Feb. 11, 1930. T. R. ROBERTS 1,746,742

SAFETY BELT

Filed Aug. 23, 1928

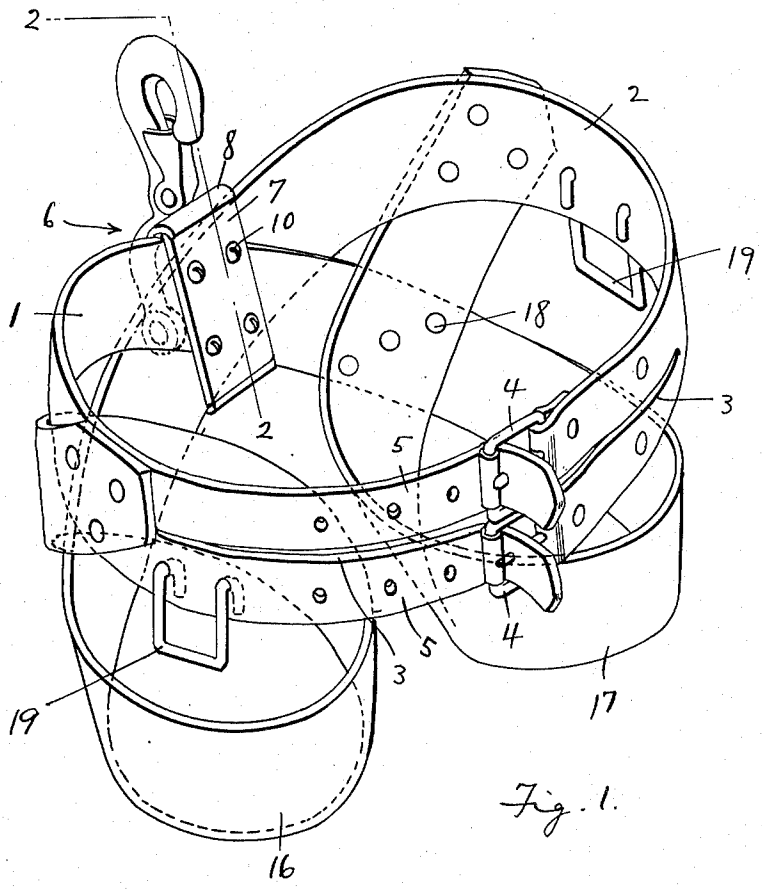


Fig. 1.

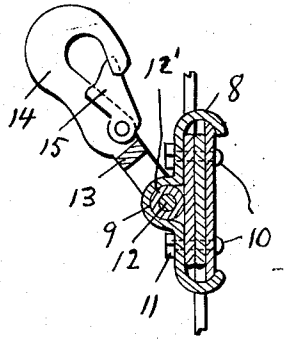


Fig. 2.

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UNITED STATES PATENT OFFICE

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SAFETY BELT

Application filed August 23, 1928. Serial No. 301,470.

This invention pertains to improvements in safety belts particularly adapted for use by tree surgeons, pole climbers and for persons engaged in similar occupations.

The prime object of the invention is to provide means whereby the user will be safeguarded from fall without in any manner handicapping the free use of his body.

Another important object of the invention resides in the provision of a safety belt which can be quickly and conveniently applied to the body.

Still another object of the invention is to provide a belt of the above character of such construction as to permit its safe usage over a long period, and which furthermore includes means whereby certain portions of the belt may be disassembled for the purpose of repair or replacement.

After considering the following specification and claim other important objects and advantages of the invention will become apparent.

In the drawings:

Figure 1 represents a perspective view of the improved belt, and

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

Referring to the drawings wherein like numerals designate like parts, the device includes a pair of straps 1 and 2 respectively. The straps are bifurcated at one of their ends, as designated by numeral 3.

The bifurcated end of the strap 2 at the end of its furcation is equipped with buckles 4—4 adapted for receiving the perforated furcation 5—5 of the strap 1.

The straps 1 and 2 intersect each other at the point generally referred to by numeral 6. To the inner side of the strap 1 at this point, a vertically disposed plate 7 is arranged, while an elongated plate 8 is vertically disposed at the outer side of the strap 2 and has its end portions clinched over the edges of the plate 7.

The intermediate portion of the plate 8 is bulged, as at 9. Bolt members 10 are arranged through the plates 7 and 8 respectively and the intersecting portions of the straps 1 and 2 respectively for securing these elements together.

The bolts are provided with nut members 11 at the outer side of the plate 8. A pivot pin 12 is journaled through a bushing 12′ fixed within the bulged portion of the plate 8. The ends of the pin are journaled to the extremities of a yoke 13.

A hook member 14 projects from the yoke 13 and is provided with a safety catch 15. The end portions of the respective straps 1 and 2 are disposed in a manner to provide leg receiving loops 16 and 17 respectively, the straps being secured to themselves by fastening means 18 in forming the loops 16 and 17 respectively.

The ends of the strap are disposed upwardly and are secured to the overlying portion of the complementary strap in a manner clearly shown in Figure 1.

U-shaped members 19—19 are secured to the straps 1 and 2 respectively and formed inwardly from their bifurcated edge, for the obvious purpose of receiving the strap and permitting the attachment of tool carriers and the like thereto.

It is to be understood that the various elements constituting the present invention may be constructed of any material and such changes in the specific shape and size thereof as may become necessary may be resorted to without departing from the spirit of the invention or the scope of the appended claim.

Having thus described my invention, what I claim as new is:

A belt of the character described comprising a pair of straps, said straps being connected together at their intermediacies in intersecting relation, one end of each strap being bifurcated longitudinally, the furcations of one strap end being provided with longitudinally spaced openings, while the furcations of the complementary strap are provided with buckles, loops provided at the the remaining ends of the straps and said remaining ends of the straps being also connected to the overlying portion of corresponding complementary straps.

In testimony whereof I affix my signature.

TOM R. ROBERTS.