May 18, 1926.

1,584,753

W. X. YORK ET AL

BODY BELT

Filed Oct. 4, 1922

2 Sheets-Sheet 1

Fig. 1.

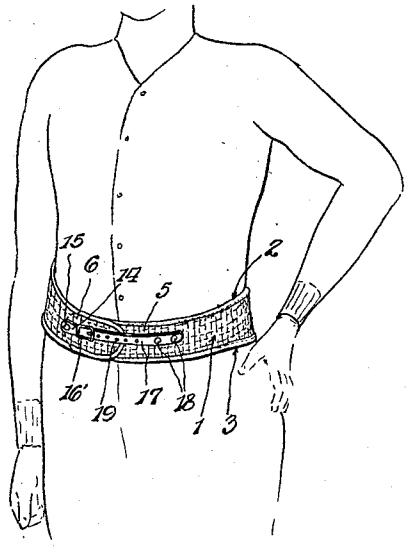
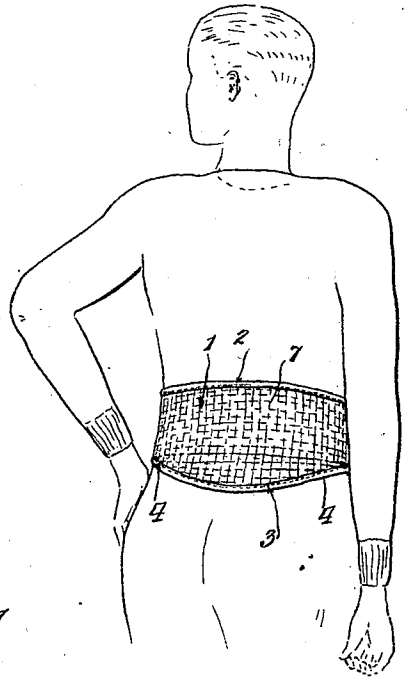


Fig. 2.



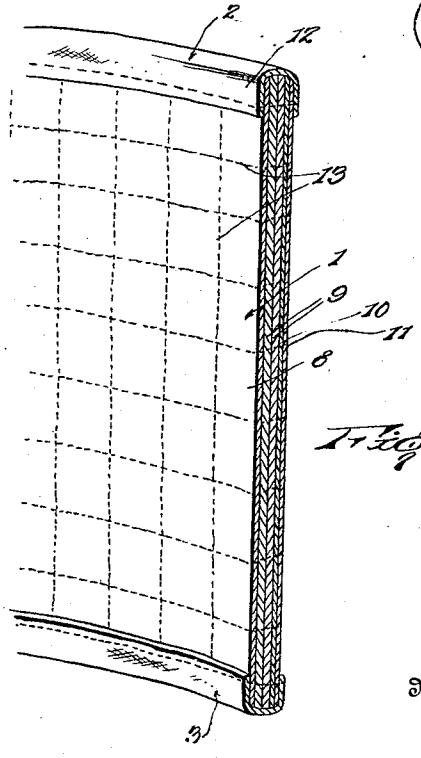


Fig. 3.

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2 Sheets-Sheet 2.

Fig. 4.

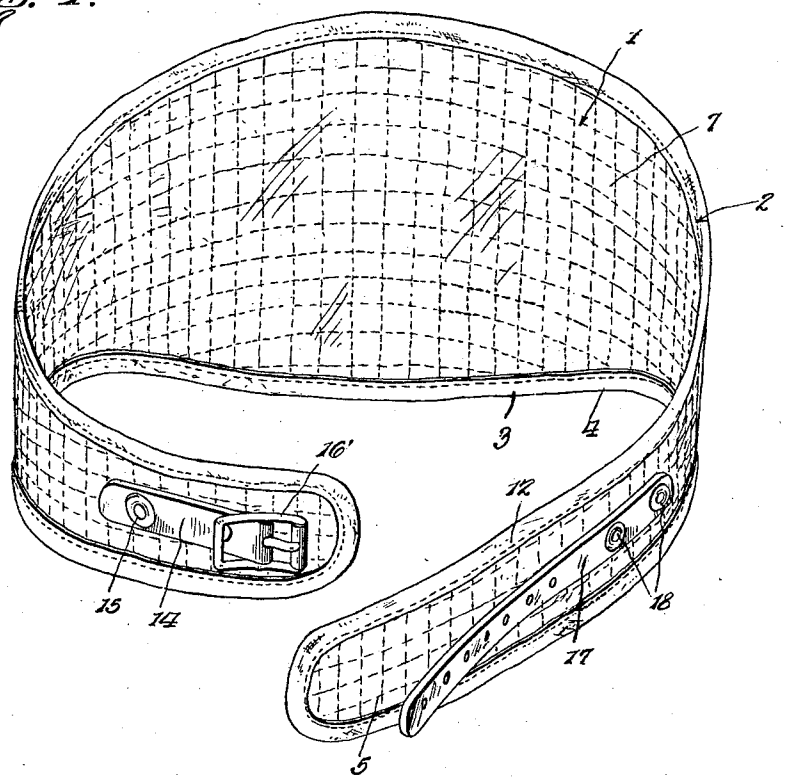
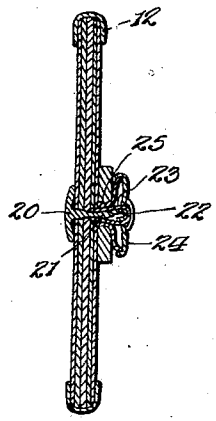


Fig. 5.



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UNITED STATES PATENT OFFICE.

WILLIAM X. YORK AND MINNIE B. YORK, OF CLINTON, INDIANA.

BODY BELT.

Application filed October 4, 1922. Serial No. 592,260.

This invention relates to body belts and is designed more especially as a belt for wear by miners and others who, by reason of the tasks they perform, are required to strenuously exercise the muscles of the back.

One of the primary objects of the invention is to provide a belt which will support the muscles of the back and to a great extent relieve them of the strains incident to hard manual labor and particularly where the wearer is required to frequently stoop and lift heavy objects.

Another object of the invention is to so construct the belt that the same will to a greater or less extent absorb perspiration and in a manner to prevent the wearer catching cold if exposed to a draft.

Another object of the invention is to provide means for closing the belt about the body and attached thereto in such manner as to be readily separable therefrom to permit of laundering of the belt.

In the accompanying drawings:

Figure 1 is a perspective view looking at the front of the belt applied;

Fig. 2 is a similar view looking at the back of the belt;

Fig. 3 is a detail vertical sectional view through the back of the belt illustrating the arrangement of the plies comprising the web of the belt;

Fig. 4 is a perspective view of the belt removed;

Fig. 5 is a detail vertical sectional view taken on a line passing diametrically through one of the attaching buttons.

The belt comprises a body or web which is indicated in general by the numeral 1, and the said web is preferably somewhat higher at the back than at the front, the upper edge of the web, indicated by the numeral 2, being substantially of right line extent, and the lower edge, indicated by the numeral 3, being curved upwardly from a point substantially midway between the ends of the web, the upward curve being more pronounced at the ends of the back portion of the belt, as indicated by the numeral 4. From this point the lower edge of the web is nearly parallel to the upper edge, and this formation provides front portions 5 and 6 which are of less height than the back portion of the web, which said back portion is indicated by the numeral 7.

The web is preferably made up of a number of plies which are indicated by the numerals 8, 9, 10 and 11, the plies 8, 10 and 11 being preferably of duck or some other heavy and strong cloth, and the plies 9 being preferably of flannel or some other kind of cloth which will readily absorb moisture. The plies 8 and 11 are facing plies, the ply 8 being located at the inner side of the belt, or in other words the side which is arranged next to the body of the wearer, and the ply 11 being the ply which is disposed outermost when the belt is applied. The plies 9 are arranged next to the ply 8, and the ply 10 is arranged between the plies 9 and the ply 11. In manufacturing the belt the several plies are cut to the required marginal contour and dimensions and are disposed face to face and bound along their margins by a binding strip 12, which preferably extends continuously along the said margins. The plies are further united by quilting stitches 13 and it will be understood that by quilting the web of the belt, wrinkling or other distortion of the plies is prevented and the web is maintained in a substantially smooth form under all conditions of use.

As illustrated in Figs. 1 and 2 of the drawings, the belt is to be applied about the trunk with the ends 5 and 6 arranged in overlapped relation, and in order that the belt may be snugly drawn and held in place, a relatively short strap 14 is secured to the flap 6 preferably by means of a detachable button of the type ordinarily known as bachelor's buttons, and indicated by the numeral 15, and this strap is looped about the cross bar of an ordinary buckle indicated by the numeral 16′. A longer strap 17 is separably connected preferably by means of separable buttons 18, to the flap 5 of the belt and is provided with the usual series of openings 19 adapting it for adjustable engagement with the buckle 16′. While the buttons 15 and 18 are of an ordinary construction, it is deemed advisable to briefly describe the same in order that the purpose of employing such buttons may be readily understood. By reference to Fig. 5 of the drawings it will be observed that each button comprises a back 20 having a headed stud 21 projecting therefrom and pointed at its head end, as at 22, to adapt it to pierce

the web of the belt. The stud 21 is insertible in a clamping socket 23 provided in a head 24, and in assembling the parts the stud 21 is inserted through the web of the belt with the back 20 contacting the inner side of the web, after which the stud is inserted through an opening 25 provided in the respective strap 14 or 17 as the case may be, and the head 24 of the button is then forced onto the stud, thus locking the two parts of the button together and separably connecting the respective strap with the web of the belt. Inasmuch as the studs 21 are pointed and adapted to pierce the web of the belt, the buttons may be arranged upon the flaps of the belt at any desired points and therefore the web of the belt may be made of a standard size and the straps readily applied thereto by anyone and secured at points adapting the belt to fit the purchaser. Inasmuch as the button parts may be readily separated, the straps may be readily detached from the web of the belt whenever it is desired to launder the latter.

Having thus described the invention, what is claimed as new is:

A body belt comprising a flexible body portion formed of washable material and having free end portions, straps extending longitudinally of the end portions of said body and adapted to be adjustably connected one with the other to tighten the belt about the wearer, and removable fasteners releasably securing said straps to said body and each including an inner section engaging the inner face of the body and having a penetrating prong passed outwardly through the body and strap to be secured, and an outer section engaging the outer face of the strap and releasably connected with the outer end portion of said prong whereby said fasteners and straps may be removed when the body portion is washed.

In testimony whereof we affix our signatures.

WILLIAM X. YORK. [L. S.]
MINNIE B. YORY. [L. S.]