

The Lynx

Monthly newsletter of the Washington Ship Model Society
Volume 82, Number 10 Washington DC
October, 2009

Next Meeting

Saturday, October 10, 2009 At 10 A.M.

At

Bethesda Naval Hospital

8901 Rockville Pike

Bethesda, MD 20889-5600

(301) 295-4611; toll-free 1-800-526-7101

www.bethesda.med.navy.mil

Directions:

From Capital Beltway (I-495)

NNMC lies on the Maryland side of the Capital Beltway (I-495) in Montgomery County. The Beltway is accessed from the north on Interstate 95 or the Baltimore-Washington Parkway, from the east on MD Rt. 50, from southern MD on MD Rt. 4 or 5, from all points south on Interstate 95, and from the west on Interstate 66. Head west on the Capital Beltway. Take Exit 34, Rt. 355, South, Wisconsin Ave. towards Bethesda, in left lane. Cross Cedar Lane; at first median crossing (no light), turn left into the National Naval Medical Center. At the guard station, show ID. From here you will be directed to parking.

Skipper's Corner

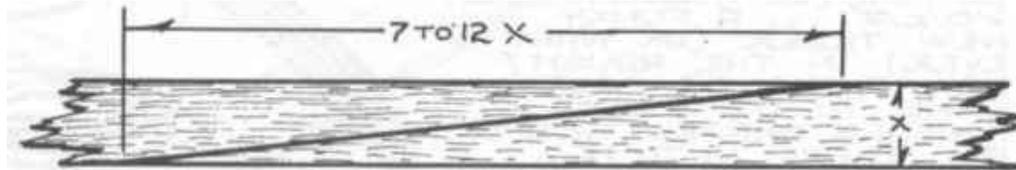
The membership elected a new skipper and 1st mate at the July meeting. Bruce Buchner is our new skipper and Lou Husser is our 1st mate. John Reeder was strong armed into continuing as our purser and Charles Huet is the reluctant scribe. Patricia Woodhouse, one of our newest members has take over the task of creating and maintaining a club website. The url is: www.dcshipmodelsociety.org. We look forward to getting the website finally up and running.

Scarfig Model Rubrails

This tip was originally developed for scarfig rubrails for a full-sized boat. I however found the information including the jig useful for making scale model rubrails as well!

Extracted from the modeling notes of the WSMS 1st Mate

Some builders have found it difficult to find stock long enough to make the rub rails in one piece. They can find 12', or even 14' stock, but not the 16' long stock needed. Making each rub rail up of two pieces presents its own problems ... a simple butt joint would be hard to match up on the curved side of the hull. And besides, part of the strength of the hull is the stiffening effect of the un-broken rub rails.



From [The Sailor's Sketchbook](#), by Bruce Bingham (out of print)

Scarf joints are often used in boat building, and they provide an easy solution to the rub rail problem. A scarf joint is a long angled joint. The long angle provides a lot of "glue surface" for the joint, making it very strong. For a 1 x 2 intended to be bent around a hull, a 1 to 12 scarf joint is ideal ... meaning that for every inch of thickness, you need 12" of length. In the illustration above, we would be looking at the 1" edge of the rub rail stock in a top view, so "X" would equal about 1". The "7 to 12 X" gives the recommended range of scarf joint lengths ... from 7 to 12 times the thickness of the wood. For joints where there is stress ... like bending around a hull ... its better to use 12x's the thickness of the wood.

Looking at that joint, you realize something right away. You lose 12" of length because they overlap. So for our rub rails, which have to end up at 16', you can't use two 8' 1 x

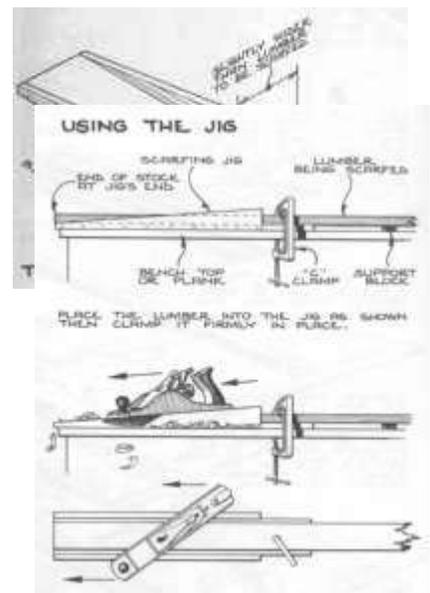
2. You could use one 8' and one 10' 1 x 2 ... butted end to end the y would be 18', of course, but after the angle cut and overlapping them to make the scarf joint, you end up with 17' long rub rails. A little long is better than too short!

There are a number of ways to cut this joint. First, you could use a [tapering jig](#) on your table or band saw. Adjust the jig for a 1:12 cut and taper the end of each rub rail piece. For a scarf joint to be successful, the mating surfaces must be smooth. Some light sanding is in order to remove saw marks from the mating surfaces. This is best done by using a sanding block to evenly sand them; hand sanding may produce low spots and weaken the joint.



A simple jig can be built to use a hand plane or router to cut the angle. The jig illustrated below if from Bruce Bingham's *The Sailor's Sketchbook* again. The jig is built with angled sides that produce the 1:12 ratio. The jig and rub rail stock is clamped to the bench, and a hand plane used to trim down the stock. Note that the plane is held at an angle to the jig, so that the sole in front of the cutter rides along one side, and the sole behind the cutter on the other side. A similar jig could be built for use with a router.

Gluing up the scarf joint is not hard, although some builders have trouble with the joint slipping. To prevent that, mate the pieces together without glue, clamp them temporarily, and drill a 1/16" hole from the back in the middle of the joint. You only have to go deep enough to start the hole in the front rub rail piece. Slather both pieces with Weldwood plastic resin glue or epoxy, put the mating surfaces together, and drive a finishing nail into the hole just drilled. Now apply clamping pressure.



When using c-clamps, use small blocks of wood to help spread out the clamping pressure, and use at least two clamps, one on either side of the “center nail”.
For epoxy, don’t apply too much clamping pressure; you don’t want to force all the epoxy out of the joint. Let the joint cure at least 24 hours ... 48 hours is better.
When you are done, you have a joint that is stronger than the wood itself, and suitable for the gradual bend around the hull sides.

Next Meeting

At Bethesda on Saturday the 10th, usual room. If you are bringing a guest, be sure to let Joe Miller know so he can get them past the gate. Joe’s e-mail is jamillerjr@med.navy.mil

Agenda

- Ψ 1000 – Skipper’s Remarks – Bruce Buchner
 - Still a need for ANC US Constitution event-related models (see flyer) So far we have models from:
 1. Pliny Holt – USS Constitution
 2. Joel Labow - USS Constitution Fighting Top and Cannon
 3. John Nickum – USS Constellation
 4. Vince McCullough – Privateer
 5. Tony Mallia – HMS Beagle
- Ψ 1015 - Show & tell
 - Presentation?
 - Member projects, etc.
- Ψ 1130 - Old business
 - Sultana down rigging planning- Rick Yorczyk
 - Membership packages progress report
 - Progress report on Mugs, Name Tags - Vince & Gene
 - Membership list and Directory – Lou Husser
- Ψ 1145 - New Business
 - Website status Patricia Woodhouse
 - Breakfast with CDR Ty Martin author and former CO of US Constitution
- Ψ 1200 – Adjourn

Upcoming Schedule of Events

23 October Naval Heritage Celebration at the Army Navy Club - Lou Husser

24 October:

Breakfast with CDR Ty Martin author and former CO of US Constitution
(tentative)

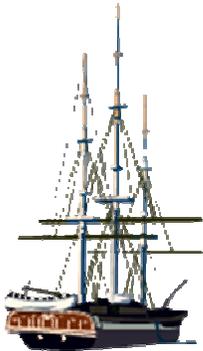
31 October Sultana Down-rigging Chestertown, MD

October 9-11 Mid Atlantic Fleet annual regatta, City Lake, Rocky Mount, NC
1/96 RC ships. Expecting over 50 ships from across the country.

Baltimore ship visits:

Oct 10 - 11	HNLMS Tromp - 475' <i>Royal Netherlands Navy frigate</i>	Fells Point, Broadway Pier
Oct 10 - 11	Schooner Sultana - 97' <i>Chestertown Topsail Schooner</i>	Inner Harbor, Pier

**1st Annual Army Navy Club
U.S. Navy Heritage Celebration Evening
Honoring “Old Ironsides” the USS Constitution**



Now Hear This!
Now Hear This!



The ANC will hold a gala celebration in recognition of our country's proud Naval and maritime heritage. This year's event will be centered on the USS Constitution who's fighting record and long service stretches from the late 18th century all the way up through to today. She is the oldest commissioned warship on the navy rolls and is currently berthed in Boston Harbor. The event will be a formal Mess Dress/Black tie affair. Date and time for the event are:

1800 Friday, 23 October, 2009

The celebration is open to all club members and their guests whether landlubbers, old salts or shellbacks. The night will include a cocktails and dinner with a traditional nautical treat. The affair will be celebrated in the style of a Naval Dining out with a full program of activities ranging from a distinguished speaker provided by the U.S. Naval Institute, detailed models of the Constitution arranged for through the Washington Ship Model Society, a related poem reading, old foes and shipmates honored, and capped by an appropriate port wine toasting session.

Note: Based on the success of this event your club intends to annually honor in succession each of our sea services, to include the Navy, Marine Corps, and Coast Guard.

Lynx links:

<http://www.cnc-models.com/>

<http://mysite.verizon.net/ELLshipmodeler/index.htm>

<http://www.papermodel.jp/english/>

<http://wmunderway.8m.com/home/home.htm>

<http://www.modelslipway.com/>

<http://www.boatnerd.com/>

<http://www.billingboats.com/>

<http://mysite.verizon.net/vzepsy9w/sealaunchcommander2/>

<http://www.greatlakesmodeling.com/>

<http://www.jdproduct.com/>

<http://www.micromark.com/>

<http://www.joesmodels.com/>