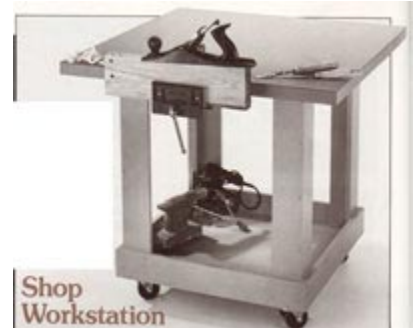


Project 20569EZ: Shop Workstation

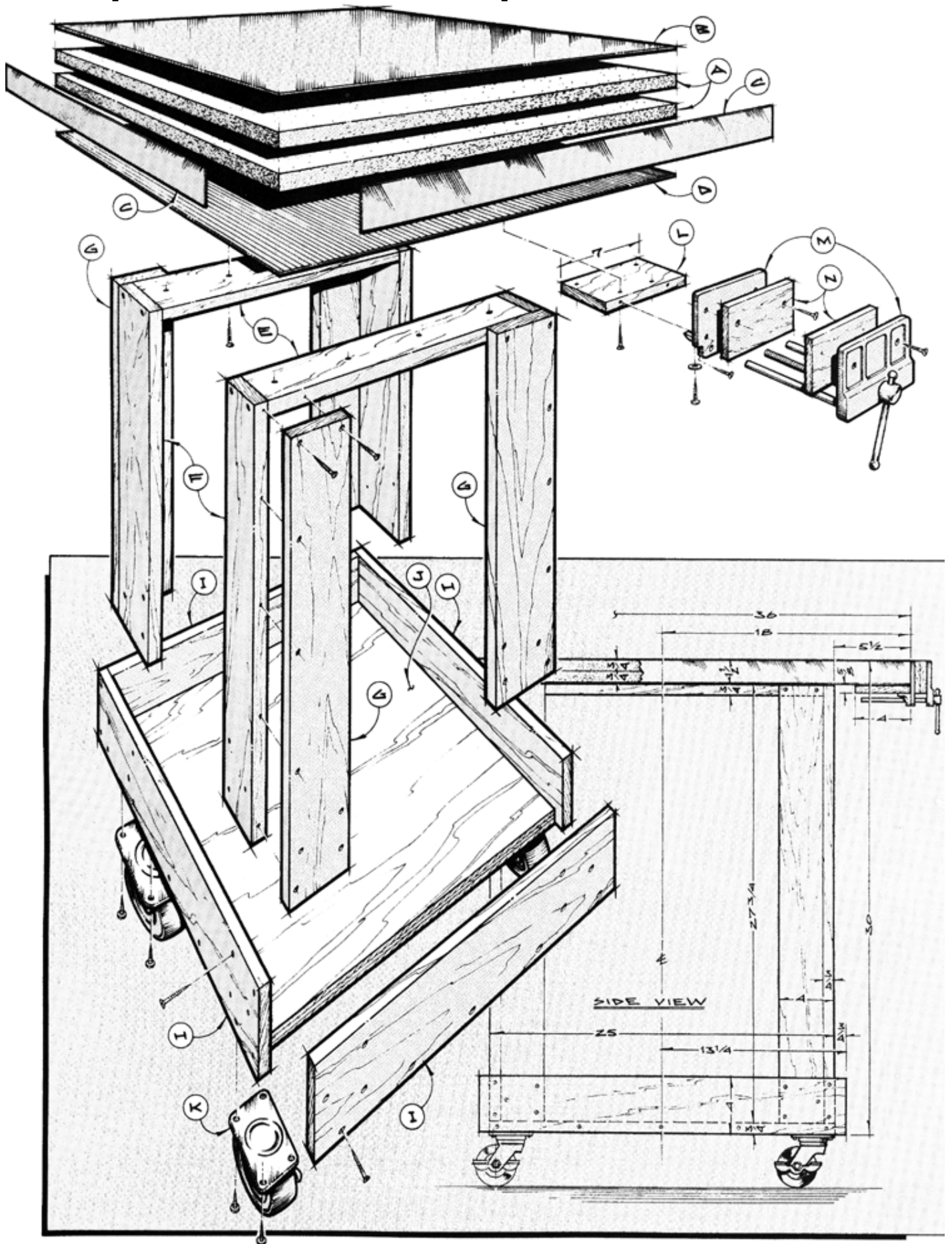


While it's not a substitute for a sturdy workbench, a compact workstation like this will be welcomed when you need some extra bench area in the shop. With four casters it easily rolls out from the wall, so you can work completely around the bench -- a feature we find helpful for many projects. Also, since glue won't stick to the plastic laminate top, it makes an ideal glue-up table. The casters have a brake, allowing the workstation to be locked in place. A light-duty vise is not mandatory, but we find it often comes in handy.

Shop Workstation Materials List

Part	Description	Size	No. Req'd
A	Top	3/4" x 36" x 36"	2
B	Upper Laminate	as needed	1
C	Laminate Edging	as needed	4
D	Lower Laminate	as needed	1
E	Stretcher	3/4" x 3-1/4" x 23-1/2"	2
F	Narrow Leg	3/4" x 3-1/4" x 27-3/4"	4
G	Wide Leg	3/4" x 4" x 27-3/4"	4
H	Long Apron	3/4" x 4" x 26-1/2"	2
I	Short Apron	3/4" x 4" x 25"	2
J	Bottom	3/4" x 25" x 25"	1
K	Casters	3" x 1-1/4"	4
L	Vise Cleat	5/8" x 4" x 7"	1
M	Vise	4-1/2" capacity	1
N	Vise Face	1/2" x 2-1/4" x 6-5/8"	2

Shop Workstation Complete Schematic



Shop Workstation Step-by-Step Instructions

1. Cut two pieces of 3/4" thick particleboard to 36-1/4" square to make the top (A).
2. Apply a thin coat of white or yellow glue to each of the mating surfaces.
3. Use clamps to apply pressure at the edges.
4. Drive and countersink just below the surface several 1-1/4" by #8 flathead woodscrews to apply pressure at the center.
5. Allow the top to dry.
6. Use the table saw to trim it to 36" square.
7. Cut the lower laminate (D) about 1/4" oversized all around.
8. Glue it in place with contact cement.
9. Equip the router with a laminate trimming bit.
10. Use the router to trim the edge of the laminate flush with the top.
11. Repeat steps 7 through 10 to apply the laminate edging (C).
12. Repeat steps 7 through 10 to apply the upper laminate (B).
13. Cut the two stretchers (E) to size from 3/4" stock.
14. Cut the four narrow legs (F) to size from 3/4" stock.
15. Cut the two stretchers (G) to size from 3/4" stock.
16. Use glue and flathead wood screws to assemble the parts as shown in the exploded view.
17. Cut the bottom (J) to 25" square from 3/4" thick plywood stock.
18. Cut the two long aprons (H) and the two short aprons (I) to size.
19. Glue and screw the aprons to the bottom as shown.
20. Use glue and wood screws to join the leg assemblies (parts E, F, and G) to the base assembly (parts H, I, and J).
21. Check for squareness as you assemble the parts.
22. Obtain casters of the dimensions specified. Casters with brakes are particularly useful.
23. Add the vise cleat (L) to keep the top edge of the vise flush with the work surface as shown.
24. Apply two coats of paint to the leg and base assemblies.
25. Drive four wood screws through each stretcher and into the underside of the top to attach the laminated top to the leg assemblies.
26. Add a pair of vise faces (N) to complete the project.

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