the drawings. The strap and picker are united by means of a screw or bolt *g*, passed through the seat or foot *c* and into the picker, and the loop is disposed in the line of motion and set about the upper end of the picker-stick, as seen in the drawings.

The form of blank from which the strap is made is preferably that shown in Fig. 3. This blank while in the process of manufacture, being of a pliable consistency, is bent to form the foot *c*. The blank thus formed may be readily applied to a loom and may be supplied to the trade as an article of manufacture.

The operation is apparent. The picker-stick moves in the loop, striking the picker to drive it forward and impinging at the end of the loop to draw it back. It will be seen that the stick is loosely fitted in the loop, which disposition avoids other connections between the parts.

The device may be manufactured and sold as a separate article of manufacture.

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

1. The picker-strap formed of a single blank or band formed into a loop having parallel sides to receive the picker-stick, and a foot or shank integral with the strap and arranged at right angles to the face of the strap and adapted to be fastened to the picker, substantially as described.

2. The picker-strap consisting of a single

blank formed into a loop having parallel sides to receive the picker-stick, and having the ends arranged at right angles to the face of the strap and disposed one upon the other
5 and adapted to be fastened to the picker, and a rivet through the shank to hold the parts together, substantially as described.

3. The combination, with the picker-stick and picker, of a connecting-strap consisting
10 of a single blank formed into a loop having

parallel sides to receive the picker-stick, and having the ends arranged at right angles to the face of the strap and disposed one upon the other and adapted to be fastened to the picker, and a rivet through the shank to hold
15 the parts together, substantially as described.

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Witnesses:

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