Good Old Boat

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ISSUE 111

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Explore unique collections of sailing knowledge and stories available from www.audioseastories.com:
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We've culled a collection of 51 articles from 17 years of Good Old Boat to help guide you toward the happiest day of your life. Yes! That's the day you buy the sailboat with which you'll fulfill your dream, whether that's daysailing, coastal cruising, or voyaging in your bluewater-capable home. The collection covers every facet of the boat-buying process, from weighing your options, to the role of the broker, to the pre-purchase survey, to taking delivery of your chosen vessel by land or by sea. For added value, we've included articles about boat partnerships and preparing a boat for sale.

If you're on the path to casting off the lines and voyaging afar, you're likely eager for information and perspectives shared by successful cruisers. Let us help. We've handpicked from Good Old Boat contributions by writers who have made the leap. Their articles describe boats that make good voyagers, assess the costs of cruising, and review the equipment that earned its keep (or, just as important, that didn't). They'll help you to decide what spares to carry, how to catch rain, how to do laundry, how to handle the big life transition, and much more.

Articles compiled for you from the Good Old Boat archives

Cruising

Boat buyer's collection

Cruising Preparations

Introducing Audio Sea Stories.com

2015 Issue 104 Sept/Oct 2015

Fun on the Foam
Tom Wells

Boat Reviews presents
TM
25 - 27 footers
Small keelboats to sail anywhere
Reviews of some of the first sailboats introduced during the fiberglass era: the early family cruisers and racers in the size range of 25 to 27 feet. All articles were published in Good Old Boat magazine between September 1998 and November 2012.

A MATTER of HONOR
WILLIAM C. HAMMOND

Archive eXtractions
TM

Boat buyer's collection

In the market for a sailboat? We can help!
This collection of articles will help you sort through your options and find answers.

Archive eXtractions
TM

Advice from experienced cruisers to future cruisers . . . those who are contemplating life aboard as well as those who are already on the five-year plan to leave for an extended period of time.

Cruising Preparations

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Repair-centered missions bear unexpected fruit
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On the cover …
Ever see a raven before a glacier? This Raven is Kurt and Nancy Lorenz's 1985 Fairweather Mariner 39 idling in Johns Hopkins Inlet in Southeast Alaska’s Glacier Bay National Park while Kurt cruised around in the dinghy looking for the perfect shot. Raven and her 24 sister ships were built in Taiwan from the original molds for the Westsail 39. She and her owners are now back home in California.

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A TOPPING IDEA FOR STORAGE

Cavernous lockers are handy when you have something bulky to stash: a spare sail, a sun awning, or a folding grocery cart. But the small stuff I store in large lockers mostly slips down into the darkest recesses, only to be found when I dive in headfirst, making the mess far worse than it was. My solution — rather than banning all clutter from the boat — was to make the available space better fit the stuff. I didn't accomplish this by dividing up the space so it can never again hold anything large, I added topper trays, like those found in the traditional seaman's chest. Best of all, to add topper trays, I did not have to cut or drill into the boat.

Specific storage problems beg for custom solutions. I started by carefully considering what items I wanted to make more accessible, where they should be stored, and which of them should be grouped together. Once I knew what I wanted to stow and where, I determined the dimensions each tray needed to be.

Under-the-bunk trays — Bedding and clothing would be stored in the sleeping cabin in trays as deep as a typical drawer in a chest of drawers. For the last 8 years, the under-the-bunk trays I made to fit atop these lockers have kept extra bedding dry and easy to get to.

Under-the-seat trays — Much is permanently lost in lockers under the saloon seats, some of which house air conditioning ducts and plumbing and are unsuitable for storing heavy boxes or loose parts that could roll around. One of my under-the-seat trays contains only electrical parts and electrical tools and I'm able to carry it around the boat as a toolbox — quite handy.

An under-the-bunk tray, top left, is suspended from the sides of the opening on aluminum angles. It can be lifted out with the rope handles or slid out of the way when Drew needs to inspect the steering cables beneath it. The partitioned tray under a settee, above center, keeps small items organized while preventing them from getting lost in the locker beneath. The air conditioning is a recent addition, above. To install it, Drew simply lifted out the storage tray. He had to shorten the tray before putting it back.
Saloon table tray – The deep and narrow center storage area in the saloon table was hopelessly cluttered. For this locker, I built a tray specifically to stow DVDs and the remote, dimensioned to fit the DVD cases on-edge for easy viewing, and with the tray sides cut down so the DVDs can be easily grasped and removed.

Construction
I built my trays light, in part because weight is only useful in steamrollers but mostly because I know I’m more likely to use them if they are easy to heft. I fabricated all my trays from thin plywood and epoxy, using a few wire brads to hold things in place while the epoxy cured. As a result, the trays weigh ounces rather than pounds. Because all of the spaces in which I added trays already had plywood covers, I found no need to build separate lids for my trays.

Nominal ¼-inch plywood, either hardwood or underlayment, is sufficiently strong and stiff for making the trays. For each tray, I first cut rectangles to create the bottom and the sides needed to make a box of the desired depth. I made their length and breadth about ⅜-inch smaller than the opening at the top of the respective storage space (this margin allows for the sliders that support them and for comfortable wiggle room).

After dry-fitting the plywood pieces, I coated the edges with thickened epoxy (West System 105/205 resin and hardener thickened to a peanut butter consistency with fumed silica), and then tacked the edges of the box together with ¼-inch wire brads every 3 to 4 inches. Although the brads lack the strength to hold such a tray together in use, they provide the firm, even pressure needed to hold the shape while the epoxy cures, thus eliminating the need for numerous large clamps.

The ¼-inch plywood is strong enough to make a box, but lacks the beef on the edges needed to accept strong corner fastenings. The traditional solution is to add cleats in each corner, but I knew this would add unacceptable weight to a tray that should slide and might need to be lifted out. Instead, I bonded the tray corners with fillets of thickened epoxy, using my gloved finger to smooth the epoxy to a ¼-inch radius. I used the same thickened epoxy to fair the outside corners, hiding chips and tiny misalignments.

After all the epoxy had cured, I sanded and faired the joints to attain the degree of finish I wanted. I had to coat the entire box with epoxy, but I decided painting was sufficient for this interior application. Before painting, I scrubbed the epoxy surfaces with TSP (trisodium phosphate) and warm water to remove any amine blush (the paint would otherwise never dry). I used four coats of Interlux Brightside polyurethane enamel.

Dividers
For the trays that fit over the lockers beneath the saloon seating, I had specific tool stowage in mind. I fitted dividers in these trays to organize the space (bearing in mind that too many dividers restrict storage of larger items). I used the same plywood-and-epoxy construction method to create the dividers.

Reinforcement
The trays for stowing bedding are quite large, so I reinforced the upper edges of the sides to stiffen them and prevent them from pulling inward under load. After building the tray box, and after the epoxy set (but before it cured, to avoid the need to remove amine blush and to sand), I used thickened epoxy to bond ½- x 1-inch strips of plywood to the longer sides and ¼-inch strips to the shorter ends, tapping in a few brads to hold them in place while the epoxy cured. The trays with dividers did not need additional reinforcement as they were shallower and the dividers provide considerable stiffening.

Handles
For the large trays I built to stow bedding, I installed rope handles for easy lifting. But I seldom use the handles as I can slide the trays out of the way when I need to access the...
depths beneath. For the trays that fit over the lockers beneath the saloon seating, instead of making rope handles, I conserved space by cutting handholds into the ends. I used a hole saw to drill two 1-inch holes set on 3-inch centers and made the straight connecting cuts with an oscillating multi-tool.

**Sliders**

Next, I installed sliders on on two sides of each tray. These allow me to hang the trays from the lip of the locker opening. For the under-the-berth bedding trays and the DVD tray in the saloon table, I created sliders using thin PVC angle cut from the outside corner trim of household vinyl siding. In both cases, the plastic angle is sufficient because I am unlikely to place my body weight on these suspended trays and I am not using them to stow anything heavy. When using the plastic angle as a slider, I attached it along the full length of the tray. For the trays that fit over the lockers beneath the saloon seating, in which I stow heavier items, I made sliders from ¾- x ¼-inch aluminum angle. While unquestionably more durable, the aluminum angle can scratch the gelcoat. To prevent that, I covered these sliders with athletic tape.

On trays with reinforcement added to the sides, I attached the plastic angle sliders with countersunk #6 x ½-inch brass screws every 6 inches. The sides of the trays that are not reinforced are too thin to screw into, so I attached the aluminum angle with countersunk flathead #8 x ½-inch bolts.

The aluminum angle sliders attached to the trays beneath the saloon seating.

**Atop-the-table tray**

Every time we prepared for sea, we'd have to put away all of the bits and pieces that had accumulated on the saloon table; there was no fiddle to prevent them from sliding off. Adding a fiddle would have made the table less comfortable in port and created lumps under the cushions when it was converted to a berth. Instead, I attached a fiddled tray to a new cover I made for an existing storage locker in the tabletop. It's easy to lift out when we want to access the locker and we can stow it and replace it with the original plain cover when we convert the table to a berth. We have even used this fiddled lid as a serving tray.

I used similar methods to construct the table tray as I did the topper trays, but because this tray is exposed to view, I gave greater attention to fit and finish when building it. I used ¼-inch plywood for the base (a rectangle about 5 inches longer in each dimension than the locker cover), and framed it with 1¼- x ¾-inch pine. I mitered the corners of the frame and cut a ¾-inch x ¼-inch rabbet in the pine edges to bring the bottoms flush with the plywood rectangle. This gives my tray 1-inch-high fiddles, which are sufficient for my catamaran (taller fiddles may be more suitable for monohulls). I bonded the plywood rectangle to the pine with thickened epoxy, tacked the pine to the rectangle from underneath with wire brads, and clamped everything together.

I cut a board from pine lumber to match the size of the original cover and screwed and glued it to the underside of the tray. I attached felt tabs to the exposed underside of the tray to prevent it from scratching the table. I could have attached the tray to the original cover, but I wanted to preserve the original cover for a future owner, and we need a plain panel when the table is converted to a berth.

I finished the tray with 4 coats of semi-gloss varnish to match the rest of the woodwork, lightly scuffing between coats with 400-grit paper.

The same effect could be achieved with minimal carpentry — just add a few felt pads to the underside of a store-bought serving tray and fasten it to a locker cover with screws.
do cause the plywood covers to be proud by about 1/16 of an inch, but under a seat cushion this isn't noticeable. The thickness of the plastic sliders on the DVD stowage tray would ordinarily cause the saloon table filler to sit a fraction of an inch too high, but the original filler board was supported on felt pads, and removing the pads from the area beneath the tray provided the required clearance for the sliders. I think if I'd not had the option to remove the pads, I could have solved the problem by cutting recesses in either the filler or the cabinet, or by supporting the tray on narrow cleats lower in the locker.

Odd-shaped locker openings
Locations where stowage lockers don’t have parallel sides, such as under a V-berth, might require an imaginative approach. The trays could be made to fit the existing supports, or the supports could be modified to accept trays with parallel sides.

Living with topper trays
After using the topper trays over a period of time, I got tired, every time I accessed a tray, of removing the large heavy plywood locker covers and then having to find a place to set them aside. Because the cabin is dry, I bought inexpensive piano hinges at Home Depot, lightly coated them with Corrosion Block anti-corrosion spray, and attached them so the plywood covers are easy to lift in place. I have yet to see a spot of rust on these hinges and access to the topper trays is much easier.

The seat-locker covers on Shoal Survivor are large plywood boards. To make this one easier to deal with, Drew attached it to the locker top with a piano hinge. finished, I replaced the trays just as quickly as I'd removed them. When one tray needed to be made smaller to allow space for a duct, it was easy to cut the tray back to the first divider, refinish it, and drop it back in place. Imagine the hassle a fixed installation would have presented: demolition, head scratching, rebuilding, refinishing, and all the associated stress.

I built and finished all of these trays at home during otherwise wasted evenings. It’s great that they can be removed in seconds to allow access for maintenance. And because the trays have tight lids when the locker covers are in place, no bits and pieces stowed in them have rolled into the inaccessible corners of deep lockers while under sail. Much better.

Drew Frye cruises Chesapeake Bay and the mid-Atlantic coast aboard his 34-foot catamaran Shoal Survivor, searching for out-of-the-way corners known only by locals. A chemical engineer by training, 40-year climber and 30-year sailor by inclination, he brings a broad mix of experiences to solving boating problems and writing about his solutions.

Resources
The products used in making the topper trays can be found in most marine stores

- West System 105/205 resin and hardener
- Fumed silica (Cab-O-Sil, for example)
- TSP (trisodium phosphate)
- Interlux Brightside polyurethane enamel
- Corrosion Block

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