

REGENCY HARP BLUEPRINT GENERAL OVERVIEW

The Regency Harp is a complex project to build from scratch. It requires a full shop of power tools, including table saw, band saw, jointer, planer, belt sander, drill press, and router, in addition to standard hand tools. This design is our only harp that allows you to use a solid front panel (soundboard) because the front is flat and the pillar stands out away from the soundboard instead of poking through it to stand on the base inside the soundbox. We suggest reading more about solid soundboards -vs- laminated ones before deciding what to use for the front (look under "Resources" for our "Library" tab to find discussion about harp soundboards). The only laminate we've found successful for the soundboard on this large harp is 3 mm thick "Aircraft Birch" that is made with 6 micro layers of hard birch (.5 mm per layer). It is virtually indestructible and projects great sound because it is so thin. This laminate comes from Finland and is difficult to find locally except small pieces at hobby shops for model airplane builders. If you cannot find a large enough panel locally, we offer it on our web site (search "Aircraft Birch"). Use good quality solid hardwood for the rest of the instrument, such as cherry, maple, walnut, or mahogany (not Lauan). We steer away from oak for the curved neck because it splits too easily wherever the grain is short.

BILL OF MATERIALS (WOOD)

QTY	PART	TYPE OF WOOD	DIMENSIONS	NOTES
1	Soundboard	Aircraft Birch Ply	1/8" X 15-3/4" X 49-3/8"	6-ply, 3mm total thickness
1	Back	Any 1/4" Plywood	1/4" X 15-3/4" X 48"	To match your hardwoods
2	Sides	Good Hardwood	3/4" X 7-1/8" X 50"	See overview above
1	Neck	Good Hardwood	1-5/8" X 7-1/8" X 29-1/2"	Laminate as shown on plan
1	Pillar	Good Hardwood	1-5/8" X 4-1/2" X 51"	
1	Tenon	Good Hardwood	1/2" X 2-3/8" X 4-1/2"	
1	Top Block	Good Hardwood	1-1/2" X 3" X 3-7/8"	
1	Set of 3 Inner Braces	Good Hardwood	1/2" X 5-1/2" X 30-1/2"	Cut all 3 from one board, or use scraps
1	Base	Good Hardwood	3/4" X 7-1/4" X 15-1/4"	
1	Cap (optional)	Good Hardwood	1/2" X 3-3/4" X 5-1/4"	Can be combined with Arch
1	Arch piece	Good Hardwood	3/4" X 3" X 4"	
1	Outer Center Strip	Good Hardwood	3/16" X 1/2" X 48-5/8"	
1	Inner Reinforcement Bar	Good Hardwood	3/4" X 3/4" X 34"	
1	Bottom Deck	Good Hardwood	1-5/8" X 16-1/8" X 20-1/8"	
4	Round Feet	Good Hardwood	1-5/8 X 2-1/2" dia	
1	Short Trim piece	Good Hardwood	3/16" X 3/4" X 17"	For bottom of back
4	Long Trim pieces	Good Hardwood	3/16" X 3/4" X 50"	
1	Bottom Trim	Good Hardwood	1/2" X 3/4" X 16-1/4"	For bottom of front