

low athwartships angle to extend across the path of water discharged across the inner chines as the boat drives forward to provide a supporting lift on her after portion; those portions of the surfaces forward which have the greater athwartships angle having superposed thereon long longitudinal steps, the downwardly facing surfaces of which steps have a small athwartships angle corresponding substantially to the angle of the said surfaces farther aft to provide a substantial component of force in the upward direction on lateral movement of the boat through the water; the bottoms of the steps also being disposed at a longitudinal angle of incidence to the horizontal to support the forward portion of the boat to compensate for the thrust on the surfaces aft and having abrupt rear shoulders discharging water thereover to the surfaces further aft.

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