

CHIEF'S SHOP PLAN OF THE WEEK

GARDEN TOOL TOTE



ABOUT THESE PLANS

On this first page you will see above the project complete. On one of the last two pages you'll find the finished outer dimensions. Be sure to read ALL of the project steps before you start.

To the right is a list of the Lumber, Hardware/Supplies, and Tools you will need to complete this project. A measuring tape and pencil are not included because that should be pretty standard and self explanatory.

Below What You'll Need is the Parts list. This also is included on the Cutting Diagram page, which is the last page of this plan document. Also on the Cutting Diagram page is an estimate of the cost of the lumber. This estimate doesn't include any other supplies and does not factor in sales tax.

Throughout these plans you'll find the icons below:



LAYOUT This indicates a diagram detailing the dimensions of a project part and/or the placement for pocket holes, screws, nails, etc.



NOTE Notes are the instructions for a particular step/section of the project.



TAKE CARE! This indicates when to pay close attention to the diagrams, take precautions for safety, etc.



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WHAT YOU'LL NEED



LUMBER

- 1 - 2x2x8
 - 1 - 5/4x6x8 decking
 - 1 - 1 x 8x x8
- (availability will vary, use scrap wood from leftover projects)

HARDWARE/SUPPLIES

- 2 1/2" deck screws
- 2" deck screws
- Kreg 1 1/2" pocket hole screws
- Kreg 1 1/4" pocket hole screws
- 3/4" lath screws
- 2" utility hinge
- small chain
- wood glue, wood filler,
- pocket hole plugs, choice of finish

TOOLS

- miter saw, jigsaw
- sander
- drill/driver with 1" Forstner bit
- Kreg Jig
- clamps
- bolt cutter
- square



NOTE

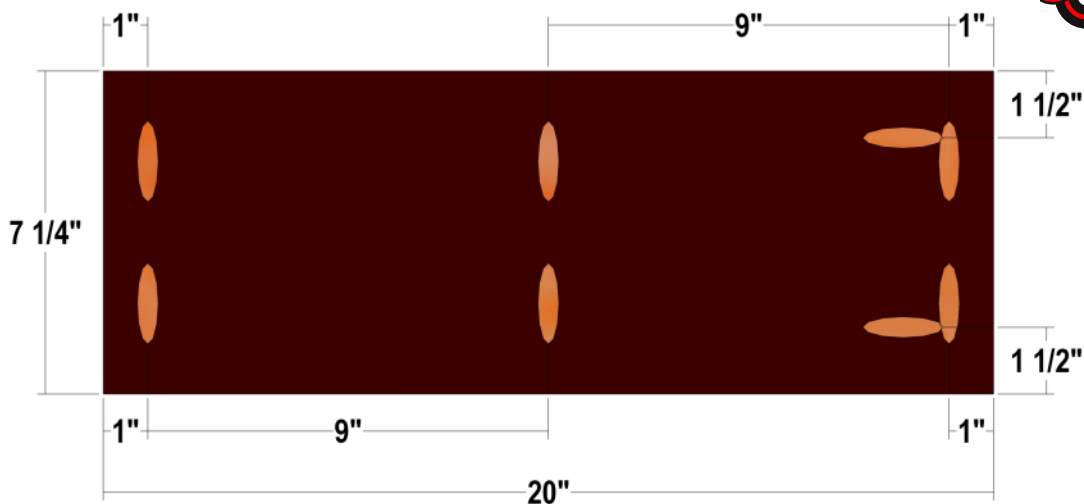
Apply glue to all mating parts.

PARTS

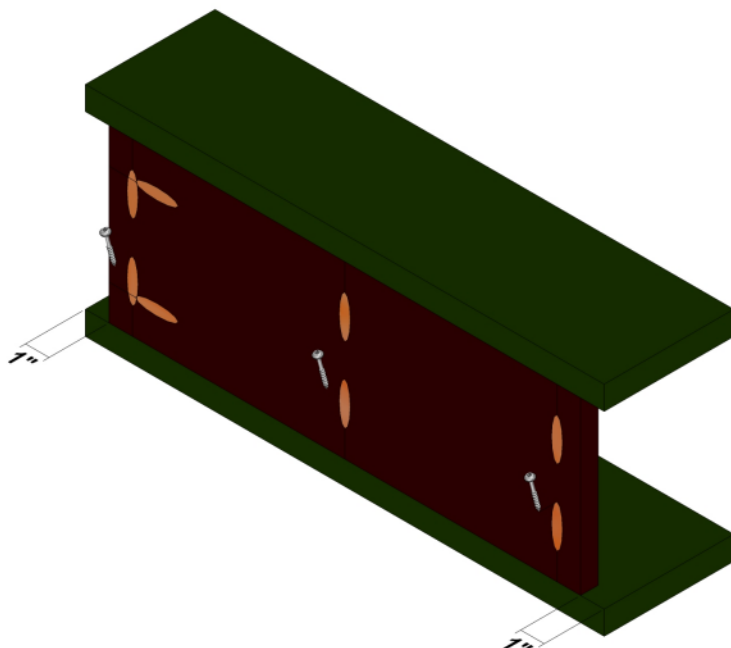
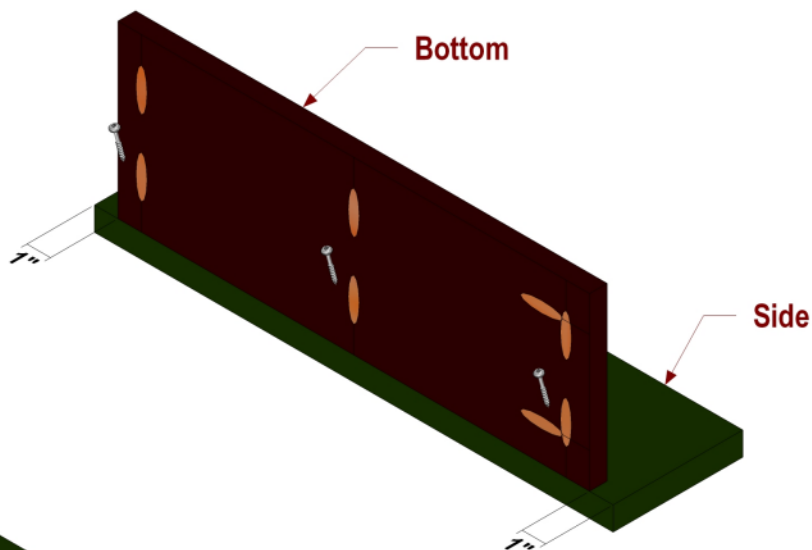
- bottom (1) - 3/4 x 7 1/4 x 20
- sides (2) - 1 x 5 1/2 x 22
- handle (1) - 1 x 5 1/2 x 13
- rotating end (1) - 1 x 5 1/2 x 7 1/8
- fixed end (1) - 1 x 5 1/2 x 7 1/4
- struts (2) - 1 1/2 x 1 1/2 x 19 1/4

All parts are listed in actual dimensions. Refer to the Cutting Diagram on the last page of this plan as a guide for determining the specific board from which to cut the parts.

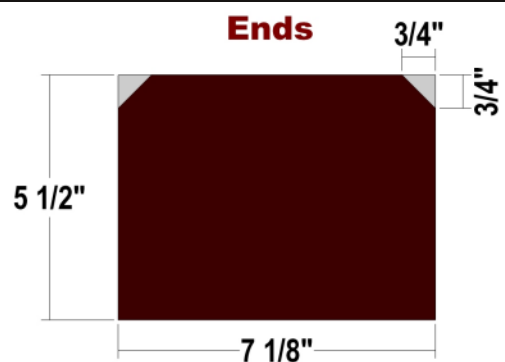
Bottom



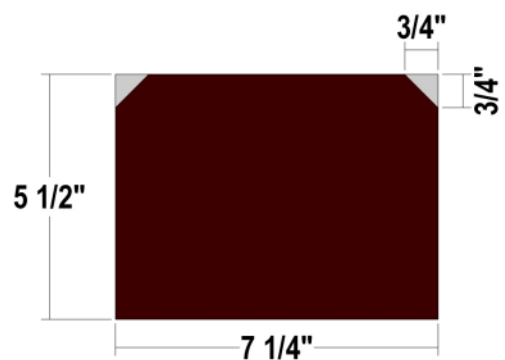
Use the layout for creating the Bottom. Set your Kreg Jig and drill bit for 1" stock for the pocket holes. You will be attaching the bottom to stock that is 1" thick.



Position the parts as shown, and attach using 1 1/2" pocket hole screws.

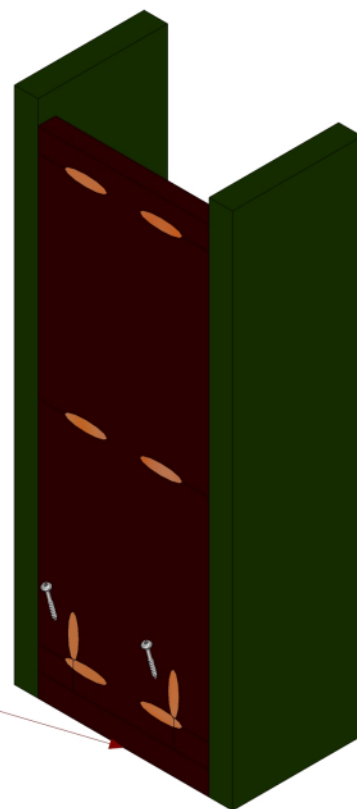


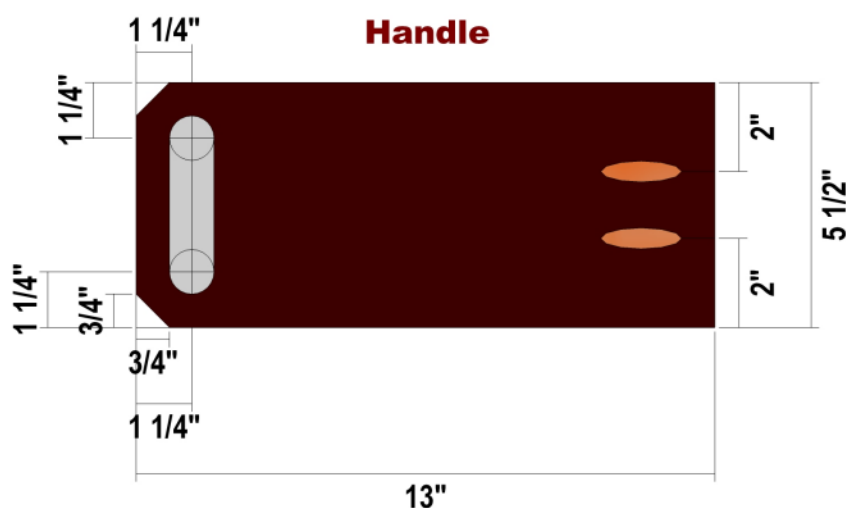
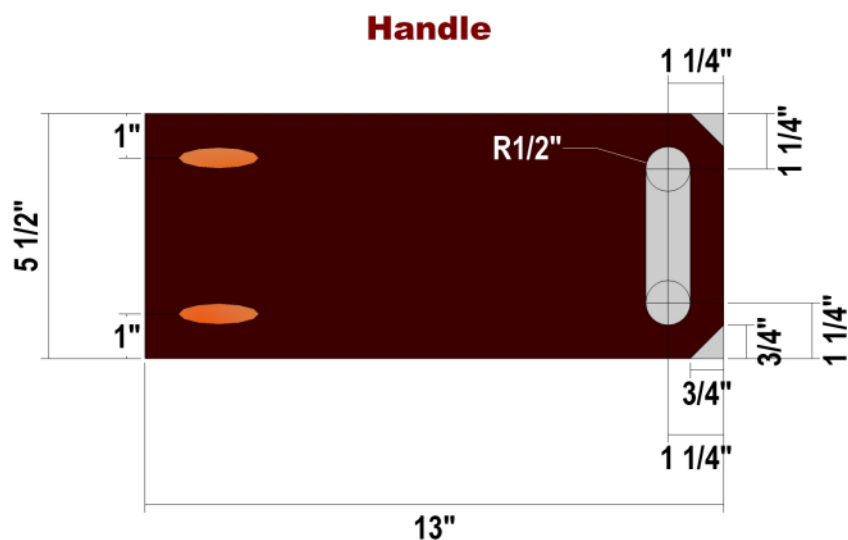
Use the layout for creating the Ends. The top layout is for the Rotating End and the bottom layout is for the Fixed End. **Cut a 45-degree miter on the corners as shown.**



Position the parts Fixed End as shown, and attach using 1 1/2" pocket hole screws.

End
(7 1/4" wide)

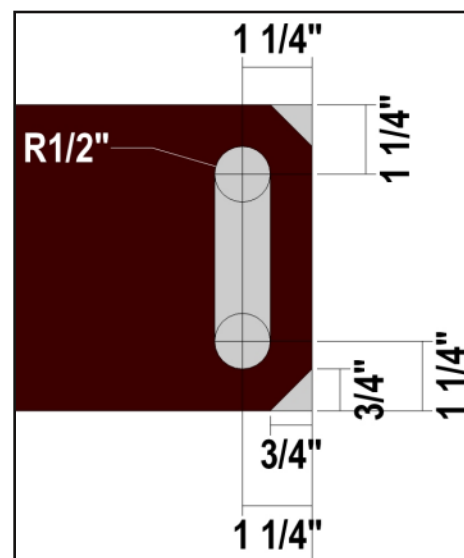


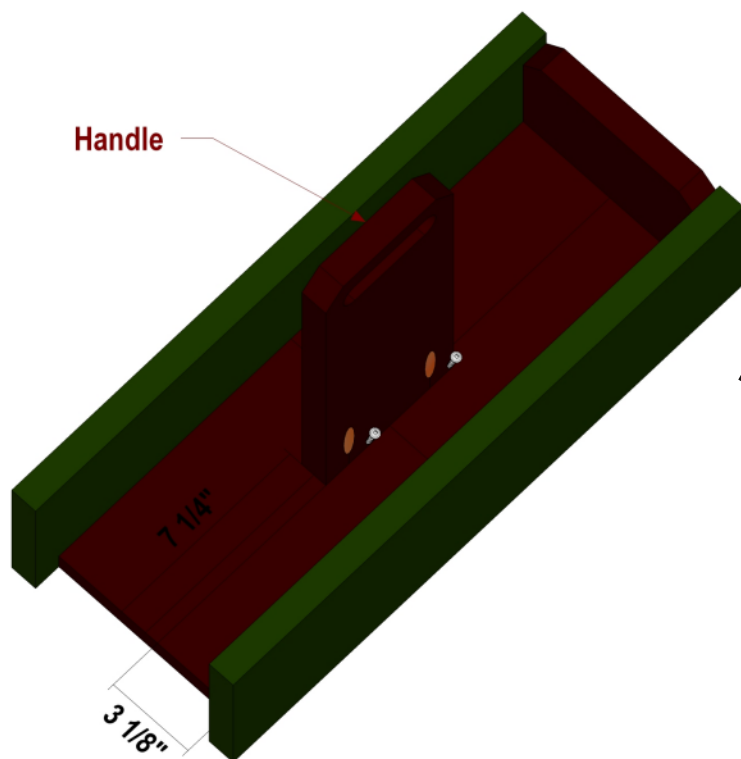


 NOTE

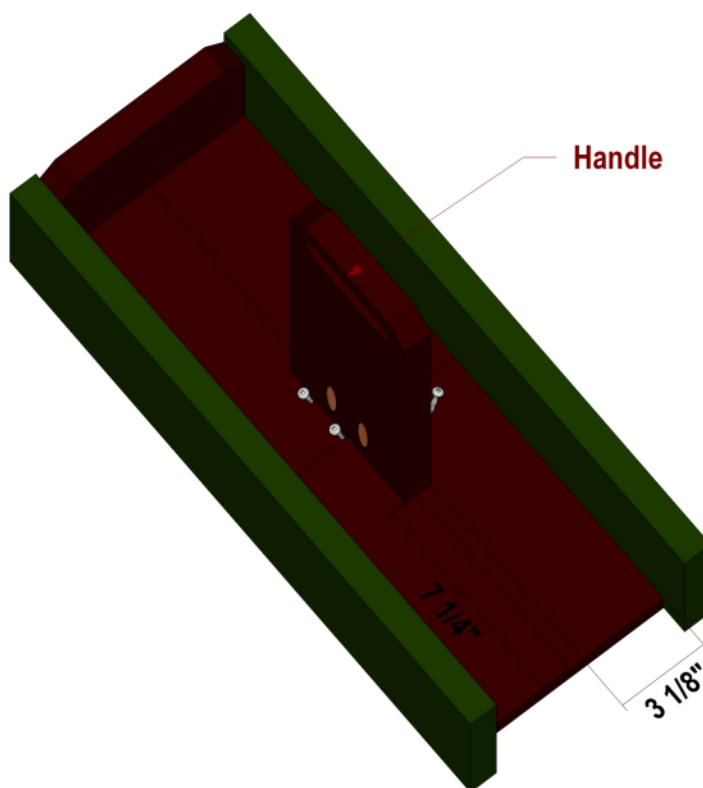
Use the layouts for creating the Handle. Set your Kreg Jig and drill bit for 3/4" stock for the pocket holes. Drill the holes as indicated at top left on one face, and the holes as indicated at bottom left on the opposing face.

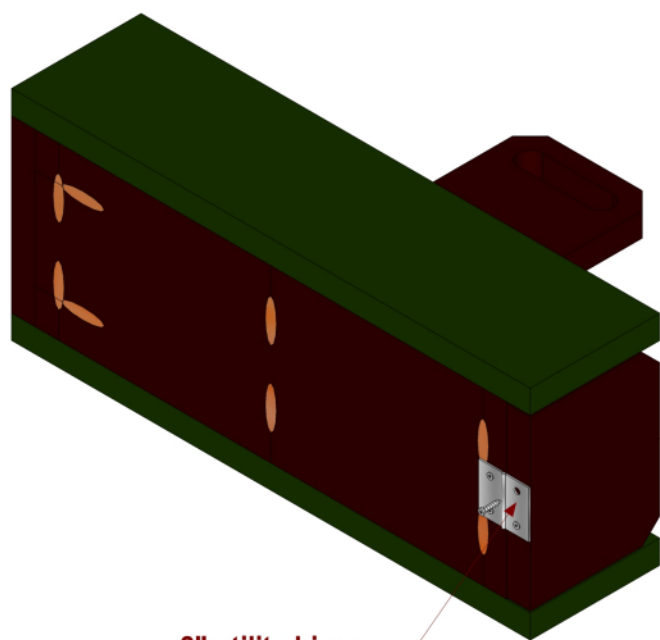
Below is a closeup of the handle cutout. The crossmarks indicate the center point for drilling 1" holes using a 1" Forstner bit. Use a jigsaw to cut out the remainder.





Position the Handle centered on the bottom as shown, and attach using 1 1/4" pocket hole screws.





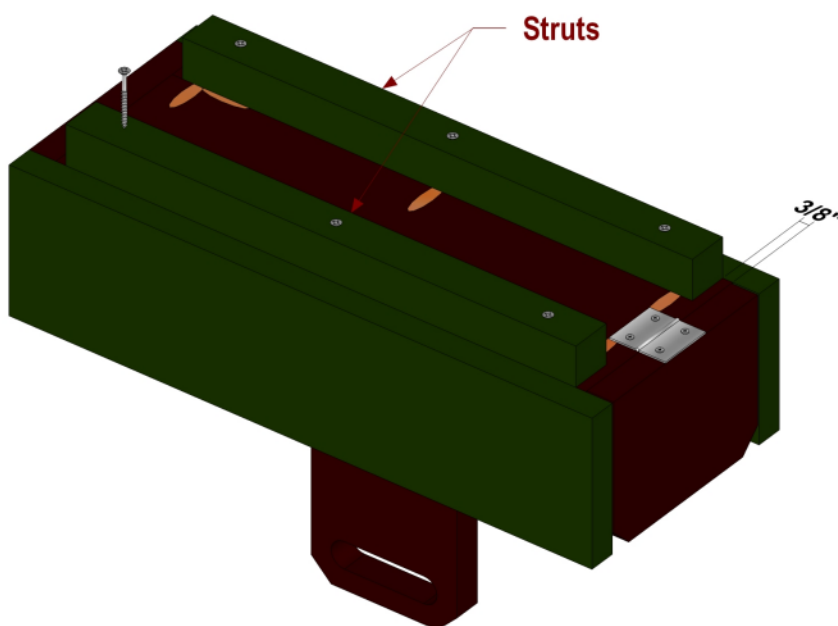
NOTE
Position the Rotating End centered between the Sides. Fold up a sheet of paper a couple of times and insert it between the end of the Rotating End and a Side to create a spacer. Clamp in place and attach a 2" utility hinge centered on the Bottom and Rotating End.

End
(7 1/8" wide)

2" utility hinge

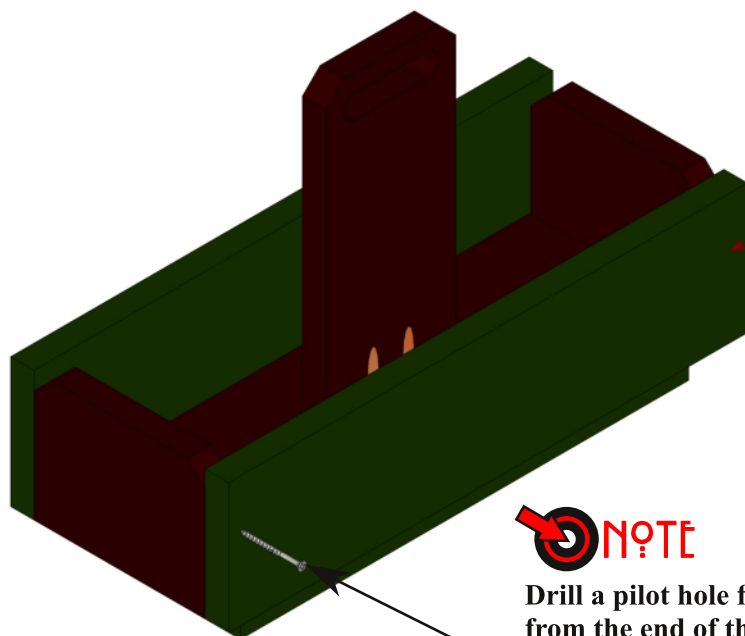


NOTE
Position the parts as shown and attach using 2" deck screws.



Struts

3/8"



drill 1/4" hole 2"
from top edge
and 1/2" from end



Drill a pilot hole for a 2 1/2" screw 2" from the top edge and 1/2" from the end of the Sides at the Fixed End. Drive the screw through the Sides and into the End. Drill a 1/4" pilot hole in the same spot on the other end of the Sides. Drill this hole 2 1/2" deep.



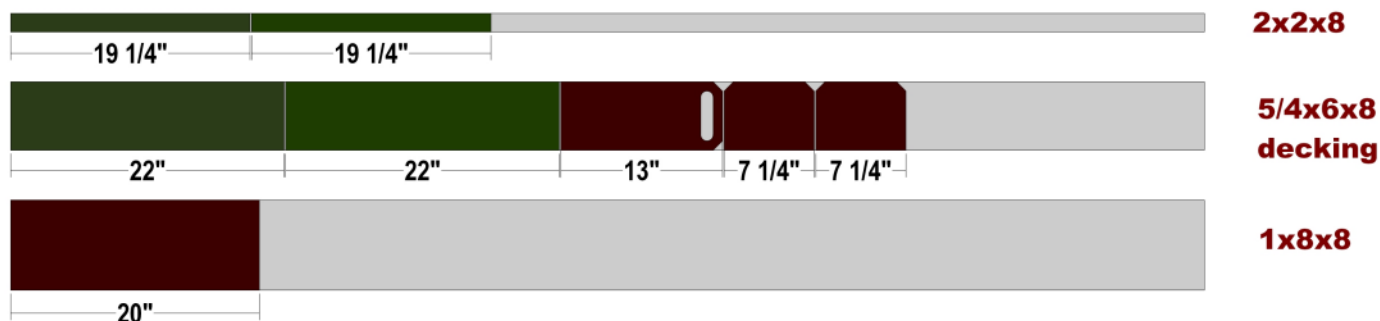
Drill a pilot hole for a 3/4" lath screw 3 1/2" from the end of the Sides at the Rotating End part. Make sure this hole is in line with the 1/4" pilot hole. Cut a 4" piece of small gauge chain, and insert the lath screw through one end link. Insert a 2 1/2" deck screw through the other end link in the chain. Drive the lath screw until flush against the Side. Repeat on the other Side part.

Insert the 2 1/2" deck screw into the 1/4" pilot hole.

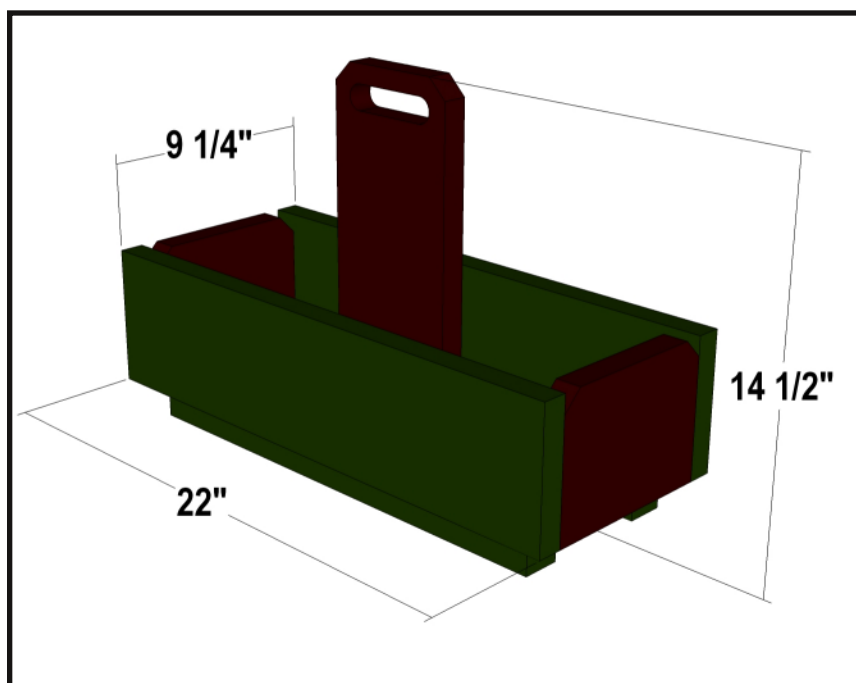




CUTTING DIAGRAM



These boards are all treated lumber. Use scrap from leftover projects whenever possible.



Estimated lumber cost:
\$0 if using scrap

starting at \$14 for one

PARTS

bottom (1) - $\frac{3}{4}$ x $7\frac{1}{4}$ x 20
sides (2) - $1 \times 5\frac{1}{2}$ x 22
handle (1) - $1 \times 5\frac{1}{2}$ x 13
rotating end (1) - $1 \times 5\frac{1}{2}$ x $7\frac{1}{8}$
fixed end (1) - $1 \times 5\frac{1}{2}$ x $7\frac{1}{4}$
struts (2) - $1\frac{1}{2}$ x $1\frac{1}{2}$ x $19\frac{1}{4}$

All parts are listed in actual dimensions. Refer to the Cutting Diagram on the last page of this plan as a guide for determining the specific board from which to cut the parts.

TAKE CARE!

Follow **ALL SAFETY GUIDELINES AND RECOMMENDATIONS** provided by the manufacturers of your tools, and any chemicals such as glue and finishes you use in this project. **YOU** are responsible for your safety, so use common sense when working in the shop!