

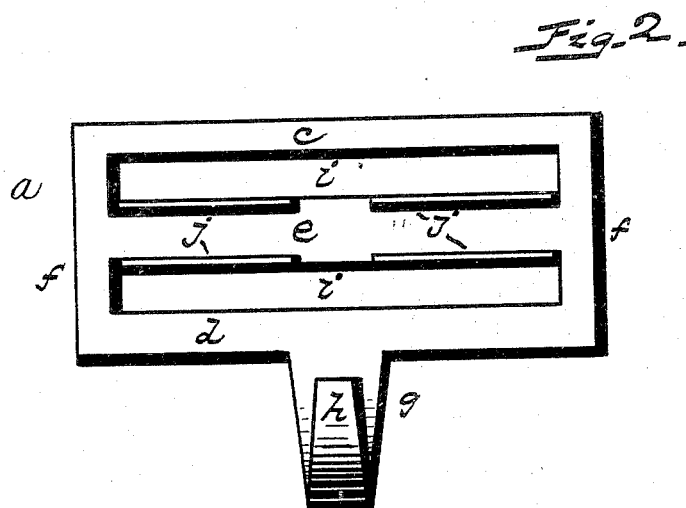
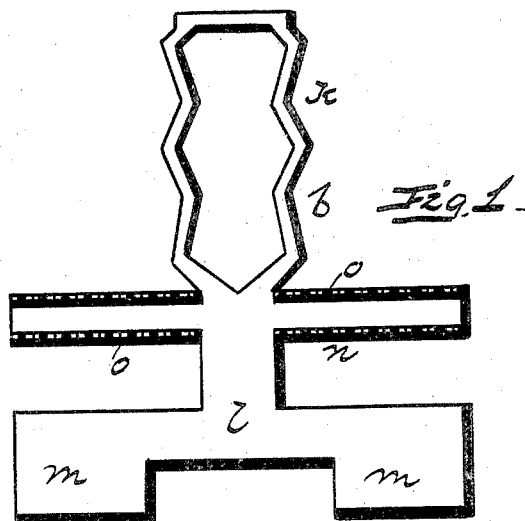
(No Model.)

2 Sheets—Sheet 1.

W. F. ANTHONY.
BACK BAND BUCKLE.

No. 493,744.

Patented Mar. 21, 1893.



WITNESSES

Jas B Clarke

M. M. Morris

INVENTOR.

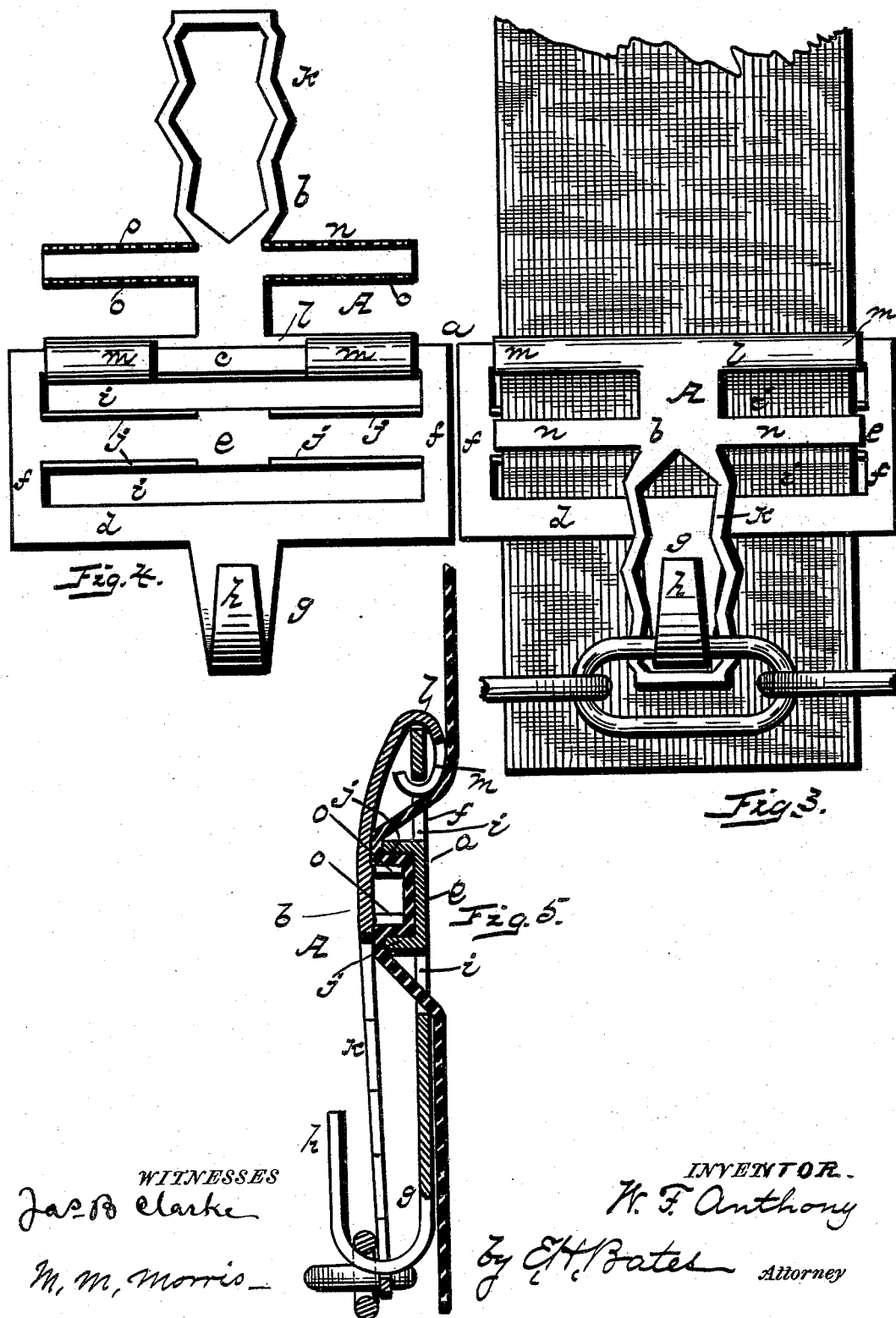
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UNITED STATES PATENT OFFICE.

WALTER F. ANTHONY, OF WILLIAMSPORT, PENNSYLVANIA.

BACK-BAND BUCKLE.

SPECIFICATION forming part of Letters Patent No. 493,744, dated March 21, 1893.

Application filed December 3, 1892. Serial No. 453,906. (No model.)

To all whom it may concern:

Be it known that I, WALTER F. ANTHONY, a citizen of the United States, residing at Williamsport, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Back-Band Buckles; 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.

This invention has relation to improvements in back band buckles of the class having a supporting hook for suspending a trace of a harness; and it consists in the construction and novel combination of parts of which it is composed, whereby the buckle firmly grasps a back band, supports a trace and is prevented from slipping or accidental displacement, all as will be hereinafter fully explained and particularly pointed out in the appended claims.

The annexed drawings to which reference is made, fully illustrate my invention, in which—

Figure 1, represents a rear view of the hinged plate detached from the buckle. Fig. 2, is a face view of the buckle frame, detached from the hinged plate. Fig. 3, is a plan view of the buckle, showing the same closed. Fig. 4 is also a plan view of the buckle showing the hinged plate thrown up or open and Fig. 5, is a vertical longitudinal sectional view of the device applied to a back band.

Referring by letter to the accompanying drawings A, designates the back band buckle, consisting of two parts *a* and *b*. The portion *a* consists of a skeleton frame, comprising the outer longitudinal bars *c* and *d*; an inner bar *e* and all connected by two end bars *f*, *f*, and a depending piece *g* forming a hook *h*, the whole being integral, and between these outer end bars and intermediate bar are longitudinal slots *i*, *i*, designed for the passage of a back band. This central bar is provided with outwardly extended flanges *j*, which are bent at right angles to said bar and forms a part thereof. The portion *b*, consists of a loop or handle *k*, and a cross bar *l*; eyes or hinges *m* adapted to be connected to the upper longitudinal bar of the buckle frame, thus hinging the two portions to one another as shown in

Figs. 3 and 4 of the drawings. This portion *b* is also provided with a cross bar *n* arranged between the loop and bar *l* and the same is provided with teeth *o* that are bent at right angles to said bar *n* and are designed to grasp or bite the back band when the buckle is fastened thereto. The loop serves the double purpose of a handle for the hinged portion and for locking the two parts together; the same, when in a closed position permits the hook to enter the loop and the trace upon said hook prevents the loop from outward movement or accidental displacement.

It will be seen by reference to the annexed drawings and the above description that my back band buckle comprises two parts only; the one being hinged to the other and can be readily cast or stamped out of sheet metal and that the central longitudinal bar of the buckle frame with its side flanges is wider than the toothed bar on the hinged portion; the teeth, when the hinged portion is closed, resting between the flanges of the bar *e*, and firmly holding the back band in place; the teeth being placed upon the bar *n* so that when the buckle is open for adjustment the back band or web can be drawn in either direction, up or down through the slots in the buckle frame without being caught or engaged by the teeth aforesaid, thus permitting a free movement of the band in adjusting the buckle thereto, and the teeth is protected and prevented from being drawn either up or down by the flanges on the central cross bar of the frame *a*, and by such construction the web or back band has an indirect passage or lies in a zigzag position between the two bars *n* and *e* and cannot be removed from the buckle until the hinged portion is raised and it is simple in construction easily and quickly adjusted, and it is durable as well as ornamental and at the same time cheap to manufacture.

I do not wish to confine myself to the exact construction of my device herein shown as various changes may be made in its construction without departing from the spirit of my invention, for instance teeth may be formed on the central bar of the frame; this would give a double bite or grip to the web or back band.

Having thus described my invention, what

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

5 The combination with the portion *a* consisting of a skeleton frame struck up or formed from suitable metal and comprising the outer longitudinal bars *c* and *d*, the latter being provided with the centrally disposed depending integral piece *g* forming the hook *h*, and the longitudinal inner bar *e* provided with out-
10 wardly extended flanges *j j* and a centrally disposed unflanged portion and the integral end-bars *ff* connecting the longitudinal outer and inner bars of said frame, of the portion *b* having a longitudinal bar provided with half-

hinges *m m* for engaging the longitudinal outer bar *c* of the skeleton frame or portion *a* provided with the integral cross-bar *n* having parallel rows of teeth *o* bent at right angles to said cross-bar *n* and the loop or handle *k* adapted to be closed over the hook *h* on the depending piece *g* of said frame *a*, substantially as and for the purposes specified.

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

WALTER F. ANTHONY.

Witnesses:

SHERMAN F. SMITH,
T. H. HAMMOND.