July 15, 1947. D. P. RYAN 2,423,853

HAVERSACK

Filed July 16, 1943

Fig.1.

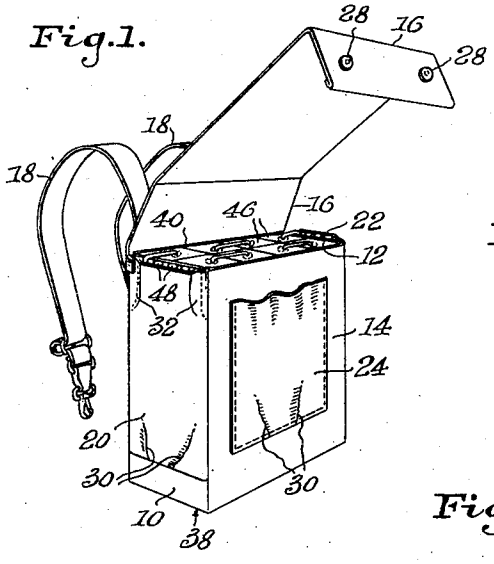


Fig.2.

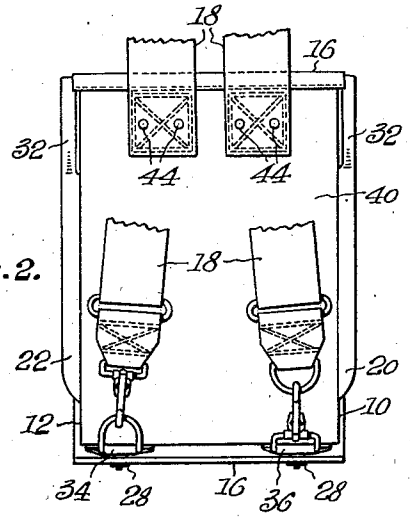


Fig.3.

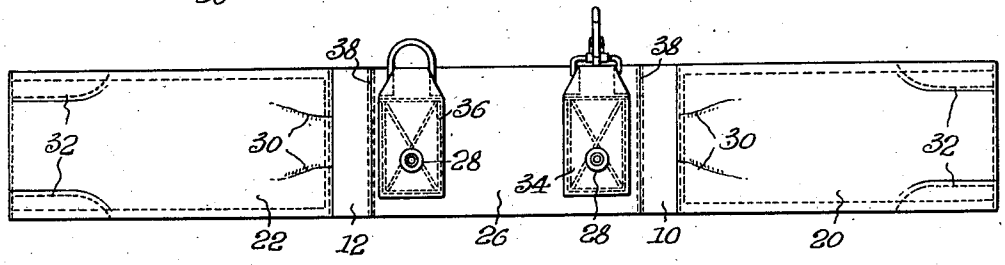


Fig.4.

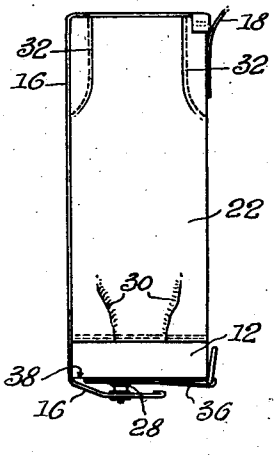
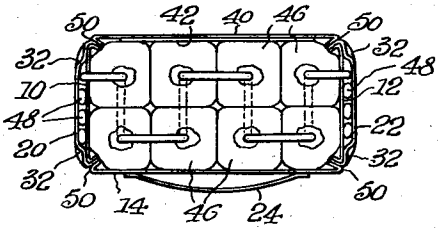


Fig.5.



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UNITED STATES PATENT OFFICE

2,423,853

HAVERSACK

Daniel P. Ryan, United States Army

Application July 16, 1943, Serial No. 495,013

1 Claim. (Cl. 224—8)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

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The invention described herein may be manufactured and used by or for the Government for governmental purposes, without payment to me of any royalty thereon.

This invention relates to haversacks, and more particularly to a haversack designed to carry demolition block charges.

It is the object of this invention to provide a haversack which will be peculiarly adapted to receive demolition block charges, which will be simple and inexpensive to manufacture and which will provide a carrier which will allow packing and transportation of the charges with a minimum of time and effort.

Other objects and advantages of the invention will become apparent upon a consideration of the following detailed description of an embodiment thereof when taken in conjunction with the accompanying drawing, in which—

Fig. 1 is a perspective view of the haversack;

Fig. 2 is a rear view of the haversack;

Fig. 3 is a view showing how the bottom and sides are formed into a single strip of material;

Fig. 4 is a side view of the pack with the cover closed;

Fig. 5 is a plan view of the haversack with the cover removed and the demolition charge in position.

Referring to Fig. 1, it will be seen that there has been provided a pack of substantially rectangular cross-section having sides 10 and 12, a front panel 14, a cover 16, and carrying straps 18. To the sides 10 and 12 are attached shallow pockets 20 and 22, respectively, and to the front panel 14 is attached a similar pocket 24. The cover 16 is secured to the bottom 26 (not shown in this figure) by means of suitable fasteners 28.

The construction of my improved haversack for demolition charges and the like will be clear from a consideration of the remaining figures. Referring particularly to Fig. 3, the side panels 10 and 12 are cut to size and the tops thereof hemmed to eliminate the selvage edge. The side pockets are cut to a somewhat greater width than the panels and are hemmed at the top and sides after which they are sewn to the side panels with two pleats on the bottom as represented by the numerals 30. Along the top sides of the pockets a lapped sewn portion 32 is provided. This construction provides shallow pockets having restricted throats, the utility of which will appear later.

To the bottom 26 are sewn the buckle and ring straps 34 and 36, respectively. Suitable fasteners 28, such as the stud and snap catch fasteners illustrated, are then attached to the bottom, completing its assembly.

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The bottom and sides being thus formed, they are sewn together, preferably by turning the edges under and taking a double stitch through the parallel edges, forming seams 38.

Referring to Figs. 2 and 5, the front and rear panels of suitable size are cut and hemmed along their top edges. To the front panel 14 is sewn the pocket 24 in a fashion similar to the side pockets 20 and 22 except for the lapped portions 32. Adjacent the upper edge of the rear panel 40 a reinforcing strip 42 is sewn and the carrying straps 18 are then sewn to the back. The straps 18 are further secured by rivets 44 passing through the rear panel 40 and the reinforcing strip 42.

The front panel 14, rear panel 40 and side panels 10 and 12 are then sewn together, preferably by folding their edges inwardly and taking a double stitch along the parallel edges, forming seams 50. The lower edges are similarly sewn to the bottom 25.

As will be clear from an inspection of Fig. 4, the cover 16 is cut to a size sufficient to extend from the rear panel 40 over the top of the pack, over the front panel 14 and to the securing members 28 on the bottom. It is of sufficient width, after hemming, to cover the side pockets 20 and 22 and is sewn to the top of the rear panel 40.

The pack being formed as thus described, the block charges 46, together with their interlaced fuse 48 are placed therein. The ends of the fuse 48 are placed in the side pockets 20 and 22 with the end clips in the bottom of the pockets, and the miscellaneous igniting equipment is placed in the front pocket. It will be seen that the restricted throat openings of the side pockets form a holder which will permit the easy insertion of the fuse and yet will firmly retain it in place until such time as it is ready for use. The cover is closed and the pack is then ready for use.

By constructing the pack, with the exception of the carrying straps 18 and the reinforcing strap 42 of lightweight material such as cotton, duck or balloon silk, a lightweight pack is provided which will give ready accessibility to the contents.

The method of construction described eliminates all special sewing equipment, since it is possible, by turning the pack inside out, to make all seams by straight sewing. This factor, together with the minimum use of metallic fasteners and the elimination of all complicated closing means, makes it possible to manufacture such packs in quantity and at minimum cost.

While I have described a particular embodiment of my invention, it is to be understood that I do not wish to be limited to the particular details

and assemblies shown since various modifications within the spirit of the invention will suggest themselves to those skilled in the art.

Having described my invention, what I claim as new and wish to secure by Letters Patent is:

A haversack adapted to contain a series of fuse strung demolition block charges provided with extending fuse terminals and comprising a central rectangular charge casing formed with front, rear, and side panels and a bottom section, a reinforcing strip extending across the upper portion of said rear panel, side pockets attached to the outer surface of said side panels and substantially co-extensive with the area thereof, said side pockets adapted to receive and retain said terminals in longitudinally folded position with the upper folds extending beyond the top of said side pockets, said pockets having portions thereof adjacent the open end secured to said side panels to effect a restricted opening for engaging the folded fuse terminals slightly below the upper folds of said terminals to prevent displacement thereof, pleats provided in the lower portion of said side pockets to permit the lower folds of said terminals to expand therein, a cover flap attached to the upper portion of said rear panel, said cover flap being adapted to extend over the top of said casing, the front panel enclosing the pocket thereon, and the bottom section of said casing, carrying straps attached at their upper ends to said rear panel and said reinforcing strip, and engaging means in connection with said bottom section adapted to releasably engage the cover flap and the lower ends of said carrying straps.

DANIEL P. RYAN.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
33,329	Arrington	Sept. 24, 1861
135,254	Wallis	Jan. 28, 1873
1,182,031	Paquette	May 9, 1916
1,648,565	Primley	Nov. 8, 1927
1,766,604	Cohen	Jan. 24, 1930