Jan. 3, 1950 W. E. PHARO 2,493,084

COLLAPSIBLE BEACH FISHERMAN'S CHAIR

Filed Feb. 4, 1947 2 Sheets-Sheet 1

FIG. 1.

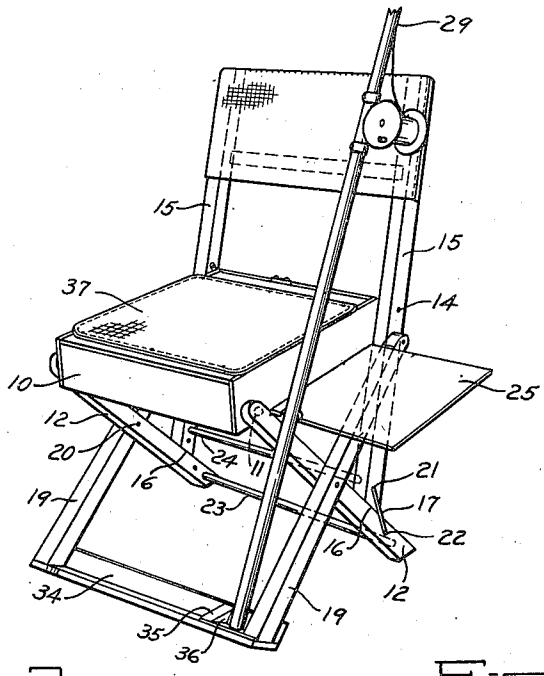


FIG. 2.

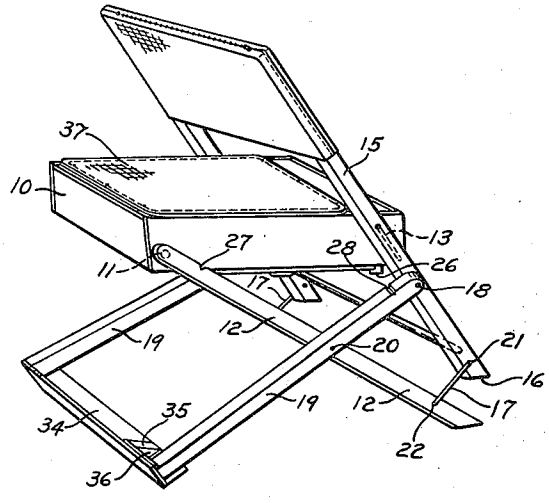
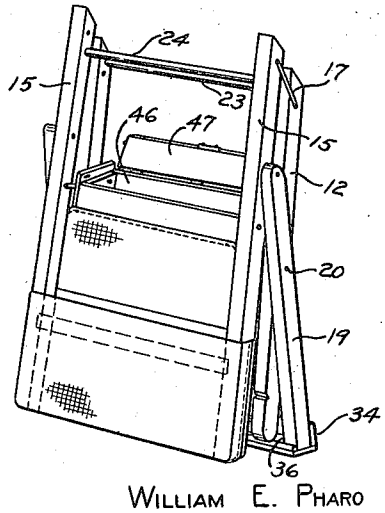


FIG. 3.



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Filed Feb. 4, 1947 2 Sheets-Sheet 2

FIG. 4.

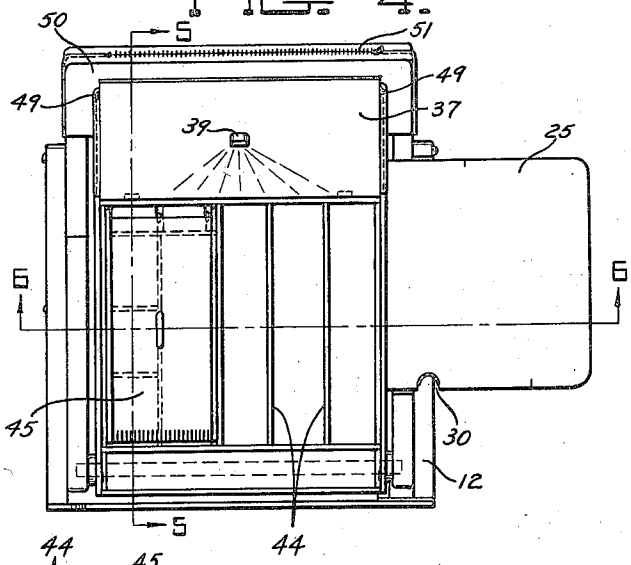


FIG. 5.

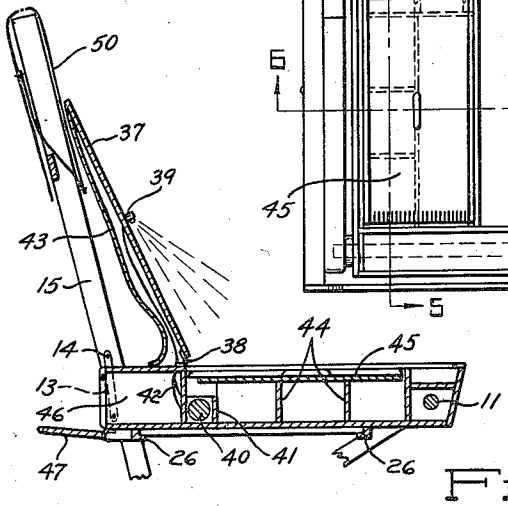


FIG. 6.

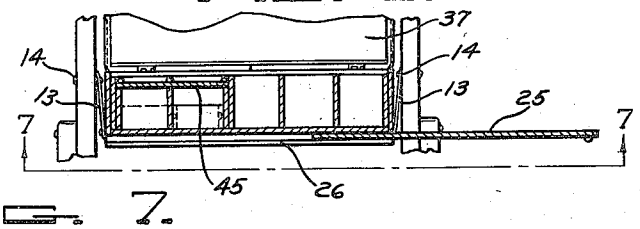
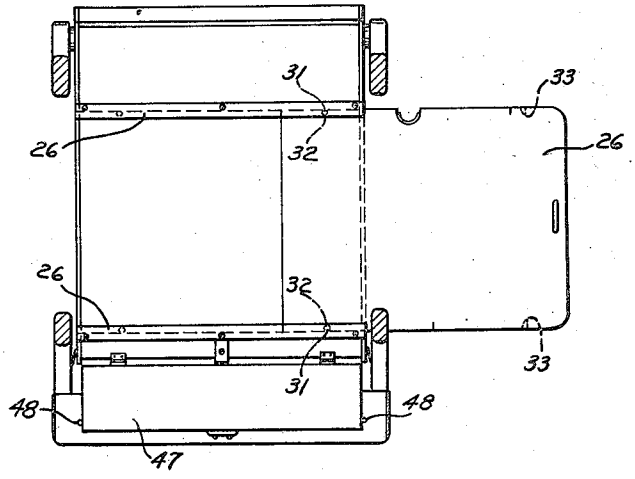


FIG. 7.



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COLLAPSIBLE BEACH FISHERMAN'S CHAIR

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Application February 4, 1947, Serial No. 726,404

3 Claims. (Cl. 155—123)

1

The invention disclosed in this patent application is a chair construction for the use of beach fishermen.

Special objects of the invention are to provide a collapsible form of chair which will fold up for convenient carrying and which will carry in conveniently accessible relation, the usual equipment required by the beach fisherman.

Other special objects of the invention are to provide a chair structure which will be comfortable and practical in use as such and which will be truly adaptable for use on the beach without sinking in the sand or otherwise becoming unusable or uncomfortable.

Other special objects are to provide a combination chair which will serve the purposes of a "sandspike" to hold the rod in desired relation and which further may be used to support the butt of the rod, while sitting on the chair.

Further special objects of the invention are to provide a combination chair construction, which will supply such needs as a bait box, a board for cutting bait, compartments for segregating and supporting items such as hooks and lines, reel, etc., and which will furnish illumination necessary for finding, selecting and using such items.

Other important objects of the invention are to provide a folding and carrying combination chair such as indicated, which will be capable of being folded and set up with one hand, leaving the other hand free for the rod or other items and which as it is folded will automatically provide convenient carrying handles and means for holding it in an upright standing position when it is so folded, with the bait box and other portions of the apparatus in conveniently accessible relation.

Other desirable objects and the novel features through which the purposes of the invention are attained are set forth or will appear in the course of the following specification.

The drawings accompanying and forming part of the specification illustrate a present commercial embodiment of the invention. Structure, however, may be modified and changed as regards the immediate illustration, all within the true intent and broad scope of the invention as hereinafter defined and claimed.

Figure 1 in the drawings is a perspective view showing the chair as set up and in use for holding the rod.

Figure 2 is a similar view showing the chair in partially folded position and indicating how such folding may be accomplished, after pushing in the bait board to unlock the chair, by simply rocking the back forwardly with one hand.

2

Figure 3 is another perspective view showing the chair in the fully folded condition ready for carrying or for standing up, with the bait box then at the top in position for convenient use.

Figure 4 is a plan view of the chair showing the bait board pulled out as in Figure 1 and the seat panel raised to open up the various tackle compartments.

Figure 5 is a broken vertical sectional view on substantially the plane of line 5—5 of Figure 4.

Figure 6 is a broken cross sectional view on substantially the plane of line 6—6 of Figure 4.

Figure 7 is a bottom plan and sectional view as on substantially the plane of line 7—7 of Figure 6.

The chair construction comprises a hollow box-like bottom or seat unit 10 pivotally supported at its forward edge by a cross rod 11 at the upper ends of the forwardly inclined front legs 12 and pivotally suspended at the back by links 13 pivotally hung at 14 on the back bars 15.

The latter are shown as designed to rest upon the rear portions of the front legs 12 at 16 and as pivotally connected thereto by swing-over links 17, pivoted at their opposite ends to the back bars 15 and front legs 12 in such relation as to swing past a dead center position from that shown in Figure 1 through the positions successively shown in Figures 2 and 3.

Pivotally connected with the back bars 15 at 18, at a level just below the seat suspension links 13, are the forwardly and downwardly inclined rear legs 19, pivoted intermediate their ends at 20 to the front legs 12.

This construction provides a folding approximately parallelogram arrangement in which the parts will be held in the set up condition shown in Figure 1 by reason of the forwardly turned relation of the bottom links 17 then standing with their end pivot centers 21, 22 forward of the dead center position between the connected parts 15 and 12.

In such set up position, however, the chair can be quickly and immediately folded by simply rocking the back structure forwardly, pivoting the back bars 15 about the centers 18 on the back legs 19, to swing the links 17 back over their dead center positions as in Figure 2. The chair then will further collapse into the relation shown in Figure 3, with the back bars 15 in substantially parallel relation with the front legs 12 and the back legs 19 slightly inclined with respect thereto to serve as a brace for supporting the folded struc-

ture in the substantially upright relation indicated.

In this folded condition the rungs 23, 24 connecting the lower ends of the front legs 12 and the lower ends of the back bars 15 stand in closely adjoining parallel relation providing either or both, convenient handles for carrying the folded chair. These handle rungs gripped together in carrying the folded structure prevent accidental opening or spreading of the collapsed or folded structure.

A sliding and removable bait board 25 is shown engaged in angular guides 26 extending transversely across the bottom of the seat unit.

This bait board in being withdrawn for service passes between the upper ends of the crossed front and back legs 12 and 19 and thus serves to lock the legs and hence the complete structure in the set up condition, for use as a chair. A further and more positive interlock between the parts is effected in the illustration by causing the edges of the bait board to enter properly placed notches 27, 28 in the upper edges of the crossed front and back legs.

When removed or pushed fully into position beneath the chair bottom the bait board does not interfere in any way with the single handed folding operation described.

A further important use of the bait board is to support the rod 29 in upright position as shown in Figure 1, said board having a notch 30 in its forward edge to receive and position the rod when the latter is supported at the bottom in upstanding relation.

To hold the board in proper position for so supporting the rod there is provided in the illustration a pair of spring pressed ball detents 31 in the guide channels 26 to enter appropriately placed recesses 32 in the edges of the board, as in Figure 7.

Similar recesses in the edge of the bait board are shown at 33 in Figure 7, positioned to be engaged by the spring detents 32 when the board is pushed in to its fully seated and concealed position beneath the seat.

To prevent the chair from sinking in the sand and to furnish support and holding means for the butt of the rod, the lower forward ends of the back legs 19 are shown connected by a trough 34 Further, the end of this trough at the bait board side is shown partitioned off at 35 to form a definite pocket 36 for the lower end of the rod.

The V-shaped structure of the trough provides an anchorage for the chair in the sand and the greater surface provided by the walls of the trough afford support for preventing the chair sinking in the sand.

The box formation of the seat structure is shown as having a top panel 37 hinged at the back at 38 so that it may be swung upwardly as in Figures 4, 5 and 6 to uncover and expose the contents of such box structure.

This upwardly hinging seat panel is shown as carrying at the under side of the same a hooded electric light 39 for illuminating the box interior, bait board and the like, energy for such light being supplied in the example by dry cells 40 located in a small compartment 41 toward the back of the box and connected by wires 42 extending up beneath the seat covering 43 to the lamp fitting. The lamp fitting may be equipped with a suitable switch or other means be provided for controlling the light, such as an automatic switch which will throw the lamp on which the seat cover is raised.

The interior of the seat box may be partitioned

into compartments as indicated at 44 for best separating and carrying the various paraphernalia used by a beach fisherman. A board or card such as shown at 45, for carrying snelled hooks, may be fitted as a cover over some of the compartments, the smaller ones in this instance at the left in Figures 4 and 6.

At the back the seat box is shown partitioned off in a transversely extending bait box 46 having a hinged cover 47 accessible at the back when the chair is set up as in Figures 1 and 5 and conveniently reachable at the top when the chair is folded and stood up as in Figure 3.

The bait box door or cover 47 is shown in Figure 7 as having spring detents 48 at opposite ends of the same for releasably holding it in closed position and similarly the hinged seat 37 is shown in Figure 4 as having spring detents 49 for releasably holding it in closed position.

The back of the chair is shown in Figures 1 and 5 as made up of a pouch 50 fitting closely down over the side or back bars 15 and having a slide closure 51 across the top of the same. This pouch forms a convenient and safe receptacle for reels and other such parts and can, if desired, be slipped up off the upper ends of the side bars for cleaning or other purposes.

While the spring detents 31 in engagement with recesses 33, Fig. 7, will ordinarily hold the bait board sufficiently to prevent it being pushed in too far beneath the seat, it is contemplated that the inner end of the guideway 26 may be closed off or other means be provided to positively limit the inward movement of the board. And while particularly useful as a combination chair for fishermen, it will be realized that the invention is useful for many other special purposes, such as an artist's sketch chair and the like. Also, it will be appreciated that while designed primarily for beach fishing, the chair may be used to advantage for ice fishing and for jetties, piers and lakes.

For carrying the chair in the closed and folded relation illustrated in Fig. 3, the topmost rung 24 preferably is used as a handle because upward lift on this rung, through leverage afforded by the inclined links 17 and the pivoted back legs 19, tends to close the parts together all the more firmly.

What is claimed is:

1. A beach fisherman's chair comprising hingedly connected foldable front and rear leg, back and seat members, said rear leg members being pivoted to the edge of the seat at the front part thereof, said back member being pivoted to the edges of the seat at the rear part thereof, said front and rear legs pivotally connected to each other at an intermediate part thereof, the upper ends of said front legs being pivotally connected to the backrest at an intermediate point thereof below said seat, the lower end of said backrest being connected to said rear legs at the lower end thereof and a bait board slidably mounted beneath said seat member and withdrawable to a position interlocking with the upper ends of the leg members to prevent collapsing movement of the chair structure.

2. A beach fisherman's chair comprising hingedly connected foldable front and rear leg, back and seat members, said rear leg members being pivoted to the edge of the seat at the front part thereof, said back member being pivoted to the edges of the seat at the rear part thereof, said front and rear legs pivotally connected to each other at an intermediate part thereof, the upper ends of said front legs being pivotally connected

to the backrest at an intermediate point thereof below said seat, the lower end of said backrest being connected to said rear legs at the lower end thereof, a bait board slidably mounted beneath said seat member and withdrawable to a position interlocking with the upper ends of the leg members to prevent collapsing movement of the chair structure and detent means for retaining said bait board in position locking the chair in set up condition.

3. A beach fisherman's chair comprising hingedly connected foldable front and rear leg, back and seat members, said rear leg members being pivoted to the edge of the seat at the front part thereof, said back member being pivoted to the edges of the seat at the rear part thereof, said front and rear legs pivotally connected to each other at an intermediate part thereof, the upper ends of said front legs being pivotally connected to the backrest at an intermediate point thereof below said seat, the lower end of said backrest being connected to said rear legs at the lower end thereof, a bait board slidably mounted beneath said seat member and withdrawable to a position interlocking with the upper ends of the leg members to prevent collapsing movement of the chair structure and detent means for selectively retaining said bait board in fully retracted position clear of said leg members or in extended position locking the leg members in the set up relation.

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REFERENCES CITED

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

UNITED STATES PATENTS

Number	Name	Date
139,776	Collington	June 10, 1873
1,403,543	Daniel	Jan. 17, 1922
1,460,291	Truffy	June 26, 1923
1,835,772	Ginsleig	Dec. 8, 1931
1,900,847	Siday	Mar. 7, 1933
1,907,322	Kricher	May 2, 1933
1,984,207	Ceslowitz	Dec. 11, 1934
2,074,998	Kaufman	Mar. 23, 1937
2,330,627	Reynolds	Sept. 28, 1943