

D. S. BENFIELD.

BACK BAND HOOK.

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997,363.

Patented July 11, 1911.

Fig. 1.

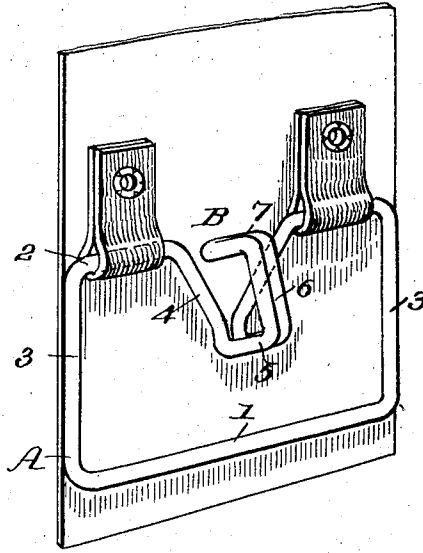


Fig. 2.

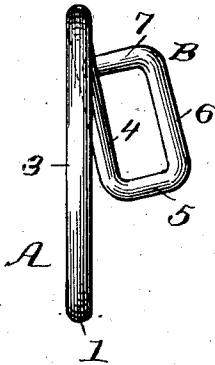
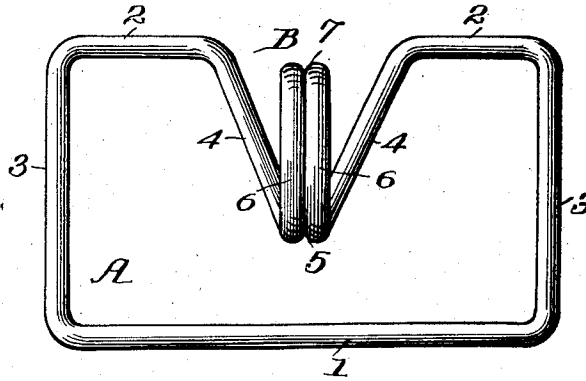


Fig. 3.



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UNITED STATES PATENT OFFICE.

DANIEL SOLOMON BENFIELD, OF NEAR FAIRBURN, GEORGIA.

BACK-BAND HOOK.

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To all whom it may concern:

Be it known that I, DANIEL S. BENFIELD, a citizen of the United States, residing near Fairburn, in the county of Campbell and State of Georgia, have invented certain new and useful Improvements in Back-Band Hooks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The present invention relates in general to harness, and has for its object to provide an improved back band hook which is strong and durable in its construction, which can be readily applied to a back band in the usual manner, and which embodies novel means for engaging a trace or chain and holding the same securely against displacement.

A further object of the invention is the provision of a back band which is simple and inexpensive in its construction and which is peculiarly designed so as to prevent the trace or chain from rubbing against the sides of the animal in such a manner as to chafe the animal or cause the formation of knots.

With these and other objects in view, the invention consists in certain combinations and arrangements of the parts as will more fully appear as the description proceeds, the novel features thereof being pointed out in the appended claims.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings, in which:—

Figure 1 is a perspective view of a back band hook constructed in accordance with the invention; Fig. 2 is an end elevation of the hook, and Fig. 3 is a front elevation of the same.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

In constructing one of the back band hooks, a rectangular frame A is formed of some suitable material, the said frame comprising the upper side 2 and the lower side 1 which is parallel thereto, the extremities of the said sides 1 and 2 being connected by the parallel end bars 3. The middle portion of the upper side piece 2 of the frame is

crimped downwardly to form a substantially V-shaped throat 4 which is inclined outwardly away from the plane of the frame A. At the apex of this V-shaped throat 4 the sides of the crimped portion are brought together and extended outwardly at 5, then upwardly at 6, and finally inwardly at 7. A hook member B is thereby formed which projects outwardly from the rectangular frame A and is arranged in a plane at substantially right angles to the plane of the said frame, the entrance to the said hook member being through the throat 4.

As indicated upon the drawing, this back band hook could be very readily constructed from a single length of material, and when in use, the upper side piece 2 of the frame would engage the back band, while the hook member B would engage the chain or trace and hold the same securely in position. Owing to the fact that the hook member B projects outwardly from the rectangular frame, the trace or chain would be held on the outside of the frame A and thereby prevented from rubbing or chafing against the sides of the animal in such a manner as to cause discomfort to the animal and produce knots upon the skin of the same. As long as the trace is under tension, it will be held in the hook member B, but as soon as the tension upon the trace is released, the trace can then be doubled upon itself and disengaged from the hook B by slipping it through the inverted V-shaped throat 4.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A back band hook comprising a frame having one side thereof crimped inwardly to form a throat, the sides of the crimped portion being brought together at the apex of the throat and bent outwardly to provide a hook member which is arranged in a plane substantially at right angles to the plane of the frame, entrance to the hook shaped member being through the before mentioned throat.

2. A back band hook comprising a frame having one side thereof crimped inwardly to form a throat which is arranged within the frame, the sides of the crimped portion being brought together at the apex of the throat and bent outwardly to provide a hook member which is arranged in a plane at right angles to the plane of the frame and

entirely upon one side of the same, entrance to the hook member being through the before mentioned throat.

3. A back band hook formed from a single
5 length of material and comprising a closed frame, one side of the frame being crimped inwardly to provide a substantially V-shaped throat which is inclined outwardly from the plane of the frame, the sides of the
10 crimped portion being brought together at the apex of the throat and bent outwardly to form a hook member arranged in a plane at right angles to the plane of the frame and entirely upon one side of the frame,
15 entrance to the hook member being through the before mentioned V-shaped throat.

4. A back band hook formed from a single
length of material and comprising a substantially rectangular frame, the upper side
20 of the frame being designed to be engaged

by the back band and having the middle portion thereof crimped downwardly to form a V-shaped throat which is inclined outwardly from the plane of the main frame, the sides of the crimped portion being brought together at the apex of the throat and extended outwardly, upwardly, and then inwardly to form a hook member which is arranged in a plane at right angles to the plane of the frame and entirely upon
25 one side thereof, entrance to the hook member being through the before mentioned V-shaped throat.

In testimony whereof I affix my signature in presence of two witnesses.

DANIEL SOLOMON BENFIELD.

Witnesses:

HENRY McCURRY,
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."