

J. H. ESTES.
 BACK BAND HOOK.
 APPLICATION FILED OCT. 2, 1911.

1,023,999.

Patented Apr. 23, 1912.

Fig 1

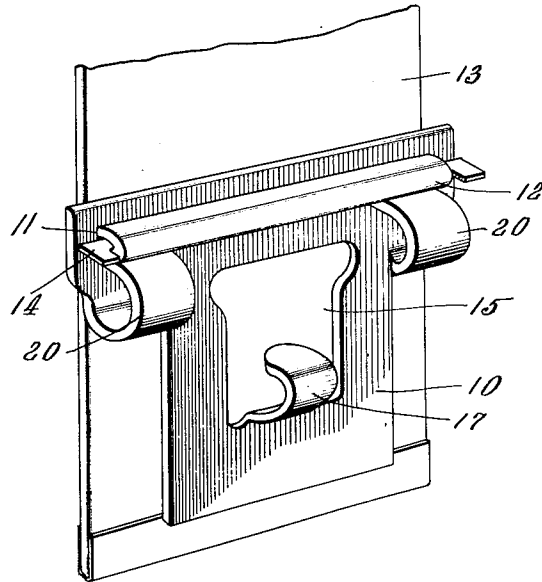


Fig 2

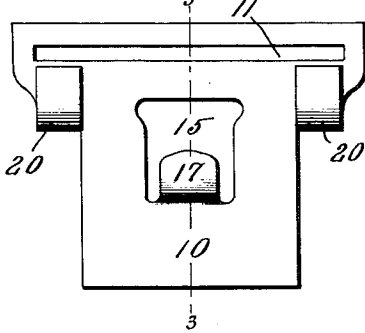


Fig 3

Fig 5

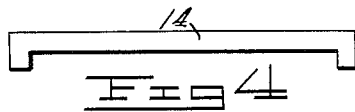
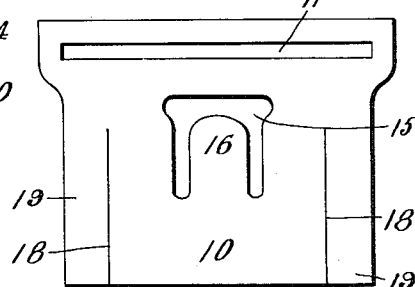


Fig 4

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Witnesses

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UNITED STATES PATENT OFFICE.

JAMES H. ESTES, OF UNION CITY, GEORGIA.

BACK-BAND HOOK.

1,023,999.

Specification of Letters Patent.

Patented Apr. 23, 1912.

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To all whom it may concern:

Be it known that I, JAMES H. ESTES, a citizen of the United States, residing at Union City, in the county of Campbell and State of Georgia, have invented new and useful Improvements in Back-Band Hooks, of which the following is a specification.

This invention relates to back band hooks for harness, and has for its object to provide a hook designed to be mounted adjustably on each end of a back band, said hook being formed wholly of sheet metal, such as soft steel, from a flat plate, portions of which are rolled into loops or rings through which one of the reins is adapted to pass, a loop or hook for carrying a trace chain being also formed from a finger on the plate, and a lateral slot cut in the plate through which a fold in the back band is passed to be adjustably secured to the plate by a simple retaining means. A device of this kind is simple, strong and economical, and quickly and easily made from a flat blank which may be readily cut out and shaped by hand, or stamped from stock and bent to form by machinery.

With these objects in view the invention consists of the novel construction, combination and arrangement of parts hereinafter described and pointed out in the appended claims, reference being had to the accompanying drawing, in which—

Figure 1 is a perspective view of the improved back band hook in position on one end of a back band. Fig. 2 is a front view of the hook disconnected from the back band. Fig. 3 is a vertical sectional view on the line 3—3 of Fig. 2. Fig. 4 is a view of a detail of the invention. Fig. 5 is a face view of the blank from which a hook is made.

In the drawing, the numeral 10 indicates the body of the back band hook formed of a flat plate of metal, as for instance soft sheet steel, having a narrow transverse slot 11 near its top through which a loop 12 of the back band 13 is projected from the rear and retained on the front side of the plate 10 by means of a bar 14, see Fig. 4, longer than the slot 11, passed through the loop, thus locking the plate securely to the back band

and also permitting adjustment of the plate to any desired position on the band by forming the loop 12 a greater or lesser distance from the end of the band.

A substantially rectangular opening 15 is made in the approximate center of the plate 10 from the lower edge of which a finger 16, see Fig. 5, projects upwardly and is bent, as in Figs. 1 and 3, to form a hook 17 from which one of the trace chains may be suspended. This hook also affords a means of attachment for one end of the girth. Near each side edge of the plate 10 is a straight cut 18, see Fig. 5, parallel to its edge and extending upwardly nearly to the top of the opening 15. These cuts form two strips 19 which when rolled upwardly into a substantially circular form serve as eyes 20 through which one of the reins is passed and affords a support therefor, preventing the reins, there being a plate 10 on each side of the horse, from falling and becoming entangled in the traces or caught by the hooks 17 or other parts of the harness, thereby preventing breakage of the reins and increasing their longevity. A back band hook made as described is very strong and affords little or no chance of being broken or bent out of shape. Furthermore, it being flat and without inward projections it lies easily against the horse without chafing or irritating him.

Having fully described my invention what I claim is:—

A back band hook made of a flat plate cut or stamped from a flat sheet, said plate having a transverse slot at its top by means of which it is fastened to a band, a central opening with an upwardly projecting tongue bent to form a hook, and a strip at each side formed by straight cuts parallel with said sides and then rolled to form closed rings.

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

JAMES H. ESTES.

Witnesses:

TOM LESTER,
ROBT. F. BUTLER.