

## Couple of change to the MIDGE

The intent of this modification was to address the concern that there are hot ashes to deal with when performing multiple burns. So far this configuration will burn at least 4-5 loads without requiring an ash dump. That's over an hour of cooking time! All modifications are simply experimental, but the results so far are promising that these are performance improvements. I have burned larger diameter sticks and there is less tar production.

The interruption in cooking is minimal if multiple fuel loads are immediately available. At burn out, shake the unit a little and the ash and coal will drop into the ash holder. Drop in fresh fuel and relight the top. The coals should be far enough away from the fresh fuel not to ignite it from the bottom. Secondly, the hot coals will provide additional preheated air and aid the buoyancy effects for the secondary air.

I'd like to see some of the group give it a try to see results from various points of view. As always, take care around fire, and always burn on a non-flammable surface. I accept no liability for burning down anything with this stove.

Keep on stoving!

CHRIS



Looking from the bottom (top is unchanged), both bottoms have been cut out and  $\frac{1}{4}$  inch hardware cloth has been shaped and inserted in the base of the burner. The church key tabs made from the can opener, on the cowling, have been bent down  $180^\circ$ . These rest on the rim of the ash holder (right), which provides a stable base for the stove.



Ash holder is an additional tuna can, the same size as the burner cap. Lug nut choice was arbitrary. It's what I had lying around the shop.



On top of the lug nuts I place the punctured bottom of the cowling I removed previously.



Apologies for the cocked unit, I was obviously rushing; It does actually seat level. This is what it looks like assembled....



.... and looking down into the stove.