Subject: Wardsweb DIY horns
Posted by wardsweb on Tue, 01 Dec 2009 04:55:36 GMT
View Forum Message <> Reply to Message

I finally complete my DIY horns after almost 4 years, Granted there was a 3 year break between building and veneering.

JBL 2235H woofer, Altec 511B horn wiht an 802-8G driver and a JBL 077 slot tweeter.

Veneer is sapele pommele in sheets large enough to do the entire sides in one sheet. The feet I machined from 3" billet aluminum.

Subject: Re: Wardsweb DIY horns
Posted by Wayne Parham on Tue, 01 Dec 2009 16:13:03 GMT
View Forum Message <> Reply to Message

Those look just stunning!

What did you use for a finish? I'm doing some speaker in bubinga and wanting a finish like a guitar. I've done teak oil, it's nice, this time maybe french polish. What finish did you use - it looks great!

Subject: Re: Wardsweb DIY horns
Posted by wardsweb on Tue, 01 Dec 2009 17:29:26 GMT
View Forum Message <> Reply to Message

Wayne Parham wrote on Tue, 01 December 2009 10:13
Those look just stunning!

What did you use for a finish? I'm doing some speaker in bubinga and wanting a finish like a guitar. I've done teak oil, it's nice, this time maybe french polish. What finish did you use - it looks great!

I did 8 coats of lacquer. Sanded to glass smooth and then sprayed two more coats. I'll wait a month for it to fully cure and then buff them out.

You can get the same look but easier using urethane.

Subject: Re: Wardsweb DIY horns
Posted by Wayne Parham on Tue, 01 Dec 2009 18:41:23 GMT
View Forum Message <> Reply to Message

Sounds good. Bill Epstein suggested that too, using a nitrocellulose lacquer. I guess the trick is to use several coats.

Subject: Re: Wardsweb DIY horns
Posted by wardsweb on Tue, 01 Dec 2009 21:32:56 GMT
View Forum Message <> Reply to Message

Depending on your wood or veneer you may want to use a sanding sealer first. It will keep you from having to use so many coats to just fill the grain of the wood. A high gloss (piano) requires a glass like surface without voids or waves. Once it is sanded to 1000 grit you then polish it with something like 3M Perfect It. Its like buffing out an automotive finish.

Subject: Re: Wardsweb DIY horns
Posted by Wayne Parham on Wed, 02 Dec 2009 01:07:15 GMT
View Forum Message <> Reply to Message

Thanks for the tips. I'm an electronics guys, and can handle the crossover and acoustics stuff but the woodworking part is something I have little experience with. I look to guys like you and Epstein and Martinelli for advice on the make pretty stuff. And that's real important to me, after all, these are furniture as well as they are sound equipment.