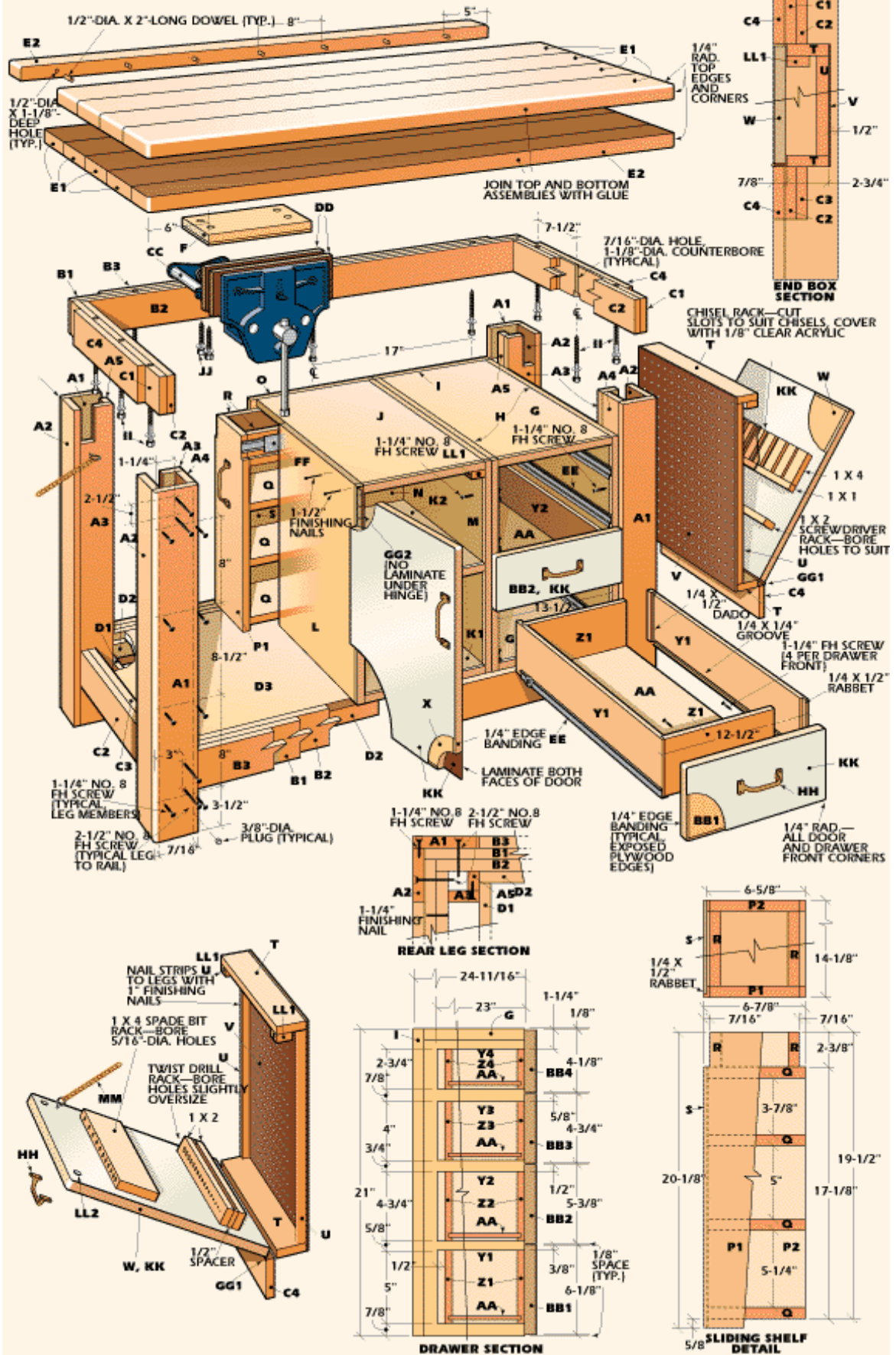


WORKBENCH

28" WIDE X 35" HIGH X 58" LONG



Materials List

	Key	No.	Size and description	(use)
	A1	4	3/4 x 4 1/4 x 32" pine	(leg)
	A2	4	3/4 x 3 1/2 x 32" pine	(leg)
	A3	4	3/4 x 3 1/2 x 32" pine	(leg)
	A4	2	3/4 x 2 3/4 x 32" pine	(leg)
	A5	2	3/4 x 2 3/4 x 32" pine	(leg)
	B1	3	3/4 x 3 1/2 x 54" pine	(long rail)
rail)				
	B2	3	3/4 x 3 1/2 x 52 1/2"	(long rail)
	B3	3	3/4 x 3 1/2 x 47" pine	(long trim)
trim)				
	C1	2	3/4 x 3 1/2 x 23 1/4" pine	(short rail)
	C2	4	3/4 x 3 1/2 x 22 1/2" pine	(short rail)
	C3	2	3/4 x 3 1/2 x 21" pine	(short rail)
rail)				
	C4	4	3/4 x 3 1/2 x 17" pine	(short trim)
trim)				
	D1	1	3/4 x 1 1/2 x 19 1/2" pine	(shelf cleat)
	D2	2	3/4 x 1 1/2 x 22" pine	(shelf cleat)
cleat)				
	D3	1	3/4 x 21 x 21" plywood	(shelf)
	E1	8	1 1/2 x 6 x 58" fir	(top)
	E2	2	1 1/2 x 4 x 58" fir	(top)
	F	1	1 1/8 x 6 x 10 1/2" plywood	(spacer)
	G	2	3/4 x 13 1/2 x 23 15/16" plywood	(case top/bottom)*
top/bottom)*				
	H	2	3/4 x 21 x 23 15/16" plywood	(case side)*
	I	1	3/4 x 15 x 21" plywood	(case back)*
back)*				
	J	1	3/4 x 13 1/2 x 23 7/8" plywood	(case top)*
top)*				
	K1	1	3/4 x 13 1/2 x 16 7/8" plywood	(case bottom)*
bottom)*				
	K2	1	3/4 x 13 1/2 x 16 1/8" plywood	(case shelf)*
shelf)*				
	L	1	3/4 x 16 7/8 x 21" plywood	(case side)*
	M	1	3/4 x 21 x 23 7/8" plywood	(case side)*
	N	1	3/4 x 13 1/2 x 19 1/2" plywood	(inner back)
back)				
	O	1	3/4 x 15 x 21" plywood	(case back)*
back)*				
	P1	1	3/4 x 6 7/8 x 20 1/8" plywood	(shelf front)*
	P2	1	3/4 x 6 5/8 x 19 1/2" plywood	(shelf back)
	Q	4	3/4 x 6 5/8 x 12 5/8" pine	(shelf)
	R	2	3/4 x 2 3/8 x 12 5/8" pine	(shelf hanger)
	S	1	1/4 x 13 7/8 x 17 1/8" plywood	(shelf back)
back)				
	T	4	3/4 x 2 3/4 x 17" pine	(end-case cleat)
case cleat)				
	U	4	1/2 x 3/4 x 19 1/2" pine	(end-case strip)
strip)				
	V	2	1/8 x 17 x 21" perforated hardboard	(end-case back)
back)				
	W	2	3/4 x 16 3/4 x 20 5/8" plywood	(end door)*
door)*				
	X	1	3/4 x 14 7/8 x 20 3/4" plywood	(case door)*
door)*				
	Y1	2	1/2 x 5 x 23" pine	(drawer side)

side)	Y2	2	1/2 x 4 3/4 x 23" pine	(drawer
	Y3	2	1/2 x 4 x 23" pine	(drawer side)
side)	Y4	2	1/2 x 2 3/4 x 23" pine	(drawer
	Z1	2	1/2 x 5 x 12" pine	(drawer end)
end)	Z2	2	1/2 x 4 3/4 x 12" pine	(drawer
	Z3	2	1/2 x 4 x 12" pine	(drawer end)
end)	Z4	2	1/2 x 2 3/4 x 12" pine	(drawer
bottom)	AA	4	1/4 x 12 x 22" plywood	(drawer
	BB1	1	3/4 x 6 1/8 x 14 7/8" plywood	(drawer front)*
	BB2	1	3/4 x 5 3/8 x 14 7/8" plywood	(drawer front)*
	BB3	1	3/4 x 4 3/4 x 14 7/8" plywood	(drawer front)*
	BB4	1	3/4 x 4 1/8 x 14 7/8" plywood	(drawer front)*
	CC	1	wise**	
cheeks)	DD	2	3/4 x 4 x 12" hardwood	(wise
	EE	4	pair 22" drawer slides	
	FF	1	pair 14" full-extension drawer slides	
	GG1	2	16 1/2"-long x 1 1/2" strip hinge	
	GG2	1	20 1/2"-long x 1 1/2" strip hinge	
	HH	8	4" pull, National Mfg. Co., No. V1970	
	II	9	3/8"-dia. x 6" lagscrew, washer	
	JJ	4	3/8"-dia. x 3" lagscrew, washer	
	KK	As reqd.	laminare	
	LL1	5	3/4 x 1 1/2 x 1 1/2" pine	(catch block)
	LL2	5	magnetic catches	
	MM	2	18" brass chain, four 1 3/8" screweyes	

Made from 3/8" and 3/4" plywood.

* Dimension includes 1/4" edge band on visible edges.

** Record 10 1/2", No. 53 wise available from Garrett Wade, 161 Avenue

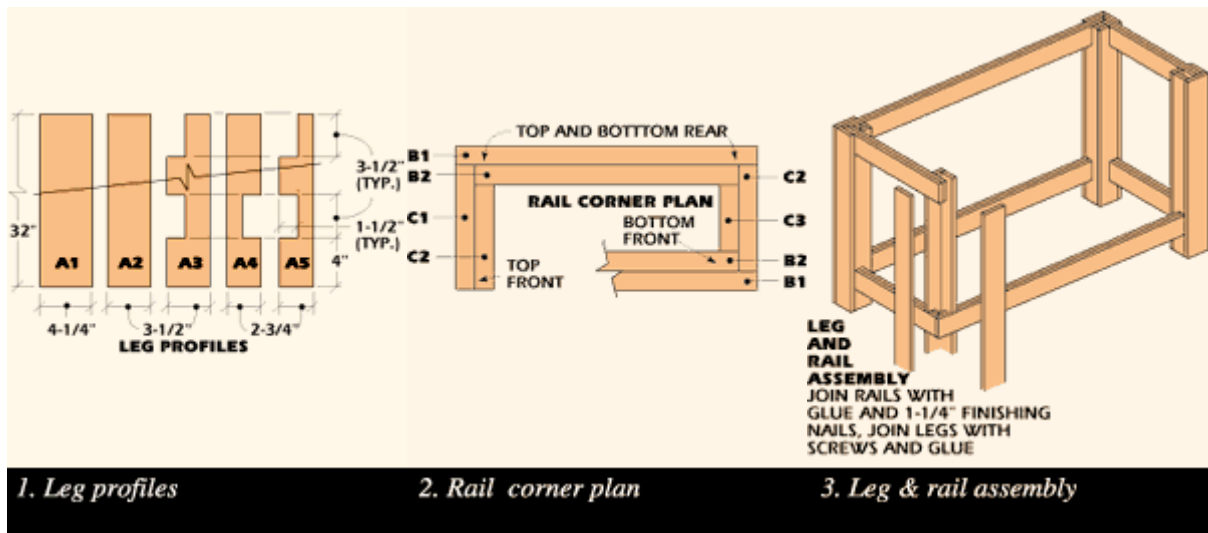
of the Americas, New York, NY 10013 (part No. 10G04.03).

Misc: 1/2" dowel, glue, 1 1/4" No. 8 fh woodscrews,

2 1/2" No. 8 fh woodscrews, 1" finishing nails, 1 1/4" finishing nails.

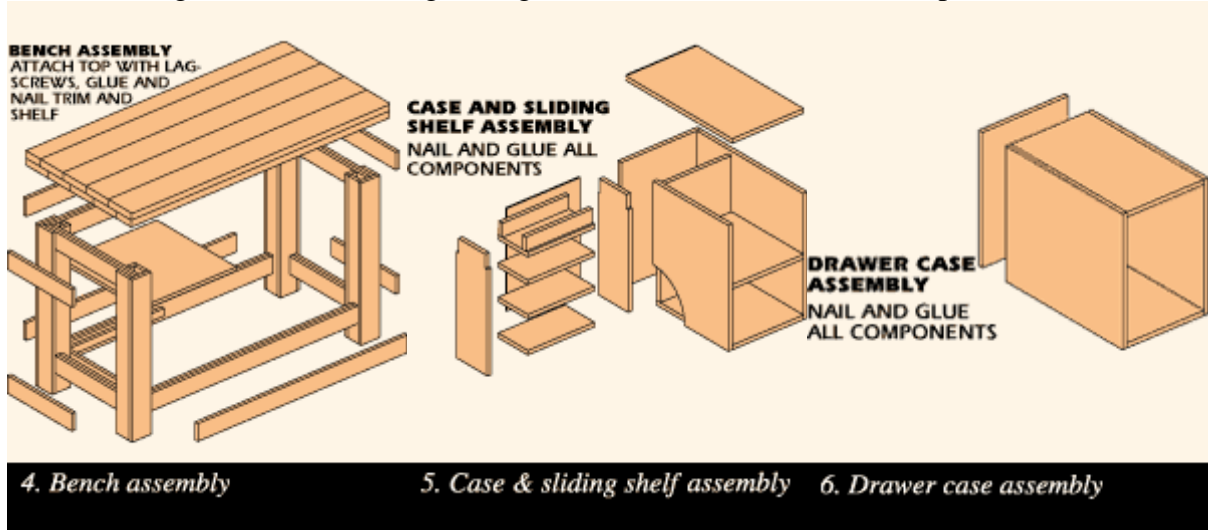
Construction

With the exception of the rabbets, dadoes, and grooves in each drawer--and the rabbet in the front panel of the sliding shelf unit--the entire piece is constructed with simple lap and butt joints.



Begin by making the leg pieces out of 1x4 and 1x6 pine (fig. 1). Mark the pieces so you don't get them mixed up, and cut the rail notches with a sabre saw. Assemble the legs with screws and glue. Counterbore the screw pilot holes, cover the screwheads with plugs, and trim them flush. Round the outer corner of each leg with a 1/4"-radius rounding-over bit.

Cut the 1x4 rail pieces and join the inner and outer rail halves with glue and finishing nails (fig. 2). Bore the lagscrew holes in the upper rails before assembling the bench. Then join the rails to the legs with screws and glue (fig. 3). Cut and install the rail trimpieces.



Make the top from nominal two-inch lumber. Use dowels and glue to assemble each top and bottom half, then glue the halves together and sand the top smooth. Round the upper edges and corners, and bore the holes for the vise. Attach the top to the base with the lagscrews and then nail the shelf cleats to the lower rails and fit the plywood shelf (fig. 4). Glue 1/4" edge banding to the visible edges of the plywood parts and cut the panels to exact size. Note that the center case is 1/16" shallower than the drawer case to allow for the thickness of the plastic laminate on the back of the door. All three doors are laminated on both sides to prevent warping, while the drawer fronts are laminated only on their outer faces. Assemble the cases with glue and nails (figs. 5 & 6). When building the drawer boxes and sliding shelf unit, check that the side clearance matches that required by the drawer slides you're using.

To build the end cases, first add the end-case cleats to the rail edges, followed by the strips that are nailed to the inside leg faces. Then, fit the perforated hardboard backs.



*Packed with features, our compact bench
is ideal for limited home-workshop spaces.*

To finish, round the corners of the doors and drawer fronts. Install the doors with strip hinges and attach the drawer fronts with screws driven from the inside. After the handles and end-case chains are secured, mount the vise using a spacer that leaves the vise jaws 1/2" inch below the top.