March 4, 1930. S. N. SAGER 1,749,231

PULL-OFF LEGGING

Filed Jan. 3, 1928

Fig. 1.

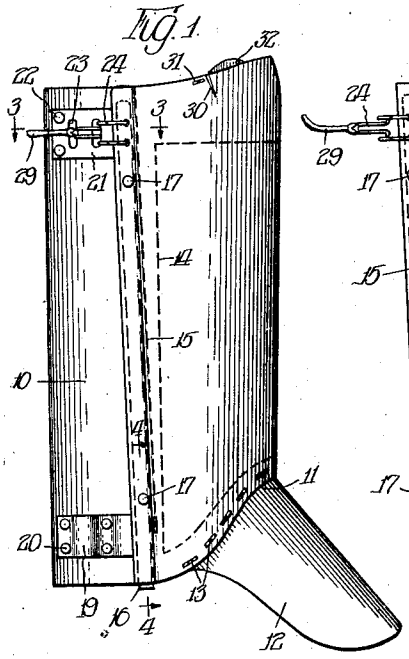


Fig. 2.

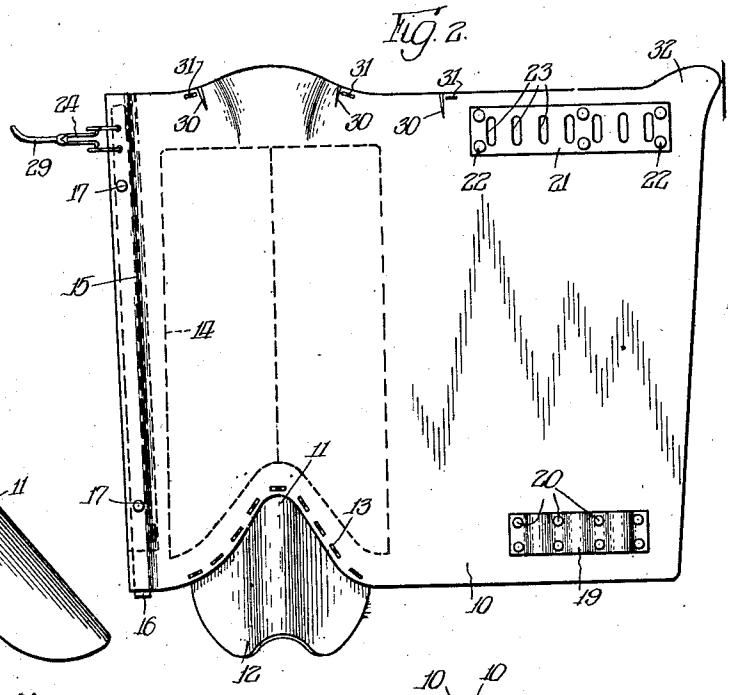


Fig. 3.

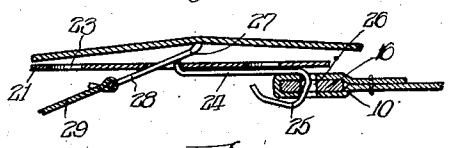


Fig. 4.

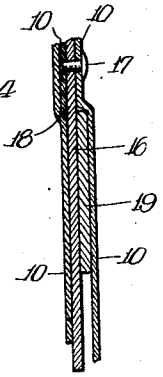


Fig. 5.

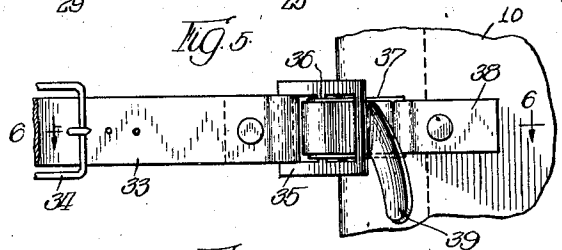


Fig. 6.

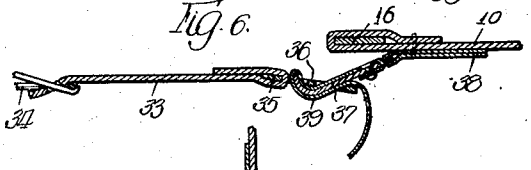


Fig. 7.

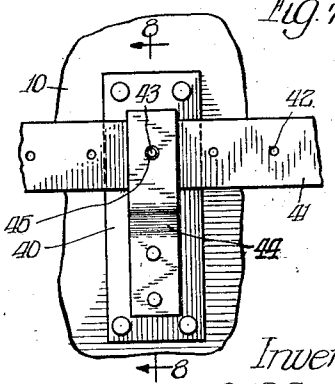
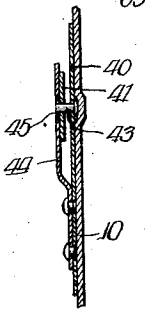


Fig. 8.



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UNITED STATES PATENT OFFICE

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PULL-OFF LEGGING

Application filed January 3, 1928. Serial No. 244,139.

This invention relates in general to a legging which may be quickly removed, and has more particular reference to a pull-off legging for use by workmen in foundries, machine shops, and the like.

One of the principal objects of the invention is in the provision of a pull-off legging which may be quickly removed with a single action, independent of a double adjustment, at the top and bottom for varying the size of the legging.

A further object of the invention is in the provision of an overlying legging of this type which has improved means for applying it to the leg of a wearer.

A still further object of the invention is in the provision of improved fastening means for the upper end of the legging which may be easily grasped by the hand of a wearer, the fastening released and the legging entirely removed by a single upward pull of the wearer.

Other objects will appear hereinafter, the drawing illustrating a preferred form of the invention, and modifications of the fastening means.

In the drawing;

Figure 1 is a side elevation of a legging constructed in accordance with the principles of this invention and arranged in position as it would be applied to the leg of a wearer;

Figure 2 is a view of the legging in extended or open position;

Figure 3 is a sectional view of the top fastener taken on the line 3—3 of Figure 1;

Figure 4 is a section taken on the line 4—4 of Figure 1;

Figure 5 is an elevation of a modified form of top fastener;

Figure 6 is a sectional view taken on the line 6—6 of Figure 5;

Figure 7 illustrates another modification; and

Figure 8 is a section taken on the line 8—8 of Figure 7.

In foundries, machine shops, and the like where there is molten metal or flying sparks, it some times happens that a fragment of the metal will strike the clothes of a workman or engage in the folds of his garments, particularly his leggings if they afford an opportunity for the lodgment of such particles, and unless they are removed they will burn not only through the legging or clothing of the wearer but also may seriously burn his body.

Improperly fitted leggings are very apt to catch sparks or burning particles, and the present invention is designed and intended to provide an overlapping type of legging in which the least opportunity is afforded for lodgment of burning particles, and a further safeguard is afforded in having the legging provided at top and bottom with a fastening which is adjustable for varying the size of the legging both at the top and bottom, but also is quickly removable by simply pulling upwardly on the top fastening.

Referring more particularly to the drawing, the body of the legging is formed of a single piece 10 of material such as leather having a recess 11 in the lower edge at one side thereof to fit over the instep and with a covering vamp or extension 12 secured to the edge of the opening by stitching or wire staples 13. The interior of the legging above the recess 11 is provided with a stiffener such as oiled fiber secured to the body of the legging by stitching 14 extending through the canvas lining at the back of the stiffener and enclosing it.

One end of the body 10 is turned back and secured to itself by stitching 15, forming a hem or recess for containing a metal bar and stiffening strip 16 secured in the hem and to the body by one or more rivets 17. The lower end of the hem is cut off at 18 above the lower end of the bar 16 so that it is covered only by the outer portion of the body 10, leaving the lower extremity of the bar free for insertion in any one of the pockets formed by a strip 19 attached to the body portion at intervals by rivets 20 and forming means for adjusting the size of the legging at the bottom.

At the top the size of the legging is adjustable by means of a plate 21 of metal, or the like, attached to the body 10 by fastening means 22 and having a number of spaced ad-

justment openings 23, any one of which is adapted to be engaged by a fastening device 24 secured to the opposite edge of the legging. This fastening device 24 is preferably in the form of a bent wire clip having ends 25 hooked through an opening 26 in the metal stiffening bar 16 and through corresponding openings in the body 10, as more clearly shown in Figure 3.

This wire clip is bent upon itself to form one or more tongues 27 adapted to engage in any one of the openings 23 of the plate 21 when the legging is wrapped about the leg of a wearer, the free end 28 extending outside of the plate 21 and having an engaging string or strap 29 of leather or similar material attached to the extremity 28 for easily engaging and pulling the clip 24 from engagement with the plate 21.

At the upper edge of the body are slits 30 extending downwardly from the top a short distance, the separated portions thus made being overlapped and secured by a wire staple 31 to partially shape or draw in the top of the legging so that it will fit the leg closely at the upper edge and prevent heated particles from passing within the legging at the top.

As an aid in applying the legging, the top of one end of the body is provided with a projection or tab 32 which is on the underlying portion and projects above the top of the overlying portion where it may be easily grasped by one hand of the wearer in applying the legging to the leg in overlapping relation.

In applying the legging it is wrapped around the leg with the overlapping portions at the outer side, one hand grasping the tab 32 and the other the stay 16 in smoothly overlapping the parts, the lower end of the bar 16 being inserted in one of the pockets of the strip 19 and the tab within being adjusted so that the fastening clip 24 will engage in the proper opening 23 of the fastening plate 21. To quickly disengage the legging a single action is necessary; the wearer reaches down with one hand and grasps the fastening clip 24 or the strap 29 attached thereto and with a single upward jerk or pull disengages the fastening clip from the metal plate 21, and by continuing this movement also bodily raises the legging and disengages the lower end of the strip 16 from the bottom fastening pockets formed by the strip 19.

Instead of the fastening clip 24, a strap 33 may be adjustably attached to one portion of the legging by means of a buckle 34 carrying at its outer end an engaging member 35 having a cross piece 36. The other end of the legging has a hook member 37 secured to it by a strap 38, and this hook is adapted to engage the cross piece 36 of the member 35, holding the legging together. Attached to the hook member 37 and extending entirely over the hook shaped end of it is a strap 39, the outer end of which is free and hangs loosely from the engaging member 35 when the parts are connected, as shown in Figures 5 and 6. A pull upon the free end of this strap 39 pulls the hook 37 free from engagement with the cross piece 36, thereby disengaging the fastening. A further modification of the upper fastening means is shown in Figures 7 and 8, comprising a plate 40 attached to one of the legging parts, and a strap 41 with perforations 42 attached to the opposite part of the legging. A pin 43 projects outwardly from the plate 40 and is adapted to engage in any one of the perforations 42 in the strap for holding the legging adjustably in closed position. A spring plate 44 extends the strap and has an opening 45 for loosely receiving the outer end of the pin 43 so that the strap is yieldingly held in engagement with the pin by the spring plate 44. In order to disengage this strap 41, the free end is pulled outwardly, springing the plate 44 outwardly and disengaging the strap from the pin 43.

In all of these fasteners it is obvious that a single pull will suffice not only to disengage the fastener itself but also to disengage the entire legging, for the lower end of the stay 16 is raised from its engagement by the disengaging action of the top fastening.

Even though a spark or hot particle does burn through the legging or become lodged behind it a single quick pull will release the legging and positively remove it, thereby dislodging any foreign particles that may be held in place by the legging.

I claim:

1. A legging which overlaps at the edges, comprising means for securing the edges together in overlapping relation, and a tab at the top of the underlying edge which projects beyond the top of the overlying edge to provide finger engageable means for drawing the legging about the leg and holding it in overlapping relation in applying the legging.

2. A legging having overlapping edges with a finger engageable tab projecting from the under edge above the top of the overlying portion to hold the parts in overlapping relation in applying the legging, and size-adjusting fastenings at the top and the bottom quickly and manually releasable by a movement in one direction in removing the legging from a wearer.

3. A pull-off legging of the class described wrapped about the leg in overlapping relation at the outer side thereof, a stay in one edge of the legging, a plurality of pockets in the opposite edge of the legging adapted to be engaged by the lower end of the stay, and quick detachable fastening means at the top comprising a spring tongue attached to the stay, and a plate attached to the opposite

edge of the legging having a number of perforations adapted to be engaged by the spring tongue, the tongue having a manually engageable outer projection for disengaging it and removing the legging by a single continuous movement thereof.

4. In a pull-off legging of the overlapping type, a bottom fastening adapted to be released by raising the overlapping portion from the underlying portion, and a quick detachable top fastening comprising a hook member attached to the overlying edge of the legging having an inwardly projecting tongue and a metal strip attached to the other portion of the legging with a number of spaced perforations adapted to be engaged by the tongue, the hook member having manually engageable means for quickly withdrawing it from engagement with the plate, a continued movement in the same direction bodily supporting the legging and disengaging the bottom fastening so that the entire legging is removed.

5. A pull-off legging overlapping at the opposite edges to fit the leg of the wearer, a stay at the outer edge of the legging having a lower extremity free from the body of the legging, means comprising a plurality of pockets for engaging the lower end of the stay, a plate having a number of spaced perforations attached to the upper underlying edge of the legging, and a quick detachable fastening member attached to the upper edge of the legging to the stay having a projecting tongue adapted to engage in any one of the perforations of the plate, and hand engageable means in connection with the fastening member for disengaging the tongue from the plate and quickly removing the legging by a single movement.

6. In a pull-off legging of the class described, a body portion formed at the top with slits stitched together to make this portion form fitting and with a projecting applying tab at one edge, a stiffening stay in the overlying edge of the body, means comprising pockets for engaging the lower end of the stay, a plate having spaced perforations attached at the upper end of the body, and a wire clip attached to the upper end of the stay having inwardly projecting tongues for engaging any one of the perforations of the plate for adjustably securing the upper end of the legging and having an outwardly projecting portion for manually disengaging the tongues from the perforations of the plate and thereafter removing the legging by a continued manual movement of the projecting portion.

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