R. S. CLAWSON.

PICKING HARNESS.

APPLICATION FILED APR. 10, 1915.

Patented Apr. 11, 1916.

1,178,628.

FIG. 1

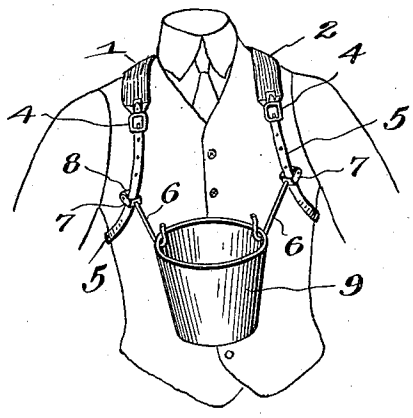


FIG. 2

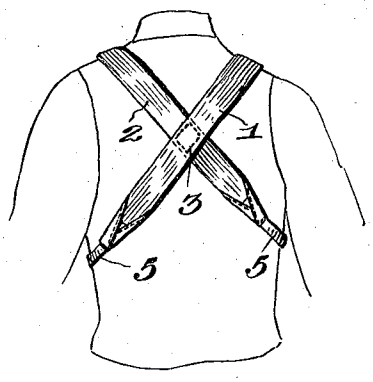


FIG. 3

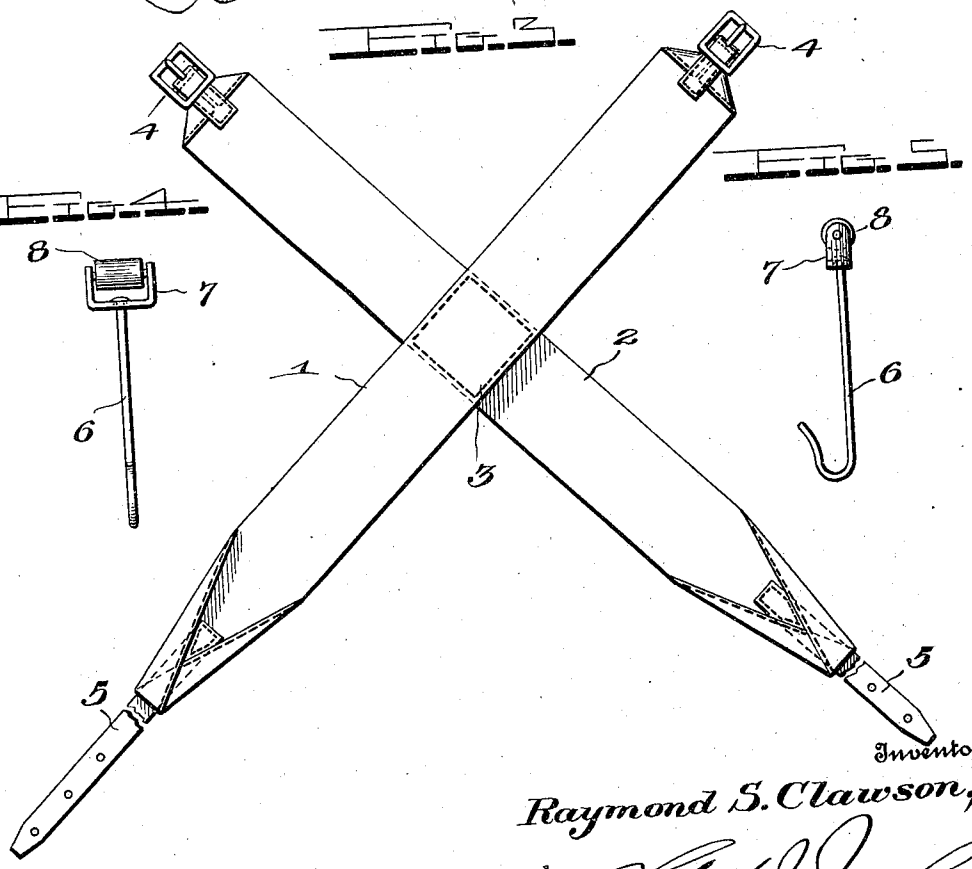


FIG. 4

FIG. 5

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PICKING-HARNESS.

1,178,628. Specification of Letters Patent. **Patented Apr. 11, 1916.**

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To all whom it may concern:

Be it known that I, RAYMOND S. CLAWSON, a citizen of the United States of America, residing at Lambertville, in the county of Hunterdon and State of New Jersey, have invented certain new and useful Improvements in Picking-Harness, of which the following is a specification.

This invention relates to new and useful improvements in picking harness and more particularly to a harness or apparatus for holding a receptacle in position on the body during the pruning operation, and the primary object of the invention resides in providing an improved means for retaining the receptacle in various adjusted positions on the harness.

A further object of the invention resides in providing shoulder straps with movable members in connection therewith retained in adjusted positions through friction, such movable members being designed to engage a receptacle.

Still another object of the invention resides in providing hook members, the inner ends of which are connected with brackets carrying shoulders which operate on the shoulder straps of the harness, the friction between the body and the straps retaining the rollers and correspondingly the hooks in any adjusted position.

A still further object resides in providing an apparatus which is simple and durable in construction, inexpensive to manufacture and one which will be very efficient and useful in operation.

With these and other objects in view my invention consists in the novel features of construction, combination and arrangement of parts as will be hereinafter referred to and more particularly pointed out in the specification and claims.

In the accompanying drawings forming a part of this application, Figure 1 is a perspective view of an apparatus constructed in accordance with my invention and applied to use, the front of the body being disclosed; Fig. 2 is a similar view showing the rear portion of the harness, the back of the body being disclosed; Fig. 3 is an enlarged plan view of the harness proper, and Figs. 4 and 5 are front and side elevations respectively of one of the hook members removed.

In describing the invention, I shall refer to the drawing, in which similar reference characters designate corresponding parts throughout the several views, and in which—

1 and 2 designate straps formed of webbing or any preferred material, either yielding or non-yielding as desired, the same being crossed and stitched or otherwise secured together as designated at 3. At the one ends of said straps are secured the buckles 4 while at the opposite ends thereof are secured the leather straps 5 which are adapted to be engaged with said buckles when this apparatus, which may be termed a body harness, is applied. In the application of this harness to use, the same is applied to the back of the body as shown in Fig. 2 of the drawing, so that the buckle ends are drawn over the shoulders while the strap ends are drawn under the arms, as shown in Figs. 1 and 2, the latter being engaged, as clearly shown in Fig. 1, with the buckles.

My invention primarily contemplates the provision of a body harness which is designed to adjustably support a receptacle for containing articles pruned from trees or vines. The essential feature of the invention involves the manner of adjustably supporting the receptacle on the harness and to this end I provide a pair of hook members 6, the inner ends of which are swiveled or otherwise similarly engaged with U-shaped brackets 7, and rotatably supported between the arms of the latter are rollers 8. In applying the harness to the body, the straps 5 are disposed through the space between the bases of the brackets 7 and the rollers 8 so that when said harness is properly secured on the body, the rollers will be frictionally held against the body of the wearer under pressure of said straps 5. A receptacle 9 which is provided for receiving the articles pruned has openings at diametrically opposite points thereon adjacent the upper edge thereof to receive the hooked ends of said members 6 therethrough, as clearly shown in Fig. 1 of the drawings.

It will be seen that the bucket or receptacle 9 held in place by the hooks 6 will be retained in position against the body by the fact that the rollers carried by the hook members are frictionally held against the body under pressure of the straps 5. However, these hooks may be readily moved upwardly and downwardly on the straps 5 in view of the roller connections and in view of the frictional engagement above referred

to, said rollers and correspondingly the hooks carrying the bucket, will be retained in any adjusted position. The ready movement upwardly and downwardly of the hook members carrying the receptacle is obviously an advantage as it is often desired to change the position of the receptacle during the pruning operation, according to the desires of the operator or the position of the vines or trees from which the articles are being severed. In view of the particular construction shown and described, the movement of the hooks upwardly and downwardly may be readily effected by action of the arms of the wearer. The operation is a simple one and the retention of the bucket in any adjusted position by such slight movement provides a device of superior advantages, filling a great need in this art.

From the foregoing description of the construction of my improved device, the operation thereof and the manner of applying the same to use will be readily understood and it will be seen that I have provided a simple, inexpensive and efficient means for carrying out the objects of the invention.

While I have particularly described the elements best adapted to perform the functions set forth, it is obvious that various changes in the form, proportion and in the minor details of construction, may be resorted to, without departing from the spirit or sacrificing any of the principles of the invention.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:—

1. In a device of the class described, body straps encircling portions of the body of a wearer, hook members, and rollers at the inner ends of said hook members having said straps trained thereover and binding the peripheries of the rollers against the body of the wearer, whereby to frictionally retain the hook members in various adjusted positions.

2. In a device of the class described, body straps encircling portions of the body, hook members, brackets carried at the inner ends of said hook members, rollers supported in said brackets having said straps trained thereover, whereby to frictionally retain the peripheries of said rollers against the body of the wearer and correspondingly retain the hooks in various adjusted positions thereon.

3. In a device of the class described, strap members adapted to encircle portions of the body, hook members, brackets swiveled to the inner ends of said hook members and rollers supported in said brackets and having said strap members trained thereover, whereby to frictionally retain the peripheries of the rollers against the body of the wearer and correspondingly retain the hook members in various adjusted positions thereon.

4. In a device of the class described, strap members adapted to encircle portions of the body and fit snugly thereagainst, hook members, brackets swiveled to the inner ends of said hook members and rollers supported in said brackets and having said strap members trained thereover, to cause the peripheries of said rollers to bind frictionally against the body of the wearer, whereby said hook members may be held in various adjusted positions on the body.

In testimony whereof I affix my signature in presence of two witnesses.

RAYMOND S. CLAWSON.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."