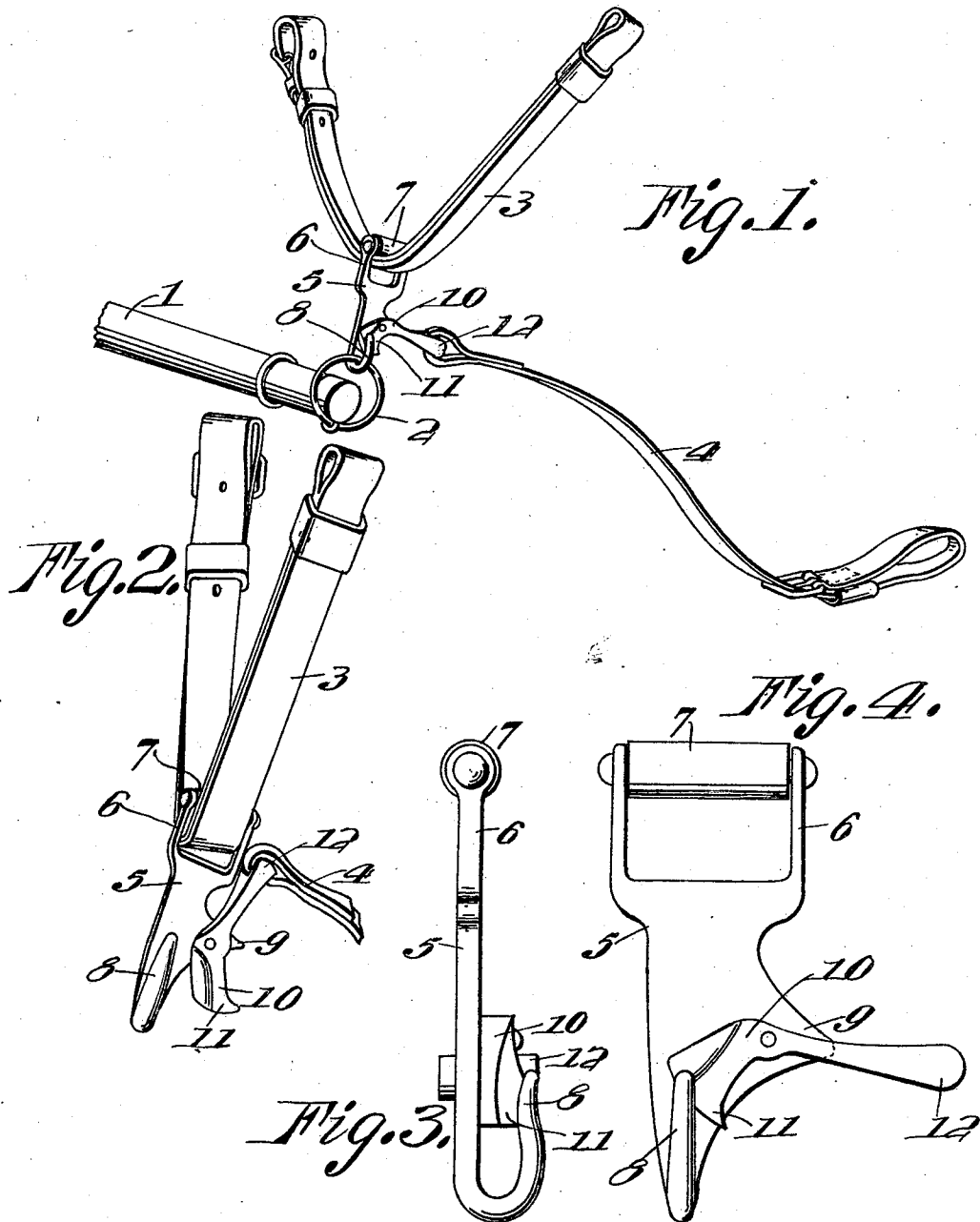


H. S. BURNETT.
 COMBINED SNAP HOOK AND CHOKE STRAP CONNECTION.
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UNITED STATES PATENT OFFICE.

HENRY S. BURNETT, OF LISBON, OHIO.

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Specification of Letters Patent. Patented Sept. 14, 1909.

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To all whom it may concern:

Be it known that I, HENRY S. BURNETT, a citizen of the United States, residing at Lisbon, in the county of Columbiana and State of Ohio, have invented certain new and useful Improvements in Combined Snap-Hooks and Choke-Strap Connections; and I do 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 relates to improvements in snap hooks.

One object of the invention is to provide a combined snap hook and choke strap connection by means of which a breast strap may be quickly and easily engaged with and disengaged from the neck yoke ring.

Another object is to provide a snap hook of this character by means of which the breast strap and the choke strap are simultaneously connected with the neck yoke ring and whereby when the snap hook is connected with the neck yoke ring, said hook will be held against casual disengagement from the ring by the choke strap.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings: Figure 1, is a perspective view of a portion of a neck yoke showing the application of my improved snap hook to connect the breast strap and the choke strap to the yoke. Fig. 2, is a perspective view of the breast strap and the choke strap, showing the hook applied thereto and in an inoperative or released position. Fig. 3, is an enlarged front edge view of the snap hook with the guard in closed position, and, Fig. 4, is an enlarged side view of the same.

Referring more particularly to the drawings, 1 denotes the breast yoke, 2 denotes the breast strap connecting ring; 3 denotes the breast strap; and 4 denotes the choke strap. These parts may be of the usual or any suitable construction.

My improved snap hook and choke strap connection comprises a body portion 5, the upper end of which is constructed in the form of a bail 6, in which is revolubly mounted an antifriction roller 7, adapted to

be engaged by the breast strap which is passed through the bail 6, as shown. On the lower end of the body portion 5, of the hook is formed an upwardly projecting bill 8, which is adapted to be hooked into the breast yoke ring 2, as shown.

Formed on the rear edge of the body portion 5, of the hook is a V-shaped extension 9, on which is pivotally mounted a guard 10, on the outer end of which is a bill engaging cam shaped enlargement 11, which, when the guard is in an operative position, lies in and closes the space between the upper end of the bill and the adjacent side of the body portion, thereby preventing the casual disengagement of the ring 2, from the bill of the hook. On the opposite end of the guard is formed a bail 12, in which is secured the outer end of the choke strap 4. By thus connecting the choke strap with the inner end of the guard, the weight and pull of the strap 4, will swing the guard 10, to an operative position to cause the cam-shaped enlargement 11, to close the space between the bill 8, and the adjacent side of the body portion 5, of the hook, thus preventing the neck yoke ring from becoming disengaged from the bill of the hook and by thus securing the choke strap to the snap hook, the choke strap will be connected with the neck yoke ring at the same time that the breast strap is connected to the breast yoke ring, thus saving the time and labor usually required when the breast strap and the choke strap are separately connected to the breast yoke ring.

By means of a snap hook constructed as herein shown and described, the necessity of springs for holding the guard in position is entirely dispensed with and the parts will not readily become frozen in cold weather or otherwise stuck or held against operation and the guard may be readily swung to the released position by simply lifting the outer end of the choke strap to permit the hook to be disengaged from the neck yoke ring and when the bill is engaged in the ring for use, the guard will be automatically swung to a closed position by the weight of the choke strap.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion

and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention, as defined in the appended
5 claims.

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

1. In a snap hook of the character described, a body portion, means whereby said
10 body portion is secured to a strap, a bill formed on one end of said body portion, a guard pivotally connected to said body portion, a cam head on said guard adapted to be
15 swung between the bill and the adjacent side of the body portion of the hook, and means on the opposite end of the guard to connect a strap thereto, whereby the weight of the strap will swing the guard into operative engagement with the bill of the hook.

20 2. In a snap hook of the character de-

scribed, a body portion having on one end a bail, an antifriction roller mounted in said bail, a bill formed on the opposite end of the body portion, a bearing extension formed on one edge of the latter, a guard pivotally
25 mounted on said extension, a cam head on one end of said guard, a choke strap connecting bail on the opposite end of the guard whereby the latter is operative by the weight of the choke strap to swing the cam
30 head into operative position to close the bill of the hook.

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

HENRY S. BURNETT.

Witnesses:

B. F. HENNACY,
J. A. GILMORE.