G. A. BLAIN.

PACK CARRIER.

APPLICATION FILED DEC. 17, 1914.

1,156,878.

Patented Oct. 19, 1915.

Fig. 6

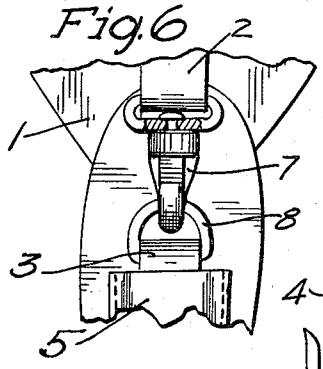



Fig. 3

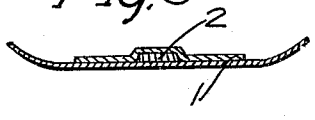



Fig. 5

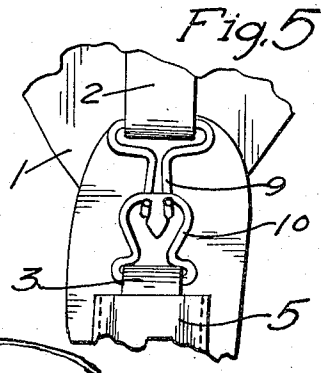



Fig. 4

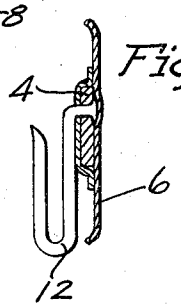



Fig. 2

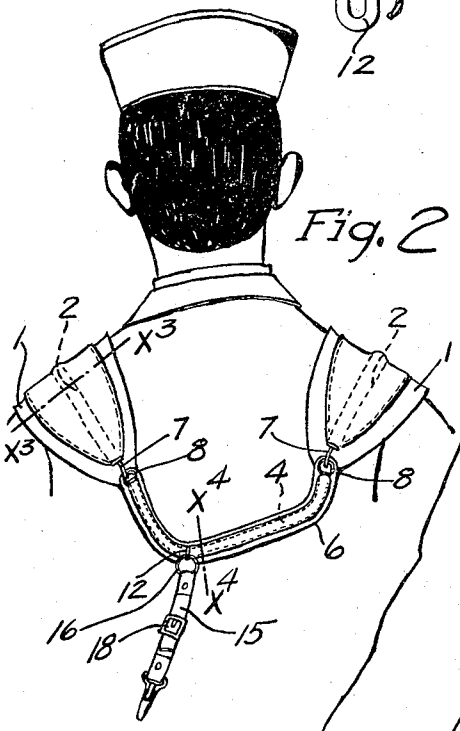



Fig. 1




WITNESSES

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# UNITED STATES PATENT OFFICE.

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## PACK-CARRIER.

1,156,878. Specification of Letters Patent. Patented Oct. 19, 1915.

Application filed December 17, 1914. Serial No. 877,675.

*To all whom it may concern:*

Be it known that I, GEORGE A. BLAIN, a citizen of the United States of America, residing at Long Lake, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Pack-Carriers; 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.

My invention has for its object to provide an improved pack carrier, intended for general use, but especially adapted for mail carriers in supporting their mail sacks.

To the above end, generally stated, the invention consists of the novel devices and combinations of devices herein after described and defined in the claims.

In the accompanying drawings, which illustrate the invention, like characters indicate like parts, throughout the several views. Referring to the drawings: Figure 1 is a perspective view of the invention, supporting a mail bag and applied to a man, wearing the uniform of a mail carrier; Fig. 2 is a rear elevation of the invention, as shown in Fig. 1, some parts being removed; Fig. 3 is a detail view in transverse section taken on the line $X^3$ $X^3$ of Fig. 2, on an enlarged scale; Fig. 4, is a detail view partly in side elevation and partly in transverse section, taken on the line $X^4$ $X^4$ of Fig. 2, on an enlarged scale; and Figs. 5, and 6, are fragmentary views, on an enlarged scale, showing the preferred method of detachably connecting the arms of the so-called yokes, to the shoulder saddles.

The numeral 1 indicates a pair of wide shoulder saddles, as shown, made up of two plies of leather, sewed together, the lower ply being considerably wider than the upper ply and having its longitudinal edges rolled upward to afford smooth surfaces to reduce the wear on the clothing of the person to whom the shoulder saddles are applied. Extending longitudinally between the plies of each shoulder saddle 1, is a reinforcing strap 2.

Front and rear yokes 3 and 4, secured in casings 5 and 6, respectively, are supported from the shoulder saddles 1. As shown, each of these yokes is in the form of a metal strap bent to proper shape. The lower sections of the casings 5 and 6 are considerably wider than the upper sections thereof and the longitudinal edges of said lower sections are rolled upward for the same purpose that the longitudinal edges of the shoulder saddles 1 are rolled. It is important to note that the two arms of each yoke are of different lengths and the arms of the one yoke are in reverse order of the arms of the other yoke.

The free ends of the arms of the yokes 3 and 4, are flexibly and detachably connected to the shoulder saddles 1. Coöperating snaps 7 and rings 8 are provided, for connecting the rear yoke 4 to shoulder saddles 1 and the long arm of the front yoke 5 to the right hand shoulder saddle 1. These snaps 7 and rings 8 are preferably of the type illustrated in Fig. 6, wherein the said snaps have swiveled eyes connected to the respective loop ends of the reinforcing straps 2, and the rings 8 are connected to the respective loop ends of the yokes 3 and 4. Cooperating separable elements 9 and 10, of the well known type shown in Fig. 5, are provided for detachably connecting the long arm of the front yoke 3, to the right hand shoulder saddle 1. In removing the pack carrier from a person the same is preferably separated at the elements 9 and 10, for the reason that they are more easily operated than the snaps and rings 7 and 8. On the transverse portion of the front yoke 3, is secured a plurality of laterally spaced hooks 11. A single hook 12, is secured to the rear yoke 4 at the junction of the long arm of said yoke with the transverse portion thereof. The purpose of these hooks 11 and 12, is to support a pack from the carrier. In the drawings, is illustrated a mail bag 13, in which the load or pack is carried. This bag is of well known construction and at each upper corner thereof is secured a ring 14. The bag 13 may be supported directly from the yokes 3 and 4 by hanging the rings 14 on the hooks 11 and 12, but preferably hanger straps 15 are provided for supporting the pack or bag 13 from said yokes. On the upper ends of the hanger straps 15 are rings 16 adapted to be hung on the hooks 11 and 12, and on the lower ends of said straps are snaps 17 for interlocking engagement with the rings 14. As shown, the hanger straps 15 are made in sections connected by buckles 18, for the purpose of longitudinally adjusting said straps.

By making the yokes 3 and 4 with relative long and short arms, in reverse order, said

yokes are held in such a manner as to support the mail bag 13, in a convenient position, as shown in Fig. 1, where the contents of the bag, may be reached with either hand. The longitudinally adjustable hanger straps 15 permit the mail bag 13 to be raised or lowered, with respect to the yokes 3 and 4, to bring the same into a convenient elevation. Obviously the mail bag 13 may be readily detached from the carrier by lifting either of the rings 14 or 16 from the hooks 11 and 12, as the case may be.

The purpose of providing the front yoke 3, with a plurality of hooks 11, is to so support the mail bag 13, that the greater part of the load may be carried on one shoulder or may be equally distributed on both shoulders. In the drawings, the front hanger strap 15 is attached to the hook 11, nearest the left shoulder, thereby bringing the greater part of the load on the left strap 15 to the intermediate hook 11, the shoulder. By shifting the front hanger load will be substantially equal on each shoulder, or if said hanger strap 15 is shifted to the hook 11, at the right side portion of the yoke 3, the load will be shifted to the right shoulder.

From the foregoing description it is evident that by the use of the improved pack carrier, a relatively heavy load may be carried with comparative ease.

What I claim is:

1. A pack carrier, comprising shoulder saddles, front and rear rigid yokes connecting said shoulder saddles and holding the same properly spaced, and means for supporting a pack from said yokes.

2. A pack carrier, comprising shoulder saddles, front and rear rigid yokes, connecting said shoulder saddles and holding the same properly spaced, and means for supporting a pack from said yokes, one of the arms, of one of said yokes, being detachably secured to the respective shoulder saddle.

3. A pack carrier, comprising shoulder saddles, front and rear rigid yokes connecting said shoulder saddles, and means for supporting a pack from said yokes, in a manner to permit the weight of the pack to be shifted in respect to said shoulder saddles.

4. A pack carrier, comprising shoulder saddles, front and rear rigid yokes, means flexibly connecting the arms of said yokes to the said shoulder saddles, and means for supporting a pack from said yokes.

5. A pack carrier, comprising shoulder saddles, front and rear yokes having relatively long and relatively short arms, means flexibly connecting the arms of said yokes to said shoulder saddles, and means for supporting a pack from said yokes, the means for supporting the pack from one of said yokes being adjustable thereon, for the purpose of shifting the weight of the pack with respect to the shoulder saddles.

6. A pack carrier, comprising shoulder saddles, front and rear yokes having relatively long and relatively short arms, means flexibly connecting the arms of said yokes to said shoulder saddles, a pack supporting element on said rear yoke, and a plurality of longitudinally spaced pack supporting elements on said front yoke.

7. A pack carrier, comprising shoulder saddles, front and rear yokes having relatively long and relatively short arms, flexible means connecting the arms of said yokes to said shoulder saddles, and pack supporting hanger straps secured to said yokes.

8. A pack carrier, comprising shoulder saddles, front and rear yokes having relatively long and relatively short arms, flexible means connecting the arms of said yokes to said shoulder saddles, and pack supporting hanger straps secured to said yokes, said hanger straps being longitudinally adjustable.

9. A pack carrier, comprising shoulder saddles, front and rear yokes having relatively long and relatively short arms, flexible means connecting the arms of said yokes, to said shoulder saddles, and pack supporting hanger straps secured to said yokes, the hanger strap on said front yoke being secured thereto for longitudinal adjustment thereon.

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

GEORGE A. BLAIN.

Witnesses:
J. C. IVERSON,
HARRY D. KILGORE.

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