March 23, 1926. 1,577,562

J. H. COOPER

COTTON SACK STRAP

Filed March 12, 1925

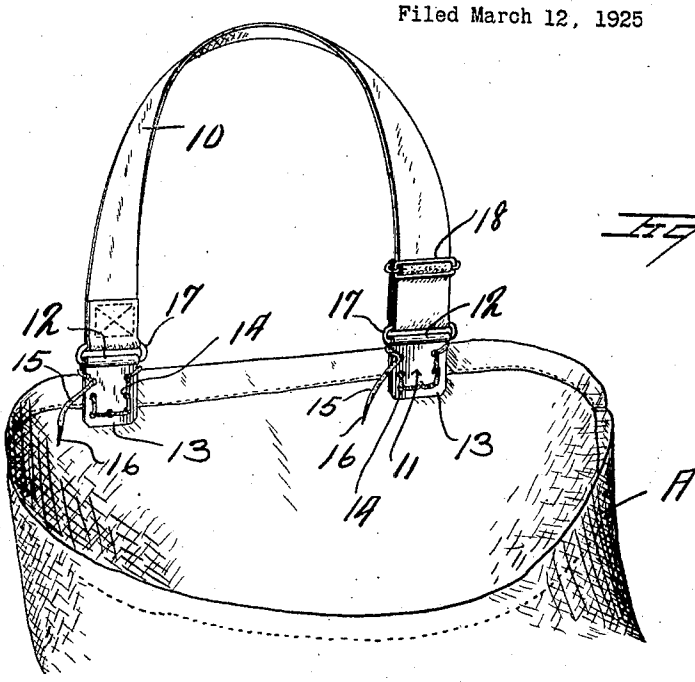


Fig. 1.

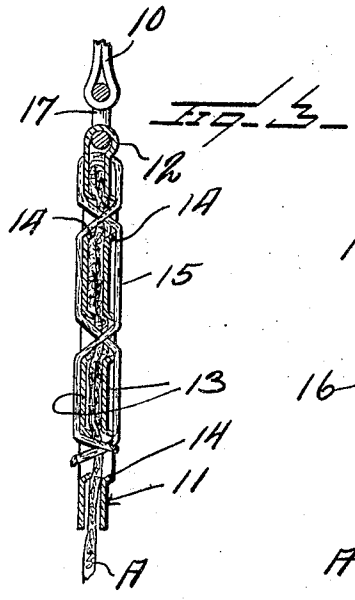


Fig. 3.

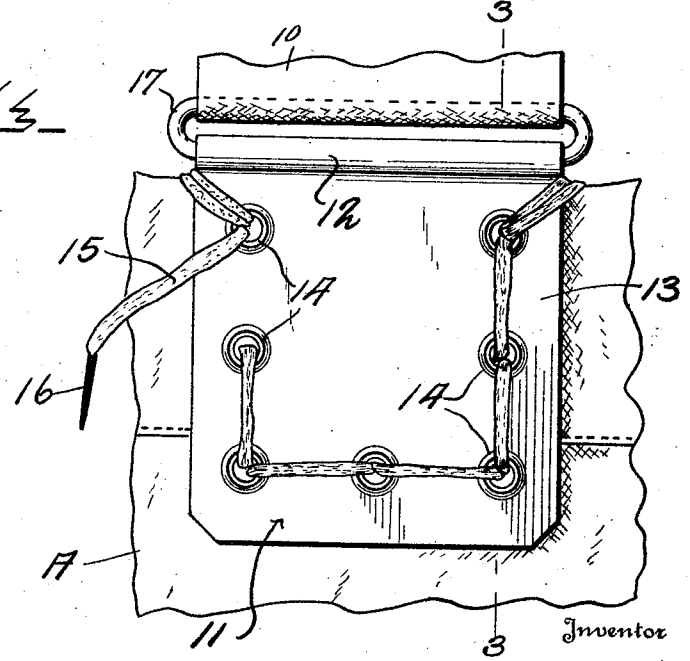


Fig. 2.

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UNITED STATES PATENT OFFICE.

JAMES H. COOPER, OF SNYDER, OKLAHOMA.

COTTON-SACK STRAP.

Application filed March 12, 1925. Serial No. 15,106.

To all whom it may concern:

Be it known that I, JAMES H. COOPER, a citizen of the United States, residing at Snyder, in the county of Kiowa and State of Oklahoma, have invented certain new and useful Improvements in Cotton-Sack Straps, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to the cotton sacks which pickers use and which is provided with a heavy canvas strap by which the picker draws the cotton bag after him as he picks.

These cotton sacks are from twelve to fourteen feet in length and inasmuch as they are drawn over the ground, about one-quarter of the sack is submitted to very heavy wear. Therefore, it becomes necessary at least once a week to shift the strap so as to bring a new or unworn portion of the sack against the ground and put the wear on a different place. It is the practice to sew this strap permanently on the sewing machine or by hand and it is considerable trouble to change the position of the strap each time it is necessary.

The object of my present invention is to provide means whereby the strap may be readily attached to the sack or detached therefrom and whereby the strap may be readily shifted from time to time as desired.

A further object is to provide a strap of this character which is adjustable to fit persons of different sizes and which is so constructed that the clamp which holds the strap to the sack has no projections which will be uncomfortable to the person.

A still further object is to provide a device of this character in which the strap is clamped to the sack by metallic clamps through which laces pass, and to so construct the clamp that no strain will come upon the laces themselves except the strain of holding the clamp in place.

Another object is to so form the clamp that the laces are held from becoming accidentally released and tearing loose from the sack.

Still another object is to provide a clamp having perforations through which the laces pass, these perforations being formed by indenting the metal of the clamp and the protuberances thus formed being disposed entirely on the inside of the sack so that they will not come in contact with the person.

My invention is illustrated in the accompanying drawings, wherein:—

Figure 1 is a perspective view of a cotton picking bag showing my improved strap applied thereto;

Figure 2 is an enlarged elevation of a portion of the bag and showing my improved clamp applied thereto and a portion of the strap;

Figure 3 is a section on the line 3—3 of Figure 2.

In these drawings, A designates the mouth portion of the sack, which sack is made of heavy canvas, and extending across the mouth portion of the sack is the strap 10 also made of heavy canvas. The ends of this strap or band are secured to the canvas by means of metallic clamps 11 formed of a single thickness of sheet metal folded so as to extend downward on each side of the wall of the bag, the fold being formed to provide a bead 12, this bead being disposed so as to project inward instead of being equi-distantly disposed or projecting entirely outward. The two metal leaves 13 of the clamp 11 are perforated at 14, these perforations being so formed as to provide annular protuberances or prongs defining the hole and projecting inward or in the same direction. The annular protuberance on the exterior leaf of the clamp will be forced inward into the canvas of the sack. Tapes, cords, or tapes in the form of shoe strings will be preferably used for the purpose of binding this clamp to the sack, and one of these tapes is designated 15, these tapes being provided at their ends with the ferrules 16 like ordinary shoe strings.

Through the bead 12 is disposed one cross bar of an elliptical link 17 and the ends of the band 10 are folded around this link and then threaded, thus giving a flexible and yet strong connection between the band and the clamping jaws, as they may be termed, of the clamp. Preferably the strap or band at one end is simply passed through the ring 17 and is not sewed to the remainder of the band but is connected to a sliding buckle or equivalent member 18 so that the length of the band may be regulated. The tape is preferably threaded through the perforations 14 backward and forward first on one side and then on the other of the leaves 13 and of the material of the bag until the clamp is tightly bound upon the bag and the ends of the tape will then be tied or left

flowing. Inasmuch as the jaws or leaves 11 are brought tightly against the material of the bag and the annular protuberances or prongs at least on one leaf are forced into the material of the bag, it is obvious that there will be practically no strain upon the laces or tapes 15 except the strain due to holding the leaves or jaws closed shut upon the bag.

I have found by actual experience that this device may be readily applied and readily removed, that it is an easy matter, particularly if the tapes or strings are provided with pointed ferrules, as the ferrules 16, to force the ends of the tape through the material of the bag and practically sew the clamp to the bag. It is, of course, even more easy to remove the tape and release the bag. By this means the position of the two ends of the strap 10 may be readily changed upon the bag so that wear will come upon a new place and without the necessity of sewing and picking out the threads when it is desired to replace the point of engagement of the strap with the bag. Furthermore, all the protuberances come upon the inside face of the bag so that only a smooth surface is left to bear against the body of the wearer.

I claim:—

1. An attachment for engaging a strap with the top of a cotton picking bag comprising a piece of metal folded to provide two parallel jaws, the metal at the junction of the jaws being formed to provide a bead, a link engaged with said bead, the jaws being correspondingly perforated, and a flexible element adapted to be threaded through the perforations and through the material of the bag disposed between said jaws and back and forth across the jaws to thereby hold the clamp upon the bag.

2. Means for attaching the ends of supporting straps to the top of a cotton picking bag comprising a clamp formed of a folded piece of metal between which the top of the bag is to be inserted, the metal being provided at its fold with a bead and the two parallel pieces of metal having registering perforations at a plurality of points, a link engaged with the bead, and a flexible element adapted to be threaded through the perforations and through the edge of the bag, the perforations on both sides of the clamp being struck up in the same direction.

3. A strap for cotton picking bags and clamps at the opposite ends of said strap, each clamp being formed to provide two opposed jaws engaging on opposite faces of the top margin of the bag, each of these jaws being formed with a plurality of aligning perforations, and the clamp at the junction of the jaws being formed to provide a bead, a flexible connection extending through said perforation and back and forth through the material of the bag and holding a jaws tightly pressed against the material of the bag, and a link engaged with the bead and with which the strap is engaged.

4. A strap for cotton picking bags and clamps at the opposite ends of said strap, each clamp being formed to provide two opposed jaws engaging on opposite faces of the bag at the top thereof, each of these jaws being formed with a plurality of aligning perforations and the clamp at the junction of the jaws being formed to provide a bead, a flexible element extending back and forth through said perforations and through the material of the bag and holding the jaws tightly pressed against the material of the bag, and a link engaged with the bead and with which the strap is engaged, the perforations of the jaws being defined by projecting walls, the walls of both jaws projecting in the same direction toward the interior of the bag.

In testimony whereof I hereunto affix my signature.

JAMES H. COOPER.