No. 660,195. Patented Oct. 23, 1900.

J. S. MANLY.

BAND CUTTER.

(Application filed Jan. 18, 1900.)

(No Model.)

Fig. 1.

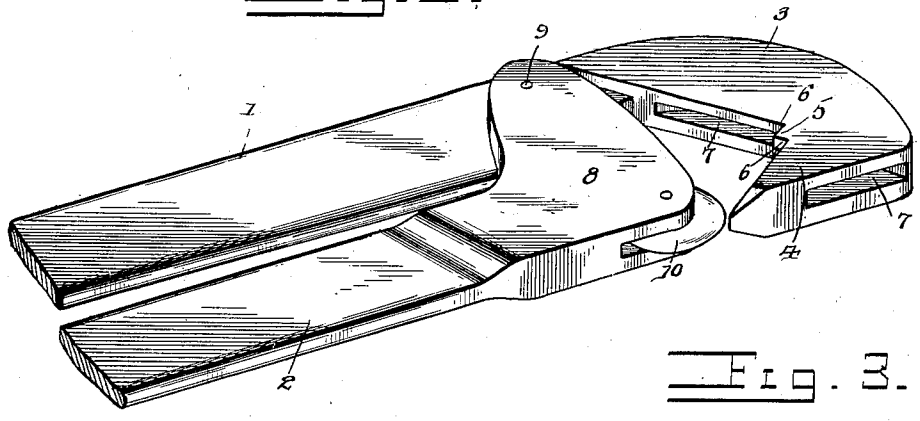


Fig. 3.

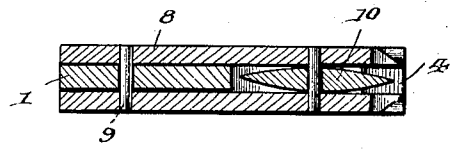
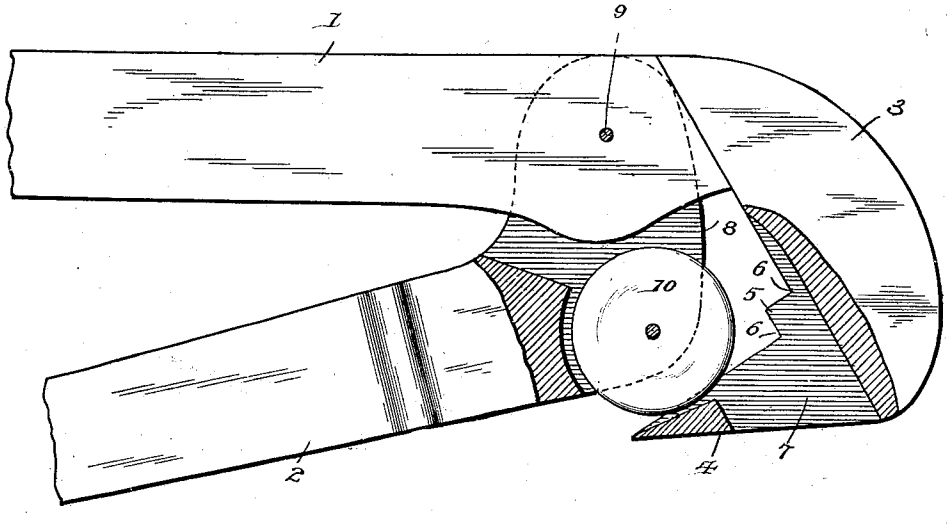


Fig. 2.



Witnesses
F. E. Alden.

James. S. Manly Inventor.

By H. T. S. Attorneys.

C. A. Snow & Co.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES S. MANLY, OF TAYLOR, TEXAS.

BAND-CUTTER.

SPECIFICATION forming part of Letters Patent No. 660,195, dated October 23, 1900.

Application filed January 18, 1900. Serial No. 1,933. (No model.)

To all whom it may concern:

Be it known that I, JAMES S. MANLY, a citizen of the United States, residing at Taylor, in the county of Williamson and State of Texas, have invented certain new and useful Improvements in Band-Cutters, of which the following is a specification.

This invention relates to band-cutters, and has for one object to provide an improved hand-operated implement of this kind especially designed for facilitating the cutting of bale-bands while the latter are applied to a bale of cotton and similar bundles or boxes. It is furthermore designed to adapt the implement for cutting round wire bands, as well as flat bands, and also to provide a removable cutting member, so that the latter may be replaced when broken and readily sharpened when dull.

With these and other objects in view the present invention consists in the combination and arrangement of parts, which will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details of construction may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a band-cutting implement constructed in accordance with the present invention. Fig. 2 is a sectional elevation thereof. Fig. 3 is a transverse sectional view taken through the pivotal connection of the handles.

Corresponding parts in the several figures of the drawings are designated by like characters of reference.

Referring to the accompanying drawings, it will be seen that the present implement comprises a pair of pivotally-connected handles 1 and 2, respectively. The handle 1 is provided with a jaw 3, which projects laterally at one side only of the handle and is provided with a bill 4, which is located at the outer end of the jaw and projects from the inner side thereof, so that the adjacent inner faces of the jaw and the bill are disposed at substantially right angles. At the vertex of said angularly-disposed faces there is provided an angular shoulder 5, the opposite faces of which are disposed at substantially right angles to the adjacent faces of the jaw and the bill, so as to provide opposite angular notches 6. Extending through the jaw and the bill is a slot 7, which opens through the inner faces of the jaw and bill for a purpose, as will be hereinafter described. The other handle 2 is provided with a lateral head 8, which is bifurcated longitudinally, so as to receive the handle 1, and the two handles are pivotally connected by means of a transverse pivot-pin 9.

As best shown in Fig. 2 of the drawings, it will be seen that the bifurcation of the head extends entirely across the inner end of the handle, and mounted within the bifurcation is a blade in the form of a rotary cutting-disk 10, which is located opposite the handle 1 and has a portion of its peripheral edge projecting outwardly through the bifurcation and beyond the adjacent edge of the handle. Moreover, the outer corner, between the outer end of the handle and the head 8, is rounded, and the disk projects equally at the outer side of the handle and also beyond the inner end thereof.

In the operation of the implement the bill 4 is hooked beneath the bale-band, so as to receive the latter between the inner flat face of the bill and the cutting-disk, and then the handles are operated upon their pivotal connection to force the disk inwardly across the band, whereby the latter is conveniently cut. It will now be apparent that the slot 7 is designed to receive the cutting-disk, and the band is supported upon the flat inner face of the bill. Should it be desired to cut a round wire band, the latter is engaged with either of the notches 6, and the walls of the latter will hold the band during the cutting operation.

It will be noted that the inner face of the jaw 3 is substantially straight and forms a stop for engagement with the adjacent end of the handle 2, so as to prevent the sharp peripheral edge of the cutting-disk from engaging with the back of the slot 7, so as to protect said disk when the implement is not in use. Moreover, it is designed to detach-

ably mount the cutting-disk, so that the latter may be replaced when broken and also removed when it requires to be sharpened.

By reason of the fact that the outer end of the head 8 is disposed at substantially right angles to the outer end of the handle 2 and the cutting-disk is located at the outer corner of the handle said disk may be entered into the inner extremity of the slot 7, so as to engage both of the notches 6, when it is desired to cut a round band.

What is claimed is—

1. A band-cutter, comprising pivotally-connected handles, a jaw carried by one of the handles, and having a bill projecting from the inner face of the jaw, and a shoulder located at the vertex of the angle between the inner faces of the jaw and the bill, and providing opposite notches, and a cutting-disk carried by the other handle and coöperating with the inner faces of the jaw and the bill and also with the notches.

2. A band-cutter, comprising pivotally-connected handles, a jaw carried by one of the handles, and provided with a longitudinal slot opening through the inner face of the jaw, and also one or more notches formed in the inner face of the jaw and extending transversely of the slot, and a cutting-disk carried by the other handle and entering the slot and notches of the jaw.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JAMES S. MANLY.

Witnesses:

R. L. PENN,

OSCAR FRINK.