My invention relates to new and useful improvements in boats and more particularly to the seating arrangement for the cockpit of small cruisers, pleasure boats and the like.

One of the objects of the present invention is to provide boat seats (relatively long) that may be quickly and readily swung into position when the seats are to be utilized and, on the other hand, may be quickly swung downwardly and then inwardly parallel with the sides of the boat under the deck so that there will be more room in the cockpit.

Still another object of the invention is to provide swinging transom seats so as to reduce the cockpit area in case of a storm or rough water.

Still another object of the invention is to provide not only foldable swinging seats so as to provide seats in the cockpit when desired, or to provide more space for the occupants, but also to provide the swinging seats with extending partitions or front pieces that form a substantially water-tight arrangement to reduce the area of the cockpit so that in case of a storm and a rough sea or heavy following seas or even heavy rains, the water that gets into the cockpit will be in a confined or reduced area and also be prevented from leaking or flowing into the bilge.

Still another object of the invention is to provide what I term a flexible seating arrangement wherein the area of the cockpit may be enlarged, that is, when the seats are swung out of the way there will be more room to move around in the cockpit, and on the other hand, when the seats are in their usable position, not only do they provide the desired seating arrangement but they also provide for safety in that they reduce the area in which the water will be trapped in the cockpit in case of storms or high seas.

Still another object of the invention is to provide transom seats with the added function of reducing the floor area to confine any stray water between the seats, and to also arrange the seats so that not only may they be swung downwardly out of the way, but also again upwardly and positioned in against the sides of the boat, under the deck.

With these and other objects in view, the invention consists in certain new and novel arrangements and combination of parts as will hereinafter more fully explained and pointed out in the claims.

Referring now to the drawings showing a preferred embodiment:

Fig. 1 is a top plan view of the transom or cockpit of a boat with the novel seats in their open or usable position;

Fig. 2 is an enlarged fragmentary sectional view taken on line 2—2 of Fig. 1, the dotted lines showing the seat folded back in its inoperative position;

Fig. 3 is an enlarged sectional view taken on line 3—3 of Fig. 1; and

Fig. 4 is an enlarged fragmentary sectional view somewhat similar to Fig. 2.

Referring now to Fig. 1, there is shown a portion of the stern of a boat with the cockpit 1, the main bulkhead 2, after deck 3, the side decks 4, a rear bulkhead 5, and the combings 6. There may also be seen the oppositely disposed like seats 7 that extend from the main bulkhead to the rear bulkhead.

Inasmuch as the seats are alike, though oppositely disposed, a description of one is a description of both.

Referring now for the moment to Fig. 2, there may also be the cockpit floor 8, a portion of the frame 9 and the planking 10.

Secured just behind the combing 6 may be seen the header 11, and also to provide the swinging seats with extending partitions or front pieces that form a substantially water-tight arrangement to reduce the area of the cockpit so that in case of a storm and a rough sea or heavy following seas or even heavy rains, the water that gets into the cockpit will be in a confined or reduced area and also be prevented from leaking or flowing into the bilge.

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Fig. 1 is a top plan view of the transom or cockpit of a boat with the novel seats in their open or usable position;

Fig. 2 is an enlarged fragmentary sectional view taken on line 2—2 of Fig. 1, the dotted lines showing the seat folded back in its inoperative position;
The stops 27 will hold the front piece 23 in its vertical position when the seat is being supported.

The two side edges of the front piece 23 will snugly fit against the respective bulkheads 2 and 5 when the seat is in its open position and the front piece down.

I have described the one seat and as heretofore mentioned, the other seat and its parts are made in an identical manner, but the seats are disposed facing each other. Thus, it will be seen that when the two seats are in their usable position, the respective front pieces 23 greatly limit the floor area of the cockpit and any water that comes over the combing or the stern of the boat will be confined between the two front pieces 23 and the front and rear bulkheads 2 and 5. Then if it is necessary to bale the water out of the cockpit, it will be confined between the two front pieces of the seat and easier to get at than if it had run down into the bilge beneath the cockpit floor or all over the normal cockpit floor.

Of course, some water may leak between the ends of the front pieces and the bulkheads and although I have not shown the ends of the seats as being rubber lined, this can be done if so desired.

Now, should it be desired to put chairs in the cockpit or should it be desired to utilize all the available space in the cockpit, it is a simple matter to swing the seats to their respective out of the way position.

All that is necessary to position the seat 1 under the deck is to first elevate it from its forward edge until the front piece 23 clears the stops 27. Then the front piece 23 will be swung rearwardly and upwardly until its lower edge is fitted within the cleat 18, as shown in the dotted lines in Fig. 2.

There is also shown a small hinged supporting member 28 fastened to the cockpit floor that may be swung upwardly to the dotted line position as shown in Fig. 2 to support the seat when it is tucked beneath the deck 4.

To open the seat, the operation is just reversed, that is, the small hinged member 28 is lowered and the seat swung forwardly and upwardly until it occupies the full line position in Fig. 2, and then it may be slightly elevated so that the front piece 23 may be dropped past the stop 27, and then lowered to its supporting position shown in Fig. 2.

From the foregoing it will be seen that I have provided transom seats that may be quickly and readily swung to either an operable or inoperable position, and when in their operable position, they will confine any water that gets into the cockpit to a very restricted floor area, thus making the boat safer in case of a storm or following sea etc.

Many slight changes may be made without in any way departing from the spirit and scope of the invention.

Having thus described the same what I claim is new and desire to secure by Letter's Patent is:

1. In a boat having a cockpit and front and rear bulkheads defining the opposite ends of the cockpit, together with oppositely arranged longitudinally extending pivotal seats having their opposite ends abutting against the adjacent bulkheads, said pivotal seats each provided with a coextensively extending front piece adapted to support the seat when in its open position, a flexible strip arranged along the lower edges of the front pieces and adapted to form a substantially water-tight connection with the floor of the cockpit to thus reduce the area of the cockpit when the seats are in their open position each seat and its front piece normally nested in a vertical position beneath the deck and capable of swinging inwardly towards each other and upwardly to a horizontal position when they are in their open position.

2. In a boat having a cockpit with a deck on the opposite sides of the cockpit and front and rear bulkheads defining the opposite ends of the cockpit, together with oppositely arranged longitudinally extending pivotal seats having their opposite ends abutting against the adjacent bulkheads, said pivotal seats each provided with a pivotal swinging coextensively extending front piece adapted to support the seat when in its open position and form a substantially water-tight connection with the floor of the cockpit to thus form a reduced-in-area and water-tight cockpit when the seats are in their open positions and the said seats also capable of being swung downwardly and under the aforementioned decks after the front pieces have been swung upwardly.

3. In a boat having side decks, a cockpit and front and rear bulkheads defining the opposite ends of the cockpit, together with longitudinally extending oppositely opposed pivotal seats extending the length of the cockpit and the ends abutting against the adjacent bulkheads, said pivotal seats each provided with a coextensively downwardly extending front-piece adapted to support the seat when in its open position, the seats with their front pieces adapted to be swung back under said decks when not in use and the front pieces forming substantially longitudinal bulkheads to thus reduce the area of the cockpit when the front pieces are swung downwardly and support said seats.

4. In a boat having side decks, cockpit and front and rear bulkheads defining the opposite ends of the cockpit, together with longitudinally extending oppositely opposed seats extending the length of the cockpit and the ends abutting against the adjacent bulkhead, hangers and the said seats respectively pivotal to said hangers and adapted to swing outwardly into the cockpit or inwardly if may be desired, the seats each provided with a coextensive pivotal front piece and said front pieces adapted to swing downwardly and upwardly, means for securing the said front pieces to the under surface of said seats when swung upwardly under the seats and the said front pieces when in their downward and seat supporting position also acting as longitudinal bulkheads for said cockpit to thus reduce the area and also form a water-tight cockpit.

ARNO A. APEL.

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