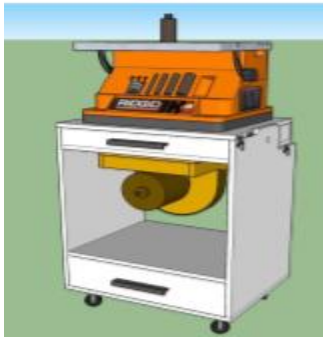


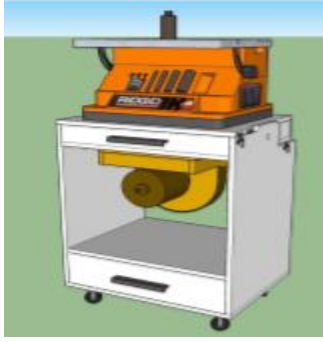


Fisher's Flip Cart

www.FishersShopOnline.com

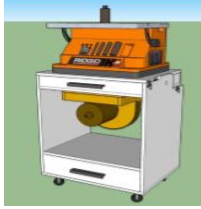
www.YouTube.com/FishersShop

These plans are to build the Fisher's Flip Cart as depicted in the Fisher's Shop video on YouTube. This cart features a Surface / Flip Top that can rotate 180-degrees and locked into position, a removable faceplate that offers access to the integrated power strip, a drawer for storing tool accessories, and lockable casters for ease of portability as well as stabilization. It's a great space-saving solution for those of us with small workshops but still offers easy and convenient access to the tools mounted on the surfaces.



Fisher's Flip Cart

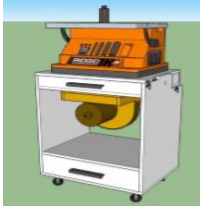
Constructed By
Buzz Adams
Lawrence E. Wampler
Rob Austin



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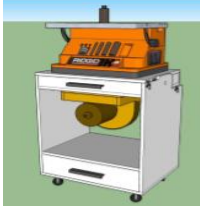
End



Basic Tools:

Basic Tools

Measuring tape
Combination Square / Speed Square
Pencil / Marking gauge or knife
Hammer
Center punch / Awl or Scribe
Short Clamps
Drill, Driver, & Countersink bits
Forstner bits (7/8" & 1 3/8")
Double-sided tape
Painter's tape
Wood file / Rasp
Sandpaper
Clamp(s)



Power Tools & (optional Tools:)

Power Tools

Miter Saw / Circular saw

Table Saw Band saw / Coping saw & vice

Power drill Impact driver / Power driver

Jigsaw

Angle Grinder / Hacksaw

Trim Router with Roundover & Flush-Trim bit

18ga Nail Gun / Hammer & brads

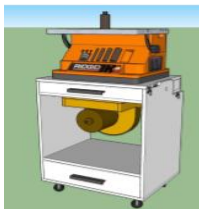
Jigs

(optional):

Kreg Pocket Hole Jig

Kreg 3" Face Clamp Kreg 90-degree Corner Clamp(s)

Kreg Right-Angle Clamp(s)



Materials Needed

Wood Glue

CA Glue / epoxy

Quantity

1	1 of $\frac{3}{4}$ " 4'x8' Plywood	1 of $\frac{1}{2}$ " 4'x2' Plywood
1	1 of 8' 2x4s .^p 12ct Kreg 1" Zinc-coated Coarse-Thread Pocket Hole screws (optional)	
14	14ct Kreg 1 $\frac{1}{4}$ " Zinc-coated Coarse-Thread Pocket Hole screws (optional)	
50	50ct 1 $\frac{1}{2}$ " coarse-thread drywall/wood screws	
8	8ct 3" decking screws	
20	20 1" 18ga brad nails	
1	1 of 15amp plug	
1	1 of 15amp power strip	
1	1 of 1" copper pipe-hanger clip	
2	2 of $\frac{1}{2}$ " x 18" black iron pipe	
1	1 of $\frac{1}{2}$ " black iron pipe Tee connector	
2	2 of $\frac{3}{4}$ " black iron flanges	
4	4 of locking 2" casters	
8	8 of small strong magnets (optional)	
2	2 of Full Extension 18" Drawer Slides w/ screws	
2	2 of locking latches	
	Tool-mounting hardware (bolts, nuts, washers & lock-washers)	



Our Cost

Flip Table Cost

		Tax	Number Per Unit		With TAX		
Where	What	Cost					
Suwanee Lumber	18" Slides (pair)	\$6.75	1	\$6.75	\$7.16		
Home Depot	Flanges (1/2")	\$5.98	2	\$11.96	\$12.68		
	Pipe (1/2" 10'	\$16.47		\$0.00	\$0.00		
Unit Cost	Pipe Section per foot	\$1.65	2.5	\$4.12	\$4.36		
	Tees (1/2")	\$2.40	1	\$2.40	\$2.54		
Home Depot	U-Brackets	\$0.29	1	\$0.29	\$0.31		
Lowes	Electrical Box	\$2.29	1	\$2.29	\$2.43		
	Cover	\$0.64	1	\$0.64	\$0.68		
	Outlet	\$1.99	1	\$1.99	\$2.11		
	Wire per foot	\$0.92	10	\$9.20	\$9.75		
Walmart	Plug AC	\$3.27	1	\$3.27	\$3.47		
Peachtree	Wheels Set	\$14.00	1	\$14.00	\$14.84	\$14.00	
For Wheels	Nuts 5/8" x 1"		16				
For Wheels	5/8" washer		16				
For Wheels	5/8"nut (Self Locking)		16				
Flange	Wood Screw BLK #10x1"		8				
Ace	Screws & Hardward	\$0.31	16	\$5.00	\$5.30		
						\$60.32	
Plywood sheet	4'x8' ypur choice		1				
Stud	2"x4" 8'		1	3.95	\$4.19		
Assemble screws							
Top hold down	#8 x 1 1/5"		6				
Case work	#6 x 1 1/4" Kreg screw		12				
				\$65.86	\$69.81		

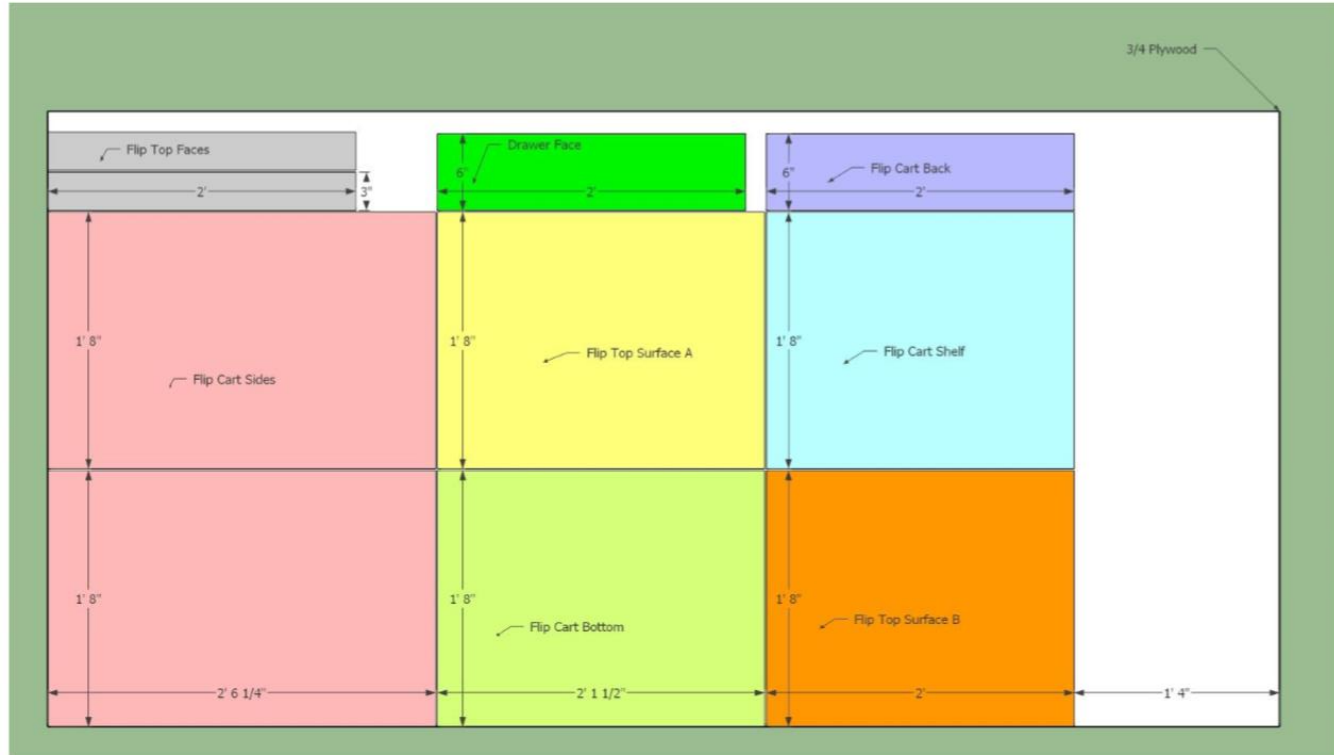


Breaking Down the Sheets





Breaking Down the Sheets





Building the Drawer





Building the Drawer

To correct for
bad fit cleaned
it up on the
router.





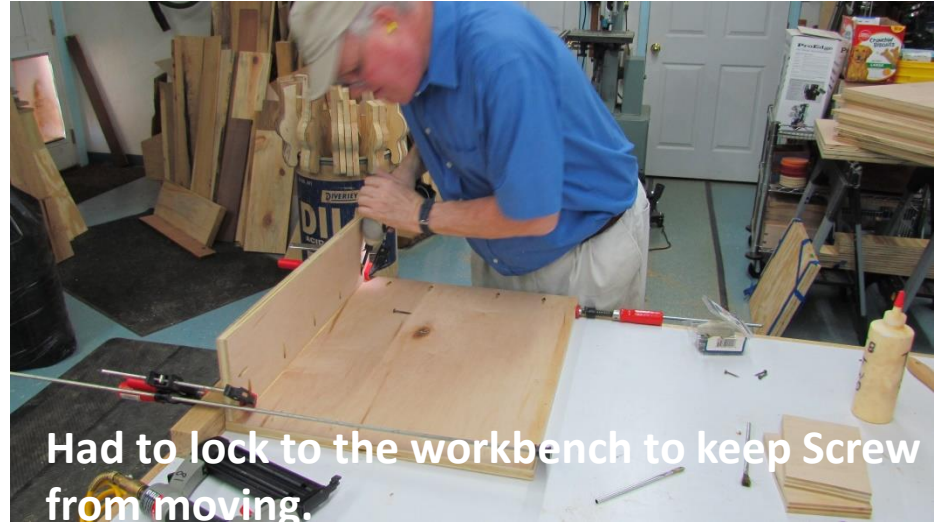
Cut the Sides



Buzz used a pattern do all Surface / Flip Top & side panels so they would be the same.

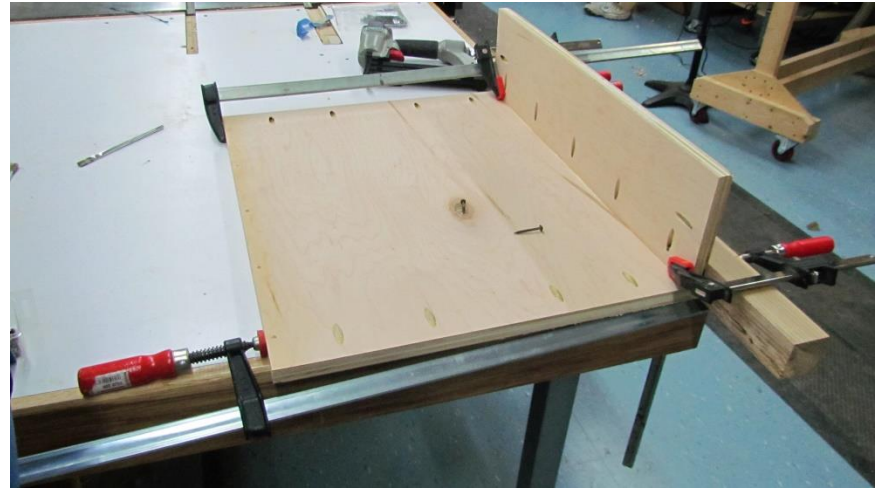


Assemble the Cart Body Shelf





Assemble the Cart Body





Assemble the Cart Body

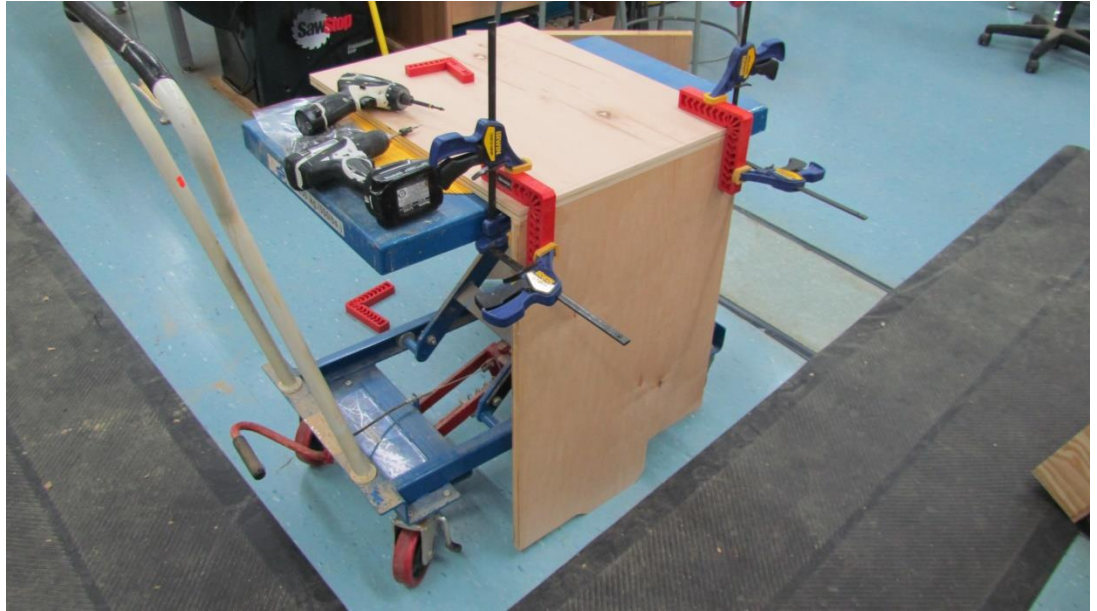
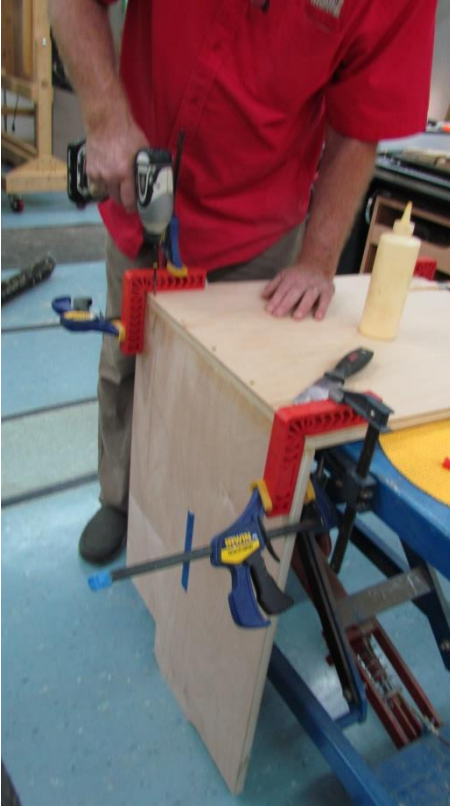


Careful these Clamps will slip.





Assemble the Cart Body



Lift Cart Made this Easy



Making it mobile





Drawer Slides

Spacer for Drawer Front.





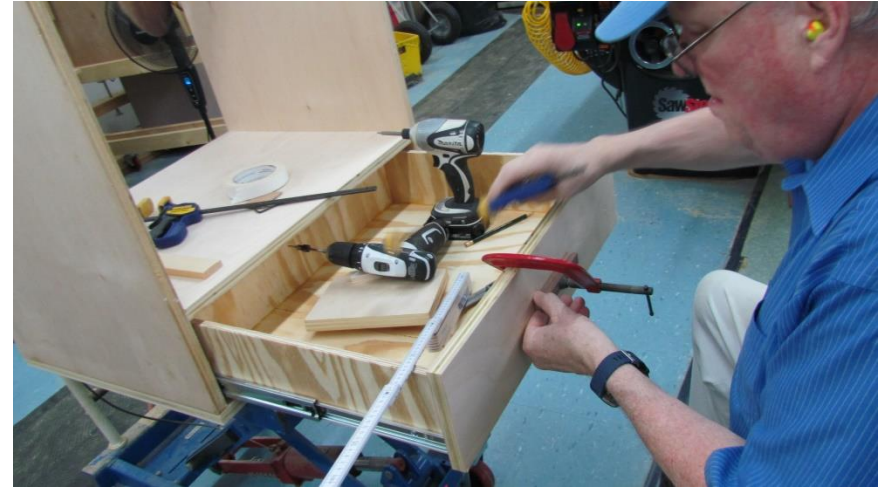
Drawer Slides & Shelf Install





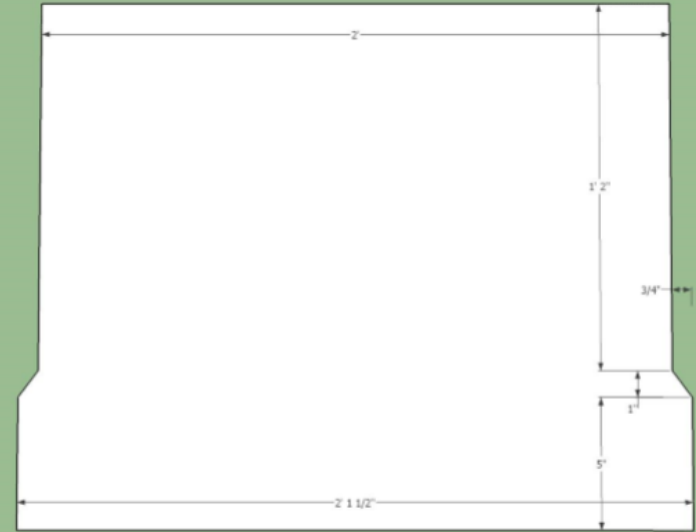
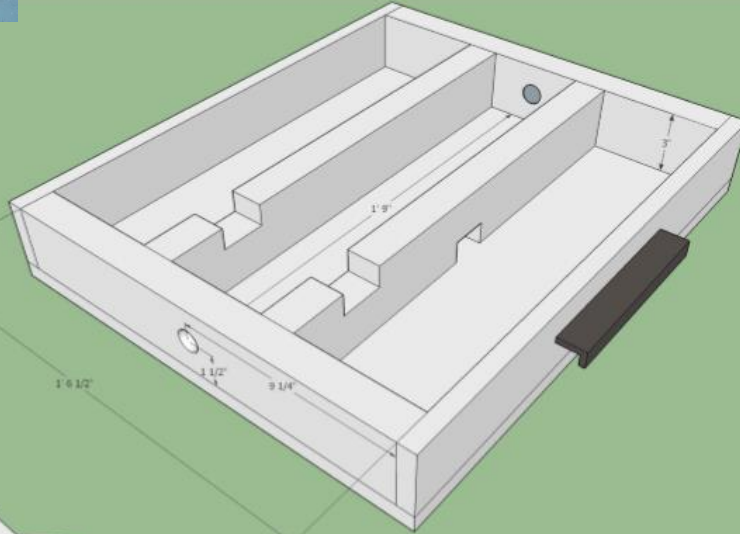
Mounting the Drawer Face

Quality Control





Building the Surface / Flip Top



Building the Surface / Flip Top



Sizing 2"x 4" For Flip Top



Building the Surface / Flip Top



Alignment is critical between sides and rotating work surface. Showing here making an adjustment with grinder & flange.



Pipe & Wire



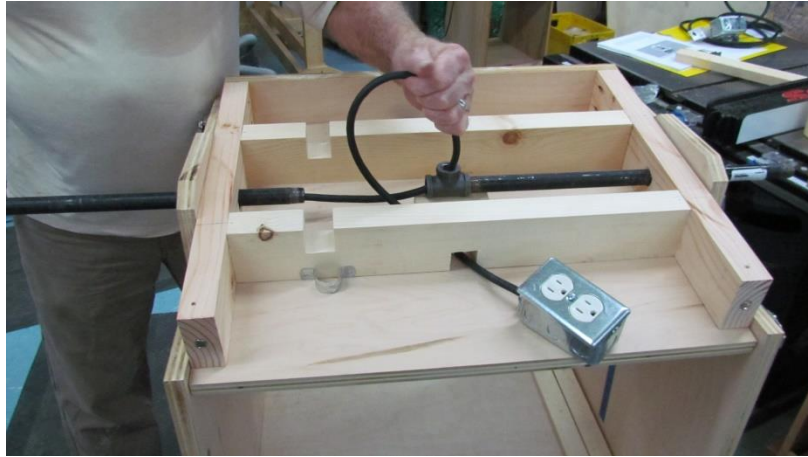


Pipe & Wire





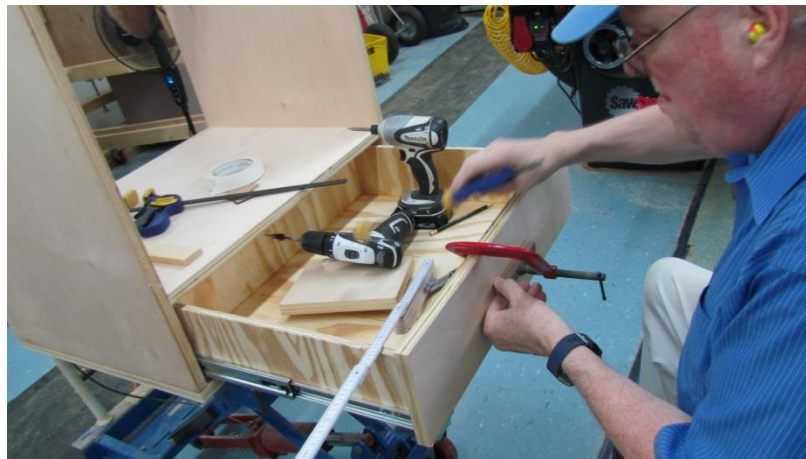
Wiring the Plug



Duplex outlet was wired before this step. We just needed to add the male plug. A ground wire was run from the outlet box to the pipe in case the insulation was ever broken.



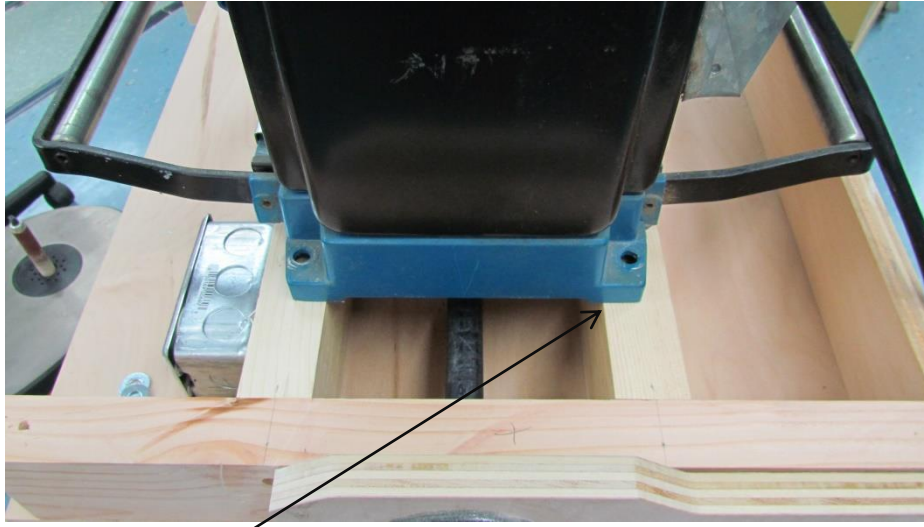
Drawer Pulls



This was actually done when the drawer face was installed



Mounting the Tools:



During lay out Buzz moved the center supports to match his tool.
When putting mounting screws in, we had to move the outlet mounting screws.



Additions

Power Cord Holder





Questions?



Thanks:

Fisher's Flip Cart

www.FishersShopOnline.com

www.YouTube.com/FishersShop

Jim Kunzweiler for sizing pipe & providing bushings

Rob Austin for Shop Supervisor & Face Book Monitor



The End