A Visit to the Design Doctor

Hank Gilpin has the answers for 3 frustrated furniture makers

BY MATT KENNEY



Constructive advice. Stephen Harding (left) drove up from Delaware to spend a day with Hank Gilpin, who helped him improve the design of his bookshelf.

here are two big challenges in furniture making: mastering the craft's tools and techniques, and developing one's sense of design. Many of us spend most, if not all, of our time tackling the first. That's a shame, because all the technical skill in the world cannot save an unattractive piece of furniture.

That's what led me to ask Hank Gilpin, an accomplished furniture designer and maker, to help some of our readers by critiquing furniture that they had built and drawing an improved version of each piece. He gladly agreed, and I posted a call for submissions on FineWoodworking.com looking for a few brave souls with interesting furniture and thick skins. In the end, Gilpin picked three pieces, made by Mike Flaim of Milford, Ohio; Stephen Harding

of Newark, Del.; and Brian Havens of San Jose, Calif. Harding was close enough to drive up to Gilpin's Rhode Island shop for a face-to-face session.

You might not envy these three. After all, many of us leave a part of ourselves in every piece we build, and criticism about something we have such a personal connection to can sting. But that's not the way they see it. Harding was particularly pleased with the outcome of his day with Gilpin. As he listened to Gilpin's advice, he began to understand how to free his sense of design, and says that he left energized, ready for his next project.

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Consider every detail According to Gilpin, Stephen Harding's bookshelf with drawers is a case of unrealized potential. He liked the basic design but thought it fell down on its details. For example, Harding used quartersawn stock for the shelf and the lower rail. As a result, the front edges of these parts have unappealing plainsawn grain. Harding also made some missteps in construction. The grain on the walnut BEFORE drawer dividers runs in the wrong direction, so their movement runs counter to the movement of the shelf and lower rail. After meeting with Gilpin, Harding said he learned two big lessons. First, Gilpin told him to draw more before he begins to build—up to 100 (!) sketches for every piece—as he considers and refines every detail, which is lesson No. 2. An arc on the top of the sides adds GILPIN'S TAKE The sides should have a refinement. consistent taper, beginning just above the shelf and continuing to The sides should be proud of the shelf and lower rail. the top. On the original, the front Even if you get them flush initially, they eventually won't edge is thinner than the back. be because of seasonal movement. And accidental details like that are a sign of poor planning. The shelf and lower rail should The **contrast** between the dark have a true curve on their brown end grain of the walnut front edges. Harding left a flat drawer dividers and the red-oak in the center of the curves to drawer fronts is too strong. Make match the drawer front. the dividers from red oak instead, and change the grain direction to vertical so that the dividers move with the other parts rather than Cut the drawer fronts against them. from a single board for continuous grain from side to side. Use riftsawn boards for the shelf and lower rail, so the grain on the top and the front edge is straight. The flatsawn grain on The through-dovetails Harding's piece is too are a nice touch, but hold. use three tails rather For a sturdier base and a than two. more refined look, give the sides feet by beveling the inside face and cutting an arc into the bottom.



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from multiple boards, adds to the factory feel and drowns out the beautiful cathedral grain of the door panels. Gilpin recommended finding a thick board large enough for all of the most visible parts so that the color would be consistent. That would also allow Flaim to control the grain on the door frames especially. Using riftsawn lumber, with its straight grain, would cause the frames to step back from the door panels, rather than compete with them.





Furniture design, the Gilpin way

For the better part of a day, Gilpin discussed design and technique with Harding, offering him some great general advice on both counts. Here's a distilled version:

- Design to please yourself, regardless of who the client is.
- Limitations are good. It's far easier to design a cabinet to hold three specific pieces of pottery that will be hung in the kitchen and made from that specific stack of cherry in the shed, than it is to design "a wall cabinet."
- Be deliberate about every part.
 Nothing should be accidental or done after the fact. Ad-hoc design choices look sloppy and out of place.
- Engineer as you design. Open a book about joinery and consider how parts will be held together. Every detail of construction should be worked out by the time you're done designing.
- Creativity begins with a question. Ask yourself, "What can I do to make this more interesting, more fun, or different?"
- Keep complete control over grain and color. This starts at the lumberyard, so know how to read end grain and what it tells you about how the face and edge grain will look.

Less is more



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