

No. 646,622.

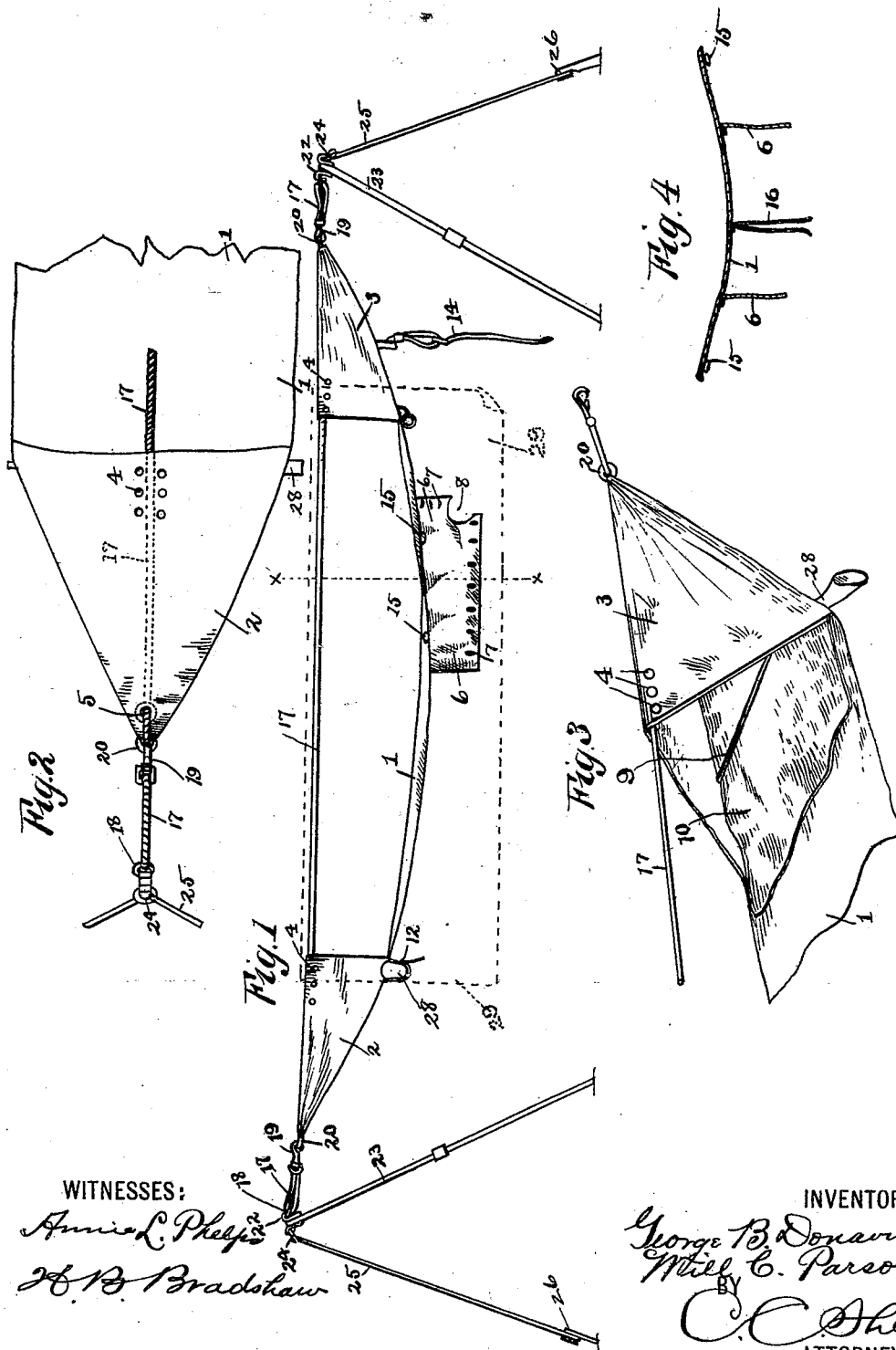
Patented Apr. 3, 1900.

G. B. DONAVIN & W. C. PARSONS.
COMBINED HAMMOCK AND KNAPSACK.

(No Model.)

(Application filed Aug. 11, 1898.)

2 Sheets—Sheet 1.



WITNESSES:

Annie L. Phelps

W. B. Bradshaw

INVENTORS

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By C. C. Shepherd
ATTORNEY

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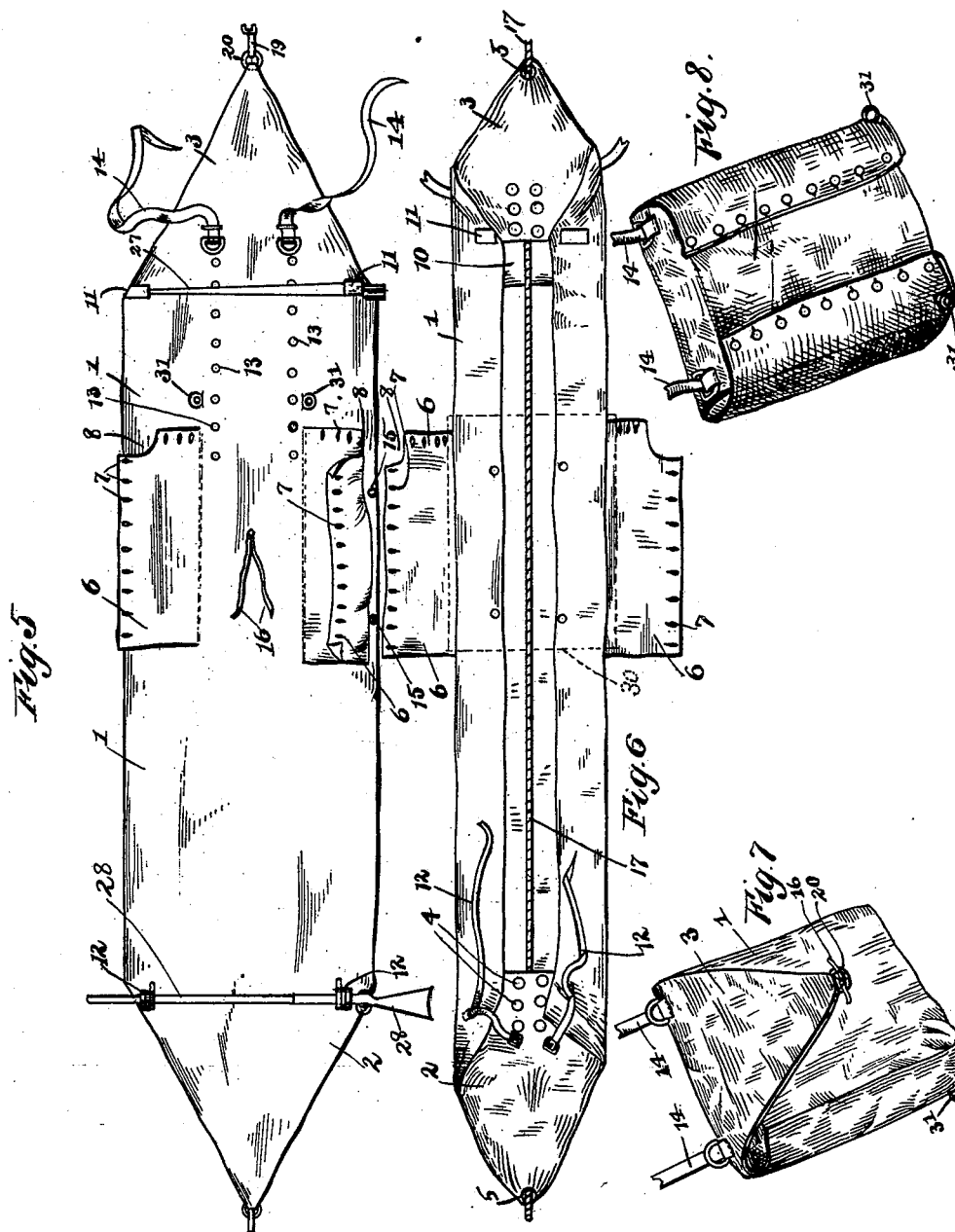
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UNITED STATES PATENT OFFICE.

GEORGE B. DONAVIN AND WILL C. PARSONS, OF COLUMBUS, OHIO.

COMBINED HAMMOCK AND KNAPSACK.

SPECIFICATION forming part of Letters Patent No. 646,622, dated April 3, 1900.

Application filed August 11, 1898. Serial No. 688,364. (No model.)

To all whom it may concern:

Be it known that we, GEORGE B. DONAVIN and WILL C. PARSONS, citizens of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in a Combined Hammock and Knapsack, of which the following is a specification.

Our invention relates to an improvement in combined hammocks and knapsacks of that class which are particularly adapted for the use of soldiers, hunters, &c.

The objects of our invention are to provide a combined hammock and knapsack of improved construction and arrangement of parts; to so construct and arrange the same as to admit of its being readily set up for use as a hammock and of its being readily folded into knapsack form for the purpose of carrying clothing, provisions, &c., and to produce other improvements in details of construction and operation, which will be more fully pointed out hereinafter. These objects we accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of our device, showing the same set up for use as a hammock. Fig. 2 is a partial plan view of the same. Fig. 3 is a detail view in perspective of one end of the hammock. Fig. 4 is a cross-section of the hammock-body on line $x x$ of Fig. 1. Fig. 5 is an under side view of the hammock-body. Fig. 6 is a plan view of the same, showing the sides folded over in position for rolling the device into the knapsack form. Fig. 7 is a detail view in perspective of our improved knapsack and hammock, showing the same folded to the knapsack form; and Fig. 8 is a similar view showing the reversed side of that indicated in Fig. 7.

Similar numerals refer to similar parts throughout the several views.

1 represents the hammock-body, which is formed of an oblong strip of suitable material and the ends of which are shaped to the tapering form indicated. These tapering end portions of the body 1 are, as indicated at 2 and 3, covered to form end hoods. The upper sides of these hoods are provided at desirable intervals with air-inlet openings 4, while the outer ends or points of the same are provided with openings 5.

Depending from the underside of the body 1 and on opposite sides of the center of the width of the latter are oppositely-located flaps 6, the latter being, as indicated, provided on its lower edge portion and adjoining one of its ends with rows of buttonholes 7. For reasons hereinafter stated one of the corners of each of these depending flaps 6 is recessed, as indicated at 8. Within or beneath the head-hood 3 we secure to the body 1 at 9 a pillow cover or apron 10, the latter being adapted to be lifted or raised from said body to receive beneath the same a folded coat or other article which may serve as a pillow. At the junction of the point or hood portion 3 with the parallel sides of the body 1 we provide on the under side of said body oppositely-located loops or keepers 11, while at the junction of the hood portion 2 with the body 1 we provide depending straps 12.

13 represents two parallel rows of buttons, which are sewed or otherwise secured to the under side of the body 1, said rows extending in the direction of the length of said body and being arranged in the head portion thereof. On the under side of the hood portion 3 we secure at suitable oppositely-located points corresponding ends of knapsack-straps 14. As indicated at 15, we may provide the under side of the body 1, opposite each of the flaps 6 and adjacent to the outer edge of the body, with two or more buttons, with which the corresponding number of buttonholes of said flaps may be engaged for the purpose hereinafter set forth. We also cause to depend from the under side of the body 1 at a point between the flaps 6 one or more strings or straps 16.

In utilizing the above-described body as a hammock a supporting ridge-rope 17 passes over the body 1 in the direction of the length thereof and beneath each of the hoods 2 and 3. The end portions of said rope pass through the openings 5 of said hoods. From these openings 5 each of the rope ends extends outwardly in the direction of the length of the hammock and is looped through a ring 18, from which it is returned toward the hammock-body and through the medium of an end hook or snap 19 is engaged with a ring 20, which is secured in the end of the hammock-body. The ring 18 is, as indicated at

22, engaged with one of two oppositely-located hooks or eyes formed on the upper end portion of a rod or standard 23, the lower end of which bears upon the ground, these standards receiving the weight of the hammock and being preferably formed, as indicated in the drawings, of two or more sections which are detachably coupled together. The standards 23, one of which is arranged beyond each end of the hammock-body, are inclined outwardly and are provided on their outer sides at their upper ends with rings 24, with which engage the central portions of stay-ropes 25, the lower ends of the latter being secured to ground-pegs 26 or other suitable points. In order to spread the body of the hammock thus suspended, we have provided the keepers 11 and straps 12, said keepers being adapted to receive the end portions of a bayonet or other convenient device 27 and said straps being adapted to embrace the barrel and stock portions of a gun 28. If desired, a poncho or rubber blanket may be thrown over the ridge-rope, and thus suspended over the body of the hammock in the manner indicated in dotted lines and at 29 in Fig. 1.

In order to convert the above-described hammock-body into a knapsack for the purpose of carrying clothing or other articles, the hammock is detached from the standards 23 and, being laid upon the ground or other surface, its side portions are folded over onto the body in the position indicated in Fig. 6 of the drawings. This having been accomplished and the flaps 6 pulled outward to the positions indicated in said figure, the bundle of clothing or other articles to be carried or packed is laid upon the hammock-body and side flaps in the position indicated in dotted lines at 30. Beginning with the hood end 2, the hammock-body is by successive folds carried to and over the bundle, after which the end portion 3 is turned over and made to embrace the partial package thus formed. Through the medium of the strings 16 the ring in the end of the hood portion 3 is now secured to the front of the package thus formed or to that portion of the body which forms the under side of the hammock. In order to complete the package or knapsack thus formed, the side flaps 6 are now turned inward over the package and the buttonholes thereof made to engage with the buttons 13. In order to facilitate the supporting of the knapsack thus formed on the back or in other positions, we provide the under side of the hammock-body with oppositely-located rings 31, the latter being arranged adjacent to the

lines of buttons 13, as shown in Fig. 5. These rings, when the body is folded into the knapsack form indicated in Figs. 7 and 8, project from two lower corners of the knapsack, and in order to so cause the same to project therefrom as to admit of the passage therethrough of holding-straps we have produced the recesses 8 in the flaps 6, thus preventing the flaps covering said rings. It is obvious that the supporting-standards may be separated into short sections, and, together with the stay-ropes, the same may be bound or otherwise secured to the knapsack-body. In order that a desirable support for shoes or other similar articles may be formed, we have provided the buttons 15 adjacent to the edges of the hammock-body, which when said body is employed as a hammock may be connected with two of the buttonholes of the adjoining flaps, thus providing a pocket or resting-place for the same.

From the construction and manner herein described of utilizing our device it will readily be seen that an article is produced which may be readily converted into either a hammock or knapsack and that the same may be constructed at a low cost of manufacture.

Having now fully described our invention, what we claim, and desire to secure by Letters Patent, is—

1. In a combined hammock and knapsack, the combination with the body 1 of flexible material having hood portions at each end thereof as described and an opening in the outer end of each of said hood portions through which a rope may be passed, of oppositely-located straps 12 and keepers 11 secured to the underside of said hammock-body, parallel rows of buttons 13 on the under side of said body and under side flaps 6 having buttonholes as described therein, substantially as and for the purpose specified.

2. In a combined hammock and knapsack, the combination with the body 1 of flexible material, a hood portion formed as described in each end of said body, means for suspending said body from its ends, and parallel rows of buttons 13 on the under side thereof, of under side flaps 6 provided with buttonholes as described, and straps 14 depending from the under side of one of said hood portions, substantially as and for the purpose specified.

GEORGE B. DONAVIN.
WILL C. PARSONS.

In presence of—
JOSEPH D. POTTER,
C. C. SHEPHERD.