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pairing the efficiency of the faster turning motor.

The outstanding feature of Shadow is the unusually large deck house; it is furnished comfortably with built-in dining table, book case and writing desk. Surrounded by windows that are designed to drop into pockets, the house may be quickly converted into practically an open awning-covered bridge deck.

The leg-o-mutton ketch rig is almost an innovation upon a powerboat, and although

the general impression is that a powerboat will not sail any way except off the wind, Dr. Ayer says that his vessel, with a 25-mile-an-hour breeze, is able to point with a rap full as close as 7 points to the wind and foot along at a 2½- to 3-mile speed, with a leeway of about 1½ points. On a broad reach the speed is considerably more and the leeway very slight; the stability is greater than one might surmise, for even in a strong wind the angle of heel was but 15 degrees.

The Sailing Motor Boat Shadow

There are seldom two cruising boats built and rigged alike and, somehow, a boat-owner always has a number of ideas about which he has his craft constructed, and so

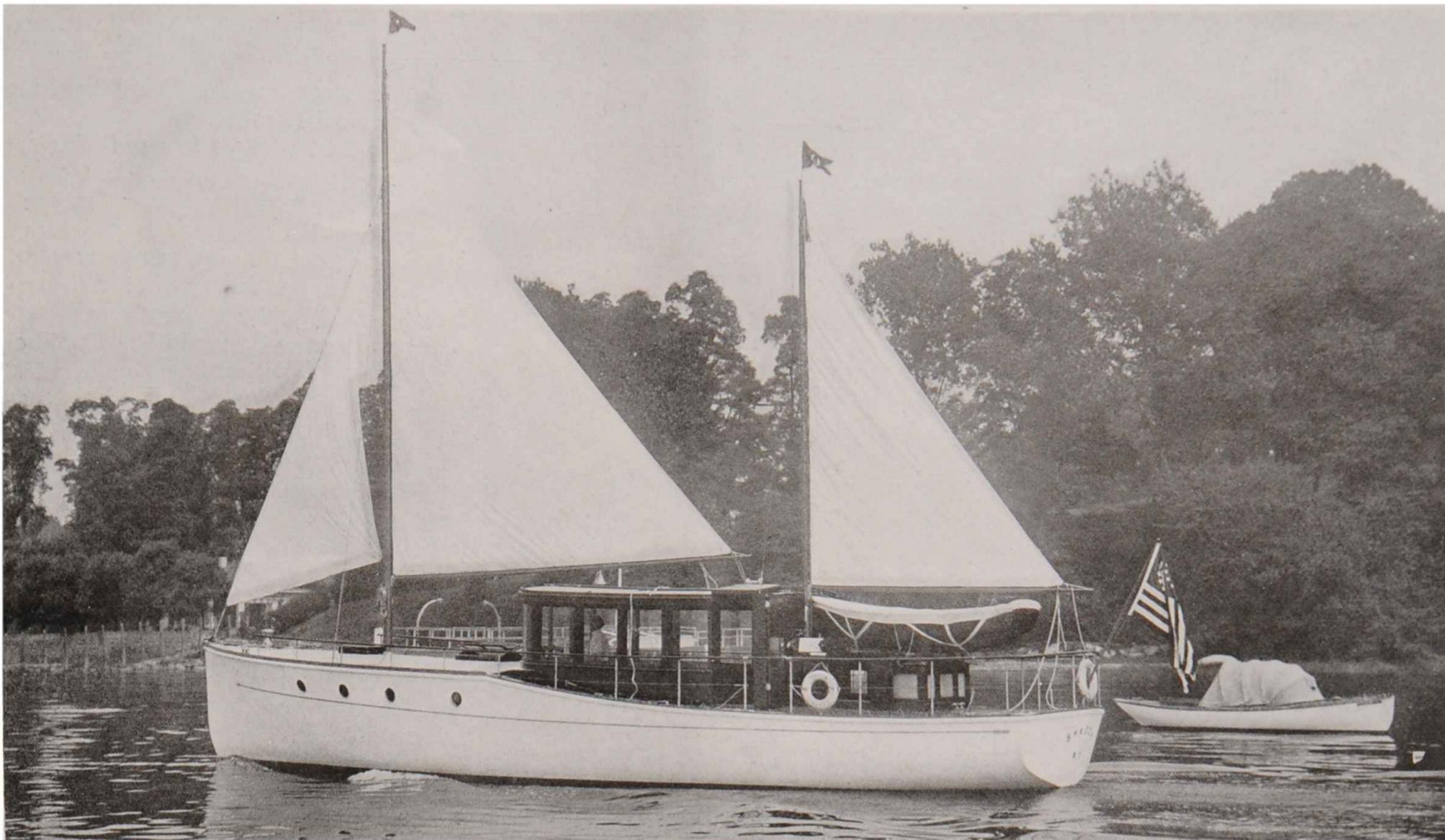


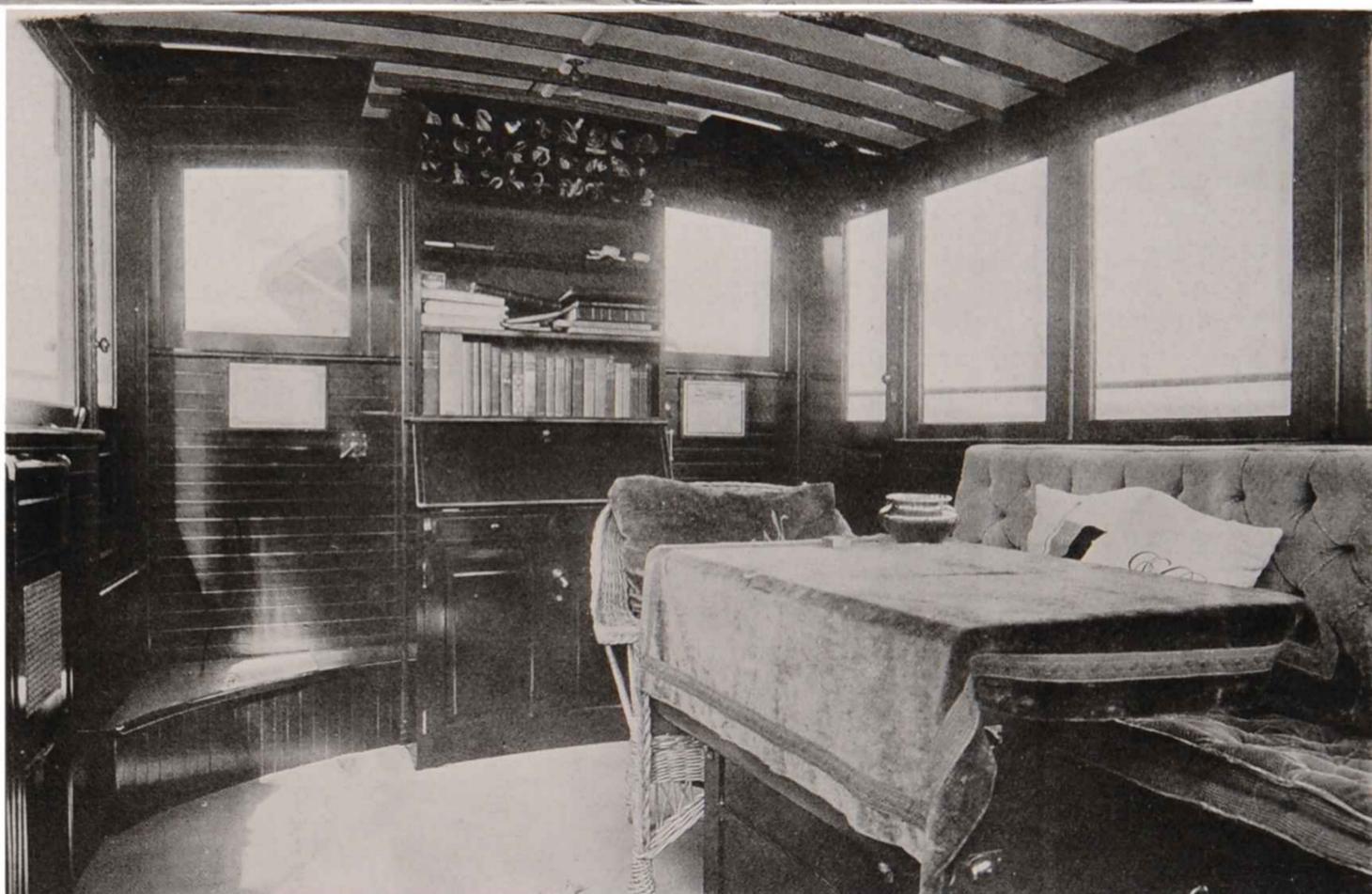
Photo by E. Levick

SHADOW, A 49-FOOTER, OWNED BY DR. J. C. AYER, WHICH HAS MANY UNUSUAL FEATURES. THE PILOT HOUSE AMIDSHIPS ADDS MUCH TO HER COMFORT, WHILE SHE CAN BE HANDLED UNDER SAIL ALONE

practically each one of the great fleet of American motor boats is unique in some degree. Now and then a craft appears that is quite different, and such a one is Shadow, owned by Dr. J. C. Ayer of Glen Cove, L. I., designed and built by the Herreshoff Manufacturing Company. Her length is 48 feet 7 inches, width 12 feet 2 inches, and draft 3 feet 6 inches.

A four-cylinder, 5½-inch by 6-inch bore and stroke Van Blerck motor of 50 horsepower, turning 850 revolutions per minute, with electric starter and lighting set, propels the craft at a speed of 10 miles an hour. An unusual feature of the motor installation is the inclusion of a gear box that allows the propeller shaft speed being reduced so that a slower turning, more efficient propeller may be used without im-

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THE PILOT HOUSE OF SHADOW MAKES A FINE DECK ROOM