JOSH WELTON

Josh Welton, owner/operator of Brown Dog Welding LLC — a fabrication and art studio in Detroit — is an established welder, fabricator, teacher, artist, writer, social media influencer, podcast host, entrepreneur and automotive enthusiast. He is a contributing writer to TheFabricator.com, The Welder Magazine and DodgeGarage.com.

Follow Josh at BrownDogWelding or on Instagram @WelderAssassin.

SKILL LEVEL: Moderate
TIME COMMITMENT: 20–24 hours

TOOLS AND MATERIALS

- Millermatic® 255 MIG welder (used on the tabletop frame)
- Multimatic® 220 AC/DC multiprocess welder
- 4-1/2" grinder
- Portable band saw
- 1/2" square tubing
- 1-1/2" angle iron
- 1" x 1" angle iron (for the bottom slides)
- 1/2" angle iron (for the drawer pull)
- 14 gauge sheet metal
- 14 gauge stainless steel
- Silicon bronze
- 3/8" bar stock
- 1-1/4" diameter round stock

WARNING: READ AND FOLLOW ALL LABELS AND THE OWNER'S MANUAL.

BEDSIDE TABLE

Learn how to create a bedside table inspired by a single piece of wood.

STEP BY STEP

Find a piece of wood, cut it to the size you want and sand it to serve as your table top. Staining the wood is optional. You can then use this as the template for building the frame. Mine had an angled edge that allowed me to set it in a frame.

Make the table top frame to put the wood into by using 1-1/2" angle iron.

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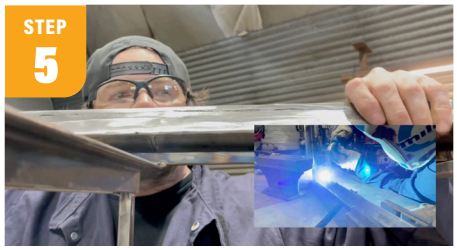
STEP 3

Tip the top pieces of the angle iron so they match the angle on the wood, allowing the wood to sit into the frame.

STEP 4

Once you have the angle you need for the top of the frame, tack weld it together using your Millermatic 255. I used silicon bronze throughout this project for a contrasting look.

STEP 5

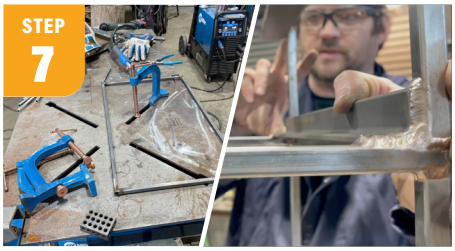


Using more angle iron, box the bottom of the tabletop frame with tack welds using the Millermatic 255.

STEP 6

Once you have the top and bottom of the table top, weld the edges to remove any gaps in the frame and sand the edges down until the wood fits nicely.

STEP 7



Using 1/2" square tubing, you will create the two shelves and legs of the table. For the top shelf, I cut six pieces of square tubing 6" in length. For the horizontal parts I cut them to 16-1/2" long.

STEP 8

Tack weld the tubes to the frame of the tabletop. Be sure to keep the middle tube centered to allow the shelves to be symmetrical.

STEP 9

Measure and determine the height you would like your table to be, keeping in mind the shelves are 6" tall. My legs are about 18" long, for a total height of 25-1/2". (The round stock feet add 1-1/2" to the total height.)

STEP 10

Once the top shelf and legs are created, build the bottom frame/shelf of the table using the rest of the square tubing. I created a geometric pattern and measured the distance between each tube to keep the distance between them the same. Tack weld into place.

STEP 11

Weld the 1-1/4" diameter round stock to the four bottom corners of the table. You can drill into the bottom and add feet later to help level the table.

STEP 12

Next, create slides for the drawers to rest on and slide into. I used 1" x 1" angle iron for the bottom and 3/8" bar stock for the top.

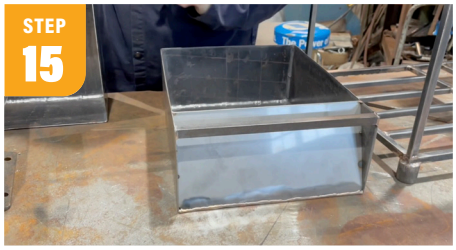
STEP 13

Drill and tap a 3/4" hole into the top bar stock on either side at the front of the stand to add a drawer stop later.

STEP 14

Using sheet metal, tack weld and build the drawers into a box shape that will fit the shelves.

STEP 15



For the front of the drawer, I used stainless steel for contrast and attached 1/2" angle iron for a handle to pull it open and shut.

STEP 16

Slide the drawers into the shelves. Using the holes you made in the bar stock previously, screw in the bolts and add the anchors to set the depth of the drawer and stop it from falling out.

STEP 17

To finish the bedside table, set your piece of wood on top, inside the frame.