N. H. WILLIAMSON.

BACK BAND HOOK.

APPLICATION FILED NOV. 7, 1913.

1,105,945. Patented Aug. 4, 1914.

Fig. 1

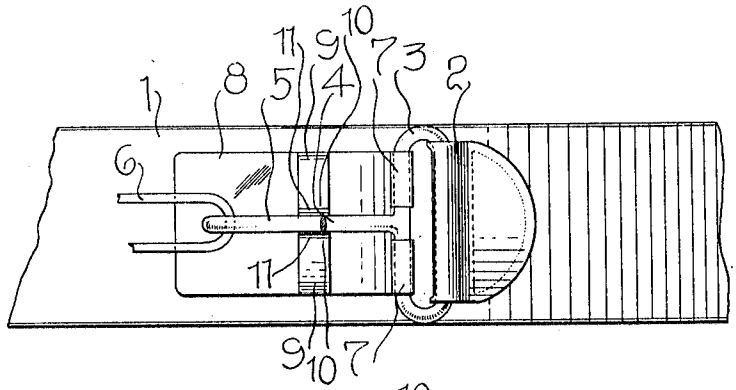


Fig. 2

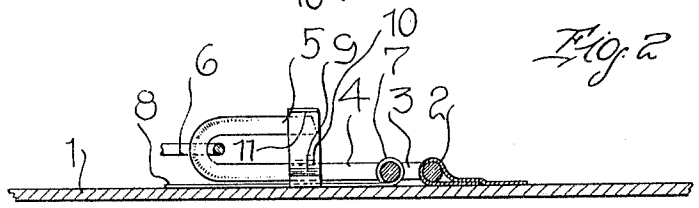
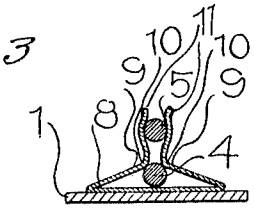


Fig. 3



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UNITED STATES PATENT OFFICE.

NEWTON H. WILLIAMSON, OF GREENFIELD, TENNESSEE, ASSIGNOR OF ONE-HALF TO PETER B. MOSELEY, OF GREENFIELD, TENNESSEE.

BACK-BAND HOOK.

1,105,945. Specification of Letters Patent. Patented Aug. 4, 1914.

Application filed November 7, 1913. Serial No. 799,760.

To all whom it may concern:

Be it known that I, NEWTON H. WILLIAMSON, a citizen of the United States, residing at Greenfield, in the county of Weakley and State of Tennessee, have invented certain new and useful Improvements in Back-Band Hooks, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to new and useful improvements in buckles or the like and more particularly to a back band hook for use in connection with harness and the primary object of the invention is to provide a device which is simple and durable in construction, inexpensive to manufacture and one which will be very efficient and useful in operation.

A still further object of the invention resides in providing a device which is formed of few and simple parts which may be quickly and readily applied one to the other in the application of the device to use.

With these and other objects in view, the invention consists in the novel features of construction, combination and arrangement of parts as will be hereinafter referred to and more particularly pointed out in the specification and claims.

In the accompanying drawing forming a part of this application, Figure 1 is a plan view of a device constructed in accordance with my invention. Fig. 2 is a longitudinal section therethrough; and Fig. 3 is a transverse section through the same.

In describing my invention, I shall refer to the drawing in which similar reference characters designate corresponding parts throughout the several views and in which 1 indicates a back band strap of the usual or any preferred design having a loop 2 formed or otherwise secured thereon. My improved device comprises a closed elongated loop 3 which is suitably engaged with the loop 2 on the band and formed centrally on one portion of the loop 3, is a shank 4, the outer end of which is curved to form a hook 5 for the engagement of a flexible member 6, such as a chain or the like.

The one section or portion of the closed loop 3, on which the shank 4 is formed, is pivotally received in spaced knuckles 7 which are formed on one end of a plate 8, the latter being of any desired size and adapted to rest on the strap or band 1. Formed on the side edges of the plate 8, at points adjacent the end having the knuckles formed thereon are the tongues 9 which are bent inwardly toward one another over the top face of the plate and the free ends of the same are bent upwardly in spaced relation to one another to form the spring locking lugs 10. These locking lugs have the extreme free ends thereof bent outwardly, as shown at 11, to readily receive the shank 4 therebetween and the portions of the lugs 10 immediately below the extreme free ends of the same are bent inwardly toward one another to form a reduced space therebetween and this obviously affords a spring locking means for the shank with the hook thereon. The free end of the hook 5 is also received between the upper edges of the lugs 10 and thus said lugs form a closing means for the open end of the hook when a member is engaged with the latter.

By drawing upwardly upon the hook, the shank may be released from its engagement with the spring locking lugs 10 and the flexible member thus disengaged from the hook. It will be seen that the engagement of the locking lugs with the shank and hook member thereon is such as to prevent the casual disengagement of said shank and hook member when the device is in use.

From the foregoing description of the construction of my improved device, the manner of applying the same to use will be readily understood and it will be seen that I have provided a device which is simple and durable in construction, inexpensive to manufacture and one which will be very efficient and useful in operation.

While I have particularly described the elements best adapted to perform the functions set forth, it is obvious that various changes in form, proportion and in the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the principles of the invention.

Having thus described this invention, what I claim is:—

1. A device of the class described comprising a loop, a shank extending laterally from one arm of said loop, a plate having spaced knuckles pivotally connected to said arm of the loop on opposite sides of the shank, said shank being adapted to rest upon the plate and having its free end bent to form a hook,

said plate carrying spring locking tongues for locking engagement with the shank and the free end of said hook.

2. A device of the class described comprising a loop, a shank extending laterally from one arm of said loop, a plate having spaced knuckles pivotally connected to said arm of the loop on opposite sides of the shank, said shank being adapted to rest upon the plate and having its free end bent to form a hook, said plate having inwardly extending spring locking tongues formed on the side edges thereof for locking engagement with the shank, and the free ends of said locking tongues being disposed upwardly for engagement with the free end of said hook to close the open end of the hook.

3. A device of the class described comprising a plate, a loop hinged to one end thereof, a shank formed on said loop to extend longitudinally of the plate and bear against the same, the free end of said shank being designed to form a hook, inwardly extending spring locking tongues formed on the side edges of said plate and adapted to bear against said shank, said tongues having upwardly extending portions adapted to engage the free end of the hook member.

4. A device of the class described comprising a plate, a loop hinged to one end thereof, a shank formed on said loop to extend longitudinally of the plate and rest against the same, the free end of the shank being designed to form a hook, and inwardly extending spring locking tongues formed on the side edges of the plate, said tongues bearing against said shank, the tongues having upwardly bent portions in spaced relation to one another to form locking lugs to receive the free end of said hook, said locking lugs also closing the open end of said hook, as and for the purpose described.

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

NEWTON H. WILLIAMSON.

Witnesses:

J. E. ALLEN,

J. E. BROCK.

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