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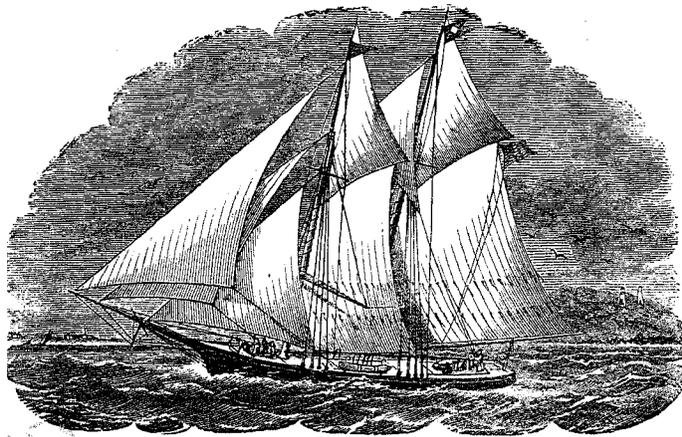
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MINIATURE
YACHT MANUAL.



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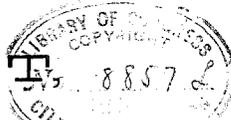
BUILDER OF

MINIATURE YACHTS OF ALL KINDS,

Catamarans and Marine Models,

338 HUMBOLDT STREET,

BROOKLYN, N. Y.



(1880)

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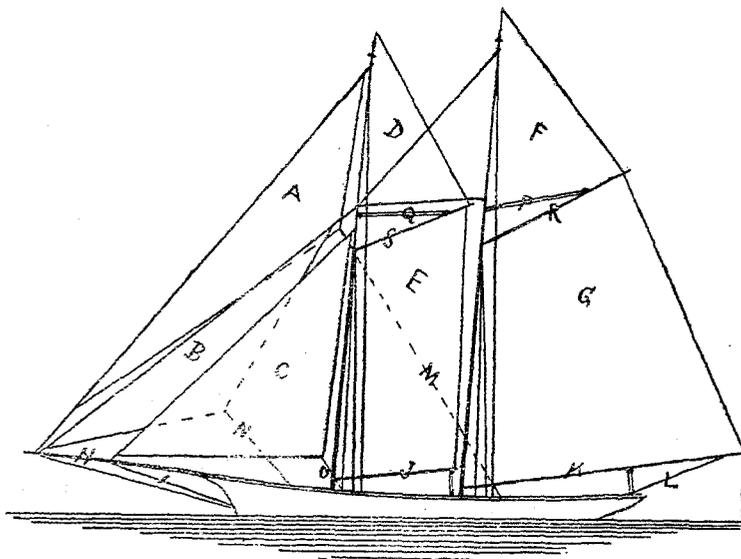
MANUAL
OF
MINIATURE YACHTING,
BY
O. M. BLUNT.

A visit to Prospect Park Lake in Brooklyn, or Central Park Lake in New York, on a pleasant afternoon during the Spring or Summer months, will convince almost any one that Miniature Yachting has been truly brought to a science.

At either lake you will see hundreds of the youth of the two cities with their beautiful little yachts, shaped, painted and rigged by skilled hands, and as the little fleet sails along one would almost believe that a pigmy crew were on each boat, so true do they keep to their course.

In each city are several Miniature Yacht Clubs, and during the season, when the "big boats" are sailing their races, the young yachtsmen meet at their favorite lakes, and many an exciting contest for prizes is had between the various little craft, all sailing in strict conformity to the rules of yacht sailing and laws of navigation.

Knowing that there are a great many young gentlemen in other cities who would take a great interest in forming clubs and sailing miniature yachts, if they only knew how to do it, I have written this little book of instruction, hoping it will be the means of helping them to pass many a pleasant hour.



MINIATURE SCHOONER YACHT.

Description of Sails, &c.

A.—Jib Topsail.	K.—Main Boom.
B.—Flying Jib.	L.—Main Sheet.
C.—Jib.	M.—Jib Topsail Sheet.
D.—Fore Gaff Topsail.	N.—Flying Jib Sheet.
E.—Foresail.	O.—Jib Sheet.
F.—Main Gaff Topsail.	P.—Main Peak Halyards.
G.—Mainsail.	Q.—Fore Peak Halyards.
H.—Jibboom.	R.—Main Gaff.
I.—Bob-Stay.	S.—Fore Gaff.
J.—Fore Boom.	

MINIATURE YACHTING DICTIONARY.

- Abaft.* Towards the stern, as, abaft the mainmast.
Abeam. At right angles with the keel.
About. Changing the tack, going on the other tack.
Adrift. Let loose from moorings.
Amidships. In centre of boat.
Back Stays. Ropes that run from the head of the topmast, back of the shrouds, and fastened to side of yacht.
Ballast. Lead placed in keel to keep boat from upsetting.
BeLAY. To make fast a rope.
Bending a Sail. Making it fast to a mast or spar.
Bob Stay. A rope fastened one end to end of bowsprit, and the other end made fast to the cut-water, half way down.
Boom. Spar to which the bottom of the sail is bent.
Bow. Forward end of yacht.
Bowsprit. A spar running out the forward end of the boat to set the jib on.
Bowsprit Foot Ropes. Ropes made fast to outer end of bowsprit and to both sides of the boat forward of the rigging.
Bulwarks. The sides of boat above deck.
Cleats. Pieces of wood or brass to which ropes are made fast.
Cut-Water. The extreme front of yacht at water line.
Draught. The depth of water required to float a boat.
Flying Jib-Stay. Rope running from head of foremast to end of jib-boom.
Fore and Aft. Lengthwise of the boat.
Fore Boom. A spar to which the bottom of foresail is bent.
Foremast. The first mast in a yacht.
Fore Topmast. Continuation of foremast.
Fore Topmast Backstay. Backstay on the fore topmast.
Free Wind. Wind on your quarter.
Haul. To gather up sail.
Gaff. The spar to which the top of a fore or mainsail is bent.
Gaff Topsails. Triangular sails above either fore or mainsail.
Halyards. Ropes to hoist or lower sails.
Haul Aft. To pull aft.
Helm. Steering apparatus.
Helm Up. Is from the main boom when sailing. *Helm Down.* Is toward the main boom when sailing, *always*.

Hoops. Rings to hold sails to masts.

Jib. Sail bent on jib-stay.

Jib-Boom. A spar attached to the bowsprit and extending out beyond it.

Jib-Stay. A rope from the lower part of foremast head to end of bowsprit.

Jib Top Sailstay. Rope running from head of fore topmast to end of jib-boom.

Jib Topsail. Sail bent on jib topsail stay.

Lee Shore. A shore on which the wind is blowing.

Leeward. In direction of the wind.

Luff. To run up in the wind, which will cause the sails to shake.

Main Boom. Spar to which bottom of mainsail is bent.

Mainmast. The mast behind the foremast.

Main Topmast. Continuation of mainmast.

Main Topmast Backstay. Backstay on main topmast.

Main Topmast Stay. A rope from head of main topmast to head of foremast.

Martingale, or Dolphin Striker. Brace under jib-boom.

Mast. The upright spar of the boat.

Masthead. Top of mast.

Misstays. To fail in tacking or going about.

Peak Halyards. Halyards attached to outer end of gaffs to lower sails.

Port. The left hand side of a vessel as you face the bow.

Quarter. Half way between the stern of a boat and amidships.

Reef. Tying up a part of a sail.

Rudder. A movable piece of wood under the stern of a boat to steer with.

Scud. To sail before the wind.

Sheets. The ropes used for hauling in the different sails to make them draw, and holding them in their places, and are also named after the respective sails to which they are fastened. Remember that *sheets are ropes and not sails*.

Shrouds. Ropes from mastheads to both sides of boat, and used to support the mast, and named according to mast.

Splicing. To join two ropes.

Spring Stay. A rope from head of foremast to head of mainmast.

Starboard. The right hand side of a boat as you face the bow.

Stays. Ropes leading from masthead to deck or other masts.

Tack. To turn a boat with her head to the wind from one side to the other.

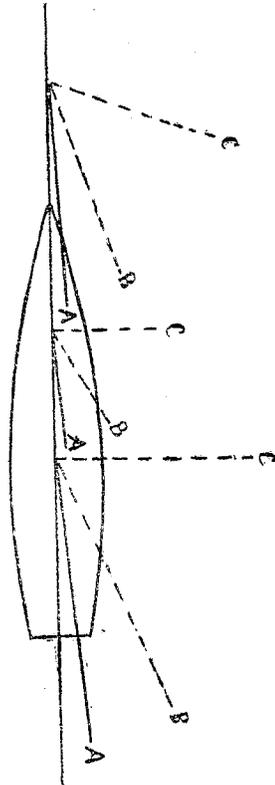
Throat. The upper end of a sail nearest to the mast.

Throat Halyards. Rope attached to throat of sail to hoist it.

Travelers. Wide staples in deck which allow sails to slip from starboard to port.

Unbend. To unfasten sails from spars.

Windward. Toward the wind, against the wind.



The above Diagram shows the Deck Plan of a Schooner.

In sailing to windward trim your sails in the position marked A A A.

In sailing free wind trim your sails as marked in diagram B B B.

In sailing before the wind or scudding trim sails as marked C C C.

Directions for Sailing a Miniature Yacht.

Hoist all your sails till they stand smooth. See that the sails and rigging are in perfect order and everything made fast. If the wind is blowing hard and you are required to shorten sail, begin by taking in sail in the following order: jib topsail, fore and main gaff topsail, and then flying jib and foresail if necessary. If at any time the lee rail is well under water, you are carrying too much sail to get full speed out of your boat, you must shorten sail in the order above until your rail is out of water. Beating to windward is the most desirable way of sailing; to do it haul in your mainsail pretty close, the foresail a little closer, the jib same as mainsail, the flying jib a little closer than the jib, and the jib topsail a little closer than flying jib (as shown in diagram); set your rudder straight and place your boat in the water, pointing her against the wind. If the boat runs up into the wind so that the sails shake, you must turn the rudder a little from the wind until she steers her proper course.

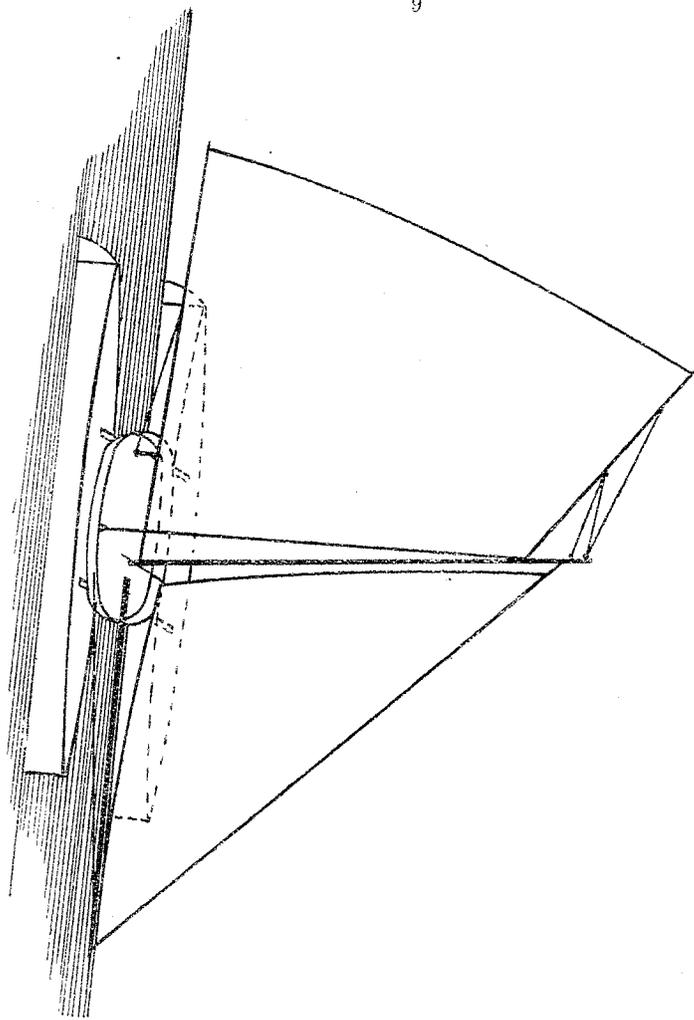
In sailing free wind, which is with the wind blowing on your quarter, slack off all sails till the booms are at an angle of 45 degrees with the keel.

To sail to leeward, or before the wind, slack off all your sails at right angles with the keel.

In sailing a sloop yacht or catamaran, follow the same rules as to mainsail, gaff topsail, jib and jib topsail in schooners.

CATAMARANS.

The cut on opposite page represents a Catamaran, which is simply two peculiar shaped boats, properly fastened together abreast, and rigged as a sloop, but nevertheless they are the fastest sailing boats that are built; in fact they can outsail any steamboat or ship that ever was built, and sail faster than any horse can trot, and I have been informed by the sailing-master of the Catamaran "Taratula," which is 32 feet long, that his boat has attained a speed of 30 miles an hour. The miniature Catamarans will outsail any other miniature boat, but are not allowed to enter yacht races against other boats, from the fact that they are sure to win the prizes. They look very pretty on the water, and sail about seven miles an hour, and only require the same handling as any other sloop.



O. M. BLUNT,
BUILDER OF
MINIATURE YACHTS
OF ALL KINDS,
Miniature Steam Yachts,
CATAMARANS AND MARINE MODELS,
338 HUMBOLDT ST.,
BROOKLYN, N. Y.

I have on hand and build to order Miniature Craft of all kinds, which are made of the best materials and manufactured in the most approved style, built on the best models, finished off handsomely, and rigged so as they will sail true. They are not Toy Boats, but genuine Yachts in miniature.

DESCRIPTION AND PRICE LIST.

SCHOONERS.

No. 1.

Size, 18 inches long, 5 inches wide, $5\frac{1}{4}$ inches deep amidships.

Price \$2.50

No. 2.

Size, 24 inches long, $7\frac{1}{2}$ inches wide, and $6\frac{3}{8}$ inches deep amidships.

Price \$5.00

No. 3.

Size, 30 inches long, 9 inches wide, and $8\frac{3}{8}$ inches deep amidships.

Price \$9.00

No. 4.

Size, 36 inches long, 10 inches wide, and $10\frac{1}{8}$ inches deep amidships.

Price \$15.00

No. 5.

Size, 48 inches long, 12 inches wide, and $11\frac{1}{2}$ inches deep amidships.

Price \$25.00

No. 6.

Size, 60 inches long, 15 inches wide, and $15\frac{3}{4}$ inches deep amidships.

Price \$40.00

SLOOPS.

No. 1.

Size, 18 inches long, 5 inches wide, $5\frac{1}{4}$ inches deep amidships.

Price \$2.25

No. 2.

Size, 24 inches long, $7\frac{1}{2}$ inches wide, and $6\frac{3}{8}$ inches deep amidships.

Price \$4.50

No. 3.

Size, 30 inches long, 9 inches wide, and $8\frac{3}{8}$ inches deep amidships.

Price \$8.00

STEAM YACHTS

Will be built any size desired, from No. 1 size, 18 inches in length.
price, \$3.00, up to 5 feet in length.

CATAMARANS.

No. 1.

Size, 48 inches in length, sloop rigged.

Price\$15.00

No. 2.

Size, 60 inches in length, sloop rigged.

Price\$20.00

These Schooners, Sloops, Steam Yachts and Catamarans are each built of clear white pine and white cedar, and trimmed with black walnut and white holly, excepting No. 1, Sloop or Schooner, which has no black walnut trimmings. All the keels are lead. The decks and spars are varnished. They are painted any two colors desired in the following list:

	White with Gold Bottom,	
	“ “ Bronze “	
	“ “ Green “	
Black	“ Gold “	
	“ “ Bronze “	
	“ “ Green “	
..	“ Red “	
Maroon	“ Gold “	
..	“ Bronze “	

These are the prettiest colors, but any other color will be put on if desired.

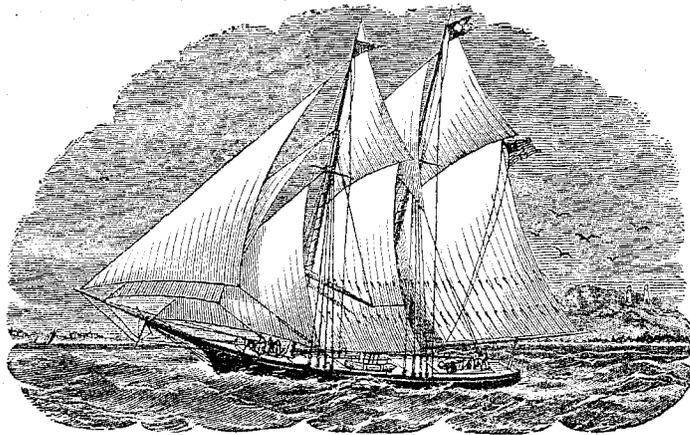
Estimates will be made for building any kind of miniature boat, in any style or of any material. All kinds of Miniature Yacht materials, small boilers and engines on hand and made to order. All work warranted and sent C. O. D. to any address.

Any other information relating to Miniature Yachts or forming clubs, will be cheerfully furnished to any one applying by letter or otherwise.

To any Miniature Yacht Club in which not less than five boats of my manufacture are owned, I will send a suitable prize each season to be sailed for.

O. M. BLUNT,
 Builder of Miniature Yachts, etc.,
 338 HUMBOLDT ST.,
 BROOKLYN, N. Y.

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