



# Avoca

E. E. DICKINSON, JR.  
Owner

SPARKMAN & STEPHENS, INC.  
Designers

Resembling her predecessor Phoenix closely in appearance and style, the new fast cruiser, Avoca, recently completed for E. E. Dickinson, Jr., of Essex, Conn., is the result of much time and attention on the part of her designers, Sparkman and Stephens, New York. She was built at the plant of the Herreshoff Mfg. Co., at Bristol, R. I. Use was made of the facilities of the model testing tank at Stevens Institute in Hoboken in order to determine the most efficient and economical hull form for the vessel.



Avoca, a 69-foot high speed cruiser built for E. E. Dickinson, Jr., of Essex, Conn., from Sparkman and Stephens designs, by the Herreshoff Manufacturing Company at Bristol, R. I.





The engines which drive Avoca are in a compartment under the deck house and are a pair of 12 cylinder Kermath Sea Raiders of 500 h.p. each, which drive through 2 to 1 reduction gears and produce a speed of 27 knots, equivalent to 31 statute miles

Photographs by

M. Rosenfeld



Avoca has excellent accommodations for a fast boat, forward is a double stateroom, galley, and forecabin, while aft are two large double staterooms with two separate bathrooms, one of which carries a shower

That the designers' estimates of her ability were correct is borne out by the result of a recent test trip. The yacht was taken out off Newport on a stormy day with very heavy seas. She performed so well as to surprise all observers by her ability.

Avoca seems to be a flush deck craft, but actually the deck line is broken at the deck house and depressed to the after cabin line beyond which there is a small cockpit. Construction is most substantial, despite the fact that every effort was made to conserve weight. Specifications provided for oak keel and frames with a double planking of white cedar and Mexican mahogany.

Her length is 68 feet 9 inches with a beam of 13½ feet. The hull form is a Vee type with rather sharper sections than usual. Her model has proven to be excellent not only at high speed but also at relatively low speeds. Her easily driven form will permit a large cruising radius on the fuel supply carried.

The engines used to drive her are a pair of the large 12 cylinder Kermath Sea Raiders developing about 500 h.p. each. A Delco water cooled generating set supplies power to Exide storage batteries for all electric requirements.

