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G. E. BUSHEY  
PACK CARRIER

2,456,253

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3 Sheets-Sheet 1

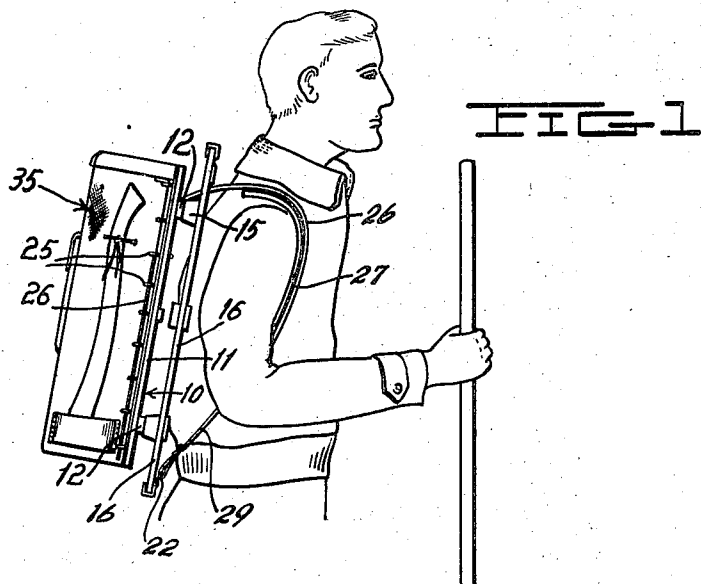
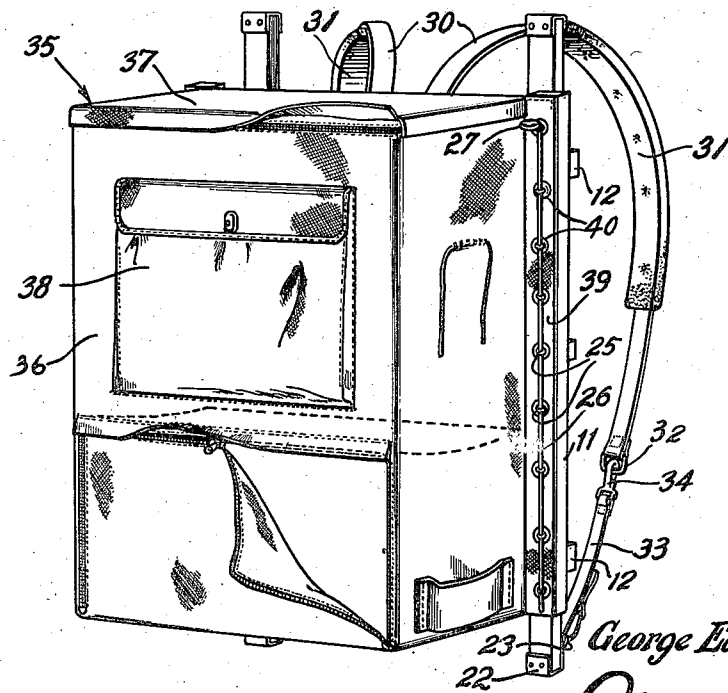


FIG. 2



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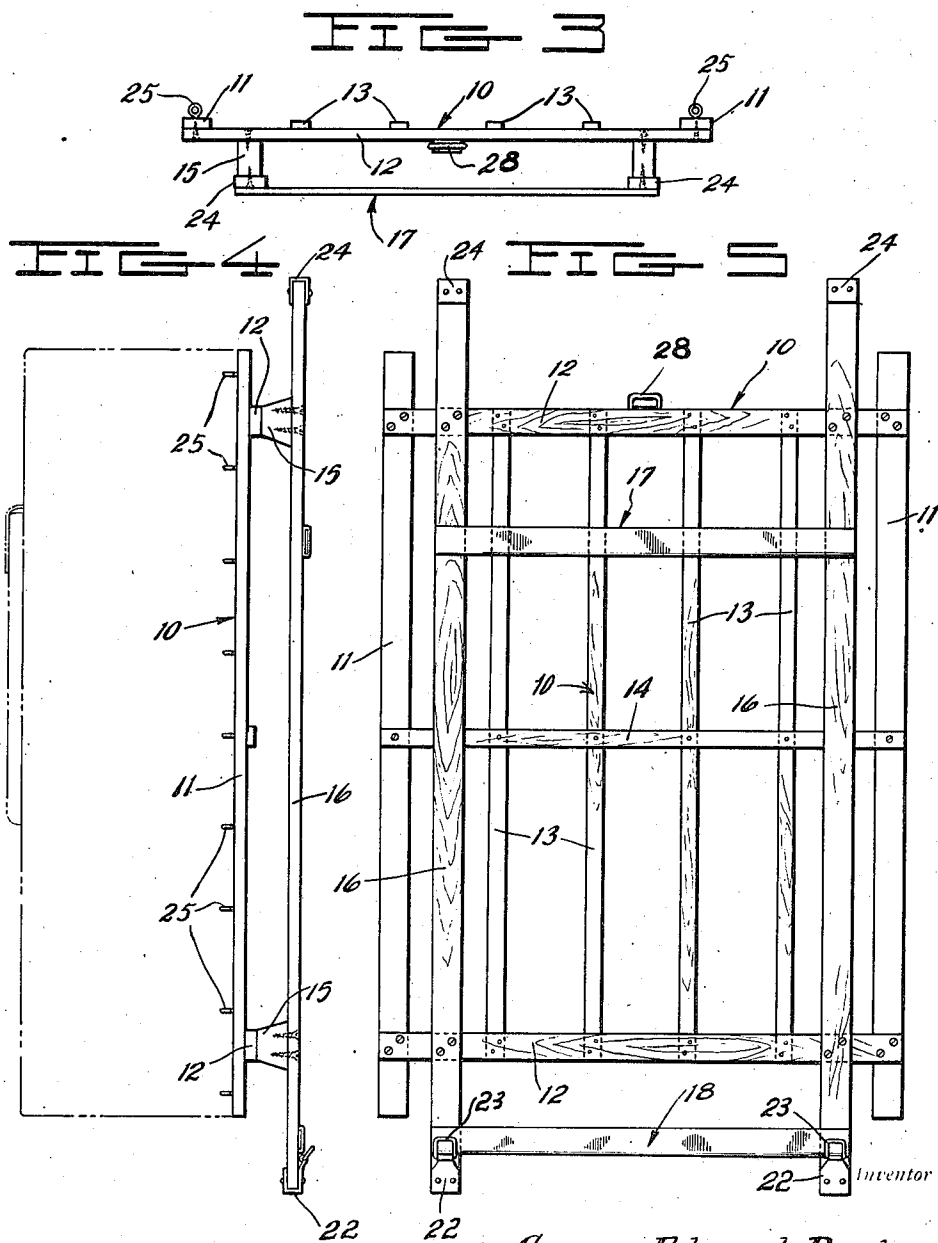
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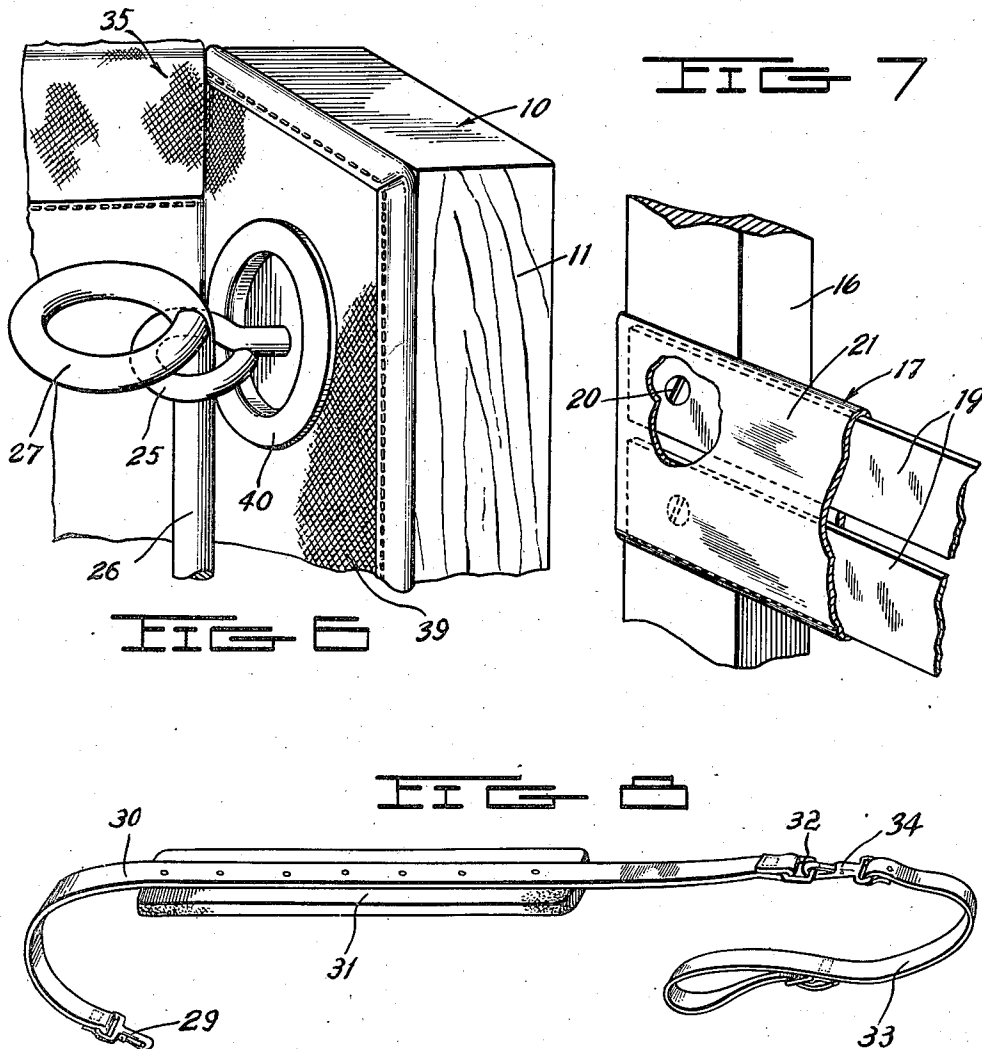
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PACK CARRIER

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## UNITED STATES PATENT OFFICE

2,456,253

## PACK CARRIER

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Application July 18, 1946, Serial No. 684,484

1 Claim. (Cl. 224—25.1)

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This invention relates to a pack carrier and more particularly to a device for use by woodsmen, huntsmen, hikers, and others who for various reasons find it advantageous to carry packs.

The primary object of the invention is to provide ventilation across the back of the user and thereby contribute to his comfort and well-being.

A further object is to detachably secure a pack to the pack carrier, so that packs containing different articles may be interchangeably supported on the carrier.

The above and other objects may be attained by employing this invention which embodies among its features an elongated substantially rectangular platform, spaced parallel rails lying in spaced parallel relation to the platform adjacent opposite side edges thereof, bridging straps extending transversely between the rails for engagement with the back of the user and cooperating with the rails in holding the platform spaced from the back of the user, and means on the carrier for embracing the shoulders of the user to support the carrier on the back of the user.

Other features include a row of longitudinally spaced eyes adjacent each side edge of the platform and a bolt adapted to be thrust through each row of eyes removably to attach a pack to the platform.

Still other features include a sack adapted to contain the pack and laterally extending flanges on the sack, each having a row of longitudinally spaced eye receiving openings through which the eyes of the platform are extended in order to hold the sack on the carrier.

In the drawings:

Figure 1 is a side view of a pack carrier embodying the features of this invention,

Figure 2 is an enlarged perspective view of the carrier and the pack,

Figure 3 is an enlarged end view of the carrier,

Figure 4 is a side view of Figure 3,

Figure 5 is a plan view of Figure 3,

Figure 6 is a fragmentary enlarged perspective view showing the pack fastening means in detail,

Figure 7 is a fragmentary enlarged perspective view of one of the side bars of the carrier showing the reinforced back engaging strap in detail, and

Figure 8 is a perspective view of a shoulder strap and its connecting devices.

Referring to the drawings in detail, my improved pack carrier, best illustrated in Figures 3 to 5 inclusive, comprises a platform designated generally 10 formed of spaced parallel side bars 11 held in spaced parallel relation by end bars 12 which extend transversely between the bars

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11 and form supporting elements for the longitudinally extending spaced parallel slats 13 forming the base element of the platform. A reinforcing transversely extending bar 14 is attached to the side bars 11 intermediate their ends and to the slats 13 in order to lend rigidity to the latter.

Secured to the transversely extending bars 12 inwardly of the side bars 11 are spacers 15 supporting at their outer ends spaced parallel side rails 16 which as illustrated in Figure 4 lie in spaced parallel relation to the platform 10. Extending transversely between the longitudinally extending rails 16 are top and bottom back engaging straps designated respectively 17 and 18. Each of these straps comprises a pair of spaced parallel metallic strips 19 preferably formed of spring steel which are attached to the opposite side rails 16 by means of fasteners 20 such as screws. Encasing the strips 19 is a leather jacket 21 which serves as a cushion against the back of the user. As illustrated, the strap 17 is spaced from the upper ends of the rails 16, while the strap 18 is adjacent the lower ends thereof. Embracing the lower ends of the rails 16 adjacent the strap 18 are metal straps 22 carrying pivoted loops 23, the purpose of which will be more fully hereinafter explained. Metal guard straps 24 embrace the upper ends of the side rails 16 to serve as a protection against damage.

Secured to the side bars 11 of the platform 10 and extending outwardly therefrom in a direction opposite the spacers 15 are rows of longitudinally spaced eyes 25 through which are adapted to be thrust longitudinally extending bolts 26 (Figures 2 and 6), each of which is provided at its upper end with an angularly extending finger loop 27 by means of which it may be introduced into the eyes or extracted therefrom.

In order to hold the platform in proper position on the back of the user, the topmost cross bar 12 of the platform 10 is provided with a substantially U-shaped loop 28 which may be attached thereto in any suitable manner, and entering said loop 28 are snap hooks 29 of a pair of shoulder embracing straps, one of which is best illustrated in Figure 8 and designated 30. Each strap 30 is provided with a shoulder pad 31, and carries at the end opposite the snap hook 29 a metal loop 32 which is adapted to be detachably connected to a strap 33 through the medium of a snap hook 34, which strap 33 is adjustably connected to one of the loops 23 as illustrated in Figure 2. With each strap 33 connected to its respective loop 23 and in turn connected by its respective snap hook 34 to its respective shoulder

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strap 30 it will be obvious that the pack may be supported on the back of the user as illustrated in Figure 1.

The pack designated generally 35 comprises a bag 36 provided with a conventional cover 37 and pocket 38. The bag is provided at its back wall with outstanding flanges 39 each of which is pierced at longitudinally spaced intervals to receive the eyes 25 previously referred to. The openings in the flanges receive bushings or grommets 40 which serve to protect the fabric of the flanges from injury when attaching the pack to the platform or detaching it therefrom.

In use it will be understood that when a pack is to be attached to the platform, the bolts 26 are extracted from the eyes 25 by exerting pull on the finger loops 27 and the pack is applied to the platform by projecting the eyes 25 through the grommets 40, after which the bolts are replaced, thus effectively locking the pack in place on the platform. The platform and pack are then elevated to the desired position on the back of the user with the straps 30 extending over the shoulders as illustrated in Figure 1 and the side rails 16 lying on the back of the user at opposite sides while the straps 17 and 18 lie respectively across the shoulders and in the general vicinity of the waist line. In this way, the platform and pack will be supported in spaced relation to the back of the user, thus providing ventilation and adding materially to his comfort.

While in the foregoing there has been shown and described the preferred embodiment of this invention it is to be understood that minor

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changes in the details of construction, combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

What I claim is:

A pack carrier comprising a pair of spaced parallel side bars, spaced parallel end bars fixed at their ends to the side bars adjacent opposite ends thereof, spaced parallel slats fixed at opposite ends to the end bars and forming with the side bars a pack supporting platform, a longitudinal row of longitudinally spaced eyes carried by each side bar, said eyes projecting perpendicularly from the plane of the platform, spacers fixed to each end bar inwardly from the side bars, said spacers projecting in a direction opposite the eyes, side rails fixed to the spacers and extending longitudinally in spaced parallel relation to the side bars, spaced parallel cross straps fixed at opposite ends to the sides of the rails opposite the spacers in spaced relation to the ends of the rails and a shoulder strap receiving loop fixed to an end bar midway between the ends thereof.

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