

March 7, 1939.

F. J. WIGHT

2,149,803

SAFETY BELT

Filed Sept. 30, 1938

3 Sheets-Sheet 1

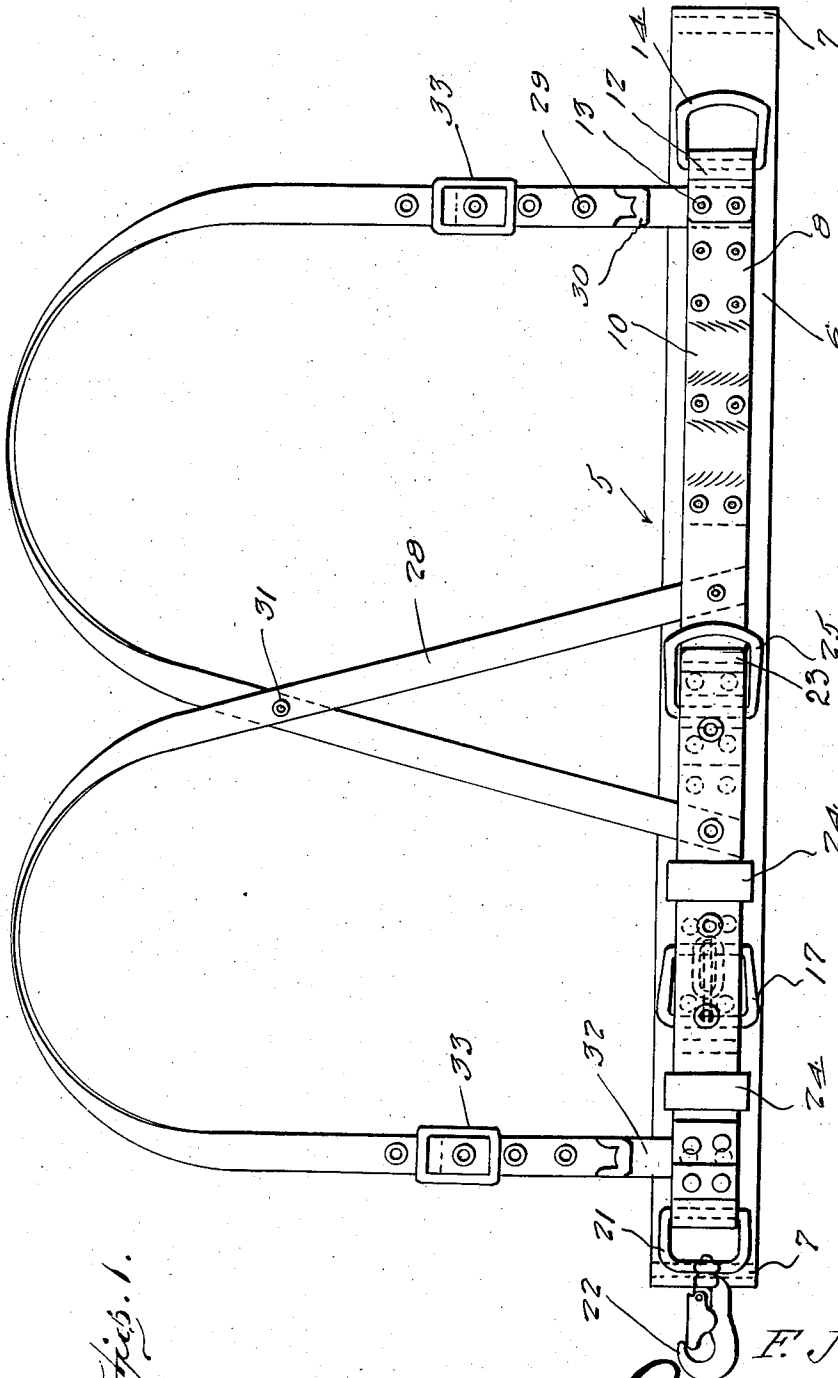


Fig. 1.

Inventor

By *F. J. Wight*
Clarence A. O'Brien
and Hyman Berman
Attorneys

March 7, 1939.

F. J. WIGHT

2,149,803

SAFETY BELT

Filed Sept. 30, 1938

3 Sheets-Sheet 2

Fig. 2.

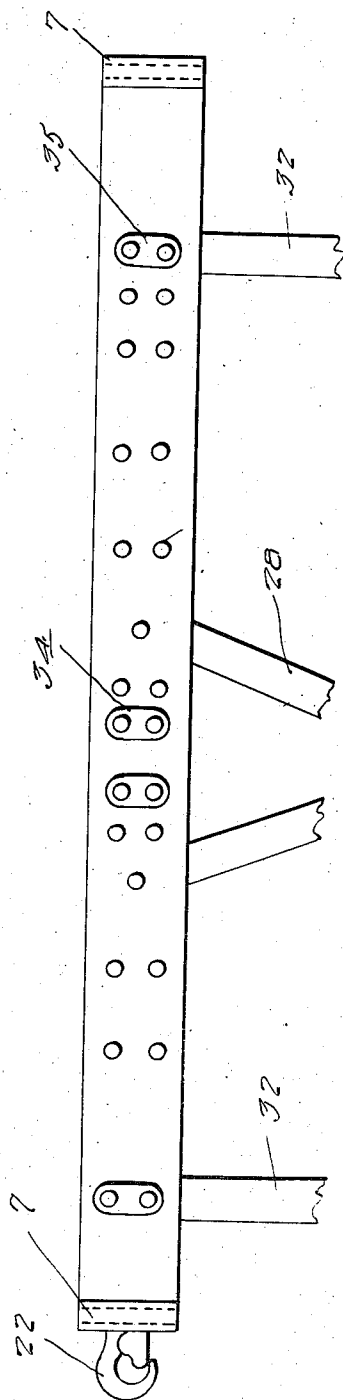
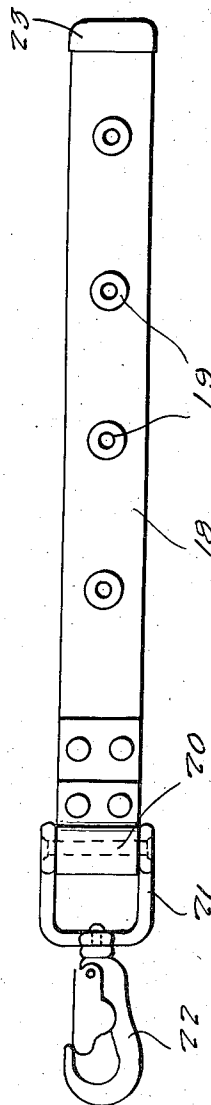


Fig. 5.



Inventor

F. J. Wight

By

Clarence A. O'Brien
and Hyman Berman
Attorneys

March 7, 1939.

F. J. WIGHT

2,149,803

SAFETY BELT

Filed Sept. 30, 1938

3 Sheets-Sheet 3

Fig. 3.

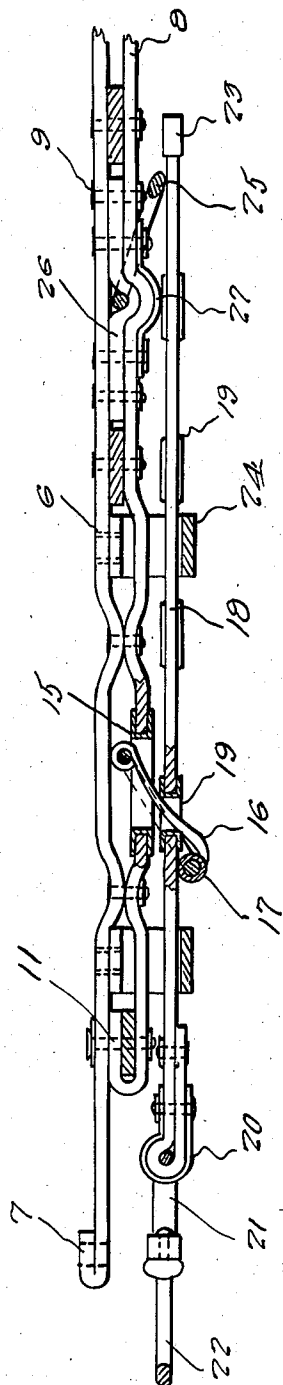
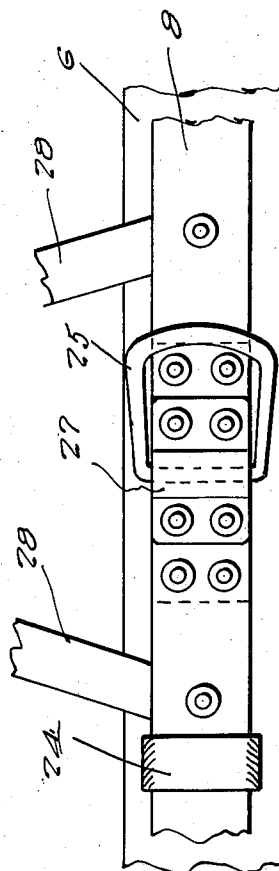


Fig. 4.



Inventor

F. J. Wight

By *Clarence A. O'Brien*
and Hyman Berman
Attorneys

UNITED STATES PATENT OFFICE

2,149,803

SAFETY BELT

Francis J. Wight, Springfield, Ohio

Application September 30, 1938, Serial No. 232,694

3 Claims. (Cl. 227-49)

This invention relates to safety belts and has for the primary object, the provision of a device of this character which is constructed to withstand a maximum load without danger of breaking or slipping of the load such as a person's body, which is easy and quick to apply and remove from the body and may be readily adjusted to fit bodies of different sizes.

With these and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings in which:

Figure 1 is a plan view illustrating the safety belt in an open position and constructed in accordance with my invention.

Figure 2 is a fragmentary plan view showing the waist encircling strip or strap of the belt.

Figure 3 is a fragmentary longitudinal sectional view showing the waist encircling strip or strap.

Figure 4 is a fragmentary plan view showing a ring and means of securing said ring on the waist strap.

Figure 5 is a plan view illustrating a waist adjusting strap.

Referring in detail to the drawings, the numeral 5 indicates a waist encircling belt composed of a strap or strip 6 constructed of webbing or any other material suitable for the purpose and which has its ends bent upon itself and stitched as shown at 7 to prevent fraying.

The belt 5 is further composed of a reinforcing strip 8 slightly shorter and narrower than the strip 6 and is riveted thereto as shown at 9. In riveting the strip 8 onto the strip 6 portions of the strip 8 are left free or spaceable from the strip 6 to form tool pockets or loops 10 at one side of the belt 5. One end of the strip 8 is bent upon itself and riveted onto the strip 6, this arrangement being clearly indicated by the character 11 in Figure 3. The other end of the strip 8 has a metal binder 12 secured thereon by rivets 13 which also pass through the strip 6. The metal binder 12 forms a mounting for a ring 14 at one end of the strip 8 and positioned inwardly of one end of the strip 6.

One of the free portions of the strip 8 is provided with an opening in which is mounted a metallic eyelet 15 through which a tongue 16 of a buckle 17 may extend. The buckle is employed for fastening onto the belt a belt adjust-

ing strap 18 having an eyelet 19 through which the tongue 16 of the buckle 17 may be passed for removably securing the strap 18 on the belt 5. A metal binder 20 is riveted on one end of the strap 18 and forms a mounting for a ring 21 to which is swivelled a snap hook 22. The snap hook 22 is engageable with the ring 14 for detachably securing the belt 5 about the body of a person. It is to be understood that the strap 18 has a series of eyelets 19 as clearly shown in Figure 5, any one of which may receive the tongue 16 of the buckle and which permits the strap to be readily adjusted on the belt for the purpose of adjusting the belt tightly about bodies of different sizes. When the belt 5 is placed on the body, the strip 6 is arranged next to the body and the snap hook engages the ring 14 in front of the body. One end of the strap 18 has a metal binder 23 to prevent fraying. The strap 18 during the use of the belt receives most of the wear. Consequently, when worn, it may be readily removed and another strap of similar construction substituted therefor, and in this way recondition the belt for further safe use.

Loops 24 are suitably secured on the strip 6 and have the strip 8 extending therethrough and also the strap 18 and are preferably positioned at opposite sides of the buckle 17 as clearly shown in Figure 3.

A line or safety ring 25 is mounted on the belt 5 preferably intermediate the ends thereof so as to be arranged at the back of the wearer and is secured on the strip 6 by an auxiliary strip 26 secured to the strip 6 by certain of the rivets heretofore mentioned and passing through the ring 25. The strip 8 also fastens to the ring 25 and is secured onto the strip 6 and the auxiliary strip 26 at opposite sides of the ring. To further strengthen the construction just described, a metallic reinforcing plate 27 is engaged with the strip 8 and is secured thereon by the rivets employed for joining the strips 6, 8 and 26, as heretofore mentioned.

Certain of the rivets at opposite sides of the ring 25 are secured to the belt by shoulder straps 28 each having a series of eyelets 29 and provided with metal binders 30 at the free end thereof. The shoulder straps cross each other and are riveted together as shown at 31. It is preferable that the shoulder straps be riveted together where they cross to bring the crossing of the shoulder straps between the shoulders of the wearer and adjacent the neck to obviate any possibility of the shoulder straps slipping off of the shoulders of the wearer.

Short shoulder straps 32 are secured on the belt 5 adjacent the ends of the strip 6 by certain of the rivets heretofore referred to and are provided with buckles 33 to receive the shoulder straps 28 whereby the latter may be adjusted to support the belt 5 properly on the body of the person.

By referring to Figure 3 it will be seen that in securing the shoulder straps 28 and 32 to the belt, said shoulder straps are positioned between the strips 6 and 8 with certain of the rivets passing therethrough.

Arranged on the inner face and preferably substantially intermediate the ends of the strip 6 are metallic reinforcing plates 34 held thereon by certain of the rivets. Also reinforcing plates 35 may be arranged on the strip 6 opposite the short shoulder straps 32 and be retained thereon by the rivets employed in securing the straps 32 on the belt.

It is believed that the foregoing description, when taken in connection with the drawings, will fully set forth the construction and advantages of this invention to those skilled in the art to which such a device relates, so that further detailed description will not be required.

Having thus described my invention, what I claim is:

1. A safety belt comprising a waist encircling strip, a second strip mounted on the first strip and having portions free thereof to provide tool receiving loops, a ring secured to one end of the second strip, a buckle secured on the first and second named strips, a strap adjustably connected on the second strip by said buckle, a snap fastener carried by the strap to engage with the

ring for connecting the strips about the waist of a person, and adjustable shoulder straps connected to the first and second named strips.

2. A safety belt comprising a waist encircling strip, a second strip mounted on the first strip and having portions free thereof to provide tool receiving loops, a ring secured to one end of the second strip, a buckle secured on the first and second named strips, a strap adjustably connected on the second strip by said buckle, a snap fastener carried by the strap to engage with the ring for connecting the strips about the waist of a person, and adjustable shoulder straps connected to the first and second named strips, a rope ring secured between the first and second named strips, a reinforcing plate secured on said strips and passing through the ring, and loops secured to the first and second named strips with the second named strip and strap passing therethrough and located at opposite sides of the buckle.

3. A safety belt comprising a waist encircling strip, a second strip mounted on the first strip and of a shorter length and narrower in width than the first named strip, means for securing the second strip onto the first strip at spaced intervals, a ring secured to one end of the second strip and positioned inwardly of one end of the first strip, adjustable shoulder straps connected with the first and second strips, a buckle connected onto the first strip by the second strip, a strap adjustably connected onto the second strip by said buckle, a snap fastener swivelly connected to one end of the strap and engageable with the ring.

FRANCIS J. WIGHT.