



SAN DIEGO SHIP MODELERS GUILD NEWSLETTER

JULY 2024

32° 43' N 117° 10' W

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Community Build



For some time now the Guild has made over 500 past Newsletter issues available in our [Newsletter Archive](#).

Recently, a survey of fellow club websites revealed that each of them now maintain, like us, an online newsletter archive. These newsletters, from Boston to Sydney, are a treasure trove of fascinating information about model shipcrafting techniques, build logs, tips, and news.

Now our monthly *Newsletter publication email* provides links to these other newsletter archives to help keep you up to date with model shipcrafting organizations across the globe. These links are kept current and appear in the footer of each monthly email.

Alex



MMSD Supporter

San Diego Ship Modelers Guild
1492 North Harbor Drive, San Diego CA, USA 92101
sdshipmodelersguild.org

established 1971 by Bob Wright and Russ Merrill



NRG Chapter Club

I don't really have much to add to Alex Roel's excellent reporting in this month's Newsletter, so my notes here will be pretty brief.

The San Diego County Fair is in full swing. A huge thanks to all of you who are representing our hobby at the *Design in Wood* exhibit! (Hopefully everyone who is manning the "kiddie table" is enjoying the new lamp.)

For the Community Build (NRG "[Masting and Rigging Project](#)") proposed last month, this is a list of every member who has officially expressed any level of interest so far: Arthur Arroyo, Zander Fettel, Tom Hairston, RG Head, Paco Lopez de Arenosa, Alex Roel, Steve Scheet, Chuck Seiler, Chris Sullivan, Tommy Thompson, John Walsh, Isaac Wills, and Doug Yumoto.

If your name is not on this list and you are interested in possibly joining the Community Build, please [email me](#) immediately! Ordering information for the kit will be sent out soon, as well as a survey/vote to decide when we will hold the build meetings.

Finally, I want to close out my report with a favorite moment from the last meeting that I'd like to commit to the everlasting memory of the Newsletter archives — Isaac Wills' opening lines to his Show & Tell contribution:












"Two Titanics, both alike in dignity, upon fair Berkeley, where we lay our scene..."

Fair winds and following seas,

John Walsh, Guild Master



In This Issue

- [Archived](#)
-  [From the Quarterdeck](#)
-  [Fair Question\(s\)](#)
-  [NOT A Sea Shanty](#)
-  [Last Meeting](#)
-  [Show and Tell](#)
-  [Flotsam and Jetsam](#)
-  [Tales of the FLY: A Study](#)
-  [TITANIC Build Log](#)
-  [Resources](#)
-  [Home Port](#)
-  [The Bitter End](#)



It is time once again for the San Diego County Fair. Here we're able to set up our booth and wax wise about model shipbuilding to all who wish to wander by. Some of the newer Members may be intimidated and may feel they do not have the knowledge for such a daunting task. Never fear! I bring you the answers to the most frequently asked questions we get at the Fair.



Take this with you to the Fair and feel free to use the answer you think most appropriate to the question asked:

1. Yes, I know where the restroom is. From the expression on your face, I'll bet you wish you did too.
2. No, this is **NOT** made of balsa wood.
3. No, this is **NOT** a pirate ship (unless you are in fact building a pirate ship, then say "yes".)
4. Yes, it does take patience to build one of these... and desire.
STOP TOUCHING THAT!!!
5. Huh? What's that you say? Loud? The wooden bowl makers are too loud? Sorry, I can't hear you.
6. No kid, I'm **SURE** it's not a pirate ship (unless, of course, it is.)
7. I don't know what *that* is. We think the builder may have been on drugs at the time (describing the Mystery Project of the Year... which changes each year, so I cannot describe it... you will know it when you see it, however.)
8. No, I don't know how they get the ship into the bottle. My job is to **EMPTY** the bottle. After that, I don't remember much.
9. I don't care if the guys in the wooden bowl booth gave you something, you cannot have Tom Hairston's model as a sample. **STOP TOUCHING THAT!!!**
10. Okay, okay, kid, you're right! It's a pirate ship! A balsa wood, Mississippi River sternwheel steam powered pirate ship! Don't you have some place else you need to be? Hey lady, doesn't he need to go to the restroom or something?

Enjoy the Fair. If you are not volunteering at the booth, drop by and say "Hi!" but *don't* ask me if it's made of balsa.

Remember:


1. Be sure to bring something to work on. It must be wood in nature, since we are in the *Design in Wood* pavilion. Pack it in your car the night before so you don't forget it (like I did one year.) If nothing else, be sure to pack a piece of sand paper and something to sand... and some good stories.
 2.  *If using a rotary tool or other high-speed device, make sure you bring safety glasses of some sort.*
 3. Please bring any spare *Model Expo*, *Micro-Mark* or other interesting catalogs for the folks to look at.
 4. If you are unable to make it to the Fair any day you are assigned, contact Fair Coordinator [Jon Sanford](#) as soon as you can so a substitute can be arranged.
 5. ***Have fun!!!***
-



photo by Guy Lawrie

Two questionable characters recently sighted aboard BERKELEY



Sail On Sailor! (SOS)

Listen to it on  YouTube

I sailed an ocean, unsettled ocean
Through restful waters and deep commotion
Often frightened, unenlightened

Sail on, sail on sailor!

I wrest the waters, fight Neptune's waters
Sail through the sorrows of life's marauders
Unrepenting, often empty

Sail on, sail on sailor!

Caught like a sewer rat alone but I sail
Bought like a crust of bread, but oh do I wail
Seldom stumble, never crumble, try to tumble, life's a rumble
Feel the stinging I've been given, never ending, unrelenting
Heartbreak searing, always fearing, never caring, persevering

Sail on, sail on sailor!

I work the seaways, the gale-swept seaways
Past shipwrecked daughters of wicked waters
Uninspired, drenched and tired

Wail on, wail on, sailor

Always needing, even bleeding, never feeding all my feelings
Damn the thunder, must I blunder, there's no wonder all I'm under
Stop the crying and the lying, and the sighing and my dying

Sail on, sail on sailor!

Sail on, sail on sailor!

Sail on, sail on sailor!

Sail on, sail on sailor!

Sail on, sail on sailor!

Sail on, sail on sailor!

Sail on, sail on sailor!



Last Meeting



A cool, overcast and June-gloomy meeting was attended by 18 Members¹ and 3 guests²; all Officers were present. No new Members joined the Guild.



Powder Monkey Karl Zingheim struck four bells at 6:00pm to signal the start of the second dog watch and thus brought the meeting to order.

Dawn Frenzel and her son Rhys were introduced as guests as was Jim Paulson, grandfather of Member Trystan Lee. Photographer Chris Sullivan returned from deployment to Japan.



Sometimes, you just get used to stuff: something that's familiar, something that's seemingly always been there... it fades into the scenery and becomes part of the "that's how it's always been" universe.

Therefore, it came as a bit of a shock when Guild Master John Walsh made a surprise announcement: a long-time friend from that universe was being consigned to the dust bin after many years of service. Who? Dave Yotter? What did he do?



Nothing; but those of you who have volunteered to work the Guild's Booth at the San Diego County Fair know three things: memorize Chuck Seiler's [Fair Question\(s\)](#), don't sit at the kiddie table, and don't get stuck with the overhead lamp that kinda-sorta works but never really does for long. Newbies invariably draw both of the latter, but at least for the lamp those days are now behind us. Yes, our old friend has been replaced at long last... but don't get too comfortable: the kiddie table is still (kinda-sorta) standing.



After this bombshell John called for Officer reports which mainly consisted of Fair Coordinator Jon Sanford's last-minute instructions on the eve of the Fair's opening in Del Mar.

Business concluded, John announced the commencement of [Show and Tell](#) which was immediately followed by the break, and at 7:34pm the Powder Monkey struck the bell once again to bring the June meeting to a close.



¹ Arroyo, Clausson, Hairston, Lawrie, N.Lee, T.Lee, MacMaster, Miller, Roel, Sanford, Scheet, Seiler, Sellen, Sullivan, Walsh, Wills, Yumoto, Zingheim

² D.Frenzel, R.Frenzel, Paulson



Guest Rhys Frenzel proudly led the way at Show and Tell and presented his model of an unidentified BATTLESHIP circa 1943. Rhys explained that this was his first model and that it took about two hours to build.

- *BATTLESHIP by Rhys Frenzel*
- *unknown kit, plastic*
- *unknown scale, under construction*



Rhys and first build

Rhys found some of the very small parts difficult to work with, but really liked the moveable 16" guns (although he was disappointed to find that some of the gun turrets no longer moved after letting the build dry overnight.) He does have plans to paint the model at some point. New Youth Coordinator Isaac Wills then presented Rhys with a MiniSTAR kit for his fine effort.

- *PRINCE DE NEUFCHATEL by Steve Miller*
- *Constructo kit, plank-on-bulkhead, wood*
- *13/64"≈1' 1:58, under construction*

The PRINCE DE NEUFCHATEL has undergone an overhaul! Steve Miller reports that after some feedback at last meeting about her bowsprit



bowsprit, chain pumps

angle he did more research which only managed to cloud the issue. The kit plans show the angle to deck being 7.5° on one sheet and 11° on another. Steve was having none of it and went to Howard Chapelle's plans which call out 13.5° angle. Steve did his best but the bulwark height limited his ability to quite reach that angle. Steve also noted that he added the chain pumps and experienced true anxiety about drilling the hawse holes into his recently finished bulwarks.



Trystan

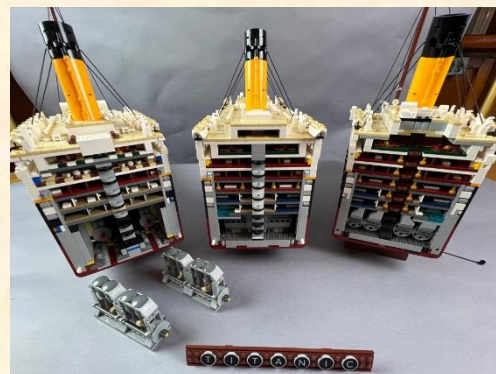
Next up Trystan Lee displayed his TITANIC build that his father Nolan is helping him with. With his build just getting underway, Trystan showed off the single-piece hull (with propellers and drive shafts installed) and the three deck pieces that he is in the process of dry-fitting.

- *TITANIC by Trystan Lee*
- *Minicraft kit, plastic*
- *1/32"≈1' 1:350, under construction*



Isaac shares TITANIC

Isaac Wills wowed the crowd (particularly Trystan and Rhys) with his 52" long build of LEGO's TITANIC kit. Consisting of 9,090 pieces she took 14 hours to build (650 pieces/hour or 11 pieces/minute.) Noting that there some inaccuracies due to the limitations of LEGO pieces (particularly in the lines of the hull's bow) Isaac



was nonetheless impressed with the overall impression and look of the finished build.

One of the interesting features was that the build could be separated athwartships in two places affording views of the inner decks, salons, et cetera.

- *TITANIC by Isaac Wills*
- *LEGO kit, plastic*
- *1/16"≈1' 1:200, completed*

Chuck Seiler debuted his Fair project, a cross-section of a 17th century Dutch PINAS. The finished build will be planked on one side and left open on the other. The hold, two decks, armament, capstan, and lower mast (sans yards) with rigging will be displayed.

- *PINAS CROSS-SECTION by Chuck Seiler*
- *Kolderstok kit, plank-on-frame, basswood*
- *1/4"≈1' 1:50, under construction*



Chuck Seiler's Fair project



PILOT BOAT II

- *PILOT BOAT by Tom Hairston*
- *scratch build, plank-on-bulkhead, basswood*
- *7/32"≈1' 1:52, under construction*

Tom Hairston is taking a second bite of the apple: having researched and scratch built the MMSD's PILOT BOAT for commission earlier, Tom decided to build another for his own collection (he threatens that once he has completed the entire MMSD fleet he'll have no reason to commute to San Diego.)

This is a plank-on-bulkhead scratch build, and Tom reports she is about halfway done. Unable to locate proper helm and anchor fittings Tom has enlisted his son to produce some 3D-printed pieces for him.

- *CITY OF NEW YORK by Karl Zingheim*
- *Heller kit, plastic*
- *5/64"≈1' 1:150, not started*

Karl Zingheim brought in a Heller kit of the fictional four-master CAP HORN with an eye to creating a New York Harbor diorama featuring a kit bash of CITY OF NEW YORK sailing by the Statue of Liberty.

Karl's first task of locating a facsimile of Lady Liberty in the suitable scale was accomplished with a simple Google search.



- *DOZER by Jon Sanford*
- *scratch build, solid hull, wood*
- *1"=1' 1:12, under construction*

Jon Sanford closed out Show and Tell with the DOZER build that he introduced at last meeting. This early scratch build now sports fresh planking port and starboard and an intimidating series of four "teeth" affixed to the bow's stem that assist in wrangling floating logs on the lakes and rivers of the Pacific Northwest.

John also noted that the propellers will require a protective cage to prevent damage while wrangling.

🚢 Flotsam and Jetsam

“Two captains sink a ship”

Turkish proverb

Squared Away – understanding nautical terms

In model making, the **PLANK-ON-BULKHEAD (POB)** method builds the hull by substituting solid wood bulkheads in place of frames and are then planked. This is a faster and simpler method than building individual frames. Alternative to the PLANK-ON-FRAME and SOLID HULL construction methods.



Museum Model Shop – utilize, support, volunteer



All Guild Members are welcome to work in the Museum Model Shop aboard the BERKELEY. Besides having five dedicated work stations, the Model Shop is also the home to the Guild’s model shipcrafting library, tools, and a large inventory of building supplies. By volunteering time in the Model Shop our presence benefits the MMSD by affording their patrons the opportunity to see our craft in action and up close. Contact Model Shop Chair [Jon Sanford](#) for more information on how you can participate.

Around the Scuttlebutt – latest Guild news



The San Diego County Fair (SDCF) is fully underway and we’re manning our Booth daily in the Mission Tower building (closed Mondays and Tuesdays.) The Fair runs through July 7th; volunteers can check [the schedule here](#).



Ribbons *have been awarded* for the SDCF’s *Design In Wood* competition by the Maritime Museum of San Diego and the San Diego County Fair. Full report upcoming in next month’s Newsletter.



SDCF model entrants: you *must* pick up your entries in person at the Mission Tower building on July 9th between noon and 8pm.



Interest in the proposed Community Build appears strong with 10-15 Members expressing a desire to participate so far. The focus of the build will be the new NRG “[Masting and Rigging Project](#)” kit. Mike Lonnecker secured discount pricing from the NRG for all Guild participants. Meetings

will likely be aboard BERKELEY although a schedule has yet to be determined; contact Community Build Chairman [John Walsh](#) if interested.



Karl Zingheim represented the Guild at the recent International Plastic Modelers Society (IPMS) Model Expo at Gillespie Field. Karl (visited here by Jon and Mary Ann Sanford) displayed several of his dioramas. Also lending support and enjoying the Expo were Members Chuck Seiler and Douglas Yumoto.



Mike Hite has been hard at work taking inventory in the Museum Model Shop. First stop: wood stock. Mike recently gathered, sorted and



restocked the Shop's wood resources for easier selection by Members. As a Member all of the Shop's assets are available to you at no charge, including wood, tools, hardware, rigging line and more.



Summer travel options to the Embarcadero (see our [map](#)):

- ☞ Arrive early (5pm) and enjoy the Guild's social hour aboard the BERKELEY and/or help set up before the meeting
- ☞ Embarcadero public parking lots (metered pay stations)
- ☞ North Harbor Drive street parking in front of the San Diego County Administration building (parking meters)
- ☞ MTS trolley (Blue or Green Line / County Center Station); 0.2 mile walk
- ☞ AMTRAK train (Santa Fe Depot); 0.3 mile walk
- ☞ USS MIDWAY public parking lot; 0.5 mile walk

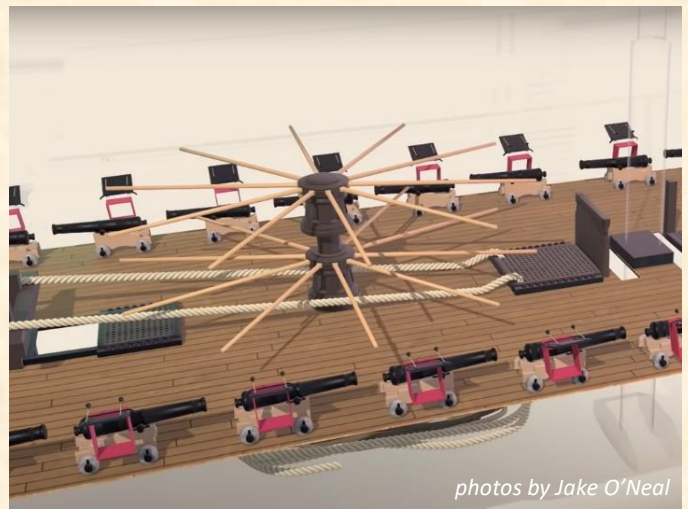
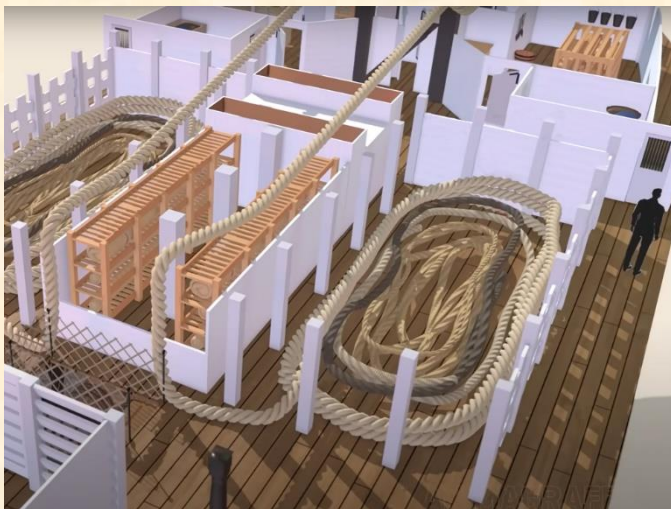
- ☞ Tuna Harbor public parking lot; 0.6 mile walk
- ☞ Uber / Lyft / taxi
- ☞ Car pool

Washed Ashore – something we recently came across

An interesting video entitled “How an 18th Century Sailing Warship Works” is well worth viewing. This 25-minute 3D video uses HMS VICTORY as an example of an 18th century warship and illustrates building her from the keel up.


Watch it on  YouTube

The 3D imagery allows you to get a feel of the interrelationships of the various decks and the spaces within. Of special interest are the [bilge and Elm Tree pumps](#), [capstans and messenger lines](#), [moveable bulkheads](#), and [gun rigging](#).



photos by Jake O'Neal

While there are a number of pronunciation and terminology errors (“pinnacle” instead of “pinnacle”, e.g.) they are more than compensated for by the amazing detail and illuminating walk-throughs illustrated by this remarkable video.

On The Horizon 

July 2	6pm	Officers Meeting	online
July 7	6pm	San Diego County Fair closes	Del Mar Fairgrounds
July 9	noon	SDCF model entry (pick-up)	Del Mar Fairgrounds
July 9	6pm	Guild Meeting	BERKELEY
July 10	10am	SDCF Guild booth (take-down)	Del Mar Fairgrounds
July 30	–	Newsletter	website, email
Aug 6	6pm	Officers Meeting	online
Aug 13	6pm	Guild Meeting	BERKELEY



The ship modeling hobby has given me a lot of enjoyable hours and pleasant challenges. One of the aspects I enjoy about modeling in general is sharing information and techniques about my builds. By giving back to the hobby, I hope that others can share that enjoyment. The following series of articles is an attempt to share some of the *challenges of scratch building* and how I met them in my current build of HMS FLY.

This is not intended to be a build log, but just an attempt to share some of my solutions to these challenges. I use a lot of machines in the production of parts, but the parts can be produced with hand tools as well. I have seen the same model that we will discuss here produced entirely with hand tools with beautiful results. I am also a big believer in drawings: when making a part I always work from a drawing. I use a pattern that can be attached to the raw material, or I make a sketch with appropriate dimensions (I typically build parts to *dimensions* and try to never take measurements directly from a drawing, since the paper can change size with temperature and humidity, leading to inaccuracies.)

HMS FLY¹

HMS FLY was a sixth-rate, ship-rigged sloop of the 25 ship SWAN class. She was launched 14 September 1776 at the Sheerness Dockyard in Kent, England. The SWAN class was of 14 to 16 guns; the FLY carrying 14 6-pounders and 16 swivel guns. This class of sloops were unusually attractive for a sixth-rates -- both for the hull lines and the amount of decoration. They were built just before the British Admiralty issued orders for the reduction of decoration to save cost because of continuing wars in Europe and the colonies. The SWAN class measured 97'7" on deck, displaced 300 tons and carried 125 officers and men.

The FLY's career was relatively short as she foundered off Newfoundland in 1802 in a storm. During her life she primarily performed convoy escort and dispatch duty and captured two French privateers.

Why the FLY?

When I went looking for a new project, I knew I wanted a ¼ inch scale fully-framed model that I could find adequate plans for. I had read ads for the 4-volume set of books by David Antscherl and Greg Herbert, and I was hooked. David Antscherl

¹ EDITOR'S NOTE: From the years 1648 to 1972 there were sixteen different vessels successively named HMS FLY of various classes and sizes. These articles deal with the eighth vessel of the family, the 14-gun sloop launched in 1776.

also offered a set of plans including a CD of all frames and transoms. I also acquired a copy of a set of the original drawings from the National Maritime Museum of Greenwich, England. Antscherl's plans and books describe a model built exactly as the real ship was built, piece by piece with no short cuts or stylizing. It is also constructed "right side up" following full-size ship practice.

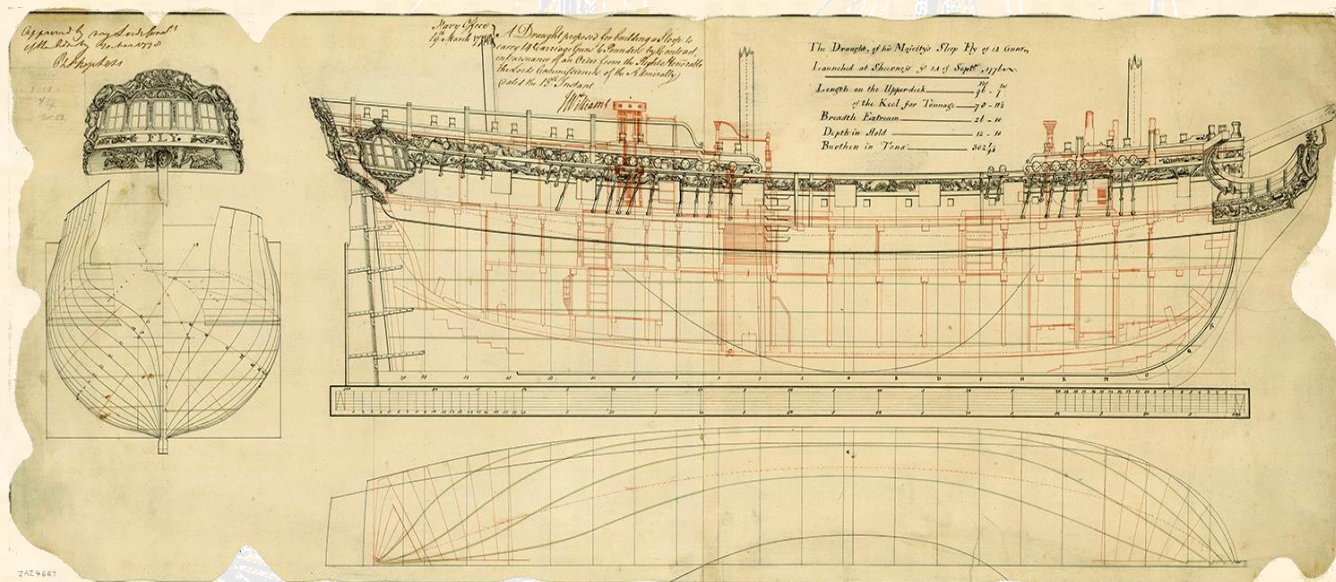
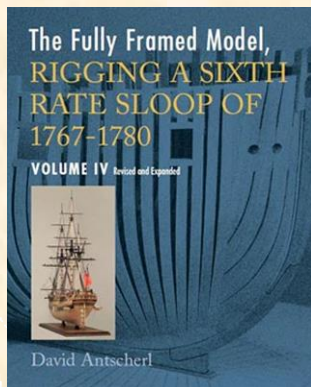
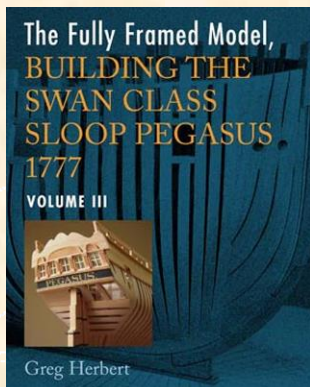
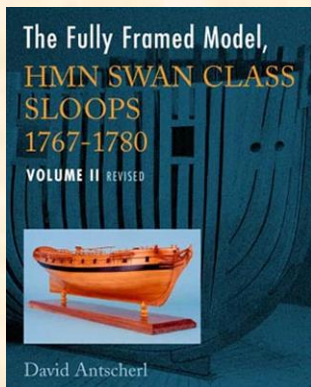
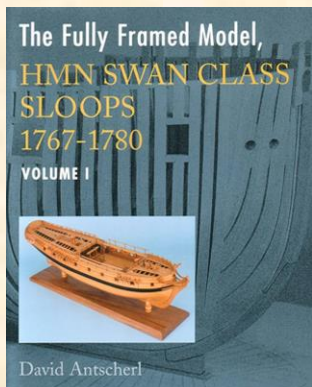


Figure 1 — original Admiralty half-breadth plan for FLY (1776)

The model is being built following these plans to a scale of 1:48 (¼ inch) primarily using boxwood. The keel was constructed on a piece of glass to ensure that it is flat and straight. Next, I constructed a build board with appropriate markings for frames, half-breadth lines, et cetera. Supports fore and aft were added to maintain the stem and stern posts in a vertical position. [I demonstrated this](#) at a previous Guild meeting.

Getting Started

The first real challenge was how to proceed with the framing: start at one end, start in the middle, or start at both ends simultaneously and work towards the middle? There are more than 90 frames in the model, equally spaced except for

the cant frames at each end that lie next to each other. If you start at one end, the cant frames would be set followed by the square frames equally spaced. If there is an error of only .001 or .002 inch between each frame, by the time you do that 90 times you could be off by .1 or .2 inches and have a big gap or no room for the cant frames at the opposite end.

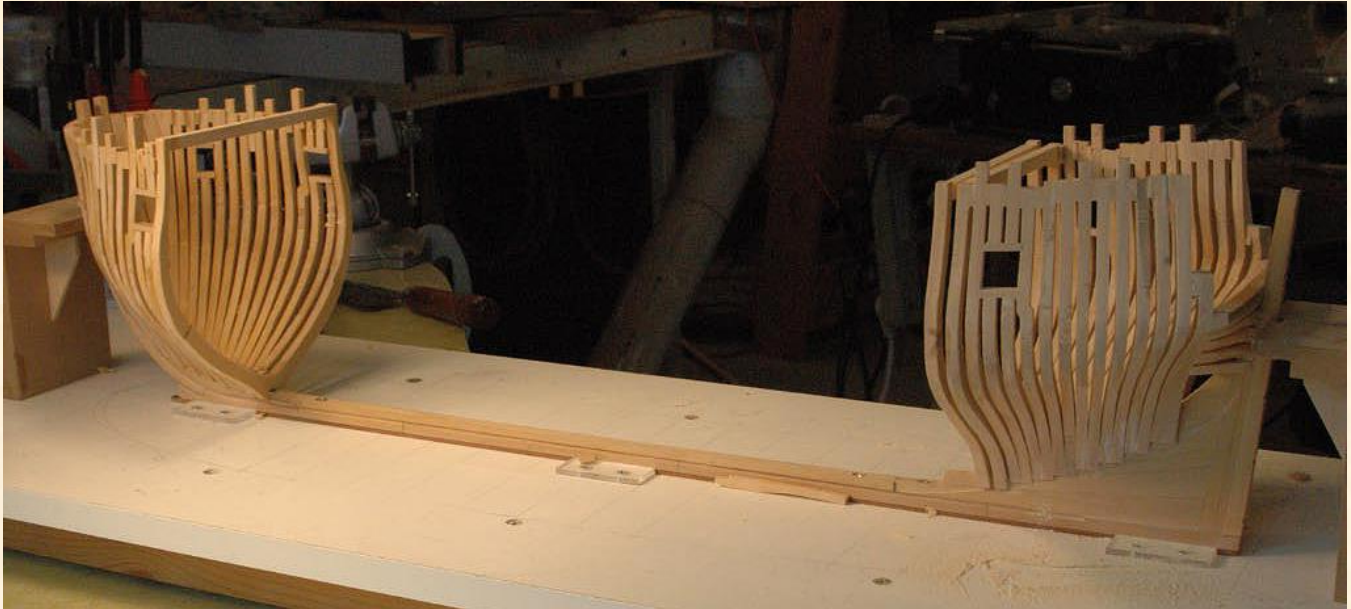


Figure 2 — cant frames installed first, fore and aft



Figure 3 — framing advancing towards center

My solution was to opt to start *at both ends simultaneously* and add frames towards the center. After a few frames were added at each end, I would measure the distance between each end. Subtracting the total thickness of the remaining frames gave the remaining gap to be divided by the number of spaces needed. This space between frames would differ by the amount of the error at that point. The new spacing would be used for installation of the next batch of frames. The

process was then repeated until all frames were installed. The small change in the spacing was usually not more than .001 or .002 inches for each frame and is not visible to the eye.

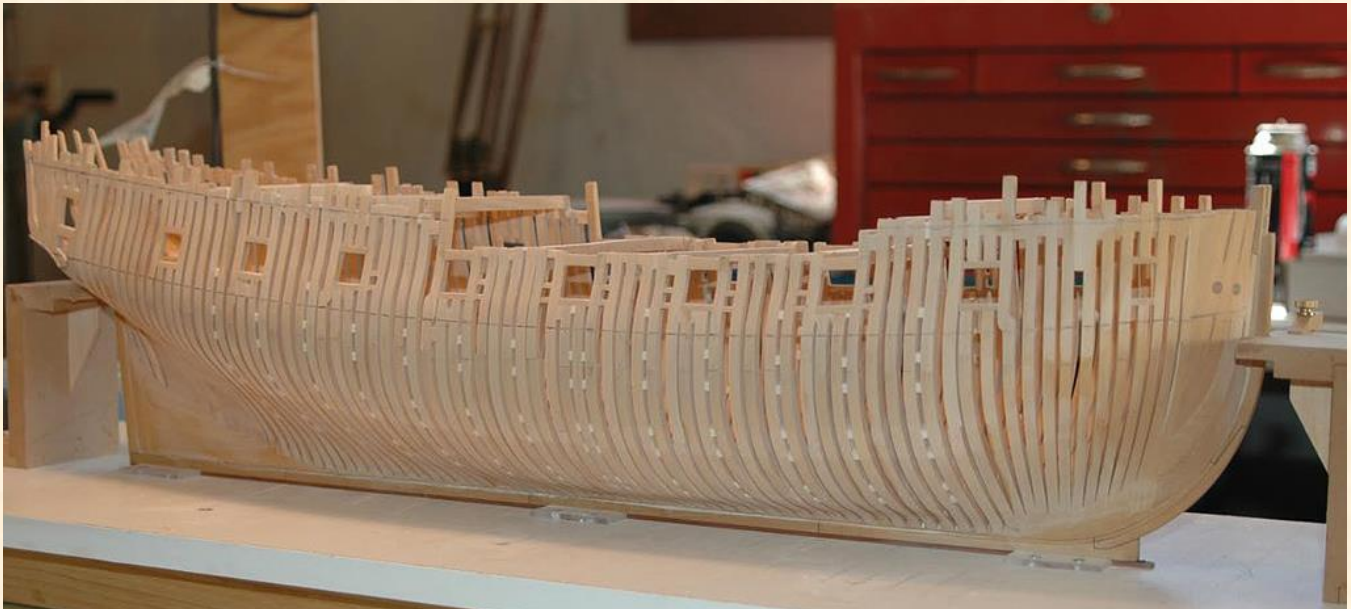


Figure 4 — framing complete, starboard

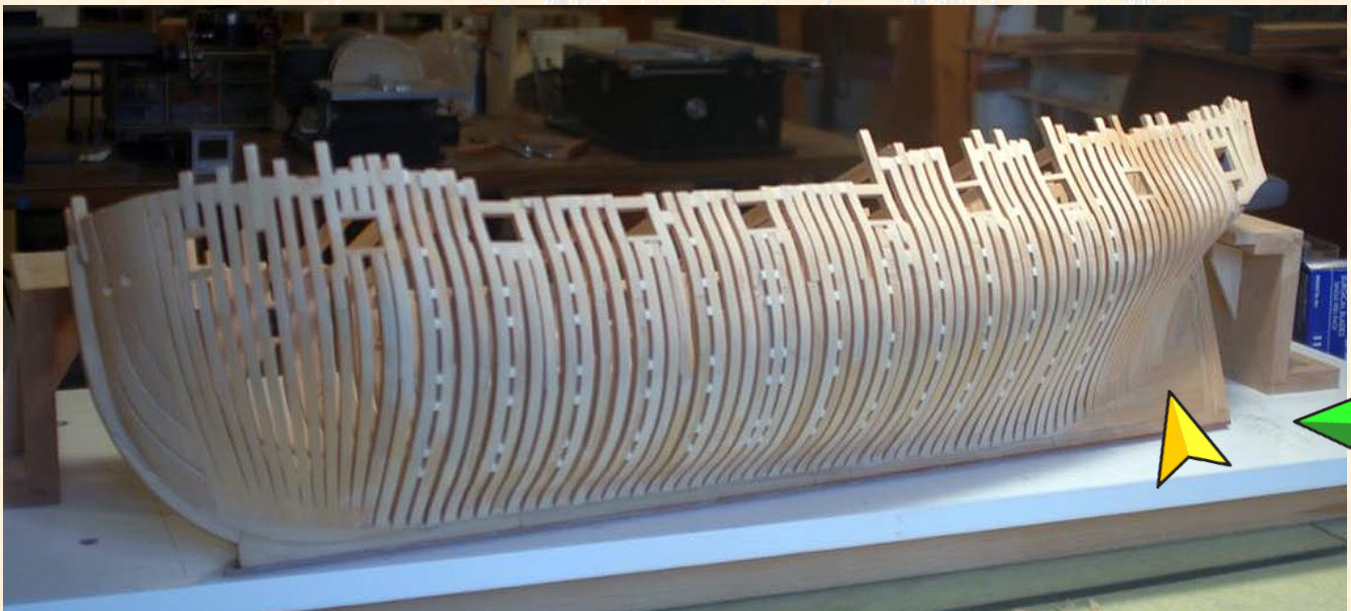


Figure 5 — framing complete, port

Being able to remove **the model** from **the build board** greatly improves accessibility to the lower parts of the model for fairing and planking.

***Next time:** I will circle back and discuss the building and installation of the fore and aft cant frames.*

In [Log Entry: No. 1](#) I discussed building, fitting out, and painting the hull.

- TITANIC by Don Bienvenue
- Trumpeter kit, plastic, wood, photo-etched brass
- 1/16"≈1' 1:200, under construction

Well Decks

I began decking by installing the Well Decks, which are the lowest decks provided in the kit. The decks fit nicely at their locations and no adjustments were necessary. The KA Models detail set included the wood decking shown (Figures 1 and 2.)

The deck sheets have an adhesive backing which is glued to the plastic kit deck. The decks are installed by removing a plastic sheet covering the adhesive. *Caution! When installing these decks, you more or less have one opportunity to place the deck at its correct location: once glued to the plastic deck, it is very difficult to make location adjustments; there is also the risk of tearing the wood.*

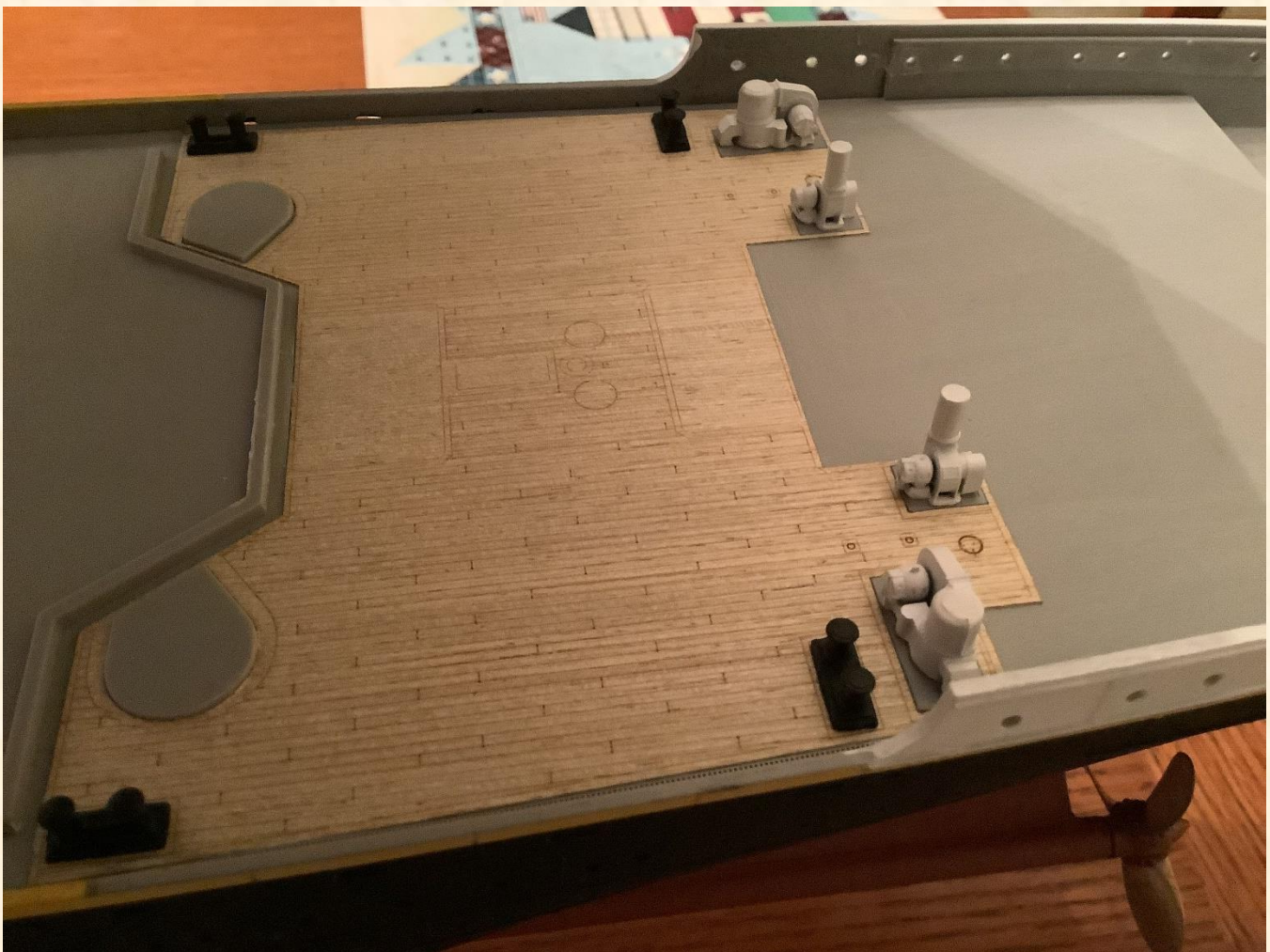


Figure 1 — the aft Well Deck

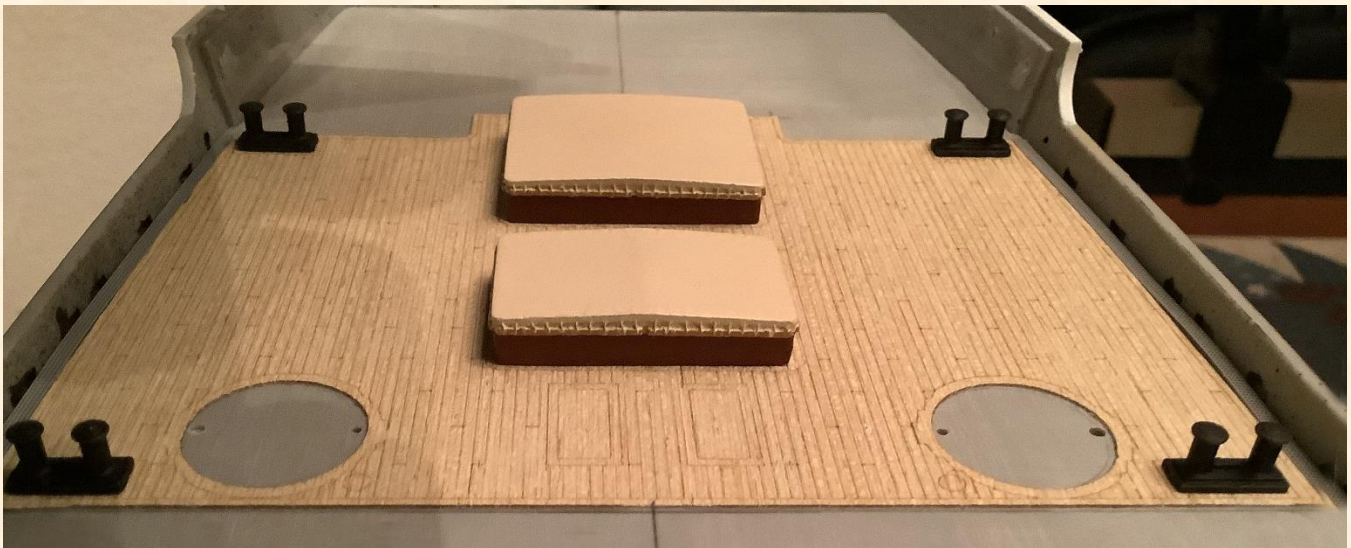


Figure 2 — the fore Well Deck

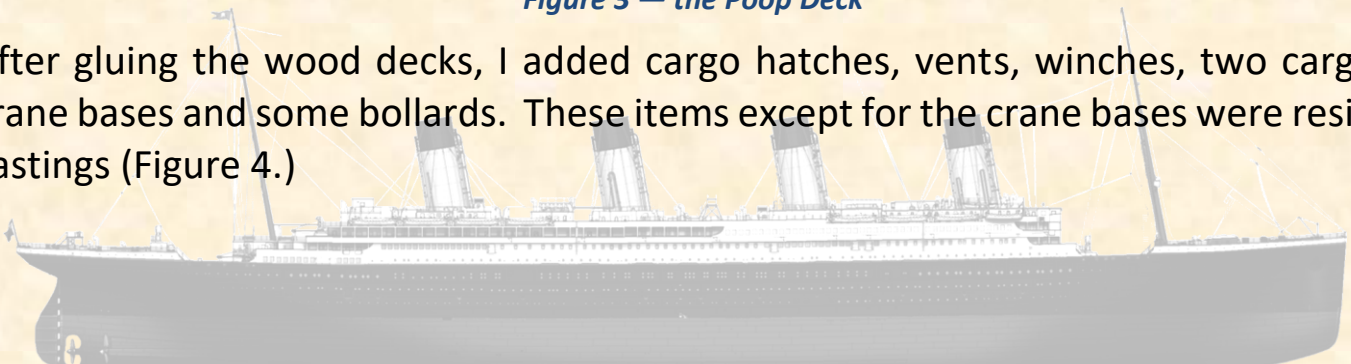
The Forecastle and Poop Decks

Installation of the Forecastle and Poop Decks was similar to the installation of the Well Decks. Wood decks were applied to the plastic decks. I then painted the lower halves of the bulkheads brown on both decks. Photo etched doors replaced the kit doors (Figure 3.)



Figure 3 — the Poop Deck

After gluing the wood decks, I added cargo hatches, vents, winches, two cargo crane bases and some bollards. These items except for the crane bases were resin castings (Figure 4.)



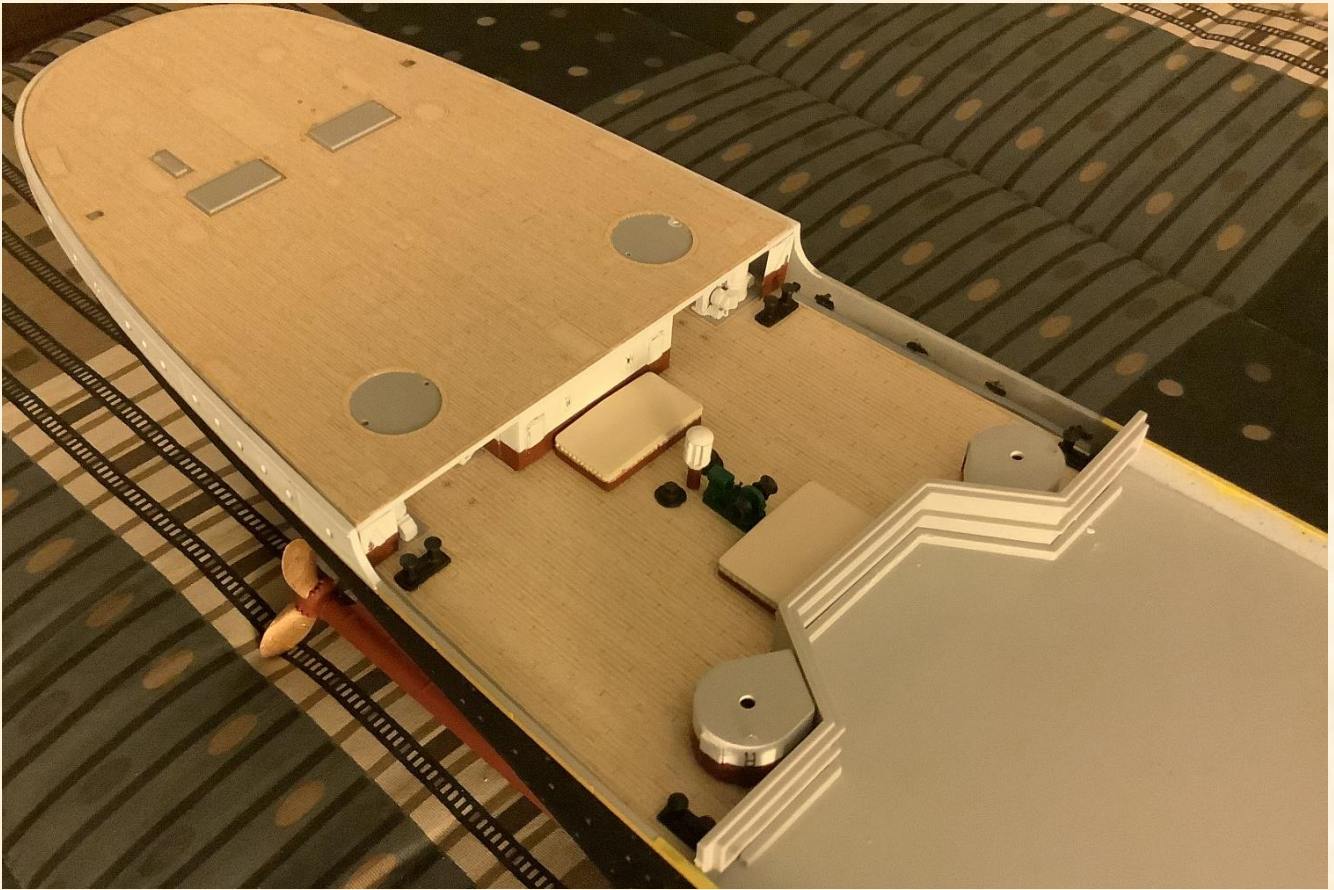


Figure 4 — Poop and aft Well Decks

C Deck

There wasn't much detail to add to C Deck, since most of it is hidden by the hull. It did serve in strengthening the model's hull because this deck is continuous from the fore well deck to the aft well deck. I added the Private Promenades to both sides of the C Deck (Figure 5.) My original intention was to install LED lighting to make this area visible... but more about that next month!



Figure 5 — Private Promenade on C Deck

Next time: I will discuss the installation of B Deck and the Promenade (A) Deck, with its structures and photo-etched windows and doors.



Resources

Model shipcrafting resources originally compiled by Guild Member and master modeler Mike Lonnecker. New resources are highlighted in light red and local resources are highlighted in light green. This list appears quarterly in the Newsletter. Forward resource [suggestions](#) for addition to the list.

Company	Source For	Notes
LAUCK STREET SHIPYARD	courses, practicums, books	modeling education aids
MODEL SHIP WORLD	forums, build logs, tips, info	modeling club (very informative)
MODEL WARSHIPS	forums, build logs	for the plastic ship modeler
NAUTICAL MIND	nautical books	some European books
NAUTICAL RESEARCH GUILD	quarterly magazine	modeling research group (excellent)
SEAWATCH BOOKS	modeling books	books geared to the model builder
WOODEN SHIP MODELING	photos, videos, tips	tips for building models

Company	Source For	Notes
123 STITCH	sewing supplies	DMC cotton thread for rigging
ADMIRALTY MODELS	plans, photoetch, kits	by David Antsherl, Greg Herbert limited product line (excellent quality)
AGES OF SAIL	kits, parts	complete line of Amati kits
BLICK ART MATERIALS	wood, glue, paint, paper, stock	art materials 1844 India St, San Diego CA
BLUEJACKET SHIP CRAFTERS	kits, parts	(good quality)
BYRNES MODEL MACHINES	table saws, disk sanders	(the best)
CARVING ORNAMENTATION	carving tutorial	techniques, tools, materials for use in carvings for ship models
CINCINNATI SURGICAL	Swann-Morton blades, handles, hobby blades	surgical supplies (good selection)
CRAWFORD TOOL	screwdrivers, hex drivers	Wiha, Bondhus, Knipex tools
DEDECO	rotary tools, burrs, stones, cutoff wheels	cutting tools (big selection)
ePLASTICS	plexiglass, display cases, dustcovers	plastic supplies (formerly RIDOUT) 5535 Ruffin Rd, San Diego CA
ESSLINGER	jewelry tools, parts	watchmaker
FOREDOM	rotary tools, handpieces, accessories	flexible shaft tools
FORSTER PRODUCTS	Swiv-O-Ling vise	gunsmithing tools
FROST HARDWOOD	hardwood, veneer, glue	hardwood supplier 6565 Miramar Rd, San Diego CA
GESSWEIN	hand tools, drills, burrs, finishing materials	jewelry supplies (high quality)
GRS	supplies, ring clamp system, vises, gravers, engraving tools	jewelry tools
GYROS	cutting tools, saws, sanding disk/drums	for use in rotary style machines

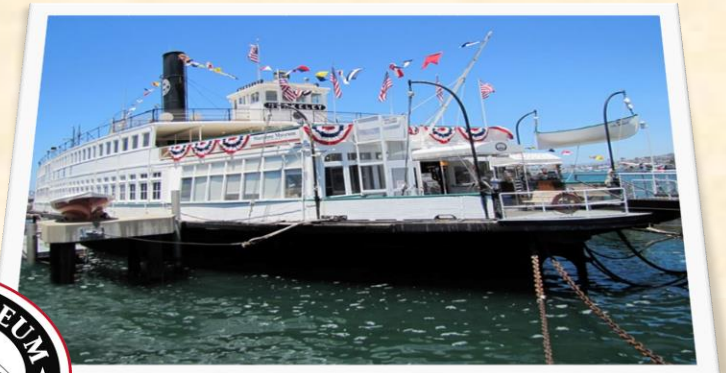
Company	Source For	Notes
HOBBYLINC	cars, plane, ship kits, paints, supplies	online hobby shop
J I MORRIS	miniature fasteners	specialty hardware
JAPAN WOODWORKER	hand tools, chisels, gouges, hand planes, accessories, sharpening stones	woodworking tools
LEE VALLEY	hand tools, power tools, small planes, sharpening systems	woodworking tools (high quality)
LITTLE MACHINE SHOP	lathes, mills, tooling, parts	benchtop machinist tools (high quality) (good prices)
LOYALHANNA DOCKYARD	kits, parts	mostly steel navy
LUMBERYARD	kits, wood, cannons	wood kits for Hahn-style scratch builds great cannon kits in 1/4" and other scales
MARSHALL'S HARDWARE	hardware	general hardware 8423 Production Ave, San Diego CA
MICRO-MARK	modeling tools, hand tools, machine tools	mostly from China (large selection) (medium quality)
MINI TAPS	mini taps, dies, fasteners	specialty hardware
MODEL MOTORCARS	model size nuts, bolts	motorcar kits site with miniature hardware
MODEL-EXPO	kits, parts, tools	imported tools (large selection) (medium to poor quality)
OTTO FREI	jewelry tools, GRS BenchMate, vises, Woolf tools, Freedom tools	good prices
PRECISION SCALE MODEL ENGINEERING	parts, materials, tools	huge selection
PROXXON	power hand tools, machine tools	specialty modeling tools (big selection) some machines used to be Preac
RIO GRANDE	jewelry supplies, files, pliers	Swiss, German, USA made (high quality)
ROCKLER	hand tools, power tools, wood, finishing	woodworking supplies 8199 Clairemont Mesa Blvd, San Diego CA
SHERLINE MACHINES	table top lathes, mills, accessories	woodworking machines (good quality) excellent variety of accessories 3235 Executive Ridge, Vista CA
SILVER SUPPLIES	silver solder	jewelry supplies
SWANN-MORTON	scalpels, blades	(the best)
TAIG LATHE	table top lathes, mills, accessories	uses Sherline accessories similar in size to Sherline but more robust (excellent quality)
TH&H	domestic wood, trim, finishing	wood supplies 8849 Complex Dr, San Diego CA
THUNDERBIRD SUPPLY	tools, metal, beads, solutions	craft supply
TRAVERS	drills, end mills	machine shop tools
UMM-USA	kits, tools, accessories, detailing	hobby shop cars, aircraft, armor, ships, subs
UTOPIA TOOLS	jewelry tools, hobby supplies	wide range
WELD FABULOUS	Smith little torch	welding supplies
WOOD DATABASE	wood information, color, hardness	wood compendium



Alex Roel

San Diego Bay, January 30, 2022, 9:25am

Thanks to our sponsor, the Maritime Museum of San Diego, the San Diego Ship Modelers Guild is fortunate to call not only San Diego Bay our home, but also the steam ferry BERKELEY, part of the Museum's fleet tied up on San Diego's Embarcadero.





The Bitter End

Mission Statement



The [San Diego Ship Modelers Guild](#) is dedicated to the preservation and enhancement of the craft of building scale ship models and to providing a forum for the exchange of ideas, information, skills, and techniques.

Maritime Museum of San Diego



The Guild encourages all Members to join and maintain an annual membership in the [Maritime Museum of San Diego](#). As our sponsor, the MMSD provides the Guild space aboard the steam ferry BERKELEY to hold monthly meetings; allows us to work in, store supplies, and maintain the Museum Model Shop; and annually awards Guild entrants ribbons and cash prizes for the Design In Wood competition at the San Diego County Fair.

Nautical Research Guild



The Guild also encourages all Members to join and maintain an annual membership in the [Nautical Research Guild](#). As a chartered Chapter Club, the NRG accords certain benefits, privileges, and protections to our Guild.

Piracy in Model Shipcrafting

Although there is no single, agreed-upon definition of what constitutes "piracy", the use of another's intellectual or physical property without recompense is the basis for any working definition. Unfortunately, this is an issue that affects our craft: be scrupulous and avoid purchasing pirated kits or materials.



Our Founders

The Guild was founded in 1971 by Bob Wright and Russ Merrill in collaboration with Ken Reynard, Captain of the barque STAR OF INDIA.