J. W. STATON.

COTTON SACK CLAMP.

APPLICATION FILED SEPT. 7, 1909.

1,068,014. Patented July 22, 1913.

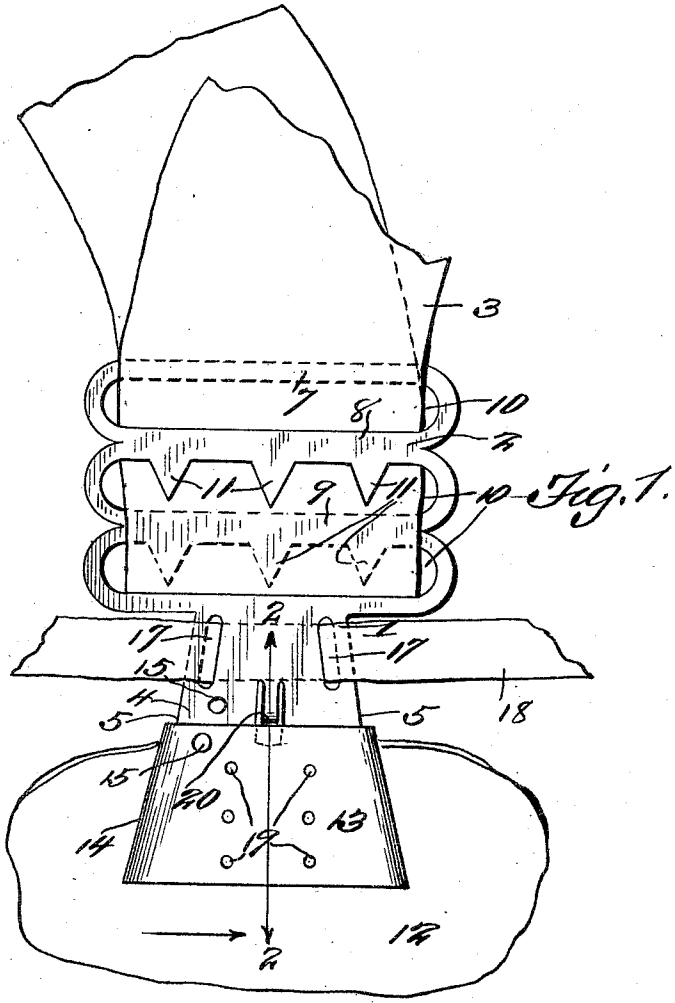


Fig. 1.

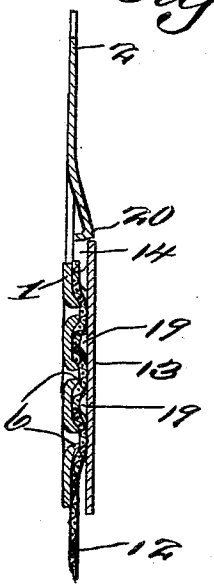


Fig. 2.

Witnesses

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COTTON-SACK CLAMP.

1,068,014. Specification of Letters Patent. Patented July 22, 1913.

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To all whom it may concern:

Be it known that I, JOHN W. STATON, a citizen of the United States, residing at Brownwood, in the county of Brown and State of Texas, have invented a new and useful Cotton-Sack Clamp; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in means for securing shoulder straps to cotton sacks and relates particularly to the construction of a clamp adapted to be removably connected to a cotton sack.

One of the objects of the invention is the construction of a clamp having two sack gripping plates whereby a sack can be secured thereto without the necessity of resorting to sewing and adapted to hold a shoulder and a hip strap removably on the sack.

With the above and other objects in view the invention relates to certain combinations, constructions and arrangements of parts, clearly described in the following specification and clearly illustrated in the accompanying drawing, in which,

Figure 1 is an elevation of a clamp for securing shoulder straps to cotton sacks, Fig. 2 is a detail sectional view on line 2—2 of Fig. 1.

Referring to the accompanying drawings, illustrating the invention 1 denotes the main clamp plate, which comprises a head portion 2, adapted to removably hold the ends of a shoulder strap 3, and a tail portion or integral gripping plate 4, which portion or gripping plate is formed with inclined edges 5 and with teeth or projections 6, spaced apart from each other.

The head portion 2 is provided with three cross bars 7, 8, and 9, which are suitably spaced apart from each other to provide spaces 10, through which the ends of the shoulder straps 3 can be alternately passed. The bars 8 and 9 are formed with teeth 11, spaced apart thereon, and the bar 7 may also be formed with similar teeth. The head portion is secured on a shoulder strap by passing the ends of said strap through the top space, or between the bars 7 and 8, passing the ends of said strap through the space between the bars 8 and 9 and passing the ends through the space between the bar 9 and the top portion of the gripping plate or tail piece or portion 4. In this way the ends of the shoulder strap 3 are caused to engage with alternate sides of the head portion 2 and with the various teeth of the bars thereon, which are adapted to penetrate the material of said strap or to bite into the surface of said material so the same will be held from movement on the head piece by reason of the frictional engagement of the alternately turned ends and the prong engagement of the teeth 11.

In order to hold or connect the clamp to a cotton sack, such as is indicated by 12, and adapted for use in the field in gathering cotton, the gripping portion or plate 4 is placed against the sack, with the teeth or projections 6 thereof facing the sack, and a second gripping plate or portion 13, which is formed with edge flanges 14, disposed on an incline and adapted to engage with the inclined edges of the gripping portion 4, is wedged on the portion 4, with the material of the sack 12 between the two plates. In this way the material of the sack is gripped between the two plates of the clamp and the sack is connected to the shoulder strap 3 without the necessity of resorting to sewing or tedious labor. The gripping plate 4 and the gripping plate 13 are formed with alining openings 15, through which a string or cord may be passed so that the two parts of the clamp will be held together.

The gripping plate 4 is provided with longitudinal slots 17 through which the end of a hip embracing strap 18 may be passed, whereby the device can be connected to the body of the sack carrier or cotton picker, and the sack properly supported. Owing to the angularly shaped gripping plates and the teeth or projections of the plate 4 and the teeth or projections 19 of the plate 13 the material of the sack is securely fixed between the two plates. As the plate 4 and the plate 13 both increase in width from their upper portions to their lower portions the plate 13 is adapted to bind on the plate 4 when the same is slidably moved thereon so that the lower and wider portions of the two plates will occupy registering positions.

The improved device renders it possible for cotton workers to secure their shoulder straps to cotton sacks very readily and

without sewing, and to use leather and other straps of a better grade in supporting cotton sacks. When a shoulder strap is sewed to a cotton sack the weight of the sack and the cotton tends to weaken the part of the sack directly connected to the strap. By means of the improved clamp shoulder straps can be secured to different parts of the cotton sacks, with the result that all parts of the sack can be made to bear the weight of the cotton.

The gripping plate 4 is provided with a resilient locking tongue 20, which is adapted to engage the top portion or edge of the plate 13, so as to hold the plate 13 against movement on the plate 4.

Having described my invention I claim and desire to secure by Letters Patent:—

In a cotton bag carrier, a plate provided with belt engaging means, said plate being further provided with means to adjustably engage a shoulder strap, and a gripping device adapted to engage the plate and grip a bag edge.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN WILLIAM STATON.

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