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(54) Multiple hull sailing boat.

(57) This boat consists of three tables. The central table (I) is provided ahead with an housing for the mast (6) and astern with one or more seats (7) with backboards (8), thus they are suitable for one or more sitting persons who can operate a couple of foot-pedals (10) controlling the rudder. In this way, person/s has/have both hands free and can govern the sail plan through ropes, easier than in a standard type of sailing-boat.

The table (I) is also provided with a continuous fairing (12a, 13a, 14a) which make it possible to avoid splashing sitting person/s While securing aboard, as well as to have a space also behind seats astern, to be used as container.

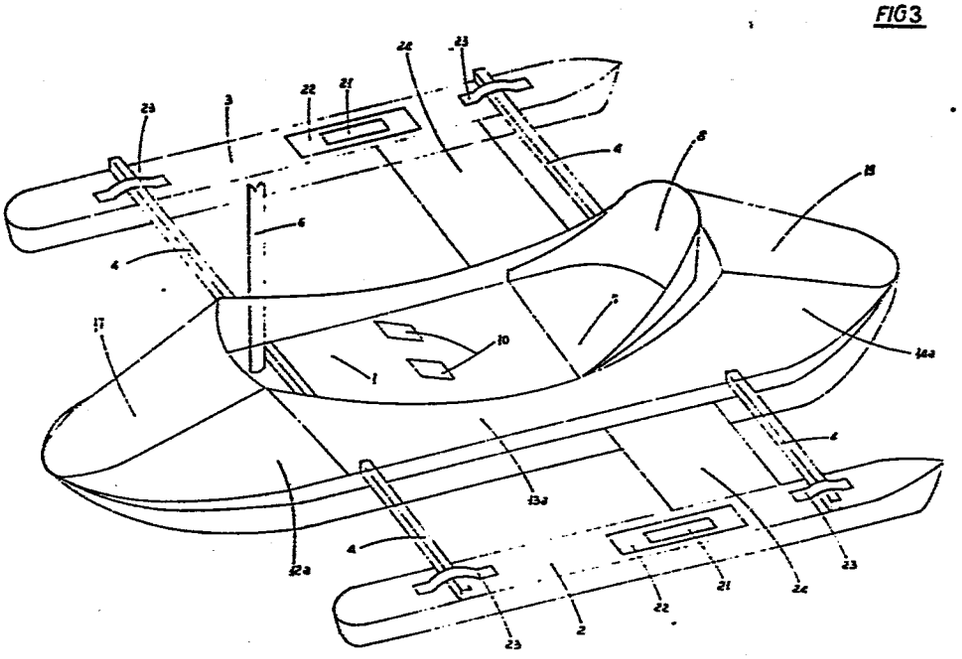
The lateral tables (2 and 3) are joined to central one (I) by beams through a sliding system which permit person/s sitting on the table (I) to approach or remove the lateral tables also in independent way.

The three tables can be made of either rigid or pneumatic material.

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FIG3



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IMPROVED SAILING-BOAT

TITLE MODIFIED
see front page

The subject of this invention is an improved sailing- boat.

The most important problems in boat projecting of small-size boats in particular, are connected to production cost and manoeuvrability in transport and storing.

Therefore , the purpose of this invention is to provide an improved boat with very reduced production costs and extremely limited dimensions and weight in order to make boat transport and handling easier. A further purpose of this invention is to produce a boat that can be steered by one or more persons gifted with no particular strength or balance being comfortably and safely sitting on board, a boat offering, when desired, the same perfomance and pleasure as the sailing-boats already on the market. Another purpose is to provide a boat extremely easy to mou_ nt and disassemble both on land and in the water.

This boat achieves not only the above purposes, but also some others hereunder shown. The boat consists of three tables, a central one and two lateral ones, joined to give the boat remarkable floating and stability.

The central table may, or may not, be made of the same materials as the lateral ones. Though the features of this boat, that are shown hereunder, do not change, there are various constructive possibilities: it is possible to make all three tables of a rigid material; it is possible to make the central table of a rigid material and the lateral

tables of a pneumatic material; finally, it is possible to make all three tables of a pneumatic material. It is obvious that in the latter two alternatives, transport and storing of the boat, will be easier.

The central table presents astern one or more seats with backboard: in fact, this table is suitable for a person, at least, sitting on it with his shoulders against the said backboard; ahead, the table present also an housing for a mast, connected to the sail plan chosen according to desired performances.

Further features and advantages of this invention will be better underlined in the following, more detailed desripti_ on of a construction having a non-exclusive but a preferable design shown as a mere example hereunder, such a constru_ ction being not restrictive.
The enclosed drawings show:
-I: vertical longitudinal section of the boat
-2: top view of the boat without mast
-3: side view
-4: stern fairing.

This boat consists of a central table (I) and two lateral tables (2 and 3) joined by beams (4); ahead, the table (I) presents an housing (5) where the mast (6) is inserted; the mast is connected to the sail plan. Astern, the table (I) is provided with one or more seats (7) and one or more backboards (8) connected to the table (I) so as to be folded in transport. The table is equipped with a rudder (9) and a couple of foot-pedals (I0) connected to the table (I)

and driving the rudder (9) through cables (II),

The table (I) is suitable for one or more persons comfortably sitting on the seat/s (7) with shoulders against backboard/s (8) and operating the foot-pedals (IO) that control the rudder (9). In this way, person/s having both hands free can steer the boat equipment through ropes easier than in a standard type of sailing-boat.

The central table (I) is also provided of a continuous fairing divided, for reasons of clearness, into bow, side and stern fairing. Such bow (I2a and I2b), side (I3a and I3b) and stern (I4a and I4b) fairings are connected to the table and thus seaworthiness is not affected as floating is ensured by the table (I). In this way, the fairings can be easily mounted on the table through set screws or joints or other means so that they can be easily removed or folded on the table (I) during boat transport as well as remounted both on the ground and in the water. Constructive materials for bow and stern fairings can be various, even of rigid type so as to get a better water-resistance, while lighter materials, plasticized clothes for example, can be used for side fairings (I3a and I3b). Such clothes will be fastened to the table (I) and to bow and stern fairings, for example by means of hooks and eyelets.

The continuous fairing surrounding bow, sides and stern of the table (I) avoid splashing person/s sitting on the table and any side-falling because of rolls. Another purpose consists in getting space to be used as containers both

ahead (I5) and astern (I6). The space ahead is obtained through a panel (I7) that,from the table (I), closes the bow fairing (I2a and I2b) at the top, and through a front(I8) perpendicular to the table (I).

The space astern is obtained behind the backboard/s closing the stern fairings (I4a and I4b) at the top through a panel (I9): that space starts behind the backboard/s (8), lowers and ends at the table (I) extremity.

Joints can be, for example, wedged type.

In order to make that space as dry as possible, will be sufficent a bulkhead (20) joining from the table (I) the stern fairings and the panel (I9) that closes those fairings. The bulkhead can be also used as backboard/s support.

The lateral tables (2and 3) are joined to the table (I), by beams (4) and give the boat remarkable floating and staby_ lity. Each table is provided with a fin keel (2I) that can be placed in a proper housing (22) when not in use.

The lateral tables (2and 3) and beams (4) can be also removed completely during transport. The system to join all three tables consists of stout beams (4), for example elastic wood, joining the table (I) to tables (2 and 3), both ahead and astern.

The beams are fastened to the three tables by means of,for example, elastic or leather belts (23) which join the lateral tables so that they can be moved towards or removed from the central table,either in a dependent or in indepen_ dent way. For this purpose, it is possible for example to make some notches on the beams so that the belts inserted in them clamp the beams at the desired length.

Such a sistem make it possible to control the lateral tables, on the ground and in sailing as well, according to the wind force and direction and to the desired performances.

A stout,plasticized service cloth (24) is also provided astern so as to permit and follow the movement of the lateral tables still remaining stretched. This is possible thanks to the adjustable width of the cloth which is hooked to the three tables.

Thus, using such ispirations makes it possible to produce boats either with a table beam suitable for one or more persons sitting one next the other or with a table length suitable for two or more persons sitting one before the other: further seat/s with backboard/s quite similar to the seat/s (7) with backboards (8) is/are to be provided. Constructive details can be modified in order to obtain more practicality in production without changing the inspiration just as hereunder claimed.

CLAIMS

I. Improved sailing boat consisting of three tables joined to give the boat stability and floating.
Ahead, the central table is provided with a mast connected to the sail plan; astern, the central table is provided with one or more seats with one or more backboards, the said boat being suitable for one person, at least, sitting on the said table with his shoulders against the backboard.

2. According to claim I, boat having a steering rudder mechanically driven by a couple of foot pedals connected to the said central table and placed so as to permit the person/s sitting on the said table to operate them.

3. According to claims I and 2, boat having a central table provided with a fairing connected to the said table and surrounding bow, sides and stern of the said table without affecting its seaworthiness.

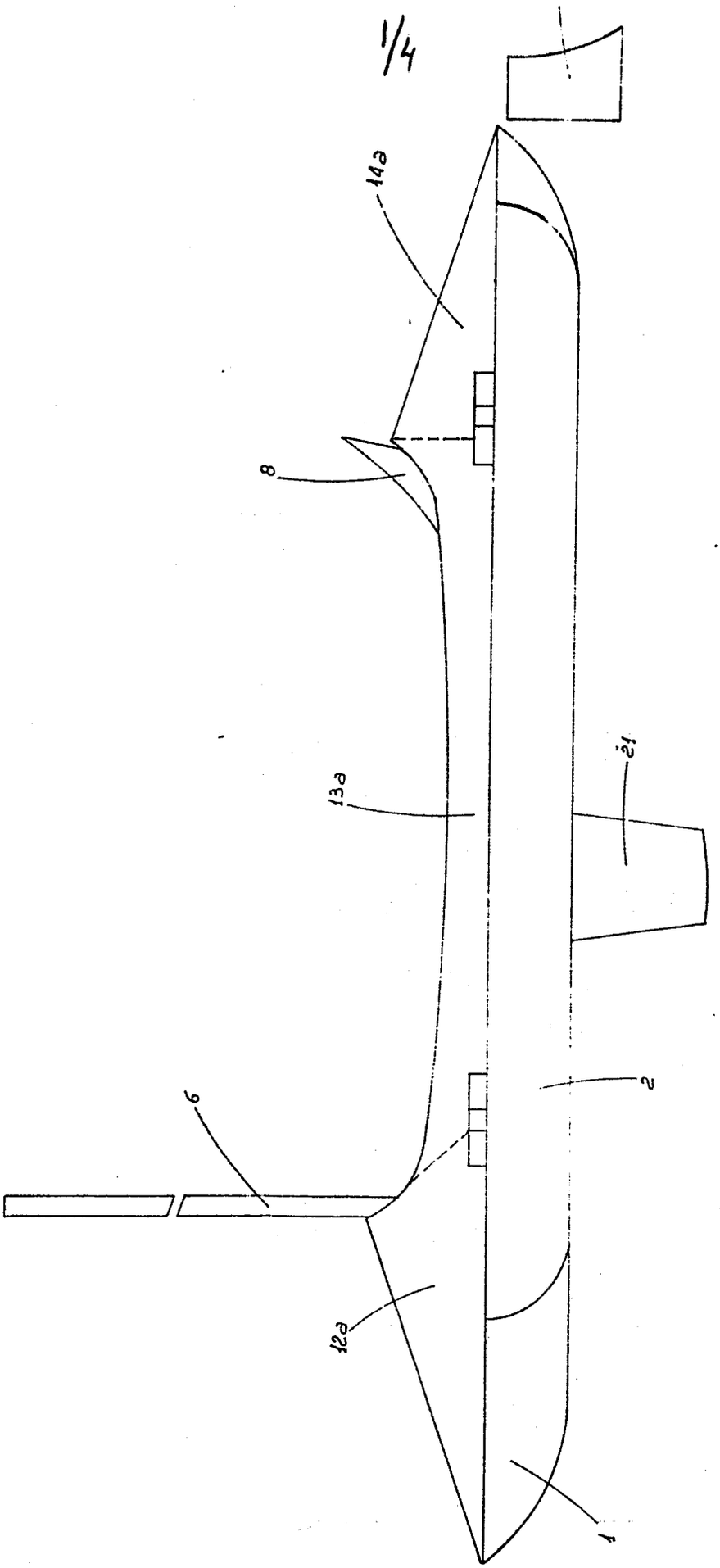
4. According to claims I, 2, 3, boat having a central table provided with a fairing which makes it possible to get also a closed space astern to be used as container in sailing, too.

5. According to claims I, 2, 3, 4, boathaving a central table joined to the lateral ones through stout beams by a sliding system so that lateral tables can be approached to or removed from the central table, either in a dipendent or in indipendent way.

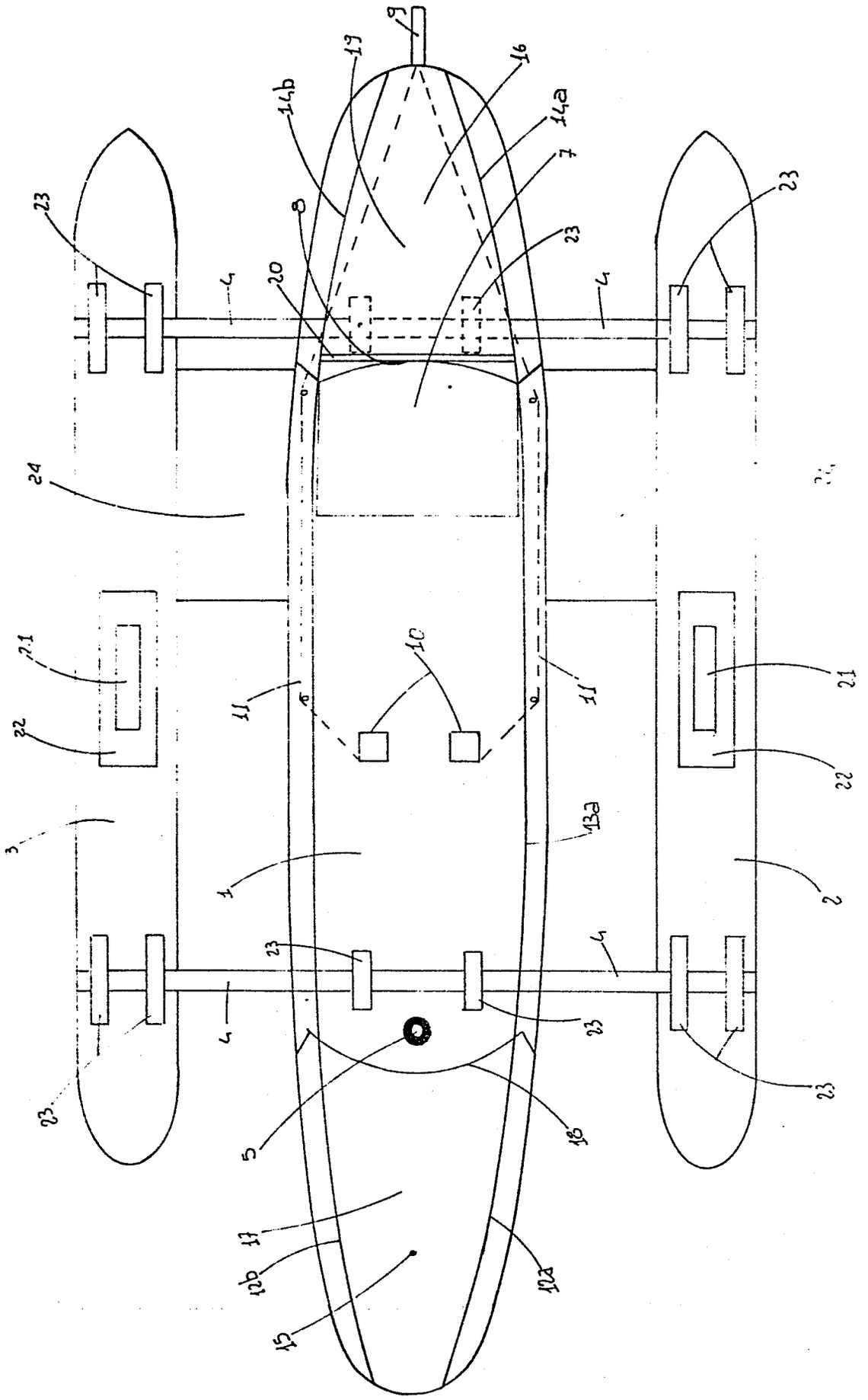
6. According to claims I, 2, 3, 4, 5, boat whose three tables, can be made of either rigid or pneumatic material.

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FIG.1

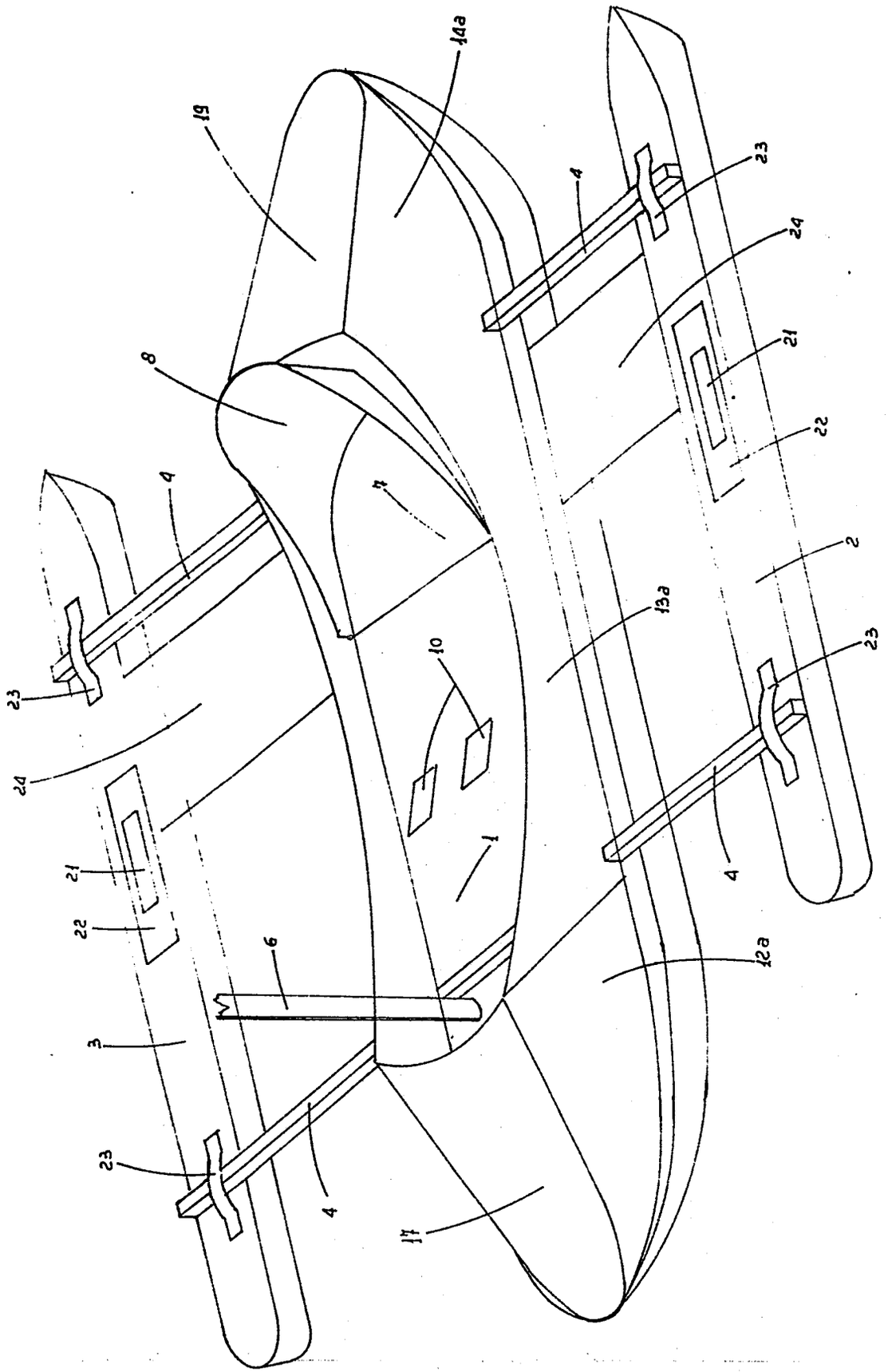


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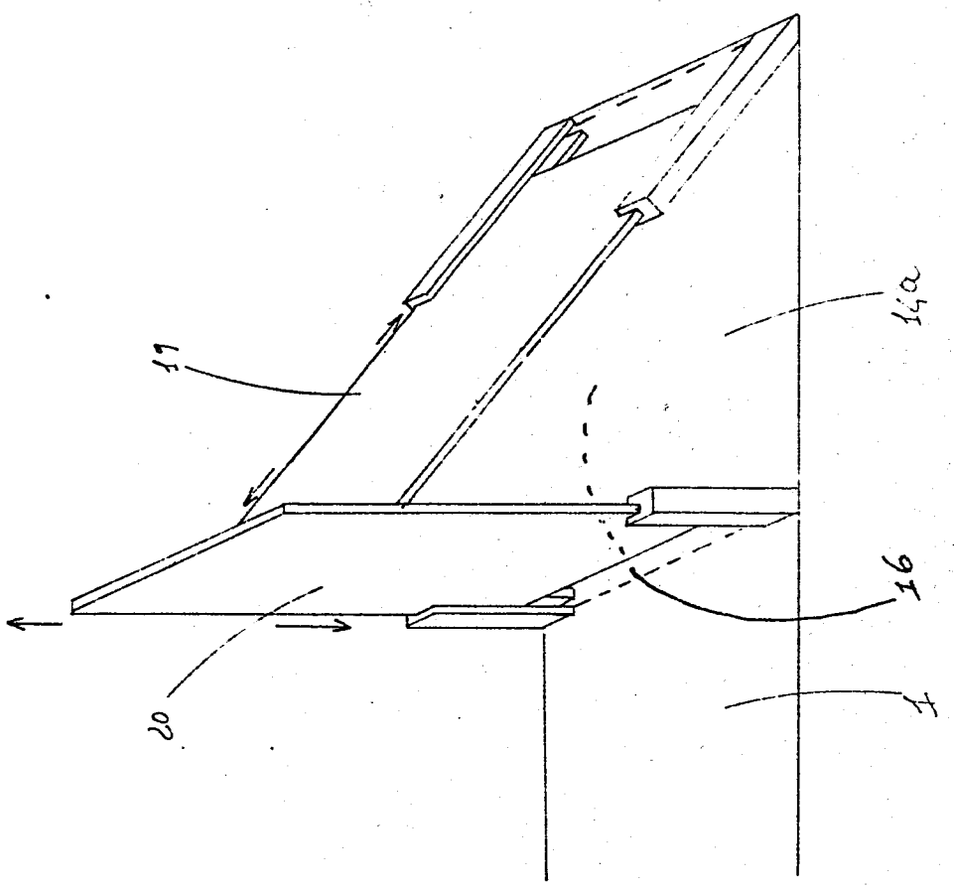
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FIG 3



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FIG 4



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EUROPEAN SEARCH REPORT

0148961

Application number

EP 83 83 0271

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Y	FR-A-2 512 414 (CARRIER) * Whole document *	1-3	B 63 B 1/12 B 63 B 35/86
Y	US-A-2 858 788 (LYMAN) * Columns 1,2; column 5, lines 9-20; figures 1,3 *	1-3	
A	* Column 2, lines 40-48; figure 3 *	6	
A	US-A-3 077 850 (BEUBY) * Column 2, lines 9-27; column 4, lines 55-71; claims 1,2; column 3, lines 5-25; figures 1,4,12 *	1-4	
A	FR-A-2 416 833 (GREZE) * Whole document *	3	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	FR-A-2 339 529 (DURAND) * Whole document *	1,2,5	B 63 B
A	FR-A-2 467 773 (BELLASI) * Page 1, lines 11-17; page 6, lines 1-5; figure 1 *	6	

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	31-07-1984	OFFMANN P.A.

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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