

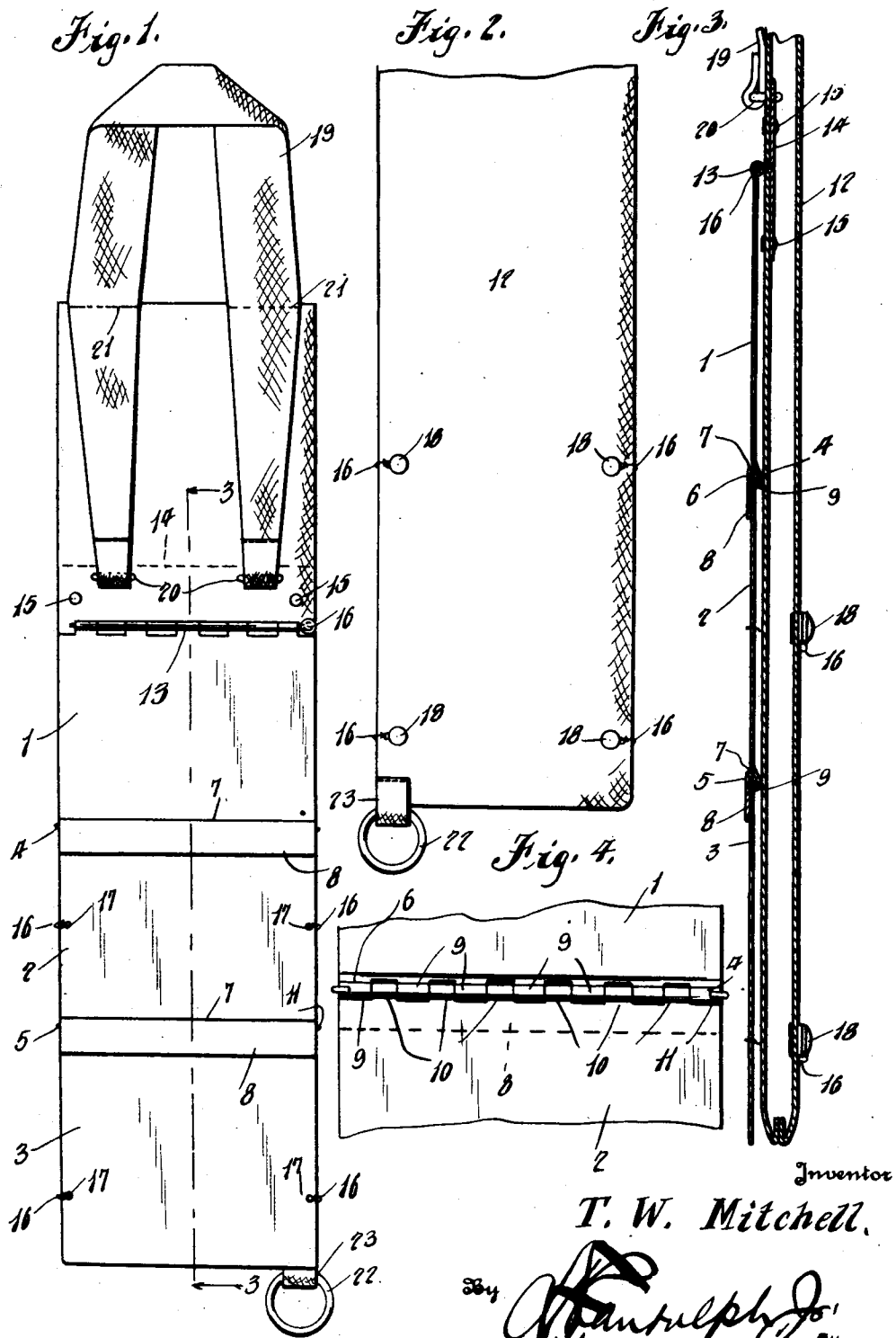
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COTTON SACK PROTECTOR

Filed March 30, 1927



UNITED STATES PATENT OFFICE.

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COTTON-SACK PROTECTOR.

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The invention relates to a means for protecting cotton pickers' sacks that are usually dragged on the ground behind the picker to receive the cotton as it is picked from the cotton bolls, and has for its object the provision of a protecting means for the sack to prevent contact of the sack with the ground, and consequent wear.

A further object of the invention is the provision of a protector adapted to be secured to a cotton sack and consisting of a plurality of sections of sheet metal hingedly engaging one another, and means applied to the sack to hingedly connect the sack to the protector.

A further object of the invention is the provision of a protector for cotton pickers' sacks comprising a member made up of a plurality of plates of sheet metal hingedly secured together, each of the plates having an extension that engages under the adjacent plate to limit the movement of the plates into open position.

The invention will be described in detail hereinafter and will be found illustrated in the accompanying drawings, in which

Figure 1 is a bottom plan view of a cotton sack protector made in accordance with the invention and showing it secured to a cotton picker's sack,

Figure 2, a fragmental top plan view,

Figure 3, a longitudinal sectional view on a plane indicated by the line 3—3 of Figure 1, and

Figure 4, a fragmental detail of one of the hinge members.

In the drawings similar reference characters will be used to designate corresponding parts throughout the several views.

The cotton sack protector comprises a plurality of plates made preferably of sheet metal, and in the drawings a protector consisting of three sections has been selected, but it will be apparent that the protector may be lengthened by increasing the number of sections or may be shortened by decreasing the number of sections. The protector illustrated comprises sections 1, 2, and 3, arranged end to end, and hingedly secured together as shown at 4 and 5. Hinges 4 and 5 are identical and will be described in detail. Taking hinge 4 for illustration, the lower end of section 1 is bent back on itself as shown at 6, and then returned as at 7 and extended in the

same direction as section 1 as shown at 8, said extended portion 8 underlying the adjacent end of the section 2. The bent back portion 6 is cut away at intervals to form hinge members 9 as clearly shown in Figure 4, and the adjacent ends of section 2 have cylindrical portions 10 that fit in the openings between the hinge sections 9 and align therewith to receive a pintle 11.

The cotton picker's sack 12 is secured to the protector by means of a hinge member 13 connecting the upper end of the section 1 and a plate 14 secured by means of rivets 15 or other suitable fastening members to the sack 12, 16 designating a removable pintle for the hinge 13 to enable connecting and disconnecting the sack to the section 1. The sack is also secured to sections 2 and 3 by means of flexible members 16, terminally engaging under the section adjacent to the side edges thereof as shown at 17 and having separable fastening members 18 of any standard type to engage mating members on the sack 12. A shoulder strap 19 is provided and has its ends secured as at 20 to the sack 12 to the plate 14, and is also secured by stitching or any other suitable manner as at 21 adjacent to the mouth of the sack. The sack 12 is provided with the usual ring 22 secured by means of a loop 23 to the bottom of the sack that is used to elevate the bottom of the sack when discharging the cotton therefrom, and is also used for hanging the sack when not in use.

The operation of the invention will be apparent from the drawing and the above description, it being apparent that the cotton picker by hooking the shoulder strap 18 over his shoulder drags the sack behind him while picking the cotton, the protector consisting of the plates 1, 2, and 3 supporting the sack to prevent the sack itself from engaging the ground and thereby saving it from wear. When the sack is filled it is detached from the protector by disconnecting the pintle 16 and releasing the fastenings 18, and the protector may then be secured to an empty sack for further use.

What is claimed is:—

1. A drag protector for cotton sacks, comprising a plurality of plates hingedly secured together, each of said plates having an integral extension extending under an adjacent

plate, said extension limiting the relative movement of the plates, hinge means to secure one of the end plates to a cotton sack.

2. A drag protector for cotton sacks, comprising a plurality of plates hingedly secured together, each of said plates having an integral extension extending under an adjacent

plate, said extension limiting the relative movement of the plates, a hinge plate adapted to be secured to a cotton sack, and means to detachably and hingedly connect the end plates to the cotton sack. 10

In testimony whereof I affix my signature.

TOM W. MITCHELL.