

No. 664,054.

Patented Dec. 18, 1900.

C. J. & T. T. LUCKEHE.
DRAPER SLAT PROTECTOR.

(Application filed Sept. 7, 1900.)

(No Model.)

Fig. 1.

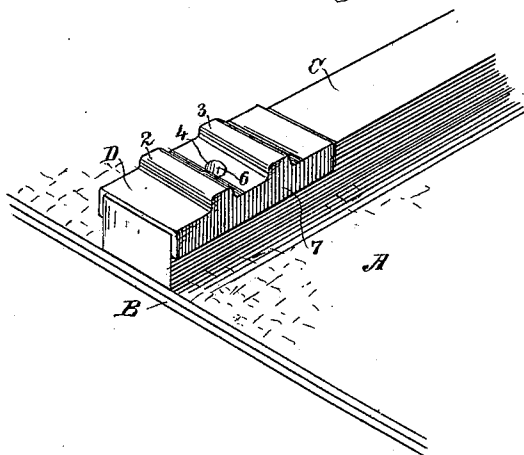
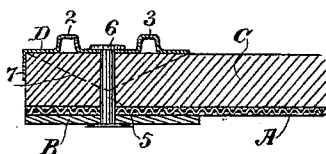


Fig. 2.



Witnesses,
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UNITED STATES PATENT OFFICE.

CHARLES J. LUCKEHE AND THEODOR T. LUCKEHE, OF GRIDLEY,
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DRAPER-SLAT PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 664,054, dated December 18, 1900.

Application filed September 7, 1900. Serial No. 29,261. (No model.)

To all whom it may concern:

Be it known that we, CHARLES J. LUCKEHE and THEODOR T. LUCKEHE, citizens of the United States, residing at Gridley, county of Butte, State of California, have invented an Improvement in Draper-Slat Protectors; and we hereby declare the following to be a full, clear, and exact description of the same.

Our invention relates to an improved device for protecting the transverse slats upon canvas and other carrying belts commonly known as "drapers."

It consists of a metal piece or cap fitting upon and partially inclosing a slat, having transverse and convex corrugations or runners between which is headed the rivet securing the cap and slat to the belt, and of details more fully to be set forth in the following specification and drawings.

Figure 1 shows our protector on the end of a slat. Fig. 2 is a longitudinal section through the same.

A is a canvas belt of the class known as "drapers," which are employed in harvesting machinery to convey threshed grain and straw from the threshing-cylinder to the cleaning mechanism and for various other and like purposes.

B B are leather straps or reinforcing-belts upon which the canvas is riveted and kept in shape and place.

C represents transverse slats upon the canvas.

D represents a cap embodying our improvements. These caps in various forms may be used at the ends or intermediate thereof of the slats.

2 and 3 are transverse and convex corrugations upon the caps, between which are rivet-holes 4.

The parts A, B, C, and D are commonly secured by the rivets 5, having the rivet-caps 6 lying between the corrugations. The corrugations or rounded lugs 2 and 3 may be stamped from the caps, and in any case are of sufficient height and weight of metal to stand necessary wear and to protect the rivet-heads.

The part of the belt in its course through the machine on its return travel has its slats downward and sliding over a frictional surface. The wear is consequently very great upon the ordinary slat-holders and even upon the slats, and the amount of friction is ac-

cordingly considerable. With our holder the corrugations offer but trifling points of contact, and a consequent large reduction in friction is effected. Again, it is necessary to protect the rivets, for if exposed to continuous rubbing they would soon become worn off, so that the rivets would pull through and leave the slats and canvas detached from the leather straps. As the rivets lie between these corrugations, the headed ends are removed from all frictional contact.

The projections 7 of the cap fit closely against the sides of the slat and prevent the latter splitting. These projections 7 may have any shape desired. We prefer the rectangular and the half-diamond forms. These caps may have end projections as well, if desired, fitting and protecting the ends of the slats. With this cap we have a simple device that reinforces and protects the slat, offers practically an antifriction sliding surface or runner, shields the rivet end or head from wear, and is secured by the rivet, which it in turn protects, the rivet uniting it with the slat, canvas, and leather straps.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A draper-slat protector, consisting of a metal piece fitting upon and partially inclosing the sides of the slat, and having transverse, convex corrugations upon its upper surface, and a means for attaching it to the slat.

2. A draper-slat protector consisting of a metal cap upon and fitting the vertical sides and top of the slat and having transverse convex corrugations on the top, and a rivet-hole intermediate of the raised portions to receive a rivet by which it is secured to the slat.

3. A draper-slat protector consisting of a metal plate fitting upon and partially inclosing the sides of the slat, and having corrugations upon its upper surface between which are headed the rivet by which the plate, slat, canvas and straps are commonly held together.

In witness whereof we have hereunto set our hands.

CHARLES J. LUCKEHE.
THEODOR T. LUCKEHE.

Witnesses:

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