

Deck stringer plates to be of steel 7/32" x 26" amidships  
**S P E C I F I C A T I O N S.**

reduced to 3/16" x 15" forward and aft. To be secured to  
No. 435.

plating by ~~xxxxxx~~ 2-1/4" x 2-1/4" steel angles.

Deck to be laid in narrow strakes of clear seasoned,  
Length over all,-----about 121 feet.

white pine 2-3/8" thick.  
Length on water line,----- " 85 "

Around the deck will be a covering board of white oak and  
Beam, extreme,----- " 24 "

above this to be a water way, or rail timber, about 3" high, of  
Draft of water,----- " 14' 6".

elm or oak, constructed in such a way that it can be removed  
Keel to be of steel plate 3/4" thick, having 4" x 4" x 1/2"  
and bulwarks, and stanchions, substituted at some future time.  
steel angles at edge to receive garboards.

Above water way to be light steel, removable, stanchions  
Frame, for the principal part, of steel angles 3" x 2" x

9/32". The lower part, through the center body of yacht, to be

All openings, skylights and communication ways to be of oak  
3" x 2-1/2" x 3/8" and at ends 3" x 2" x 1/4" and 2" x 2" x

1/4". The frame angles to be strengthened by reverse angles

of skylights and hatch.  
to extend beyond the hollow of floor and those in wake of

To be a light steel bulkhead aft of fore peak. In fore-  
mast, and alternate ones amidships, to extend to the gunwale.

peak to be a water closet for crews use, with a flush ventila-  
tor in deck.  
Frames to be spaced 20" center to center.

Deck beams, on alternate frames, of steel ~~xxxxxx~~ bulb an-

gles, 5" x 2-3/4", and to be secured to frames by gusset plates.

There will be a system of diagonal straps on the top of

Aft of fore-castle to be the galley fitted complete ready  
deck beams, riveted to them and to the mast partners, and to

for use with galley stove, sink, pumps connected to tanks, racks  
deck stringer plates.

Floor plates to be 5/16", 1/4" and 7/32" thick; alternate

On the port side of galley to be space for steward and  
ones as high as hollow of floor.

Plating to be of steel as follows, viz:-

Ice room to be under the after part of galley.

Garboard plates to be 7/16" thick. 3/8" aft.

Aft of galley, on port side, to be a pantry fitted with  
Second strake plates to be 3/8" thick. 5/16" aft.

Third strake plates to be 5/16" thick. 1/4" aft and for-

ward.  
On the starboard side to be a room for sailing master,

All plates above to be 1/4" thick, reduced to 7/32" for-

ward and 7/32" and 3/16" aft. Strake laid "in and out" with

end butts double riveted and laps single riveted.



Deck stringer plates to be of steel, 7/32" x 26" amidships reduced to 3/16" x 15" forward and aft. To be secured to plating by ~~xxxxxxx~~ 2-1/4" x 2-1/4" steel angles.

Deck to be laid in narrow strakes of clear, seasoned, white pine 2-5/8" thick.

Around the deck will be a covering board of <sup>yellow pine</sup> white oak and above this to be a water way, or rail timber, about 6" high, of <sup>yellow pine</sup> elm or oak, constructed in such a way that it can be removed and bulwarks, and stanchions, substituted at some future time.

Above water way to be light steel, removable, stanchions for a life line.

All coamings, skylights and companionways to be of mahogany and there is to be light racing hatches to take place of skylights and booby hatch.

To be a light steel bulkhead aft of fore peak. In fore-peak to be a water closet, for crews use, with a flush ventilator in deck.

Fore-castle to be about 25 feet long and to contain 22

folding berths, and lockers for the crews use.

Aft of fore-castle to be the galley fitted complete ready for use with galley stove, sink, pumps connected to tanks, racks filling pipes and emptying cock for water tank. Drain pipes for dishes etc.

On the port side of galley to be a room for steward and crater. Pump and connections, with sea-cock, for emptying waste to starboard a room for two cooks.

Ice room to be under the after part of galley.

Afte of galley, on port side, to be a pantry fitted with sink, pump, refrigerator, racks for dishes etc.

On the starboard side to be a room for sailing master, fitted with berth, lockers and desk.

Amidships, and next aft of galley, to be a water closet in small room with flush ventilator in deck, and also a closet.



18

part of vessel will these rooms to be an open space about 13' 4" long, to be used as a sail room, mess room, and sleeping quarters for four officers, and to be fitted with four folding berths and lockers for officers effects. <sup>for</sup> <sup>and Steward</sup> ~~ating port over water closet.~~

15 The after part of vessel, to be fitted with three, or four, sleeping rooms, with berths, lockers or drawers, wash bowls etc. The after room to have two berths. Also to be a lavatory with water closet, and wash stand with pump from tanks. Also a dining room with swing table and transoms, to be used as to  
20 berths etc. Mainsheet buffers.

The officers, and crews quarters, to be provided with mattresses, pillows and bedding, and the galley to be provided with stove, cooking utensils, dishes and cutlery for use of the crew. All necessary cleats, chocks, eyes etc., to be secured to  
15 The rooms, in after part, to be provided with mattresses, deck where needed. springs and cushions not covered.

Capstan head, deck cleats and check to be of bronze. All  
25 Below the floor to be chain lockers, coal lockers, provision room, ice room, waste tank and copper water tank of about  
30 Binnacle to have a liquid compass with 8" card.  
1000 gallons.

Steering wheel to be of mahogany with bronze trimmings,  
20 Plumbing, to be complete, and will connect the water tank  
42" diameter.  
by three pumps to sinks and wash stands above named. To be  
Steering gear to be "Edsons Patent Oscillating".  
filling pipes and emptying cock for water tank. Drain pipes

Rudder stock to be of forged steel.  
into waste tank from two sinks, wash stand, ice room and refrigerator. Pump and connections, with sea-cock, for emptying waste  
25 built of cedar, with all fittings, and hung on forged steel  
tank. Pipeing and sea-cocks for three water closets. Bilge  
davits.

30 pump with connections and sea-cocks  
about To have a deck force pump with 100 feet of 3/4" hose and  
sea suction. of 30 fathoms each, one anchor of about 112 pounds

with Deck fittings to consist of bowsprit supporting and extending gear, two chain stoppers and hawse pipes, ventilating  
35 ports over ~~forepeak~~ forepeak, booby-hatch and coaming over  
forecastle, capstan, small flush ventilating hatch over after



part of fore-castle, small flush ventilating hatch over forward  
part of galley, galley pipe iron, Mast partners with five  
rail, lead blocks etc. Hatch coaming and skylight over ~~after~~

after part of galley, small ventilating port over water closet.

5 of ~~best~~ Large hatch, and coaming, over sail room. <sup>Hatch & coaming aft part of sail room.</sup> Hatch and sky-  
light over dining room. Ventilating port over water closet.

~~Companionway, with raised top and side windows to venti-  
late the after part of vessel.~~ Small skylight over the after

state room. Binnacle, steering wheel and gear. Flush hatch to

16 lazarette. Mainsheet buffers. ~~best quality crucible steel~~

~~rope~~ The sleeping rooms to be ventilated, and lighted, by pas-  
sage way, and where extra light is required glass is to be used  
set in the deck. ~~strand manilla.~~

15 All necessary cleats, chocks, eyes etc., to be secured to  
deck where needed. and light as possible for the required

3. Capstan head, deck cleats and chock to be of bronze. All  
steel and iron work to be of best make and galvanized.

and 2. Binnacle to have a liquid compass with 8" card. 1, 2 &

3. Steering wheel to be of mahogany with bronze trimmings,

20 42" diameter. to be supplied with sail covers, bars and sail

stops. Steering gear to be "Edsons Patent Oscillating". <sup>diamond screw</sup> or <sup>Reebs</sup>

All sails, excepting the last four named, to be made from  
Rudder stock to be of forged steel.

Sea Island cotton especially spun and roven.

To have two boats, one 14 feet, the other 18 feet long,

25 Baloon jibtop-sail and spinnaker to be of imported linen &  
built of cedar, with all fittings, and hung on forged steel  
twill and the No. 3 jib and trysail of 22" best duck.  
davits.

Ground tackle to consist of two steel anchors, one of  
about 450 pounds, the other about 350 pounds, two 3/4" B. B. E.,

chain cables of 30 fathoms each, one anchor of about 112 pounds  
with 75 fathoms manilla cable. Also to be a hawser, or tow

30 line, of 75 fathoms 5-1/2" manilla, two mooring lines of 12  
fathoms each, 4" manilla.

Yacht to have all necessary spars, blocks, standing and



running rigging to properly handle the sails, and to be rigged with the object of racing in the American waters under the rules of the New York Yacht Club. Mast, boom, gaff, topmast, bowsprit and spinnaker boom to be of best quality Oregon Pine.

Topsail yard and club of best quality Spruce. Blocks to be of the best make, with steel straps and attachments, with sheaves generally of brass and metaline bushings. Each block to be tested. Standing rigging to be of best quality crucible steel rope and set up with steel turn buckles. Running rigging to be of flexible, crucible wire rope and best quality three strand manilla.

Mast head work, and metal work generally on spars, to be of forged steel and light as possible for the required strains, and details, necessary and usual to equip the yacht.

Sails to consist of mainsail, fore staysail, jibs Nos. 1 and 2. Gaff topsails Nos. 1 and 2. Jib topsails Nos. 1, 2 & 3. Baloon-foresail, baloon jib-topsail, spinnaker, No. 3 jib and trysail, and to be supplied with sail covers, bags and sail stops.

All sails, excepting the last four named, to be made from Sea Island cotton especially spun and woven.

Baloon jib topsail and spinnaker to be of imported linen & twill, and the No. 3 jib and trysail of 22" best duck.

Yacht to be ballasted entirely with lead and to be placed as low as possible.

The inside wood work to be simple paneling, in part, and in part of matched work, and as light as possible. To be of white pine, varnished in forward part and of a light soft wood, painted, in the after part.

Painting

*Am*



Miscellaneous.

Fit boards for side lights, boat booms, 2 mahogany gangways for starboard and port and a neat accommodation ladder with mahogany grating, with brass stanchions.

Painting.

The interior of hull to receive two good coats of red lead etc., all hard wood finish shall be carefully filled and varnished, the deck properly traversed and planed to a true surface. The top of lodger plate, beams and ties, before laying deck, to be thickly spread with white, or red, lead.

The hull, topsides, to receive one priming and two finishing coats of white, or black, paint.

Name, and port, to be gilded on stern.

While these specifications do not specify all things intended to be provided, it is understood that such customary fittings, and details, necessary and usual to equip the yacht, and that are at present omitted from specifications, shall be provided and they are hereby made a part of these specifications.







