

J. B. DEANE.
BAND CUTTER.

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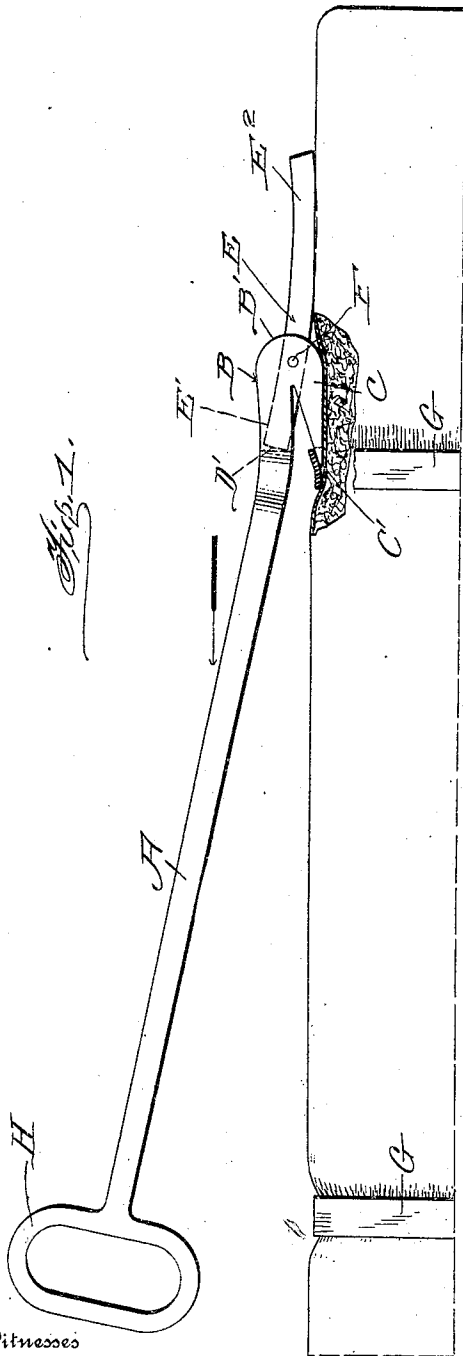
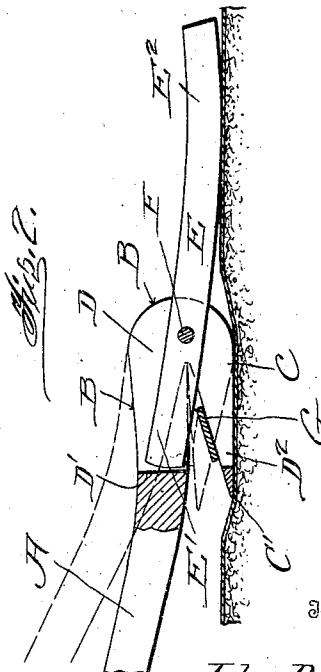
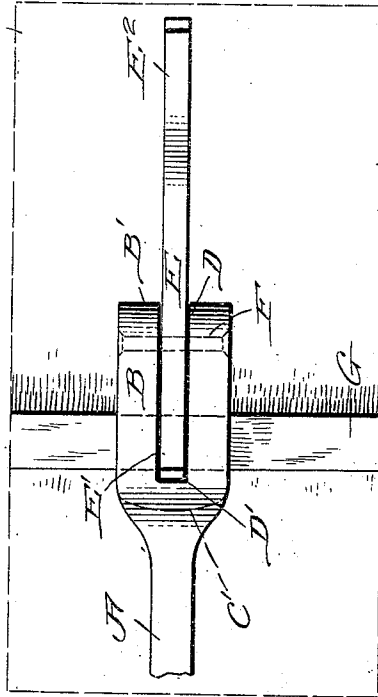


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN B. DEANE, OF NEW YORK, N. Y.

BAND-CUTTER.

938,831.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN B. DEANE, a subject of the King of Great Britain, residing in New York city, State of New York, have invented a new and useful Improvement in Band-Cutters, of which the following is a specification.

This invention is a novel construction of band cutter for cutting flat or wire bands employed in packing merchandise.

The object of my invention is to provide a band cutter which will be cheap, simple and exceedingly durable in construction, and very easy and rapid in operation.

Another object of the invention is to provide a band cutter of such construction that it will be impossible for the band to work away from the cutter during the cutting operation.

With these objects in view, my invention consists of a handle bar terminating in a head, which head is constructed with a beak tapering toward the handle bar, said head and beak being bifurcated, and a cutting bar fulcrumed in the bifurcated head, the long member of said bar projecting beyond the head while the short member works in the bifurcation in the head and beak, for the purpose of cutting the band, held between the head and beak.

The invention consists also in certain details of construction and novelties of combination, all of which will be fully described herein and pointed out in the claims.

In the drawings forming a part of this specification:—Figure 1 is a view illustrating the practical application of my invention. Fig. 2 is a sectional elevation of the head and connected parts, showing the initial position in full lines and the cutting position in dotted lines, and Fig. 3 is a top plan view of the head and connected parts.

In the practical embodiment of my invention, I employ a handle bar A, of suitable dimensions, according to the nature of the work required of the device, which handle terminates in and expands with a head B, and upon the underside this head is provided with a beak or hook C, which tapers as shown toward the handle, and ends in a point or knife edge C'. A V-shaped mouth or slot is thus provided between the head and beak, as it will be noticed that the bottom of the beak and top of the head are sub-

stantially parallel. The end of the head is rounded as shown at B', the purpose of which will appear later on.

The head and beak are made considerably wider than the handle A, and both the head and beak are bifurcated or slotted vertically as shown at D, the bifurcation extending inwardly as far as D', in the head, and at D² in the beak. A cutting bar E rectangular in cross section is fulcrumed in the bifurcation of the head, a pivot pin F passing through the head and bar for this purpose. One end of this cutting bar E' works snugly in the bifurcated head and beak, and it will be noted that the member E² which projects beyond the head, is considerably longer than the member E', and is curved slightly.

It will be understood that my improved construction of band cutter is primarily intended for cutting the flat metal bands which come around bales of merchandise and heretofore this cutting operation has been difficult, tiresome, and has taken considerable time.

By means of my device the cutting operation is easily accomplished in a remarkably short space of time.

In operating my improved cutter, the head is placed upon the far side of the band G, to be cut, beak downward, and drawn toward the operator, and in so doing the beak is drawn under the band, which band rides up the incline of the beak and becomes firmly seated in the slot, and as soon as the band has been picked up on the beak, the operator begins to raise the handle bar, and as the end of the head is rounded the said head will readily turn or rock and as the outer end E² of the cutter bar is bearing upon the bale, the cutting end E' will be forced into contact with the band G, as the head and beak turn, and all the power applied to the outer end of the lever cutting bar is transmitted to the short cutting arm, and in this way the power is greatly multiplied, owing to the arm E² being longer than the arm E' and the band will be quickly and easily severed, an entire piece, the width of the cutting bar being taken completely out, and carried down through the bifurcation in the beak. The handle being preferably provided with a hand-grip H greatly facilitates the pulling and lifting operations.

Having thus fully described my invention,

what I claim as new and desire to secure by Letters Patent is:—

1. A band cutter comprising a bar terminating in a head, said head being provided
5 with a downwardly extending and rearwardly tapering beak, said head and beak being longitudinally bifurcated, and a lever cutting bar pivoted in said head, one member working in the bifurcation of the head
10 and beak, for the purpose of severing the band held between the head and beak, the other member of said cutting bar projecting forwardly beyond the head for the purpose set forth.
- 15 2. A band cutter comprising a bar terminating in a head, the end of said head being rounded, a beak projecting rearwardly and downwardly from said head, and tapering to an edge, thereby providing a V-shaped

mouth or slot between the head and beak 20 adapted to receive the band to be cut, said head and beak being longitudinally bifurcated, a cutting bar pivoted in said head, the shorter member working in the bifurcation and the longer member projecting forwardly 25 from the head, and being slightly curved for the purpose specified.

3. A band cutter comprising a bifurcated head provided with means upon its under side for engagement with a band, a cutting 30 bar fulcrumed in the bifurcated head and having its forward end projecting beyond said end, and a handle extending rearwardly from the head, as shown and described.

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Witnesses:

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