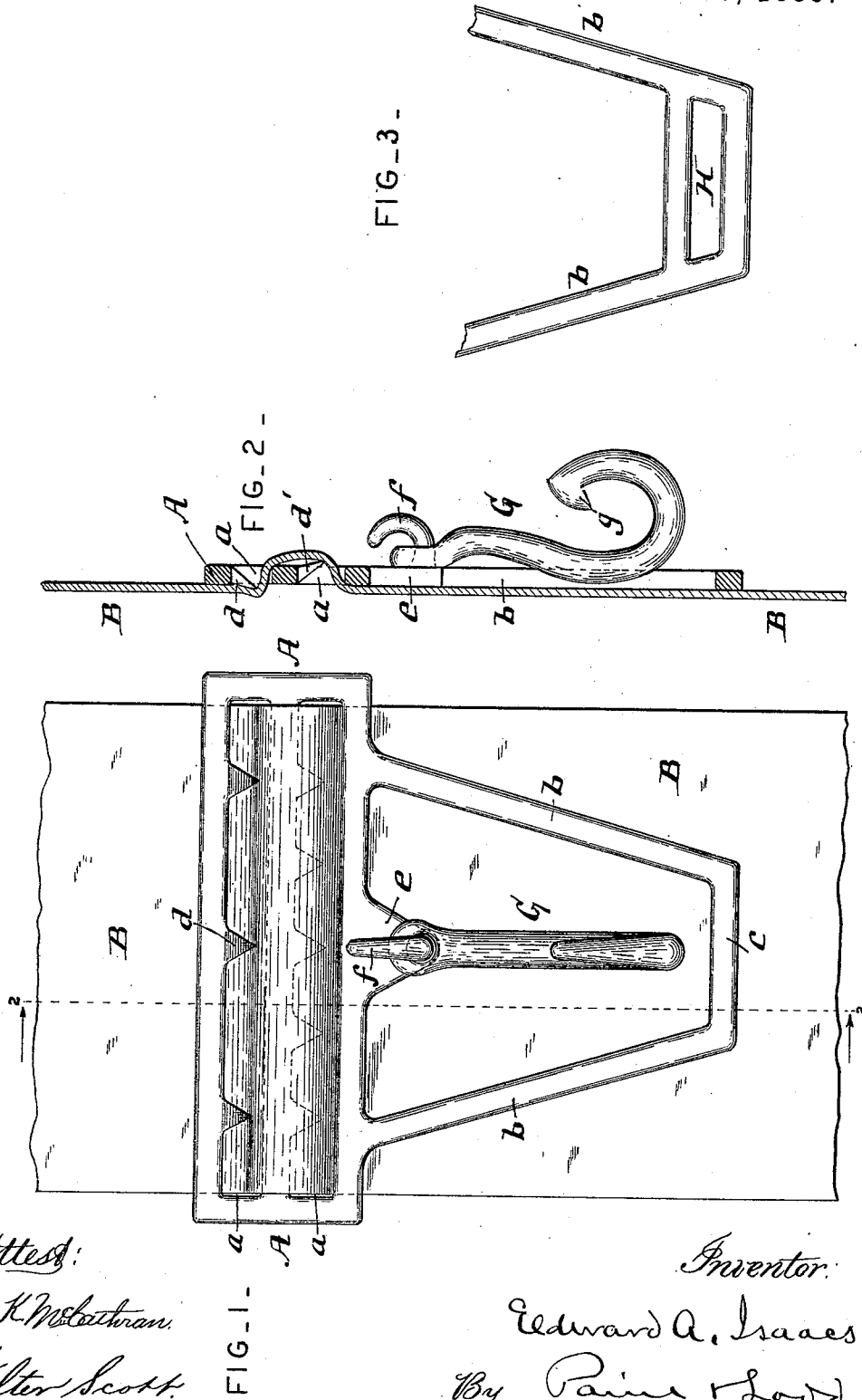


(No Model.)

E. A. ISAACS.
BACK BAND HOOK.

No. 397,002.

Patented Jan. 29, 1889.



Attest:

Jas. K. McElathran.
Walter Scott.

Inventor:

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UNITED STATES PATENT OFFICE.

EDWARD A. ISAACS, OF MACON, GEORGIA, ASSIGNOR OF THREE-FOURTHS TO
JOHN C. VAN SYCKLE AND HARRY C. TINDALL, OF SAME PLACE.

BACK-BAND HOOK.

SPECIFICATION forming part of Letters Patent No. 397,002, dated January 29, 1889.

Application filed August 2, 1888. Serial No. 281,724. (No model.)

To all whom it may concern:

Be it known that I, EDWARD A. ISAACS, a citizen of the United States, residing at Macon, in the county of Bibb 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

The present invention relates to back-band hooks for team and farm harnesses; and the object of the invention is to provide an improved hook which shall permit the trace-chain to be easily fastened and at the same time render it practically impossible for the trace-chain to become accidentally unfastened.

The invention consists of the improved back-band hook, as hereinafter described, and fully set forth in the claims.

Figure 1 of the drawings shows a front view of the improved back-band hook, and Fig. 2 a vertical cross-section of the same. Fig. 3 is a plan view of a modified form of the guard-frame.

The frame A of the hook consists of the buckle portion formed by the two slots *a a*, through which the web or back-strap B passes, and the triangular guard-frame pendent from the bottom of the buckle and integral therewith, formed by the side bars, *b b*, and the bottom cross-bar, *c*. The upper and middle bars of the buckle are provided with the downwardly-projecting teeth *d d'*, which bite the web or strap and prevent the buckle from slipping. It will be observed that the upper set of teeth have an inward cant and the

lower row an outward cant, in both cases toward the web, to secure a positive hold.

At the center of the bottom of the buckle part proper there is formed a lug, *e*, carrying a hook, *f*, from which hangs the trace-hook G within the triangular frame formed by the bars *b, b*, and *c*. The hook G is made with the inwardly-projecting lip *g* at its point, like the barb of a fish-hook, but more prominent, which lip prevents the chain-link, when the latter is hooked on, from being accidentally thrown off. The free swinging hook G permits an easy attachment of the trace-chain. The hook can be swung out or swung to one side to bring it into position most convenient at the time for hooking on the chain, and then it falls back into place.

The triangular guard-frame of the buckle protects the web from the wear of the trace-chain. If desired, the bottom of the triangular frame may be made with a strap-loop, H, as shown in Fig. 3; or the strap which buckles through the loop H may simply pass around the bar *c* in the form first illustrated.

What I claim as new, and desire to secure by Letters Patent, is—

1. The back-band hook herein described, consisting of a buckle having a pendent guard-frame integral with the buckle, and a free swinging hook hanging from the bottom of the buckle within the guard-frame.

2. The back-band hook herein described, consisting of a buckle having a pendent guard-frame integral with the buckle, and a free swinging barbed hook hanging from the bottom of the buckle within the guard-frame.

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

EDWARD A. ISAACS.

Witnesses:

J. M. ROGERS,
F. ROSS.