US Patent & Trademark Office
Patent Public Search | Text View

United States Patent	12384497
Kind Code	B1
Date of Patent	August 12, 2025
Inventor(s)	Jones; Raymond

Detachable canoe outrigger

Abstract

A detachable canoe outrigger that is removably mounted to a canoe's gunwales using a dual beam assembly having two beam member that are fastened to the canoe. The beam members include slots to allow a user to selectively adjust the distance between the canoe and the outrigger. The outrigger assembly further including a ladder connected thereon to allow users to climb back onto said outrigger member and in turn onto said canoe. A net assembly is included to provide users with a means of carrying passengers thereon or items such as a cooler while they are out on the canoe.

Inventors: **Jones; Raymond (Blind Bay, CA)**

Applicant: **Jones; Raymond** (Blind Bay, CA)

Family ID: **1000006461995**

Appl. No.: **17/845707**

Filed: **June 21, 2022**

Publication Classification

Int. Cl.: **B63B34/26** (20200101); **B63B1/12** (20060101); **B63B34/21** (20200101)

U.S. Cl.:

CPC **B63B34/26** (20200201); **B63B1/121** (20130101); **B63B34/21** (20200201);

Field of Classification Search

CPC: B63B (1/10); B63B (1/12); B63B (1/121); B63B (2001/102); B63B (34/20); B63B (34/21); B63B (34/26)

References Cited

U.S. PATENT DOCUMENTS

Patent No.	Issued Date	Patentee Name	U.S. Cl.	CPC
8047153	12/2010	Wood	N/A	N/A
9555860	12/2016	Mackro	N/A	B63B 17/00
10023276	12/2017	Sharrer	N/A	N/A
2007/0240626	12/2006	Baker	114/362	B63B 27/146

FOREIGN PATENT DOCUMENTS

Patent No.	Application Date	Country	CPC
2421955	12/2003	CA	B63B 1/121

Primary Examiner: Browne; Scott A

Assistant Examiner: Choi; Jisun

Attorney, Agent or Firm: Sanchelima & Associates, P.A.

Background/Summary

II. BACKGROUND OF THE INVENTION

1. Field of the Invention

(1) The present invention relates to a detachable canoe outrigger and, more particularly, to a detachable canoe outrigger that includes dual attachment beams with slots to selectively adjust the distance between the canoe and the outrigger.

2. Description of the Related Art

(2) Several designs for a detachable canoe outrigger have been designed in the past. None of them, however, include an outrigger which is removably attachable to a canoe using dual attachment beams that are secured to the gunwales of the canoe.

(3) Applicant believes that a related reference corresponds to U.S. Pat. No. 10,023,276 issued for a canoe outrigger attached to a canoe with telescopic arms having clamps on the canoe end. Applicant believes that another related reference corresponds to U.S. Pat. No. 8,047,153 issued for an outrigger for attachment to a host vessel, such as a canoe. None of these references, however, teach of a detachable canoe outrigger that includes a net extending between the canoe and outrigger to provide uses with a means of carrying passengers thereon or items such as a cooler.

(4) Other documents describing the closest subject matter provide for a number of more or less complicated features that fail to solve the problem in an efficient and economical way. None of these patents suggest the novel features of the present invention.

III. SUMMARY OF THE INVENTION

(5) It is one of the objects of the present invention to provide a detachable canoe outrigger that includes a removably attachable canoe using dual attachment beams.

(6) It is another object of this invention to provide a detachable canoe outrigger that includes clamps for the gunwales of the canoe as well as clamps for the top of the outrigger.

(7) It is still another object of the present invention to provide a detachable canoe outrigger that includes an outrigger with a drop ladder with a net extending between the canoe and the outrigger to facilitate carrying passengers or items thereon.

(8) It is yet another object of this invention to provide such a device that is inexpensive to implement and maintain while retaining its effectiveness.

(9) Further objects of the invention will be brought out in the following part of the specification,

wherein detailed description is for the purpose of fully disclosing the invention without placing limitations thereon.

Description

IV. BRIEF DESCRIPTION OF THE DRAWINGS

(1) With the above and other related objects in view, the invention consists in the details of construction and combination of parts as will be more fully understood from the following description, when read in conjunction with the accompanying drawings in which:

(2) FIG. **1** represents a top view of the present invention showing canoe assembly **20**, dual beam assembly **40**, outrigger assembly **60**, and net assembly **80**. It can further be seen dual beam assembly **40** includes beams **42** having slots **44** that allow a user to adjust the distance between the outrigger assembly **60** and canoe assembly **20**. It can also be seen that the beams **42** are mounted to the gunwales **62** of the canoe assembly **20**.

(3) FIG. **2** shows a side view of the outrigger members **61** mounted to the top end of the outrigger **64** that is in a body of water. The outrigger members **61** including outrigger fasteners **62** mounted at a top end.

(4) FIG. **3** illustrates an enlarged view of net assembly **80** showing how net member **82** is mounted to the outrigger assembly **60**, the dual beam assembly **40** and the canoe assembly **20**.

(5) FIG. **4** represents an isometric view of the hammock anchor bar **23** located towards the distal end of the canoe assembly **20** using the bar fasteners **46** in conjunction with the jaw **48** to attach it to the canoe **21**, thereby attaching the net to the canoe assembly **20**.

(6) FIG. **5** is a representation of an enlarged side view of the securing mechanism in which the bar fastener **46** traverses one of the slots **44** to engage one of the jaws **48** and mount the beams **42** to the gunwales **22** of the canoe **21**, as shown in FIG. **1**.

(7) FIG. **6** depicts an enlarged side view of the securing mechanism in which the bar fastener **46** traverses the hammock anchor bar **23** through a fixed point to engage one of the jaws **48** and mount said hammock anchor bar **23** to a distal end of the canoe **21**, as shown in FIG. **4**.

(8) FIG. **7** represents a top view of the canoe assembly **20** having the platform assembly **90** mounted thereon. The platform assembly **90** includes a platform **92** that is to be mounted thereon to create a walkway for a user to get to the outrigger with ease.

(9) FIG. **8** represents an exemplary embodiment of the present invention, wherein the platform assembly **90** includes platform fasteners **94** to secure the platform **92** to the beams **42**.

V. DETAILED DESCRIPTION OF THE EMBODIMENTS OF THE INVENTION

(10) Referring now to the drawings, where the present invention is generally referred to with numeral **10**, it can be observed that it basically includes a canoe assembly **20**, a dual beam assembly **40**, an outrigger assembly **60**, and a net assembly **80**. It should be understood there are modifications and variations of the invention that are too numerous to be listed but that all fit within the scope of the invention. Also, singular words should be read as plural and vice versa and masculine as feminine and vice versa, where appropriate, and alternative embodiments do not necessarily imply that the two are mutually exclusive.

(11) As illustrated in FIG. **1** canoe assembly **20** may include a canoe **21**. In multiple embodiments the canoe **21** may be a tripping canoe, sporting canoe, recreational canoe, or any variation thereof. The canoe **21** may include a yoke **25**, a bow seat **24**, and a stern seat **26** mounted therein. The yoke **25** may be mounted perpendicularly across the canoe **21** lateral sides. The yoke **25** may take the form of a curved crossbeam that facilitates a user carrying the canoe **21** when it is out of the water. It may be suitable for each of the bow seat **24** and the stern seat **26** to include a squared seating portion with perpendicular mounting points extending from their respective lateral sides that attach to the gunwales **22** of the canoe **21**. The gunwales **22** may run along the entirety of a top perimeter

edge of the canoe **21**. Located on opposing distal ends of the canoe **21** may be hammock anchor bars **23**.
(12) Best shown in FIG. **4** the hammock anchor bars **23** may be an elongated rectangular member that includes a net fastening member **84** integrally formed at a hammock anchor bar distal end. Referring now to FIG. **6**, the hammock anchor bars **23** may include a bar fastener **46** that traverses said hammock anchor bars **23** perpendicularly through a top portion to engage with a jaw **48**. The bar fastener **46** may include a knob portion that allows the user to tighten or loosen the jaw **48**. Thereby enabling the user to mount and dismount the hammock anchor bars **23** to the gunwales **22** of the canoe **21**.
(13) In FIG. **1** it is shown that dual beam assembly **40** may include beams **42**. The beams **42** may be elongated rectangular members that are perpendicularly mounted to the gunwales **22** on either side of a midpoint of the canoe **21**. The beams **42** may be removably attachable to the gunwales **22**. As demonstrated in FIGS. **1** and **5** the beams **42** may include slots **44** located at a first distal end. In one embodiment, the slots **44** may be a pair of apertures longitudinally disposed about a portion of the beams **42** that aligns with the interior of the canoe **21**. It may be suitable for the bar fasteners **46** and to engage the jaws **48** by traversing the slot **44**. The jaws **48** may be curved members that include a top portion with ridges. The ridges of the jaws **48** allowing the beams **42** to be more securely fastened to the gunwales **22**. The slots **44** allows the user to selectively adjust the distance between the canoe **21** and the outrigger assembly **60**. It may be preferable for each of the beams **42** to include a net fastening member **84** disposed about a middle portion.
(14) It may be preferable for a second distal end of the beams **42** to be received by outrigger members **61** of outrigger assembly **60** as shown in FIGS. **1** and **3**. Referring now to FIG. **2** the outrigger members **61** may be mounted to a top end of the outrigger **64**. It should be understood that the outrigger **64** may include any variation of a float or secondary hull that is fixed parallel to the canoe **21** via the dual beam assembly **40**. In one embodiment the outrigger members **61** may be mounted in pairs on opposing ends of the outrigger **64**. The outrigger members **61** may include a rectangular sleeve that receives the second of the beams **42** therein. The outrigger members **61** may be made out of a metallic material such as aluminum. Wherein the outrigger members **61** secure the beams **42** via outrigger fasteners **62**. The outrigger fasteners **62** may be threaded members engaging perpendicularly with an outrigger member top end that can be tightened or loosened to secure the beams **42** within the outrigger members **61**. In multiple embodiments the outrigger fasteners **62** may be lag bolts, socket bolts, hex bolts, square bolts, t bolts, knob bolts, or any variation thereof. The outrigger members **61** may also include net fastening members **84** integrally formed to an exterior portion. It may be suitable for the outrigger **64** to further include a ladder **63** mounted to a lateral side. The ladder **63** may enable the user to climb in and out of the present invention while the canoe **21** is in the water.
(15) As best depicted in FIGS. **1** and **3** net assembly **80** may include a net member **82**. In one embodiment the net member **82** may be a triangular net mounted to the net fastening members **84** located on each of said hammock anchor bars **23**, the beams **42**, and the outrigger members **61**. In one implementation a net member **82** may be mounted adjacent to the bow seat **24** and another net member **82** may be mounted adjacent to the stern seat **26**. It may be suitable for the aforementioned implementation of the net members **82** to be mounted in a mirrored configuration with respect to one another. The net member **82** may allow for a user to carry passengers or items such as coolers or fishing gear thereon.
(16) As shown in FIG. **7**, the present invention includes a platform assembly **90** having a platform **92**, and platform fasteners **94**. In one exemplary embodiment, the platform may have a rectangular shape with a suitable area to permit a user to stand thereupon. In different embodiments, the platform **92** may have different suitable shapes such as a quadrangular shape, a rounded shape, a regular polygonal shape, an irregular shape, and/or the like. The platform **92** may be made of a resistant, durable, and sturdy material. In different embodiment, the platform **92** may be made of

wood, aluminum, steel, steel alloys, natural or synthetic fibers, metal, polymers, and/or any other suitable material as known in the art. In one embodiment, the platform **92** may be a single-piece platform. In another embodiment, the platform **92** may be foldable for easy storing. The platform **92** may be removably attached to the beams **42** by means of the platform fasteners **94**. Best shown in FIG. **8**, in an exemplary embodiment, the platform fasteners **94** may be located at lateral sides of the platform **92**. In one embodiment, the platform fasteners **94** may be T-bolt screws. However, platform fasteners **94** may be any other suitable fastener as known in the art that permits to removably fix an element in a predetermined place.

(17) The foregoing description conveys the best understanding of the objectives and advantages of the present invention. Different embodiments may be made of the inventive concept of this invention. It is to be understood that all matter disclosed herein is to be interpreted merely as illustrative, and not in a limiting sense.

Claims

1. A detachable canoe outrigger, comprising: a. A canoe assembly including a canoe having a gunwale extending along a top perimeter edge wherein said canoe includes a bow seat and a stern seat, each mounted between a single beam and a single hammock anchor bar on opposing ends of the canoe; b. A dual beam assembly having beams including the single beam, bar fasteners, said beam having slots, said bar fasteners connecting said beams to said gunwale; c. An outrigger assembly including an outrigger maintained at least substantially parallel to said canoe using said dual beam assembly, wherein the beams of said dual beam assembly are received by outrigger members mounted to an outrigger top end, said outrigger assembly further including a ladder connected thereon adapted to allow users to climb back onto said outrigger and in turn onto said canoe; and d. a net assembly including a net member adapted to carry passengers or items, said net member attached to said canoe assembly using at least one net fastening member, said net member attached to said outrigger assembly using at least one net fastening member, thereby creating a platform between said canoe assembly and said outrigger assembly to carry said passengers or said items.

2. The detachable canoe outrigger of claim 1 wherein said net member is a triangular hammock.

3. The detachable canoe outrigger of claim 1 wherein said beams are elongated rectangular members.

4. The detachable canoe outrigger of claim 1 wherein said canoe includes a yoke mounted therein about a middle portion.

5. The detachable canoe outrigger of claim 4 wherein said beams are positioned on opposing sides of the yoke.

6. The detachable canoe outrigger of claim 1 wherein said canoe assembly includes hammock anchor bars including the single hammock anchor bar mounted to the gunwale on opposite ends of the canoe.

7. The detachable canoe outrigger of claim 6 wherein said bar fasteners include a threaded member that engages a jaw to secure said beams and said hammock anchor bars to the gunwale.

8. The detachable canoe outrigger of claim 7 wherein said hammock anchor bars include said at least one net fastening member to further secure the net member to the canoe.

9. The detachable canoe outrigger of claim 1 wherein said slots are a pair of apertures longitudinally disposed about a portion of the beams that aligns with an interior of the canoe when mounted thereon.

10. The detachable canoe outrigger of claim 1 wherein said outrigger members are rectangular sleeves including an outrigger fastener to secure the beams therein.

11. The detachable canoe outrigger of claim 1 further including a platform assembly having a foldable platform which is removably secured to the beams by means of platform fasteners which

are located at lateral sides of the platform.

12. A detachable canoe outrigger, consisting of: a. A canoe assembly including a canoe having a gunwale extending along a top perimeter edge, the canoe further including hammock anchor bars mounted to the gunwale on opposite ends of the canoe, wherein said canoe includes a yoke mounted therein about a middle portion; b. A dual beam assembly including beams having an elongated rectangular shape, bar fasteners, said beam having slots, wherein said slots are a pair of apertures longitudinally disposed about a portion of the beams that aligns with an interior of the canoe when mounted thereon, said bar fasteners including a threaded member that engages a jaw to secure said beams and said hammock anchor bars to the gunwale, the beams positioned on opposing sides of the yoke, the canoe further including a bow seat and a stern seat on opposing sides of said canoe, wherein the bow seat is between a first beam and a first hammock anchor bar and the stern seat is between a second beam and a second hammock anchor bar; c. An outrigger assembly including an outrigger maintained at least substantially parallel to said canoe using said dual beam assembly, wherein the beams of said dual beam assembly are received by outrigger members mounted to an outrigger top end, the outrigger members being rectangular sleeves including an outrigger fastener to secure the beams therein, said outrigger assembly further including a ladder connected thereon adapted to allow users to climb back onto said outrigger and in turn onto said canoe; d. a net assembly including a net member adapted to carry passengers or items, said net member being a triangular hammock that is attached to said beams using at least one net fastening member, said net member attached to said outrigger members using at least one net fastening member, said net member attached to said hammock anchor bars using at least one net fastening member, thereby creating a platform between said canoe assembly and said outrigger assembly to carry said passengers or said items; and e. a platform assembly having a foldable platform which is removably secured to the beams by means of platform fasteners which are located at lateral sides of the platform.