Aug. 8, 1961 O. L. CARTER 2,995,153

LOOM PICKER STICK CHECK

Filed June 8, 1959 3 Sheets-Sheet 1

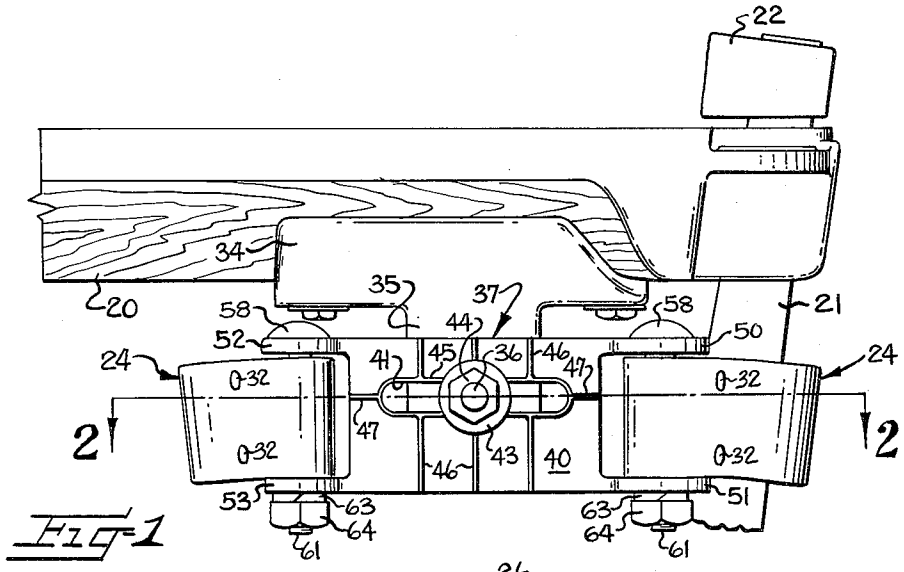

Fig-1

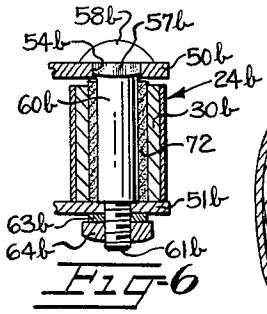

Fig-6

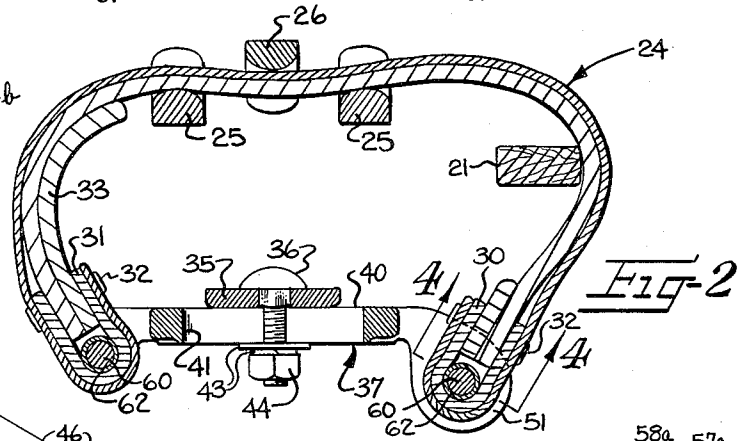

Fig-2

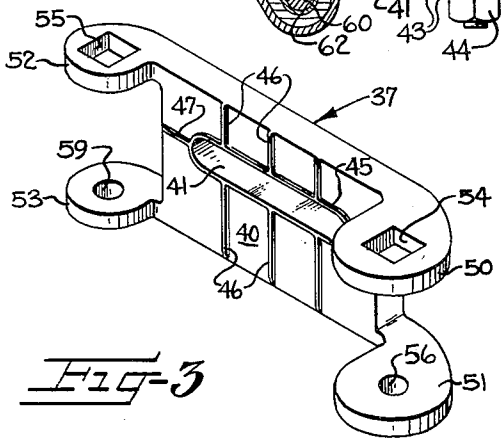

Fig-3

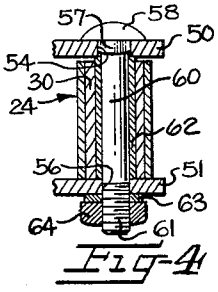

Fig-4

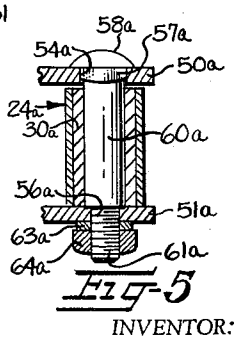

Fig-5

INVENTOR:
OTIS L. CARTER

BY Eaton, Bell, Hunt & Seltzer

ATTORNEYS

Aug. 8, 1961 O. L. CARTER 2,995,153

LOOM PICKER STICK CHECK

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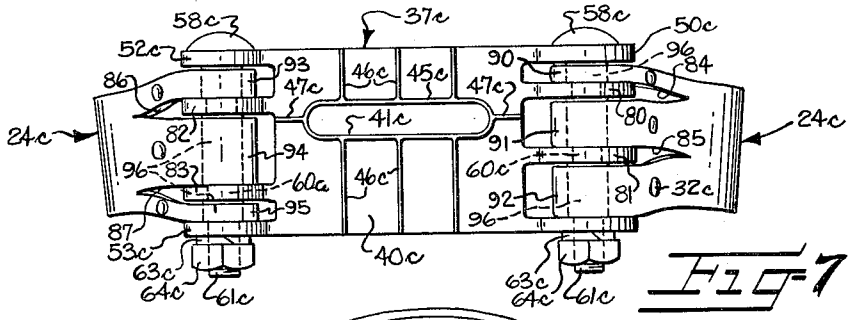

Fig-7

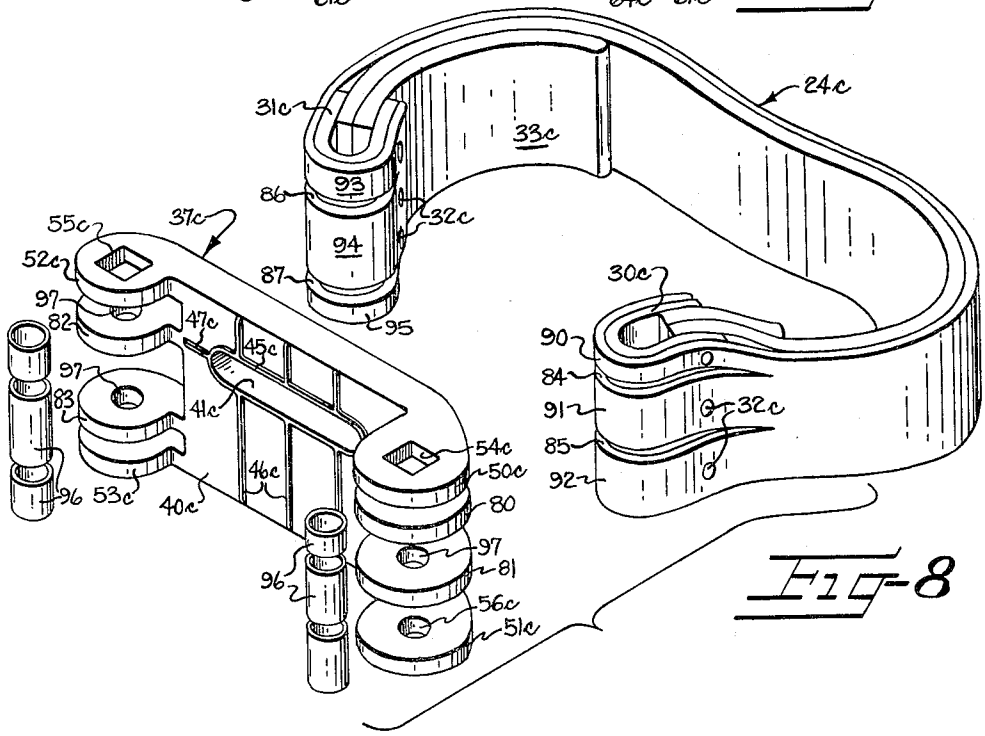

Fig-8

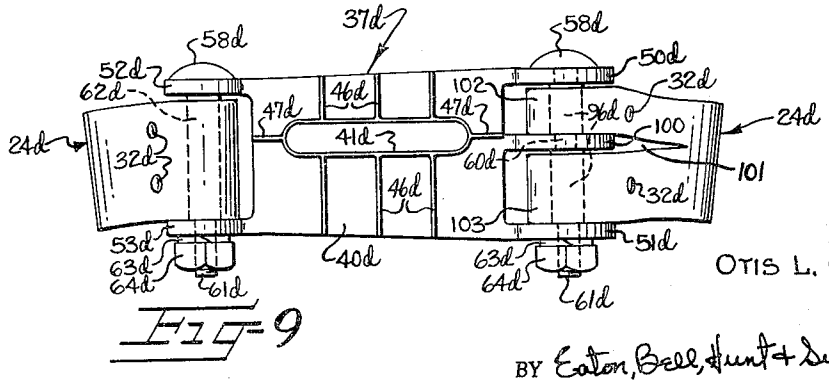

Fig-9

INVENTOR:
OTIS L. CARTER

BY Eaton, Bell, Hunt & Seltzer

ATTORNEYS

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LOOM PICKER STICK CHECK

Filed June 8, 1959 3 Sheets-Sheet 3

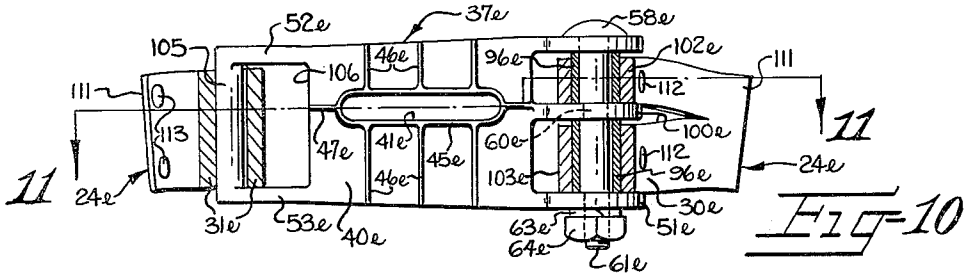

Fig-10

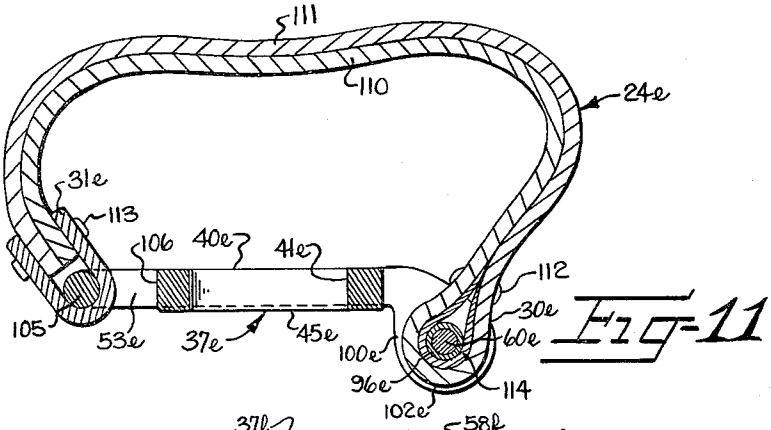

Fig-11

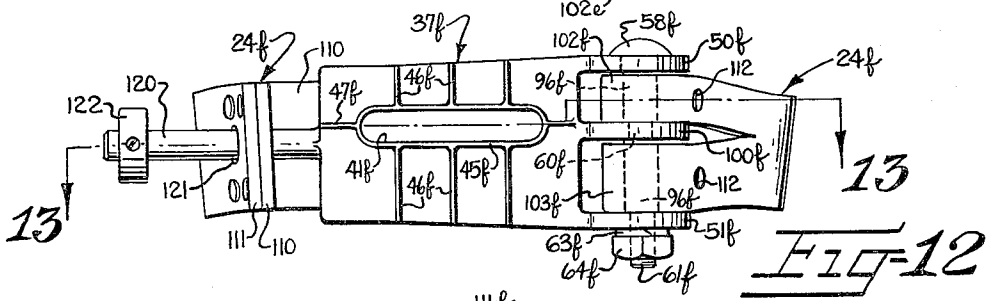

Fig-12

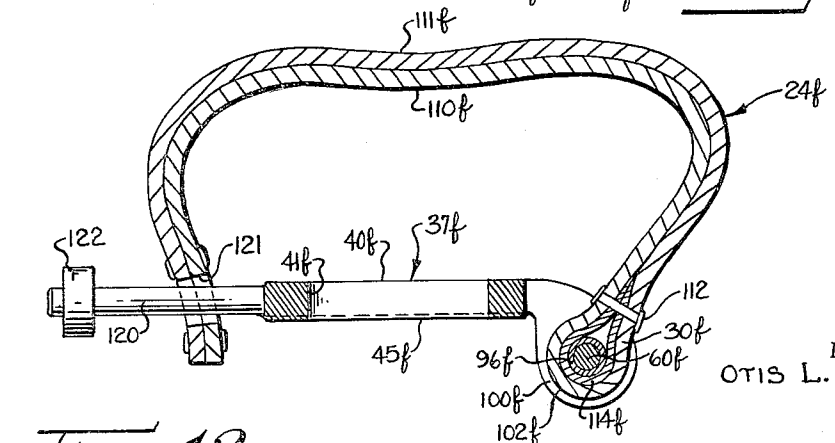

Fig-13

INVENTOR:
OTIS L. CARTER

BY Eaton, Beel, Hunt + Seltzer

ATTORNEYS

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2,995,153

LOOM PICKER STICK CHECK

Otis L. Carter, Greenville, S.C., assignor to Slip-Not Belting Corporation, Kingsport, Tenn., a corporation of Tennessee

Filed June 8, 1959, Ser. No. 818,584
18 Claims. (Cl. 139—165)

This invention generally relates to looms and, more especially, to an improved picker stick check for looms which includes a novel support for the check strap which support is so constructed as to permit freedom of movement of the check strap about the points at which it is connected to the support so as to not only extend the useful life of the check strap, but to also support the check strap in such a manner to prevent the support from becoming worn or out of alinement to thereby last indefinitely.

As is well known, most picker stick checks include a belt which forms a check strap through which the picker stick extends. The picker stick is thrown against a portion of the check strap each time a shuttle is thrown into the corresponding shuttle box and then the picker stick throws the shuttle out of the box with a return or inward picking stroke thereof and again engages and moves inwardly with a portion of the check strap.

Some prior devices have included a check strap support having one or more pins or shafts for connecting looped portions or members on opposed ends or either end of the check strap to the check strap support. However, such prior devices have required frequent repair or adjustment due to the fact that the pins were not adequately supported to withstand the repeated impacts of the picker stick against the check strap. Also, many such devices have included separate elements carried by the hanger of the checking apparatus, and such supports were not only difficult to install, but they required frequent adjustment to compensate for the support elements or brackets becoming displaced due to the impacts of the picker stick against the check strap.

It is a primary object of this invention to overcome the above defects by providing a picker stick check having a check strap bracket or support in the form of a solid integral member having a rigidly supported pin in at least one end thereof for supporting a corresponding looped end portion of a check strap.

The check strap support of the present invention comprises a substantially flat body which is slotted for reception of a bolt extending through the usual hanger and whereby the body can be adjusted relative to the hanger. Further, either end of the body is provided with at least two spaced ears formed integral with the body and which support spaced portions of a pin or bolt, which may or may not be provided with suitable spacer means or bearing means thereon, and about which a corresponding looped end portion of a check strap is positioned. The ears are maintained apart so the corresponding portion of the check strap may move freely and pivot freely about the corresponding pin or bolt, or the sleeve or bearing positioned on the bolt.

In one form of the invention, a spaced pair of ears is provided at each end of the bracket for carrying the pin about which a corresponding looped portion of the check strap is positioned. In another form of the invention, one or more intervening ears are spaced between the upper and lower ears and the corresponding end of the check strap is slit or slotted to receive the corresponding intermediate ear or ears. This provides for additional flexibility in the check strap as it is distorted by the impact of the picker stick with the check strap, it being well known that the picker stick engages corresponding

portions of the check strap while extending at an angle relative to the vertical axis of the check strap support.

Further embodiments of this invention include, in addition to the ears at one end of the support, a vertically extending pin formed integral with the body, and a horizontally extending pin formed integral with the body, either vertically or horizontally extending pin being adapted to receive a corresponding end portion of the check strap.

Some of the objects of the invention having been stated, other objects will appear as the description proceeds when taken in connection with the accompanying drawings, in which—

FIGURE 1 is a rear elevation of one end portion of a lay of a loom showing a picker stick, picker and the improved picker stick check in association therewith;

FIGURE 2 is a sectional plan view taken substantially along line 2—2 in FIGURE 1;

FIGURE 3 is an isometric view of the first form of bracket or check strap support removed from the hanger of the checking unit;

FIGURE 4 is a fragmentary vertical sectional view taken substantially along line 4—4 in FIGURE 2;

FIGURE 5 is a view similar to FIGURE 4 in which a shoulder bolt is used for maintaining the required separation between the corresponding ears of the bracket rather than a sleeve as shown in FIGURE 4;

FIGURE 6 is another view similar to FIGURE 4 in which a friction or sleeve bearing is positioned about the shoulder bolt of FIGURE 5 to provide a metallic bearing surface between the corresponding looped end portion of the check strap and the pin or shoulder bolt;

FIGURE 7 is an elevation of a second form of the improved check strap support including intermediate ears between the upper and lower ears and showing a novel check strap mounted thereon;

FIGURE 8 is an isometric view of the structure shown in FIGURE 7 omitting the bolts and showing the check strap, spacing sleeves and brackets in exploded relationship;

FIGURE 9 is an elevation similar to FIGURE 7 and showing a third form of the invention wherein one end of the support is provided with three ears thereon and the other end is provided with two ears thereon;

FIGURE 10 is another view similar to FIGURE 7 with portions of the check strap broken away and shown in cross-section, and showing a fourth form of the invention in which one end of the support is provided with a plurality of ears and the other end is provided with a pair of ears between which a pin or pivot is formed integral therewith;

FIGURE 11 is a sectional plan view taken substantially along line 11—11 in FIGURE 10;

FIGURE 12 is a view similar to FIGURE 10 showing a fifth form of the invention in which ears are provided at one end of the bracket and the other end of the bracket is provided with a substantially horizontal pin or shaft portion which penetratess one end portion of the check strap; and

FIGURE 13 is a sectional plan view taken substantially along line 13—13 in FIGURE 12.

Referring more specifically to the drawings, the numeral 20 indicates the oscillatable lay of a loom through which the usual picker stick 21 extends. The picker stick 21 has a picker 22 on its upper end for propelling a shuttle across lay 20 and for receiving a boxed shuttle thereagainst. The shuttle is omitted in the present drawings.

The picker stick 21 is moved to and fro by conventional means, not shown, and in so doing, the picker stick engages a check strap 24 so as to cushion and check its movement at each end of its stroke. The check strap 24

may be of any desired construction and is shown in the form of a multi-pliable member preferably made from leather with a fabric material applied to the exterior surface thereof. The medial portion of a check strap **24** passes through a conventional friction device suitably suspended from the lay **20** and which comprises a pair of inner friction fingers **25** and an outer friction finger **26**. As is well known, the outer friction finger **26** is adjustable inwardly and outwardly relative to the inner friction fingers **25** for applying a certain amount of friction to the check strap **24** passing between finger **26** and fingers **25**.

The check strap **24** has loop members **30**, **31** suitably secured to opposite ends thereof, as by rivets **32**. A helper strap **33** may also be secured to the inner end portion of check strap **24** for reinforcing the check strap as picker stick **21** engages the same at the end of each active stroke of picker stick **21**. It will be noted that the bights of the loop members **30**, **31** are spaced from the corresponding ends of the strap **24** so as to be mounted on the improved check strap support to be presently described. The lay **20** also has a suitable hanger **34** suitably secured to the rear surface thereof which has a downwardly extending portion **35**. Portion **35** of hanger **34** is penetrated by a bolt **36** for securing the improved check strap support or bracket **37** thereto.

Bracket **37** comprises a substantially flat or planar body **40** which is provided with a longitudinally extending or substantially horizontally extending slot **41** therein. Slot **41** terminates short of opposite ends of the body **40**. The shank of bolt **36** loosely extends through slot **41** and secures the support **40** to stem **35** of hanger **34** by means of washers **43** and a nut **44**. In order to assist in maintaining bracket or support **40** in the desired position, the outer surface of bracket **40** is provided with a plurality of relatively narrow rib portions thereon, one of which is indicated at **45** and extends entirely around slot **41**.

A plurality of other ribs are shown extending vertically from opposed upper and lower portions of endless rib **45**, the latter ribs being indicated at **46**. In addition, a substantially horizontal rib **47** extends from each looped end portion of rib **45** to the corresponding outer end of the body **40**. All the ribs **45**, **46**, **47** are preferably relatively thin so as to be upset by the inner washer **43** being tightened thereagainst when nut **44** is tightened on bolt **36**. Although it is preferable that support **37** be positioned against the outer surface of stem **35** of hanger **34**, it is contemplated that the outer surface of body **40** may be positioned against the inner surface of stem **35**.

Formed integral with opposite ends of body **40** are spaced parallel and relatively thin ears for supporting therebetween corresponding looped members **30**, **31** at opposite ends of check strap **24**. The ears at that end of body **40** adjacent the outer end of lay **20** are indicated at **50**, **51** and the ears at the inner end of bracket or support **37** are indicated at **52**, **53**. The ears **52**, **53** have respective holes therethrough for receiving pins about which the loops **30**, **31** extend. In this instance, the upper ears **50**, **52** at opposite ends of bracket **37** are provided with square holes or openings **54**, **55** therein and the lower ears **51**, **53** are provided with respective round holes **56**, **59** therethrough which may be of lesser diameter than the distance across the flats formed by the square holes **54**, **55**.

Now, the square holes **54**, **55** are each provided for receiving a shoulder or polygonal portion **57** beneath the head **58** of a bolt or pivot pin **60** whose threaded lower portion **61** loosely penetrates the corresponding hole **56** or **59** through the respective lower ears **51**, **53** as the case may be. In FIGURE 4, ears **50**, **51** and the respective bolt **60** are shown in detail. It will be noted that the body or shank of bolt **60** is encircled by a spacer sleeve **62** which, as shown in FIGURE 4, maintains the respective ears **50**, **51** in proper spaced relationship so they do not bind opposite ends of loop portion **30**, which substantially surrounds the respective sleeve **62** on the body of bolt **60**. This is particularly desirable due to the fact that a washer **63** and a nut **64** are mounted on the lower threaded portion **61** of each bolt **60**. Since the ears **50**, **51** are relatively thin, the sleeve **62** permits the nut **64** to be tightened to any desired extent on the threaded portion **61** of each bolt **60**.

From the foregoing, it is apparent that the picker stick may repeatedly flex opposite end portions of the check strap **24** with heavy impacts without varying the relative positions of the bolts **60** secured in the respective pairs of ears **50**, **51** and **52**, **53**, and without causing these bolts to move relative to body **40** or stem **35** of hanger **34**.

It is preferable that the inner ears **52**, **53** of bracket **37** are relatively shorter or do not project rearwardly beyond the body **40** to the extent that the ears **50**, **51** should extend. This is desirable because of the fact that the casings (not shown) for the usual gearing or motors of most looms are disposed very close to the lay or checking apparatus when the lay **20** moves in a rearward stroke and, if the inner ears **52**, **53** extended rearwardly beyond body **40** to the extent that the ears **50**, **51** should extend, they would engage the gear casings or motors of such looms. Further, the ears **50**, **51** of the outer end of the body **40** of support **37** should project outwardly or rearwardly relative to the body **40** to a substantial extent in order that the corresponding pivot pin **60** may be positioned sufficiently rearwardly of the path of travel of the picker stick **21** to provide a smoother curved check strap portion for engagement by the picker stick **21** in the course of its outward or shuttle-receiving strokes.

It is apparent, by referring to FIGURES 2 and 3, that by projecting the two sets of ears **50–53** rearwardly of body **40**, the body **40** may be relatively thin, and the ears provide sufficient material to adequately support the loop portions **30**, **31** and the pins **60**, even though the pins **60** may be positioned partially or entirely rearwardly of the plane of the rear face of body **40** as shown in FIGURE 2. This permits the right-hand or outer portion of the check strap **24** to be curved at a relatively large radius to thereby reduce the extent to which the check strap **24** must be flexed each time the picker stick **21** completes a shuttle-receiving or inactive stroke, thereby increasing the useful life of the check strap **24**.

FIGURE 5 shows portions of ears **50***a*, **51***a* which are representative of ears **50**, **51** and **52**, **53**, and wherein a shoulder bolt **60***a* is substituted for the straight bolt **60**. As is the case in the illustration of FIGURE 4, the shoulder bolt **60***a* is provided with a square or polygonal portion **57***a* which fits in the corresponding square hole **54***a* in ear **50***a*. However, the body of shoulder bolt **60***a* is enlarged to the extent that it is provided with a reduced threaded portion **61***a* which extends through hole **56***a* and has a washer **63***a* and nut **64***a* mounted thereon. Since the shoulder at the juncture of the body and the reduced threaded portion **61***a* of shoulder bolt **60***a* bears against the upper surface of ear **51***a*, nut **64***a* may be tightened to any desired extent without forcing the ears **50***a*, **51***a* toward each other, thus preventing the ears **50***a*, **51***a* from binding the corresponding looped portion **30***a* of check strap **24***a*. Thus, ears **50***a*, **51***a* rigidly support spaced portions of the pin embodied in shoulder bolt **60***a*, and the looped end of check strap **24***a* substantially encircles said pin between said spaced portions. Since a sleeve need not be used with shoulder bolt **60***a*, the bight of loop member **30***a* engages the body of shoulder bolt **60***a*.

In FIGURE 6, ears **50***b*, **51***b* are shown in which they are also provided with a shoulder bolt **60***b*, of the type shown in FIGURE 5. Accordingly, the parts in FIGURE 6 shall bear the same reference characters as the parts in FIGURE 5, with the suffix letter "*b*" substituted for "*a*," where applicable. The ears **50***b*, **51***b* correspond to the respective ears **50**, **51** in FIGURE 3. The structure in FIGURE 6 differs from that shown in FIGURE 5 only in that a friction bearing or sleeve bearing

72, which is preferably made from an oil-impregnated metal, is provided between the loop member 30*b*, at the corresponding end of check strap 24*b*, and the body of the shoulder bolt 60*b*. Bearing 72 is preferably of the type commonly known as an "oilite" bearing. Bearing 72 is preferably slightly shorter than the distance between ears 50*b*, 51*b* so that it may rotate freely about the body of shoulder bolt 60*b* and with the corresponding looped portion or end member 30*b* of check strap 24*b*.

Referring to FIGURES 7 and 8, a second form of the invention is shown in which the check strap support is quite similar to the check strap support of the first form of the invention, but is provided with additional intermediate ears between the upper and lower ears at opposite ends of the bracket. Also, the check strap is provided with slits to accommodate the additional ears on the body of the support. Accordingly, those parts in FIGURES 7 and 8 which are similar to corresponding parts shown in FIGURES 1 through 4 will bear the same reference characters, with the small letter "*c*" added thereto, to avoid repetitive description.

In order to provide increased flexibility to the ends of the check strap 24*c* so that its rounded end portions may better conform to the angle of the picker stick as it approaches the ends of its strokes in opposite directions, opposed ends of the body 40*c* of the second form of support 37*c* are provided with intermediate ears or ear portions spaced between opposed upper and lower ear portions.

In this instance, ears 50*c*, 51*c* and 52*c*, 53*c* have respective pairs of spaced intermediate ears 80, 81 and 82, 83 spaced therebetween, which ears may be relatively staggered as shown on opposite ends of body 40*c*, or they may be disposed in substantially horizontal alinement with each other. In other words, ears 80, 82 may be in the same horizontal plane and ears 81, 83 may be in the same horizontal plane, if desired.

In order to lend flexibility to check strap 24*c*, the looped portions 30*c*, 31*c* are severed or slotted at 84, 85 and 86, 87 to form respective groups of relatively thin strap portions 90–92 and 93–95 which loosely fit in the spaces between the respective ears 50*c*, 80, 81, 51*c* and 52*c*, 82, 83, 53*c*. In order to maintain all the ears at each end of the body 40*c* in proper spaced relationship as nuts 64*c* are tightened on the respective bolts 60*c*, the shank or body of each bolt 60*c* has a plurality of spacing sleeves 96 positioned thereon. Of course, the intermediate ears 80, 81, 82, 83 are each provided with a hole 97 through which the corresponding bolts or pins 60*c* loosely extend. Sleeves 96 are disposed between and engage the proximal surfaces of the corresponding ears 50*c*, 80, 81, 51*c* and 52*c*, 82, 83 and 53*c*.

The third form of the invention shown in FIGURE 9 is also quite similar to the first form of the invention and like parts will bear the same reference characters with the small letter "*d*" added thereto, where applicable, in order to avoid repetitive description. The structure shown in FIGURE 9 may be a combination of that shown in FIGURES 1 through 4 and 7 and 8, to the extent that one end of body 40*d* is provided with the two end ears 52*d* and 53*d* while the other end of body 40*d* is provided with an intermediate ear 100 in addition to the upper and lower ears 50*d*, 51*d*.

As is the case with the second form of the invention, the looped end portion of check strap 24*d* which is connected to outer bolt 60*d* is also split or severed, as at 101, to provide two separated check strap loop portions 102, 103 which straddle intermediate ear 100 and are positioned between intermediate ear 100 and the respective upper and lower ears 50*d*, 51*d*.

Since the inner end of bracket or support 37*d* is only provided with upper and lower ears 52*d*, 53*d* and is devoid of any intermediate ears, the corresponding looped end of check strap 24*d* need not be split. The belt or check strap 24*d* may be of the same width throughout its length. Thus, it will be noted that ears 50*d*, 51*d* are spaced slightly further apart than ears 52*d*, 53*d* to compensate for the thickness of intermediate ear 100. This may not be entirely necessary if the material is actually removed from the check strap 24*d* in forming the two separate check strap portions 102, 103. However, it is desirable in the interest of manufacture and maintenance of the useful life of the check strap 24*d* to merely provide a slit between portions 102, 103 of check strap 24*d* and to spread these portions apart so they fit astride intermediate ear 100.

The fourth form of the invention shown in FIGURES 10 and 11 is quite similar to the third form of the invention shown in FIGURE 9 and, accordingly, those parts shown in FIGURES 10 and 11 which are identical to or substantially the same as like parts shown in FIGURE 9 will bear the same reference characters with the letter "*e*" added to the numerals or substituted for the small letter "*d*" where applicable, in order to avoid repetitive description.

It will be observed, in the left-hand portion of FIGURES 10 and 11, that body 40*e* is provided with upper and lower outwardly projecting arm portions or ears 52*e*, 53*e* whose outer ends are interconnected by a pin or rod portion 105 formed integral with the ears 52*e*, 53*e*. The left-hand outer edge of body 40*e* and the proximal surfaces of ears 52*e*, 53*e* and rod 105 define an opening 106 through which a portion of looped end member 31*e* loosely extends. In this form of the invention, a different form of check strap 24*e* may be used as compared to the form of check strap shown in FIGURES 1 through 9.

As best shown in FIGURE 11, check strap 24*e* is in the form of a double-ended belt or strap which is folded laterally at its longitudinal central portion to form a loop 30*e* and inner and outer runs or reaches 110, 111 which are suitably secured together throughout their length, with the exception of the looped portion 30*e*. Portions or runs 110, 111 may be secured together by stitching or by a suitable adhesive and, in addition, rivets, such as rivets 112, may be used for securing runs 110, 111 together adjacent the looped portion 30*e* thereof.

It will also be observed in the right-hand portion of FIGURE 11 that the loop 30*e*, formed integral with the runs 110, 111 of check strap 24*e*, has a reinforcing pliable portion 114, made from leather or the like, adhesively or otherwise secured to the inner surface thereof and which substantially surrounds sleeves 96*e*, it having already been stated that the loop 30*e* is separated into two portions 102*e*, 103*e* by slit 100*e*.

The free end portions of the runs 110, 111 have the loop member 31*e* suitably secured thereto and straddling the same, as by means of a rivet 113. The loop member 31*e* is substantitally the same as the loop members 31 and 31*c* heretofore described. Check strap 24*e* may also be provided with a helper strap at its inner portion, such as the helper strap 33 shown in FIGURE 2.

Although the post or pin 105 may be offset rearwardly of the rear face of body 40*e* of bracket 37*e*, in the same manner in which the ears of the previous forms of the invention are offset, pin 105 is shown disposed in substantial alinement with the longitudinal plane or axis of body 40*e*, because the gear casings or motors of some looms may prohibit any rearward projection of the inner end or ears of the check strap support.

In FIGURES 12 and 13, a fifth form of the invention is shown wherein the bracket and check strap are quite similar to the bracket 37*e* and check strap 24*e* of the fourth form of the invention. Accordingly, those parts of the fifth form of the invention which are substantially the same as corresponding parts shown in FIGURES 10 and 11 will bear the same reference characters with the letter "*f*" substituted for the letter "*e*."

The fifth form of the invention differs from the fourth form in that the left-hand or inner end of bracket 37*f* is

provided with a longitudinally extending or substantially horizontal shaft or pin **120**, to accommodate the corresponding end of the check strap **24***f*. Check strap **24***f* may be provided with a longitudinally extending slot or a circular opening **121** therein which is adapted to move freely upon the shaft portion **120**. The shaft portion **120** may be integral with body **40***f* and may be provided with a suitable restraining means, such as a collar **122**, to prevent the corresponding end portion of the check strap from moving off the free end of shaft **120**. Since all the remaining elements of the structure shown in FIGURES 12 and 13 are identical to corresponding elements shown in FIGURES 10 and 11, a further description thereof is deemed unnecessary.

It is thus seen that I have provided several embodiments of an improved picker stick check comprising a solid and durable support for rigidly supporting vertical pins or, as shown in FIGURES 12 and 13, a vertical pin and a horizontal pin for, in turn, pivotally supporting corresponding ends of a pliable check strap as it is shifted from one position to another by a picker stick and as the body of the check strap is moved through a friction device for partially resisting its movement from either position to the other. Although the friction device comprising fingers **25**, **26** is omitted in the second, third, fourth and fifth forms of the invention, it is apparent that such fingers may be used with the other forms of the invention. As a matter of fact, the second, third, fourth and fifth forms of the invention only show the check strap and the support with the pins and sleeves in association therewith, since other elements of the picker stick check are clearly shown in FIGURES 1 through 6 and a further detailed showing in association with the remaining forms of the invention is deemed unnecessary.

In the drawings and specification, there have been set forth preferred embodiments of the invention and although specific terms are employed, they are used in a generic and descriptive sense only and not for purposes of limitation, the scope of the invention being defined in the claims.

I claim:

1. A picker stick check, adapted to be suspended from the lay of a loom, comprising a check strap, a bracket adapted to be suspended in fixed relation to said lay, means connecting opposed end portions of the check strap to said bracket, at least one of the latter means comprising a substantially vertical pin, means on said bracket for rigidly supporting said pin at at least three spaced portions thereon, and said check strap having a slitted looped end adapted to substantially encircle said pin between said spaced portions.

2. In a loom having a lay and an oscillating picker stick, a picker stick check comprising a bracket carried by the lay, at least one end of said bracket having at least two substantially vertically spaced ears projecting outwardly therefrom, a substantially vertical pin extending between and connected to said ears, at least one intermediate ear integral with said bracket and spaced between said first-named ears, said pin extending through said intermediate ear, a check strap substantially surrounding said stick, said strap being provided with a loop on at least one end thereof, said loop being pivotally mounted on said pin, and said loop being separated into at least two loop sections fitting between the first-named and intermediate ears.

3. A picker stick check, adapted to be suspended from the lay of a loom, comprising a check strap, a bracket adapted to be suspended in fixed relation to said lay, means connecting opposed end portions of the check strap to said bracket, one of the connecting means comprising a substantially vertical pin, means on said bracket for rigidly supporting said pin at spaced portions thereon, said check strap having a looped end adapted to substantially encircle said pin between said spaced portions, the other of said connecting means comprising a substantially horizontal rod integral with and extending outwardly from a medial portion of said bracket, and the corresponding end portion of said check strap being provided with an opening for loosely receiving said rod therethrough.

4. A structure according to claim 3 in which said rod is provided with a restraining means thereon to prevent the respective end portion of said check strap from being moved off of said rod.

5. In a loom having a lay and an oscillating picker stick, a picker stick check comprising a hanger carried by the lay, a support having a body adjustably secured to said hanger, said body having a substantially flat rear face thereon, a check strap provided with a loop on each end portion thereof, means pivotally connecting opposed end portions of said check strap to the support, said means comprising at least a pair of upper and lower ears projecting from and integral with each end of said body, a pin extending between and carried by said ears at each end of said body, said loops on the strap substantially encircling the respective pins, and at least one of said pairs of ears at least partially projecting rearwardly of the plane of said rear face.

6. In a loom having a lay and an oscillating picker stick, a picker stick check comprising a hanger carried by the lay, a support having a body adjustably secured to said hanger, said body having a substantially flat rear surface thereon, a check strap provided with a loop on each end portion thereof, means pivotally connecting opposed end portions of said check strap to the support, said means comprising at least a pair of upper and lower ears projecting from and integral with each end of said body, a pin extending between and carried by said ears at each end of said body, said loops on the strap substantially encircling the respective pins, both pairs of ears at least partially projecting rearwardly of the plane of said rear surface, and one pair of ears projecting rearwardly to a greater extent than the other pair of ears.

7. In a loom having a lay and an oscillating picker stick, a picker stick check comprising a bracket carried by the lay, at least one end of said bracket having at least three substantially vertically spaced ears projecting outwardly therefrom, pin means extending between and supported by said ears, a check strap substantially surrounding said stick, said strap including at least two loop portions on at least one end thereof, and said loop portions being loosely mounted on said pin means and straddling the centermost of said three ears.

8. In a loom having a lay and an oscillating picker stick, a picker stick check comprising a bracket carried by the lay and having a rear face thereon, at least one end of said bracket having at least two substantially vertically spaced first outer ears projecting outwardly therefrom, at least one intermediate second ear projecting outwardly from said bracket and spaced between said first ears, at least said first ears projecting rearwardly of the plane of said rear face, a substantially vertical pin means extending between and connected to said ears, a check strap substantially surrounding said stick, said strap being provided with at least two loop portions on at least one end thereof, and said loop portions being pivotally mounted on said pin and straddling said second ear.

9. A structure according to claim 8 in which said pin means comprises a bolt having a head and a body, said pin means being connected to said ears by said bolt body penetrating said ears, said bolt body having a threaded end portion, a nut on said threaded end portion for securing the bolt body in said ears, and a sleeve mounted on said body within at least one of said loop portions and engaging the proximal surfaces of adjacent ears.

10. In a loom having a lay and an oscillating picker stick, a picker stick check comprising a bracket carried by the lay and having a rear face thereon, a check strap having a loop on at least one end thereof, a pair of upper and lower ears projecting outwardly from at least one

end of said bracket and projecting rearwardly of the plane of said rear face, a shoulder bolt having a body and a reduced threaded portion, said body penetrating one of said ears and engaging the inner surface of the other of said ears, said threaded portion penetrating said other of said ears and having a nut thereon for securing said threaded portion in said other of the ears, and the loop on said strap substantially encircling said body.

11. In a loom having a lay, an oscillating picker stick, and a check strap for checking movement of the picker stick, and said check strap having at least two separated loop sections on at least one end thereof; means for supporting said check strap comprising a bracket including a body adapted to be supported on said lay and having a rear surface thereon, at least one end of said body having at least three substantially vertically spaced ears projecting outwardly therefrom, said ears at least partially projecting rearwardly of the rear surface of said body, said ears having axially alined holes therethrough for receiving a pin therein, and said ears being adapted to receive said loop portions therebetween.

12. In a loom having a lay and an oscillating picker stick, a picker stick check comprising a hanger carried by the lay, a support having a body adjustably secured to said hanger, and a check strap provided with a loop on each end portion thereof; the combination therewith of means pivotally connecting opposed end portions of said check strap to the support, said means comprising at least a pair of upper and lower ears projecting from and integral with each end of said body, at least one intermediate ear spaced between each pair of ears and projecting from said body, a pin extending between and carried by said ears at each end of said body, said loops on the strap each being separated into at least two loop sections fitting between the respective upper and lower ears and the respective intermediate ear, and said loop sections substantially encircling the respective pins.

13. A check strap support for the picker stick check of a loom, wherein said check strap has a loop portion on each end thereof; said support comprising a rigid body having opposed front and rear faces, at least two spaced ears projecting outwardly from each end of said body and having axially alined holes therethrough adapted for receiving a pin therein, and the ears on at least one end of said body at least partially projecting rearwardly of said rear face and being adapted to receive said loop portion therebetween.

14. A check strap support according to claim 13 wherein said holes are located at least partially rearwardly of said rear face.

15. A check strap support for the picker stick check of a loom wherein said check strap has a loop on at least one end thereof and said loop is separated into at least two loop sections; said support comprising a rigid body having opposed front and rear faces, at least three substantially parallel, spaced ears projecting outwardly from at least one end of said support, at least two of said ears having axially alined holes therethrough adapted for receiving a pin therein, and said ears being adapted to receive said separated loop sections therebetween.

16. A check strap support according to claim 15 wherein said ears at least partially project rearwardly of said rear face.

17. A check strap support according to claim 16 wherein said holes are located at least partially rearwardly of said rear face.

18. A loom check strap adapted to be mounted on a check strap support having at least three vertically spaced ears on at least one end thereof, and pin means carried by and extending between said ears; said check strap comprising a pliable strap member having a loop on at least one end thereof, and said loop being separated into at least two loop sections adapted to fit astraddle the centermost of said ears and to substantially encircle said pin means.

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