(No Model.)

J. C. BURNES.

BAND CUTTER.

No. 275,463. Patented Apr. 10, 1883.

Fig. 1

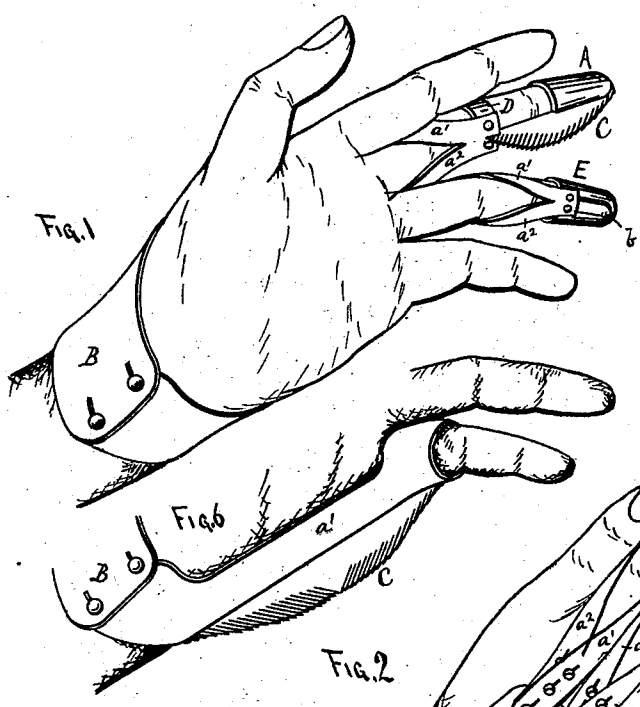


Fig. 6

Fig. 2

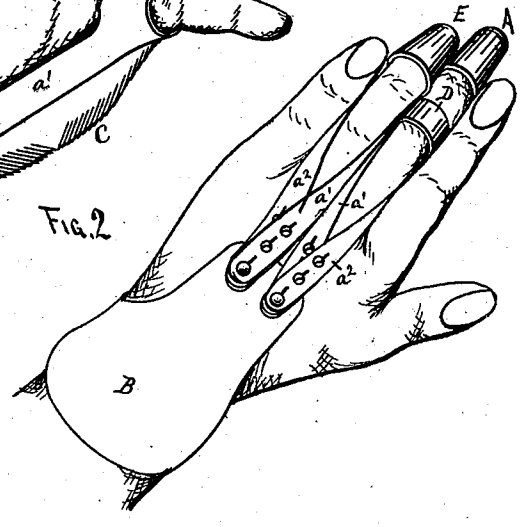


Fig. 3

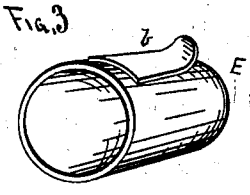


Fig. 4

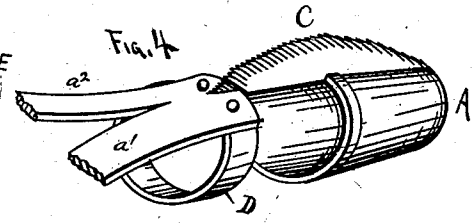
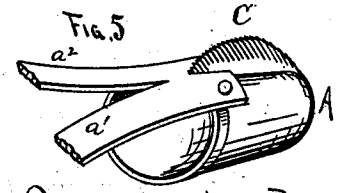


Fig. 5



WITNESSES.
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John Cameron Burnes, INVENTOR, By
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UNITED STATES PATENT OFFICE.

JOHN C. BURNES, OF HOPKINS, MINNESOTA.

BAND-CUTTER.

SPECIFICATION forming part of Letters Patent No. 275,463, dated April 10, 1883.

Application filed November 4, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN CAMERON BURNES, a citizen of the United States, and a resident of Hopkins, in the county of Hennepin, in the State of Minnesota, have invented certain new and useful Improvements in Combined Band-Cutters and Finger-Protectors for Thrashers, of which the following specification is a full, clear, and exact description, reference being also had to the accompanying drawings, in which—

Figure 1 is a perspective view of the front of a hand with one of my protectors arranged thereon, and Fig. 2 is a similar view of the back of a hand. Fig. 3 is an enlarged perspective view of one of the hook-supporting thimbles or ferrules detached. Figs. 4 and 5 are enlarged detached perspective views of two forms of the cutter-supporting thimbles or ferrules. Fig. 6 is a perspective view of a portion of a hand detached, illustrating a slight variation in the construction and manner of arranging the band-cutter.

My invention consists in the parts, and also in their combination, as hereinafter particularly described, and then sought to be specifically defined by the claims.

A is a metal thimble or ferrule adapted to fit over the fingers of the operators upon thrashing-machines, and secured to the hand by suitable straps, a' a^2, and cuff or wristband B.

Attached to the lower side of the thimble A is a steel cutter or knife, C, having a serrated or toothed cutting-edge, said serrations slanting backward, so as to cut the bands more readily when the cutting-blade is drawn over them.

This knife may be attached directly to the thimble, as shown in Fig. 5, or made longer and attached by one end to the thimble and the other end to a ring, D, back a short distance from the thimble, as shown in Figs. 1, 2, and 4. When the ring D is used the straps a' a^2 will be attached to the ring, while in the form shown in Fig. 5 they will be attached directly to the thimble. When the ring is used the cutter can be made longer, so that the cut will be from above the first joint of the finger. One or more of these cutter-armed thimbles, caps, or plates may be used upon each hand, each thimble being provided with its separate set of straps a' a^2, connecting it to the cuff B. The straps are of such a length that they will firmly hold the caps on the finger, so that they will not slip in cutting the cord. The straps are preferably secured to the inside or front face of the cap, so as to pass up over the finger, and then crossed before being secured to the wristlet, as shown, such construction holding the thimble more firmly in place and at the same time offering less obstruction to the ordinary use of the fingers.

Under some circumstances a separate thimble, cap, or plate, E, armed with a small flat hook, *b*, may be used, as shown in Figs. 1, 2, and 3, and connected to the cuff B by its own straps c' c^2, to assist the operator in handling the bundles of grain.

It will be observed that the straps a' a^2 and c' c^2 are attached to the thimbles A E or band or ring D on the outside, and that the "heels" of the cutter C and hook E are partially covered by the straps, so that no projecting obstructions occur to catch the straw and annoy the operator.

The thimbles not only form a base to which the knives and hooks are attached, but also protect the ends of the fingers of the operators.

The cutter-armed thimbles may be attached to ordinary leather gloves, if desired; but I prefer them attached by leather or other straps to the cuffs, as shown.

The cuffs and straps may be made adjustable by buttons or other means to adapt the device to different-sized hands, and the caps may be of metal or other suitable material.

Instead of thimbles, a metallic plate curved at the end and adapted to protect the tip and ball of the finger might be used.

If the cutting-blade be connected to a glove or other attaching means so as to lie along the side of the hand, between the little finger and wrist-joint, as shown in Fig. 6, it will be within the scope of my invention the same as if connected to any other part of the hand. The blade may have its serrations running in opposite directions, as represented in Fig. 6, so that the cord can be cut in either the forward or backward movement of the hand.

I am aware of the various forms of corn-huskers which have been patented. They are different from my cord-cutter in construction, in the use made of them, and are not capable, without alteration, of the use my device is designed for and adapted to.

Having described my invention and set forth its merits, what I claim is—

1. A device for cutting cords on grain-bundles, consisting of a cap or plate provided on its side face with a cutting-blade having rounding ends, substantially as shown, whereby no acute angle is presented to catch and interfere with the cutting of the cord, in combination with means for securing it to the hand, for the purposes specified.

2. The finger plate or cap provided with the face-attached cutting-blade, in combination with means for securing it to the hand, said means being fastened to the plate so as to cover its front edge on opposite sides of the blade, substantially as shown, for the purposes specified.

3. The finger plate or cap, the ring, and the face-attached connecting cutting-blade, in combination with means for securing the plate to the hand, substantially as set forth.

4. The combined cord-cutter and feed-finger protector for thrashing-machine operators, consisting of a plate or cap provided with a cutting-blade, and a plate or cap provided with a hook on its face, in combination with means for securing them to the hand, substantially as and for the purpose set forth.

5. The cuff B and straps a' a^2, in combination with plate or cap A, provided with a cutting-blade, C, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN CAMERON BURNES.

Witnesses:
C. N. WOODWARD,
LOUIS FEESER, Jr.