

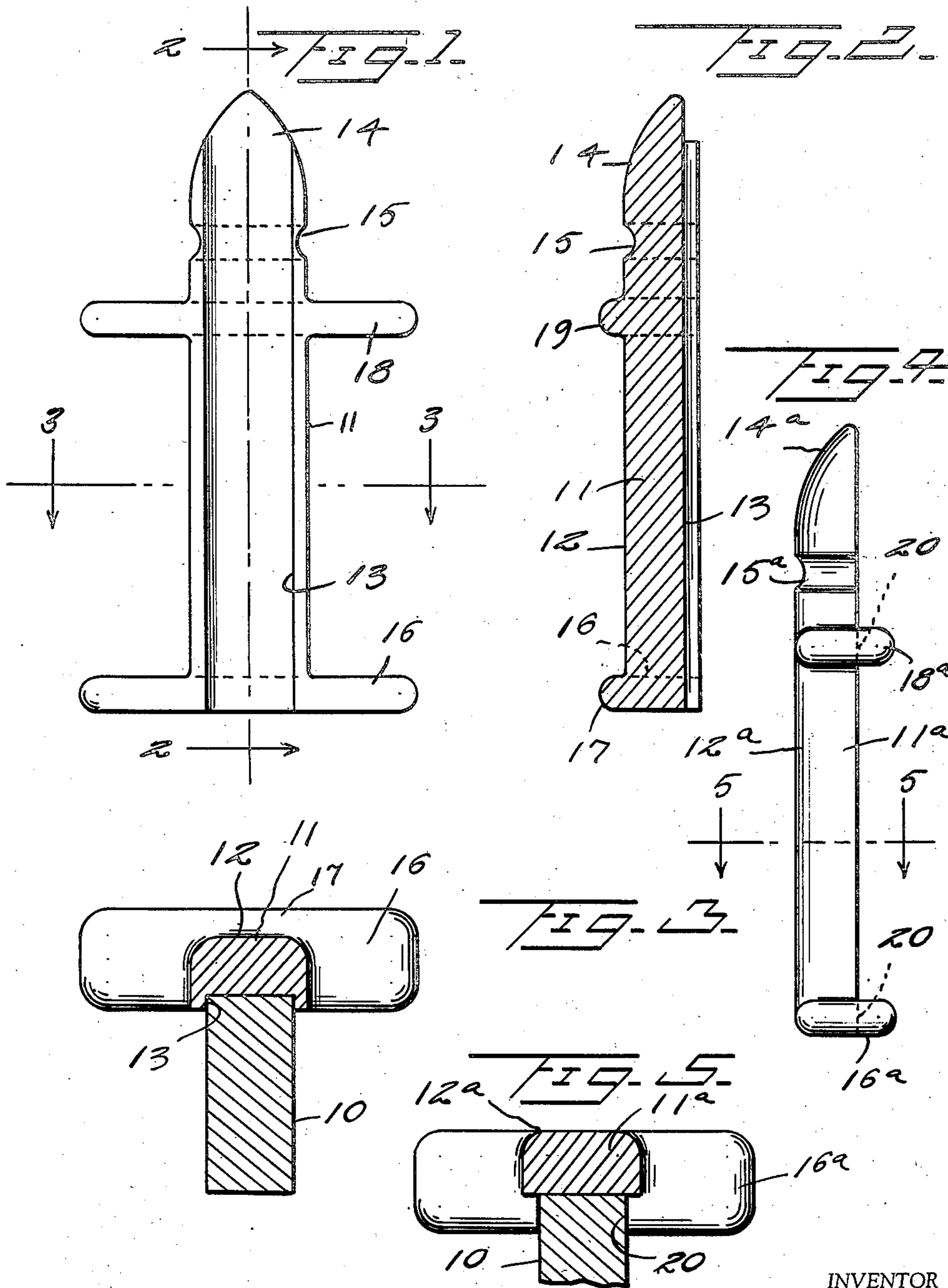
April 10, 1951

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2,548,260

PICKER STICK STRAP LUG

Filed Dec. 30, 1949



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2,548,260

PICKER STICK STRAP LUG

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Application December 30, 1949, Serial No. 135,947

1 Claim. (Cl. 139—154)

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This invention relates to a picker stick strap lug for looms.

An object of this invention is to provide an improved lug or strap holder for mounting on the picker stick of a loom which is preferably formed out of cast metal, such as brass, aluminum alloy or the like, and is so constructed and arranged as to eliminate undue wear on the lug strap. The device herein disclosed will also make it unnecessary to stop the loom frequently for repairs and will thereby effect a very substantial economy in loom operation and also will thereby speed up and improve production.

With the above and other objects in view, my invention consists in the arrangement, combination and details of construction disclosed in the drawings and specification, and then more particularly pointed out in the appended claim.

In the drawings:

Figure 1 is a detailed rear elevation of a picker stick strap lug constructed according to an embodiment of this invention.

Figure 2 is a sectional view taken on the line 2—2 of Figure 1.

Figure 3 is a sectional view taken on the line 3—3 of Figure 1.

Figure 4 is a detail side elevation of a modified form of this invention.

Figure 5 is a sectional view taken on the line 5—5 of Figure 4.

Referring to the drawing, the numeral 10 designates generally a conventional picker stick associated with a loom, and the numeral 11 designates generally an elongated bar which is adapted to be mounted on one side of the stick 10. The bar 11 is formed with a rounded outer surface 12 and is provided on the opposite side with a longitudinally extended channel or groove 13 within which the stick 10 is adapted to engage.

The bar 11 at one end thereof is formed with a rounded pointed end 14, and a groove 15 is formed in the bar 11 adjacent the point 14 within which a clamping U-bolt is adapted to engage for holding the lug on the picker stick 10. The bar 11 at the end thereof opposite from the point 14 is provided with a pair of laterally projecting wings 16 which are adapted to be engaged by an edge of the strap so as to hold the strap against movement of one end of the bar 14.

The two wings 16 are connected together by a connecting flange or rib 17 which projects from the curved surface 12 of the bar 11 as shown in Figure 3. The bar 11 is also provided with a second pair of laterally projecting wings 18 spaced from the wings 16, and the wings 18 are connected together by means of a flange or rib 19 projecting from the curved surface 12 of the bar 11.

The lug hereinbefore described is adapted to

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be made out of metal which is formed with smooth strap engaging surfaces so that the strap will freely slide over the bar 11 and will not cause undue wear on this bar between the wings 16 and 18. With a lug as hereinbefore described, in the event any slack should occur in the strap, the strap will not ride off the lug by reason of the laterally projecting wings 16 and 18.

Referring now to Figures 4 and 5, there is disclosed a modified form of lug which includes an elongated bar 11a formed with a rounded outer surface 12a. At one end the bar 11a is formed with a rounded point 14a. A groove 15a is formed in the bar 11a at the inner end of the point 14a, and a pair of laterally projecting wings 16a are disposed at the end of bar 11a opposite point 14a. A second pair of wings 18a are disposed adjacent the groove 15a and are parallel with wings 16a. The forward edges of wings 16a and 18a are flush with the rounded outer side 12a, whereas the wings 16a and 18a project from the rear side of bar 11a as shown in Figure 5. The wings 16a and 18a are formed with grooves 20 for receiving the picker stick which is adapted to bear against the rear side of bar 11a.

I claim:

A picker stick strap lug adapted for mounting on a picker stick, comprising an elongated member having a transverse groove adjacent one end thereof, said groove being adapted to receive an element for securing said lug to said stick, a pair of transversely extending wings carried by said member adjacent said groove but inwardly thereof from the end of said member, a second pair of transversely extending wings carried by the opposite end of said lug, both said pair of wings extending transversely a substantial distance from the sides of said lug, said wings having a width greater than the thickness of said member, and a rib connected between each pair of said wings and projecting from the forward side of said member.

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