

CYGNUS CLASS ASSOCIATION

MEMBER: CANADIAN YACHTING ASSOCIATION



CYGNUS CLASS ASSOCIATION

CONSTITUTION

BY-LAWS

CONSTITUTION

Article I NAME

This body of sailors and other interested persons shall be named the "Cygnus Class Association" and may hereinafter be called the "Association".

Article II PURPOSES

The purposes of the Association shall be to bring together all sailors and other persons who are interested in the Cygnus Class of sailboat, to promote and develop such interest by creating and maintaining standard specifications and rules respecting the Cygnus as a class sailboat, to provide for regattas and to take all other actions as shall be in the best interests of the members of the Association, to maintain the one design features of the Cygnus Class sloop, as designed by Hinterhoeller Limited, to ensure competition between boats of identical design, further to ensure that all Cygnus Class races shall be to determine the skill of the skipper and crew, and that design changes intending to increase the cost and to outclass boats now certified by the Cygnus Class Association shall not be permitted.

Article III MEMBERSHIP

Full membership shall be open to all owners or part owners of a Cygnus Class Sloop upon their application being approved by the Executive Committee and upon payment of the prescribed annual membership fees. Honorary members may be elected by a three-fourth vote of the members present at any annual meeting and such honorary members shall be entitled to all of the privileges of the Association without payment of membership

Article III MEMBERSHIP (continued)

fees. Membership in this organization implies that the applicants agree to abide by all rules of the Constitution and By-Laws. Privileges are to partake in all Cygnus Class Association functions, activities, social and sailing, and shall have the privilege of voting at all General Meetings, one vote per boat, and to hold office in the Cygnus Class Association.

Article IV GENERAL MEETINGS OF MEMBERS

(i) General meetings of the members shall be held at such time and place as the President and Secretary-Treasurer shall determine and shall be called by a notice signed by the Secretary-Treasurer specifying the time and place of such meeting and the principal business matters to be transacted thereat, and such notice shall be mailed by ordinary post to all members at their last known address at least thirty days prior to the date of such a General Meeting.

(ii) There shall be at least one General Meeting of the membership each year which shall be held within three months of the end of the fiscal year of the Association and which shall be known as the "Annual General Meeting".

(iii) A Special General Meeting may be called upon thirty days notice by the Executive Committee or by ten members in good standing specifying the time and place of such meeting and the principal business matters to be transacted thereat and such notice shall be mailed by ordinary post to all members at their last known address at least thirty days prior to the date of such a Special General Meeting which shall be governed by the Constitution and By-Laws.

(iv) A Quorum of members for the transaction of business at any General Meeting or Special General Meeting shall consist of ten members in good standing present in person which figure shall include Executive Officers.

Article IV GENERAL MEETINGS OF MEMBERS (continued)

(v) A General Meeting of the Association shall not be competent to vote on any matter of which due notice shall not have been given in the notice calling such meeting. A General Meeting will hear motions or proposals from the floor as New Business, which may be referred to a committee competent to examine such new business, but the General Meeting shall not vote on such a proposal at that same meeting.

Article V ELECTION OF OFFICERS

(i) The Executive Committee may appoint a nominating committee or may propose a slate of officers prior to the Annual General Meeting which slate of officers shall be promulgated by the Secretary-Treasurer in the notice calling that meeting.

(ii) Nominations will be received by the Secretary-Treasurer up until 48 hours of the date and time of the Annual General Meeting and must be made by a member in good standing and seconded by a member in good standing which nominations shall be presented at the Annual General Meeting.

(iii) The elections for the Executive Committee shall take place once a year at the Annual General Meeting at which there shall be nominated and elected by a majority of the members present in person or by proxy, a President, Vice-President, Secretary-Treasurer and one Executive Officer. The retiring President shall automatically be an Executive Officer for the ensuing association year. All Officers so elected shall hold office until the next Annual General Meeting.

Article VI DUTIES OF OFFICERS

(i) The President is the Chief Executive Officer and shall preside at all meetings and serve as Chairman of the Executive Committee. He shall rule on

Article VI(i) DUTIES OF OFFICERS (continued)

procedure, jurisdictions, summarize discussions, appoint special committees, and authorize the payment of all bills. He shall be an ex-officio member of all committees.

(ii) The Vice-President shall in the absence or incapacity of the President, perform the duties of the President.

(iii) The Secretary-Treasurer shall be in charge of all secretarial work of the Association. He shall be responsible for the Minutes of the Meetings, Records, General Information, and correspondence. He shall receive all dues and shall be in charge of all funds of this Association. He shall disburse monies only on the order of the President. He shall prepare and submit Annual Financial Statements to the members at the time notice of the Annual General Meeting is given and generally shall perform the duties of a Secretary-Treasurer.

(iv) The Executive Officers shall advise and assist the other members of the Executive Committee in performance of their duties.

Article VII EXECUTIVE COMMITTEE

(i) The Officers of the Association shall be a President, Vice-President, Secretary-Treasurer and two Executive Officers, all of whom shall constitute the Executive Committee.

(ii) Executive Committee meetings shall be held at such time and place as the President and Secretary-Treasurer shall determine and shall be called by the Secretary Treasurer by due notice to all members of the Executive Committee at least ten days prior to the date of such meetings, provided that if all members of the Executive Committee waive notice and consent to the

Article VII(ii) EXECUTIVE COMMITTEE (continued)

transaction of business, such meetings may be deemed to have been regularly constituted. Three members present shall constitute a quorum.

(iii) Voting on all questions of Executive Committee may be by mail.

(iv) The Executive Committee herein provided for shall function between General Meetings of the Association for the purpose of performing such duties as may be designated by the Constitution and By-Laws. It shall have the ordinary powers of a Board of Directors with regard to the business of the Association not inconsistent with any statutory provisions and not inconsistent with the Constitution and By-Laws, provided that such power to bind shall be exercised by way of resolution of the Executive Committee duly recorded in the Minutes of the Executive Committee Meetings at which such matters shall have been considered and provided further that any such resolutions shall be subject to approval and ratification by the members at the next General Meeting of members, whereupon, by a two-third majority of members present in person or by proxy such resolutions may be enacted by By-Laws of the Association.

Article VIII ORGANIZATION

The Association shall consist of Regional Fleets. Geographical regions shall be established by the Executive Committee where there is deemed to be a sufficient number of boats in a given area. Sufficient shall be defined as three or more boats. The definition of the geographical regions may be redefined at the discretion of the Executive Committee. There shall be a Regional Commodore for each Regional Fleet elected by the members only of that region which election for the ensuing year shall take place prior to the Annual General Meeting. He shall be a member of the Cygnus Class

Article VIII ORGANIZATION (continued)

Association and will conduct general association affairs and have general supervision over all Cygnus Class activities in that region and act as liaison officer with the Executive Committee. He may be called upon to investigate any dispute which may occur and will report his findings to the Executive Committee within a reasonable length of time which Committee may render a decision on the cause of the dispute which decision shall be binding on that member. He may upon occasion be delegated as Official Representative of the Association.

Article IX SAILING COMMITTEE

(i) There shall be a Sailing Committee of not less than three members which shall be appointed by the Executive Committee. One of the members of the Sailing Committee shall be a member of the Executive Committee, provided that the members at the Annual General Meeting may by resolution or election as they may determine, select the members who shall constitute the Sailing Committee. The Sailing Committee shall coordinate and organize with the approval of the Executive Committee all cruising and racing activities. The Sailing Committee shall have full charge and supervision of the Annual Regatta, and all arrangements in connection therewith, and in particular and shall have the power to make any rulings that are considered necessary in the interests of water safety. The Sailing Committee may recruit assistance as it sees fit for regattas or other sailing activities.

(ii) There shall be a provision made for an Annual Competition known as the Annual Regatta to determine a Cygnus Class Champion.

(iii) The time and place of the Annual Regatta shall be determined at the Annual General Meeting of the members of the Association.

Article IX SAILING COMMITTEE (continued)

(iv) The racing rules of the International Yacht Racing Union shall be binding and shall govern the racing at the Annual Regatta. All disputes arising will be referred to the Protest Committee which shall be appointed by the Executive Committee and the decisions of the Protest Committee shall be final and binding in all disputes.

(v) All members of the Association shall be eligible to participate in all racing and cruising events of the Cygnus Class Association subject to Article X.

Article X SPECIFICATIONS COMMITTEE

There shall be a Specifications Committee of not less than three members, all of whom shall be appointed by the Executive Committee, one of the members to be a member of the Executive Committee, provided that the members at the Annual General Meeting may by resolution or election, as they may determine, select the members who shall constitute the Specifications Committee. The Specifications Committee shall be charged with such duties relative to the maintenance and administration of standard specifications as per By-Law IV, and shall have the sole and exclusive jurisdiction to determine whether or not any Cygnus entered by a member conforms to the specifications binding on the Cygnus class of sailboat.

Article XI GENERAL

(i) Any officer or member of the Association may be removed or expelled by a vote of four of the five members of the Executive Committee after having been given due notice of the meeting to be held for the purpose of considering the removal or expulsion of such officer or member which notice shall specify the object of such meeting and provided that at such meeting such officer or member shall be given the full opportunity of being present and to be heard.

Article XI GENERAL (continued)

(ii) This Constitution and any By-Laws may be amended at any General Meeting of the Association by a two-thirds majority vote of the members present, or by proxy, and such meetings may enact By-Laws for the government of the Association, provided that notice of such proposed amendments of By-Laws shall have been given to the Secretary-Treasurer at least fifteen days prior to the date of the General Meeting at which such are to be considered.

(iii) This Constitution as adopted by the membership at the General Meeting of March 1, 1969, is the duly ratified, approved and confirmed Constitution of the Cygnus Class Association.

BY-LAWS

No. I Fees - Each owner of the Cygnus Class boat shall pay to the Association the sum of Five Dollars (\$5.00) per year, such fees to be payable by the owner of the boat and shall become due or payable on or before October 1st of each year.

No. II The Fiscal Year of the Association shall end on September 30th in each calendar year.

No. III Application for membership shall be made to the Secretary-Treasurer in writing accompanied by the annual fees.

No. IV Specifications - See Page 10.

No. V Crew required - At least two (2) persons including the skipper shall be aboard each Cygnus throughout each race. (Amended March 23, 1968.)

1. OBJECTS OF THE CLASS

The object of this restricted class shall be to promote and to develop in the Cygnus Class as a family racing and sailing boat by creating and maintaining standard specifications and rules, and to provide for regattas, and to take all actions that shall be in the best interests of the members of the Association. Also maintain the one-design features and ensure competition of the Cygnus Class sloop as designed by Hinterhoeller Limited, and further, ensure that all Cygnus Class races shall be to determine the skill of the skipper and the crew, and that design changes intending to outclass boats now constituting the Cygnus Class shall not be permitted.

If it has been considered that there has been any intentional distortion of hull shape even if not contravening prescribed measurements, or any other attempt to depart from the spirit of these rules, this shall be disallowed by the Cygnus Class Association.

This restricted class shall consist of fin keel, ballasted centreboard, and centreboard versions which are recognized by the Association to perform equally.

To achieve these objectives, the following rules have been adopted, along with the attached drawings, Figures 1 to 5(a), which are an integral part thereof. In case of conflict between the written specifications and the drawings, the written specifications shall prevail.

2. HULL DIMENSIONS

The completed hull shell shall be of uniform thickness throughout except where it fays with other members, or where stiffness is required. The

minimum thickness of fiberglass hulls to be 3/16 of an inch, and shall be built only by Cygnus Class Association approved builders on Cygnus Class Association certified moulds. The following guidelines are provided, which shall be adhered to:

- 2.1 The overall length of the hull, excluding normal rudder fittings, measured from the outside of the transom to a point where the line of the deck meets the line of the stem shall not exceed 20 ft. 1 in. and shall be not less than 19 ft. 9 in.
- 2.2 The beam shall be measured to the outside of the skin excluding any deck overhang, and at the widest point it shall not be less than 6 ft. 8 in., or greater than 6 ft. 10 in.
- 2.3 The depth at mid length measured vertically from the sheerline to the outside of the skin on the centerline of the boat shall not be more than 36 in.
- 2.4 The afterdecks shall measure from the transom a maximum length of 36 in., and a minimum length of 33 in. The after edge of the foredeck shall be not more forward than 10 in. from the forward edge of the mast.
- 2.5 Side decks shall be fitted between the fore deck and the after deck. Deck overhang, including the rubbing strake, is optional for a maximum of three inches beyond the outside of the hull at any point. No boat may be built so that at any point inside the skin the level of the side deck shall be below the sheerline.
- 2.6 Floatation tanks as installed by the builder, or equivalent, shall be maintained.

- 6.1 A fin keel shall not weigh more than 295 lb., nor less than 275 lb.
- 6.2 The keel shall be located such that the aft edge of the keel flange is not more than 7 ft. 11-1/2 in., nor less than 7 ft. 9-1/2 in. from the transom measured along the outside of the bottom of the hull.

7. SPARS

The spars consist of a mast, a boom, and a whisker pole. Materials are optional.

- 7.1 The unrigged mast spar section shall pass through a circle 4 in. in diameter.
- 7.2 The unrigged boom spar section shall pass through a circle 3 in. in diameter.
- 7.3 The whisker pole shall be not more than 10 ft. 6 in. overall length.
- 7.4 Standing rigging is unrestricted, except that the attachment of the forestay and jib halyard shall not exceed 19 ft. 6 in. above the sheerline, except for the shroud location as specified in Sections 2.8 and 12.10.

8. LOCATION OF MAINSAIL

Two black bands shall be installed on the mast between which the mainsail shall be set. The distance between the lower edge of the upper black band and the upper edge of the lower black band shall not exceed 23 ft. 0 in. The height of the upper edge of the lower black band above the mast step shall be between 46 in. and 49 in., and the top edge of the boom shall not be set lower than the top of this band. A black band shall be installed on the boom so that its inner edge is 9 ft. 10 in. from the aft edge of the mast, and the clew shall be set inside this line.

9. MEASUREMENT OF SAILS

All sails that pass measurement shall have inscribed in indelible ink in the tack corner in letters at least 1/2 in. high the initials of the measurer and the date of measurement. Any sail not so inscribed shall be deemed to be unmeasured. All sails shall be measured flat on the floor, with a 10 lb. tension only on roped edges. A complete set of sails consists of a mainsail, a jib, and a Genoa, as shown on figure 1, Cygnus Sail Plan. For certification purposes, linear dimensions shall prevail.

- 9.1 The measured area of the mainsail shall not exceed 110 sq. ft. The luff shall not exceed 23 ft. 0 in. The headboard shall not exceed 4 in. measured at right angles to the mast.
 - 9.1.1 Measurement of the foot shall not exceed 9 ft. 10 in. The measurement shall be made between the outside of the cloth at the clew, and the point where lines projected along the foot and the luff intersect.
 - 9.1.2 The area due to the curve of the leach shall not be included in the measurement of the area of the mainsail, but the width of the sail measured at right angles to the luff at its mid-point shall not exceed 6 ft. 6 in. This half height measurement shall be taken along the line of the fold which is formed when the top forward corner of the headboard is placed on the bottom forward corner of the tack, the two halves of the luff coinciding, and the sail smoothed out. When this measurement is taken, the sail should be smoothed out in a dry condition on a flat floor. This measurement shall be taken over the full width

including any roping, and any hollows in the leach are to be bridged by a straight line. The curve of the leach must be fair.

9.1.3 The leach of the mainsail measured from the point where the sail leaves the mast at the head, to the point where the sail leaves the boom at the clew in a straight line shall not exceed 24 ft. 7-1/2 in.

9.1.4 Three battens are allowed in the mainsail, and these shall divide the leach into approximately equal parts. The length of the upper and lower battens shall not exceed 24 in. and the length of the middle battens shall not exceed 30 in.

9.2 The maximum area of the jib shall not exceed 66 sq. ft., and of the Genoa shall not exceed 97 sq. ft.

9.2.1 The luff measurement shall be taken between the head and the tack to the outside of the cloth, and the diagonal measurement from the outside of the cloth at the clew to the nearest point on the luff. The luff measurement times the diagonal measurement divided by two, equals the area of the sail. The areas due to the curved edges of the leech and the foot shall not be included in the measured area.

9.2.2 No battens or other forms of stiffening are allowed in the jib or Genoa.

10. CONSTRUCTION OF SAILS

All sails shall be made of cotton or woven synthetic fiber, minimum weight 5 ounces per square yard for

main and jib, and 3.8 ounces for the Genoa, both American measure. An American measure square yard is defined as 36 in. by 28-1/2 in.

- 10.1 One transparent panel not exceeding 288 sq. in. is permitted, and may be sewn in either main or jib or Genoa. This shall be in the lower half of the sail, and shall be no closer than 6 in. from any edge.
- 10.2 Every mainsail without battens, set on boom, clew hauled out and taut, must be capable of being rolled from foot to headboard around the boom tightly without cracking the finish or cloth from which the sail is made.

11. RUDDER

Either lifting or fixed rudders are allowed. The blade shape must conform to that shown on figures 5 or 5(a) for its underwater portion. The rudder must be mounted on the transom.

12. GENERAL

- 12.1 Apart from all items previously mentioned, all hull fittings and sail handling gear is unrestricted.
- 12.2 The use of wax and antifouling paints is permitted. Fast dissolving racing preparations are not permitted.
- 12.3 The use is prohibited of any apparatus or contrivance outboard or extending outboard, and attached to the hull, spars, or rigging to the person of the helmsman or crew, the purpose or effect of which is, or may be, to support or assist in supporting a member of the crew outboard or partially outboard. Hiking straps are permitted.

- 12.4 Spinnakers are not allowed in Cygnus Class sponsored races, regattas or events. Individual owners desiring to use a spinnaker are advised to obtain one made to the one design dimensions laid down by the Lightning Class Association. The spinnaker block is located 4 ft. 6 in. below the lower edge of the upper black band on the mast.
- 12.5 The registration number on boats is now being permanently placed on the hull by means of a plate, and the sail number shall conform to this number. All numbers, along with the owner's name and address shall be reported to the Cygnus Class Association for the Class registry.
- 12.6 The Association requires standardized sail markings for uniform identification of the class. The official marking is the Cygnus symbol above the number. A boat retains its sail number corresponding to the hull number throughout the life of the boat. When the ownership of the boat is to be transferred, the number of the boat and sail remains constant, although the boat is transferred.
- 12.7 Sail numbers and Cygnus symbols shall sharply contrast in colour with the sail, and shall be placed at different heights on the two sides of the sail. Those on the starboard shall be uppermost to avoid confusion owing to the transluscence of the sail.
- 12.8 The Executive Committee may, from time to time, specify that a current membership in the Cygnus Class Association shall be a required condition to enter into any event sponsored by the Association.
- 12.9 The Genoa shall be sheeted outside the shrouds.

12.10 The minimum distance between the shroud chain plates shall be 73 in. measured at the sheerline. All boats shall conform to this specification to be eligible for Association events in 1971.

12.11 A measurer's boat must be measured in the presence of and witnessed by a member in good standing of the Association.

13. ADMINISTRATION

All questions of conformity with these rules shall be dealt with by the Chairman of the Specifications Committee. Amendments shall be made by the Cygnus Class Association only.

13.1 The Specifications Committee shall have charge of the administration of these rules and specifications, including the measurements outlined above. The Specifications Committee will recommend approval of new builders, and withdrawal of approval, to the Executive Committee.

13.2 Amendments will be avoided as far as possible. However, amendments to these rules may be made by the Executive Committee, and shall be enforced pending ratification at the next subsequent general meeting of the Association.

13.3 An official measurer in each area shall be appointed by the Specifications Committee, and the owner must apply for measurement, allowing adequate time.

13.4 There shall be a fee of \$5.00 charged for each appointment with an official measurer, \$1.00 of which is remitted to the Cygnus Class Association. The Association will issue a measurement

certificate, and this certificate is required to participate in Cygnus Class competition.

13.5 The measurement certificate is valid for the life of the boat and sails. However, a recheck may be requested by any member of the Association, and if the measurement conforms, the cost is borne by the member requesting the recheck. If the measurement does not conform, the cost is borne by the owner, and the certificate is suspended.

CYGNUS SAIL PLAN

Scale: $1/4"$ = 1 ft.

Note: A Spinnaker has not been adopted as an official sail. If one is desired for non-class competition, a 'Lightning' spinnaker should be obtained.

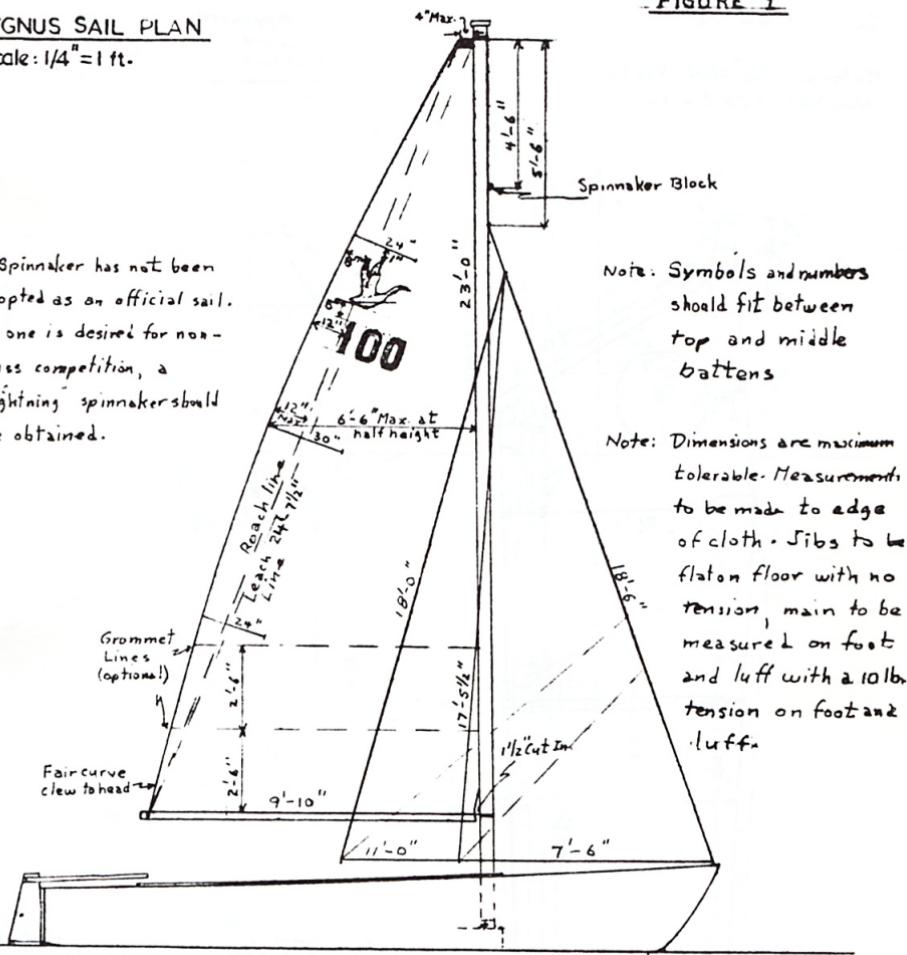


FIGURE 1

Note: Symbols and numbers should fit between top and middle battens

Note: Dimensions are maximum tolerable. Measurements to be made to edge of cloth. Sibs to be flat on floor with no tension, main to be measured on foot and luff with a 10 lb tension on foot and luff.

Main	Jib	Genoa	
23'-0"	18'-6"	18'-6"	- Transparent window of
Leach	24'-7 1/2"	17'-5 1/2"	max. area 2.88 sq. in.
Foot	9'-10"	7'-6"	allowed in any one
Battens	24, 30, 24"	none	sail.
Area of Triangle, sq. ft.	110	66	- Roach on foot of Jib and
Min. luff width for 36" x 28" luff	5'-0" or	97	Genoa is unrestricted.
	5.0 oz.	3.8 oz.	

Approvals.

Cygnus Class Assoc.

E. J. Mansell
President

Approved

R. C. Jefferd
Chmn. Spec. Comm.

Effective Date: July 1968

Symbol: Stbd. highest. Fore wingtip 1" below battens. Aft tip 8" in from roach. Numbers: 12" high; 8" centers; 2" wide cloth; placed 5" below symbol and 12" in from roach; Ripstop Nylon, black or dark colour.

CYGNUS CENTERBOARD PLAN

Figure 2

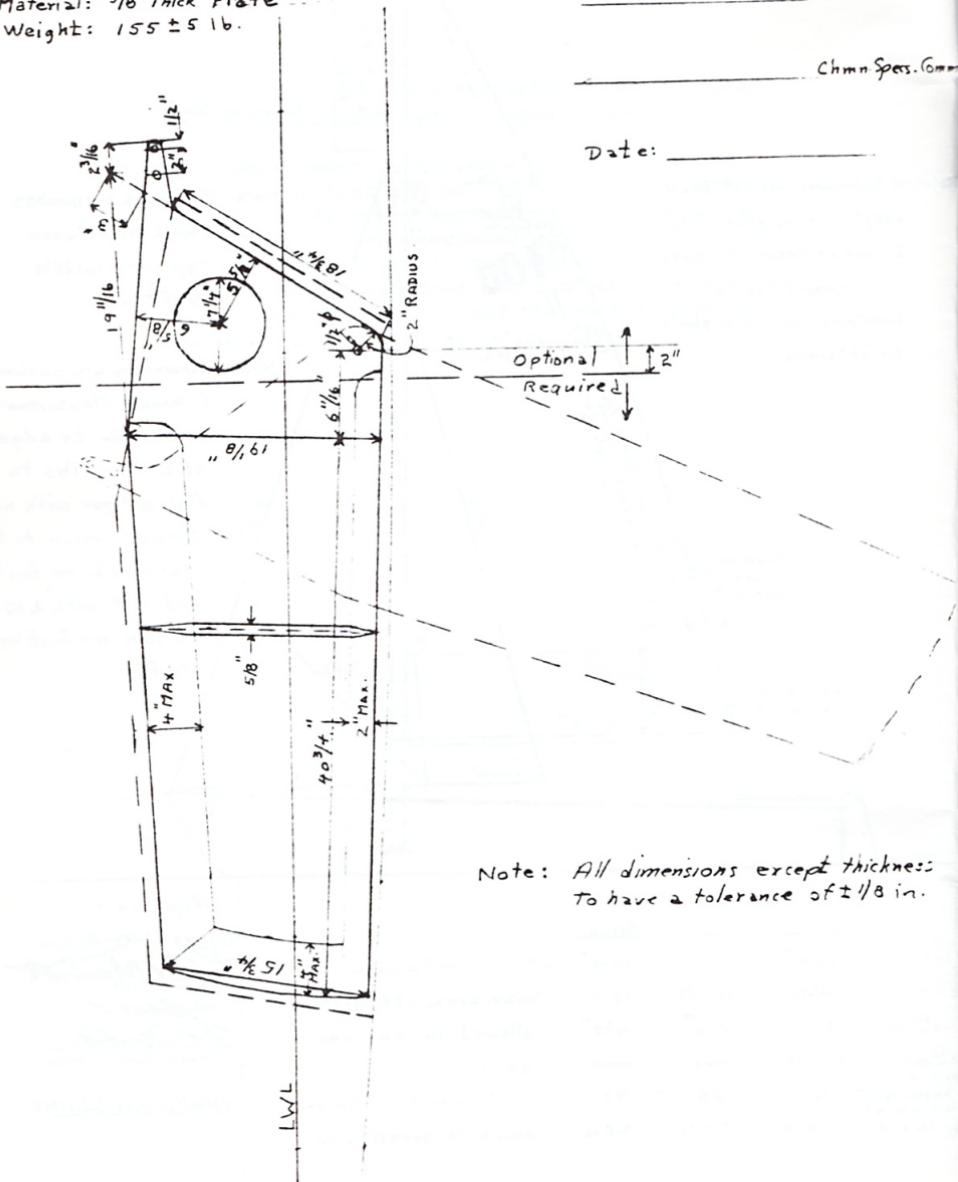
Scale: 5 mm = 2"

Approved:

Material: 5/8" Thick Plate
Weight: 155 ± 5 lb.

President:

Chmn Spec. Comm:



Note: All dimensions except thickness
to have a tolerance of $\pm 1/8$ in.

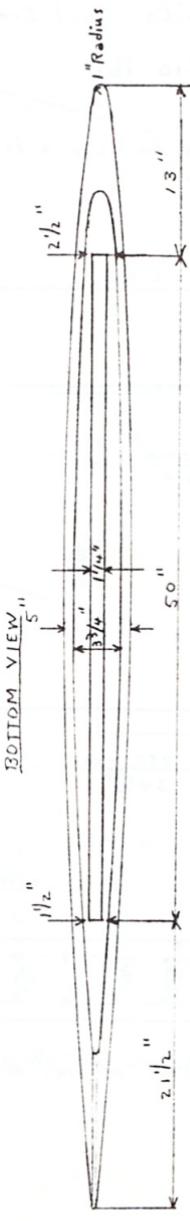
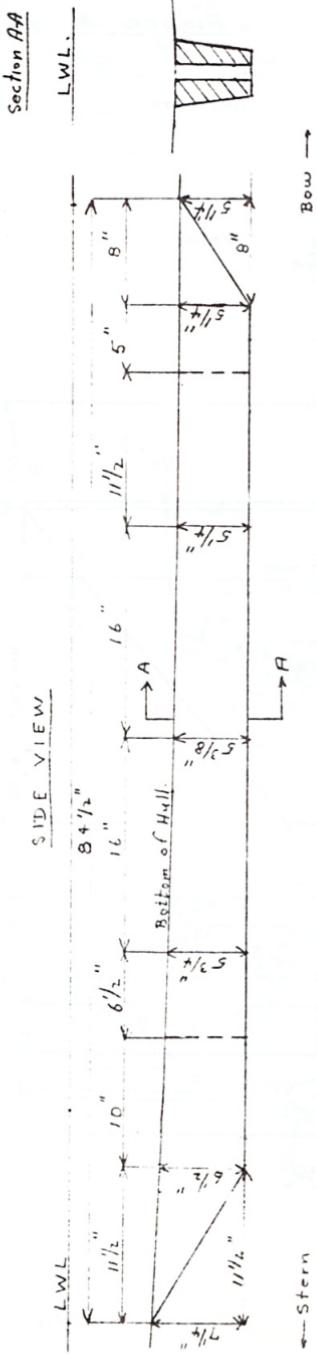
DCN Feb 1969

CYGNUS BALLAST KEEL PLAN

FIGURE 3

President.
Chmn Spec Commt.

Scale: 5 mm = 2".
 Material: Mechanized Cast Iron
 Weight: 2.15 lb. \pm 10 lb.
 Approved: _____
 Date: _____



Note: All dimensions to have a tolerance of $\pm 1/8$ in.

CYGNUS FIN KEEL PLAN

Figure 4

Scale: 5 m.m. = 2 "

Approved: _____

President

Material: Mechanite Cast Iron.

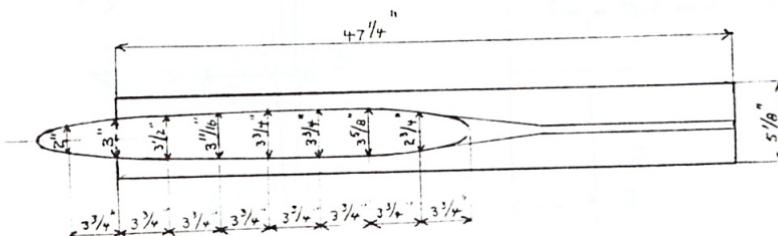
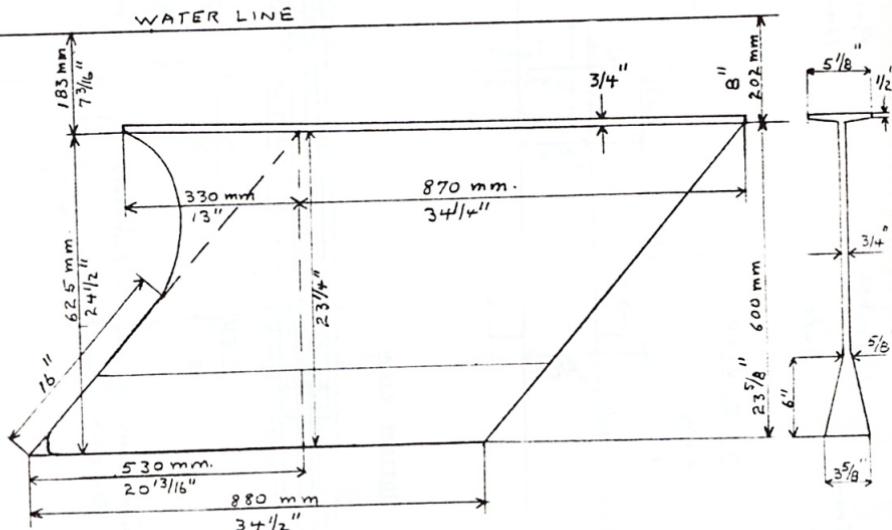
Chmn.

Specs. Comm.

Weight: 285 ± 10 lb.

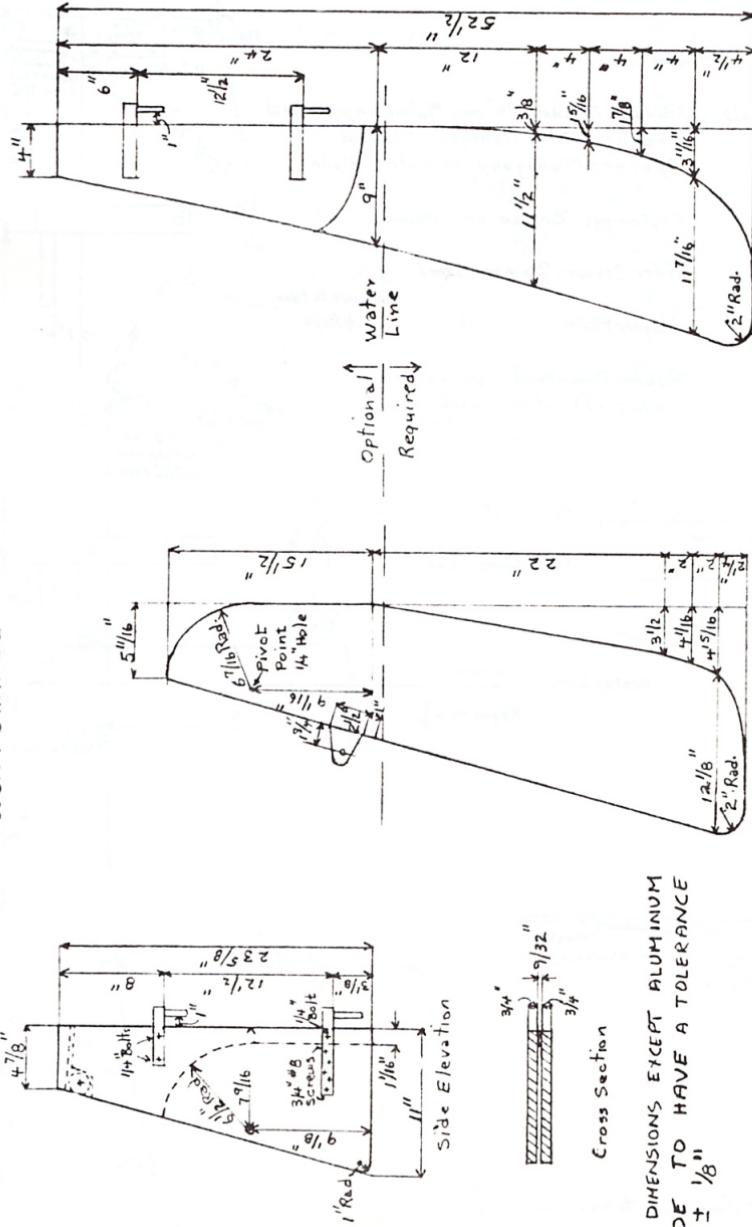
Date: _____

Note: All dimensions to have a tolerance
of $\pm 1/8$ in.



CYANUS RUDDER PLANS

$$Sc_2/e = 5mm = 2^{-1}$$



NOTE ALL DIMENSIONS EXCEPT ALUMINUM
BLADE TO HAVE A TOLERANCE
OF $\pm \frac{1}{16}$ "

Cross Section

LIFTING RHYDEER

Cheeks: 3/4" Plywood
Filler: 9/32" Mahogany or
Blade: 1/4" Aluminum

13/ade : 3/4 Mahogany or equal
Cheeks : 1/2" Plywood.

DCM Feb 1969

FIXED RUDDER

CYGNUS RUDDER PLAN Figure 5(a)

Scale: 5 mm = 1 "

Materials: Rudder Blade, 3/4" min Mahogany, or equal
Cheeks: 3/4" Mahogany Plywood
Spacer: Mahogany, to match Blade.

Fastenings: Bronze or stainless steel

Tiller Stop: Stainless Steel /

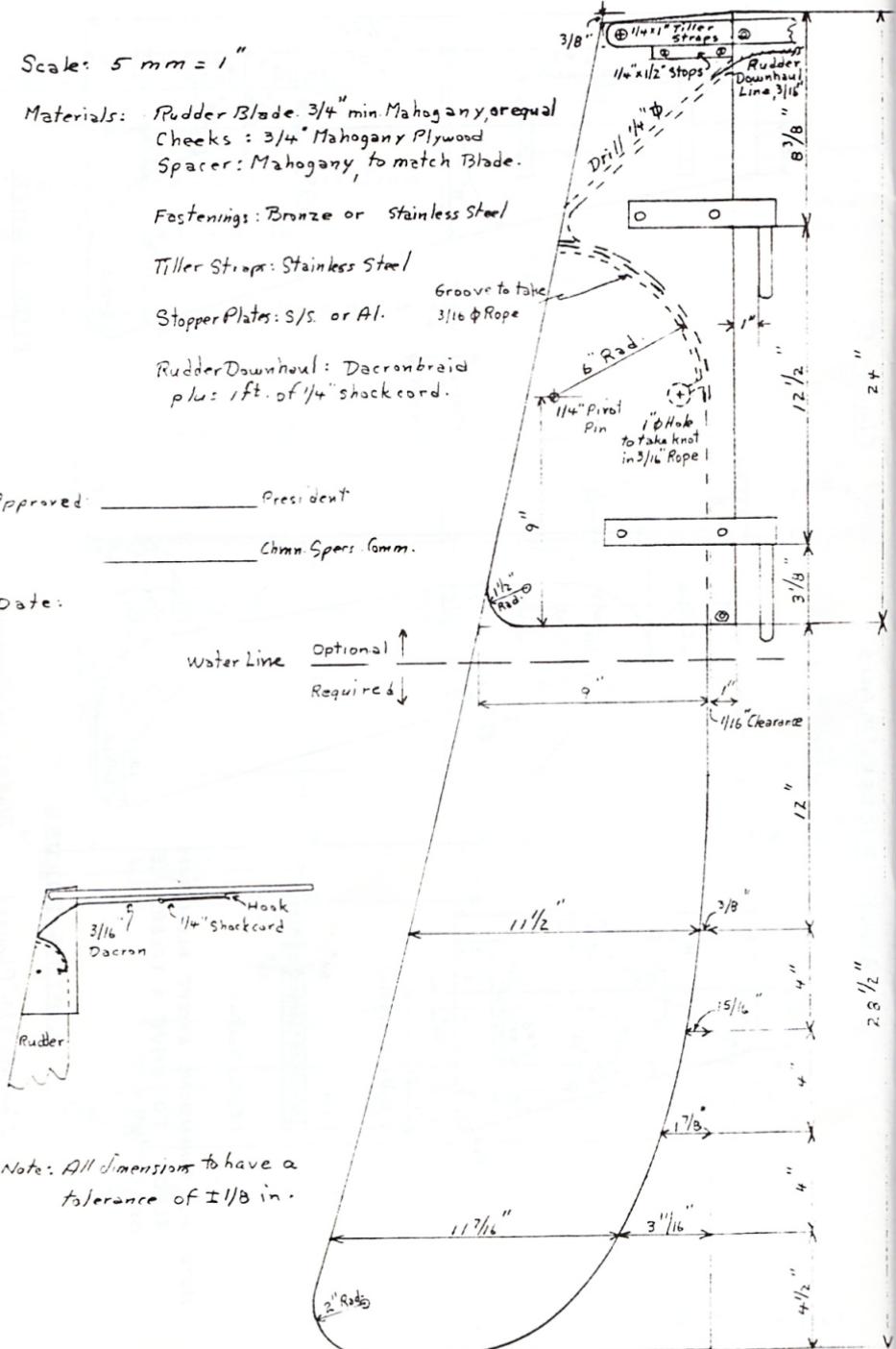
Stopper Plates: S/S. or Al.

Rudder Downhaul: Dacronbraid
plus 1 ft. of $\frac{1}{4}$ " shockcord.

Approved: _____ President

Chmn. Spec. Comm.

Date:



CYGNUS CLASS ASSOCIATION

Constitution and By-Laws

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