



Chamber Bell Mass Heater aka Masonry Mass Heater

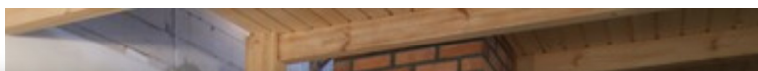
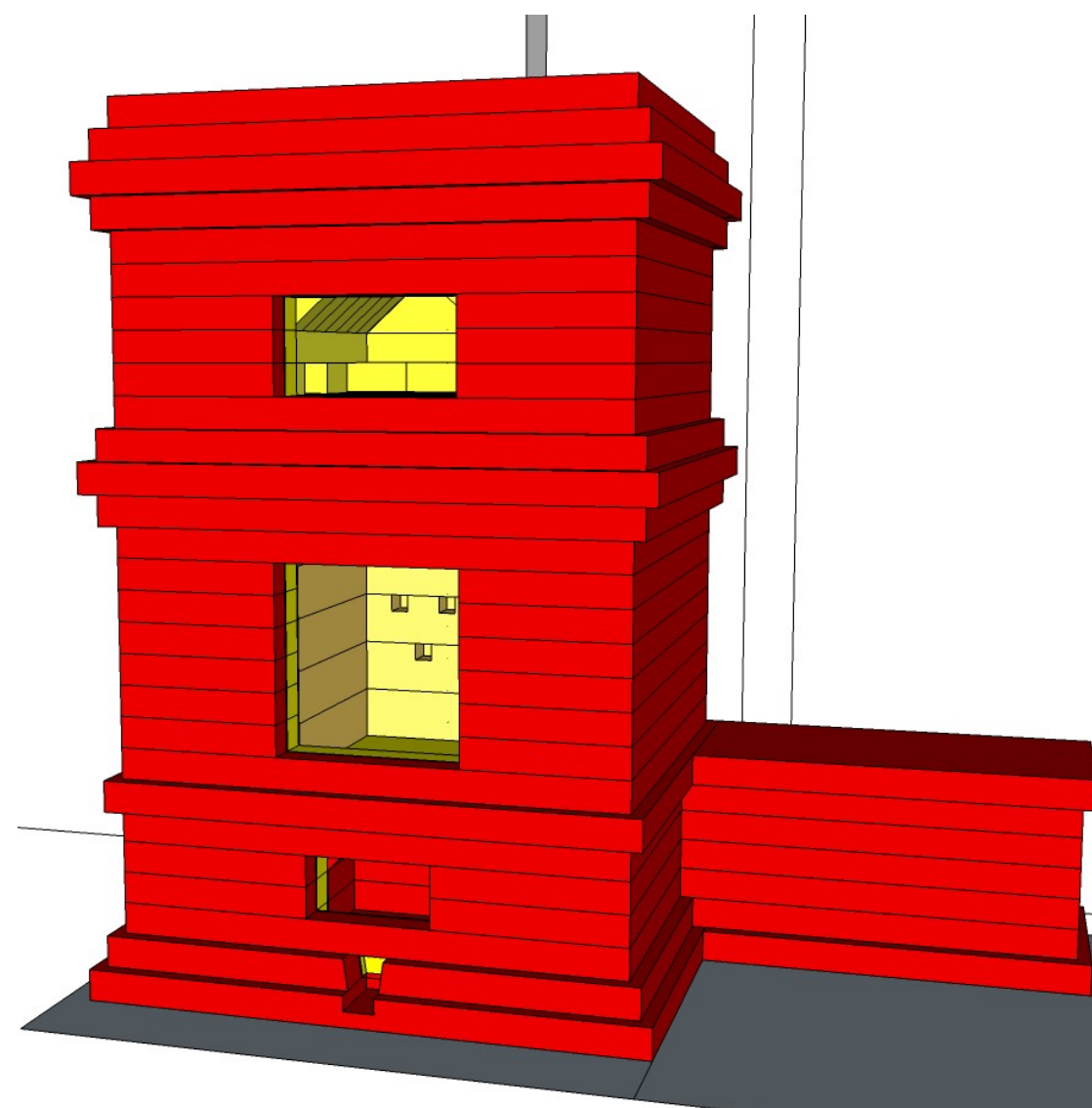
Chamber Bell Mass Heater system for over centuries have been used successfully in far Eastern Europe and Scandinavia. In the last decades it became popular again and has been widespread across the world, modified ever since. This type of heaters are characterized with solid and regular core construction, and comparatively huge thermal mass. After loading the stove with firewood it absorbs energy to its mass, after the burnout it radiates steady heat even up to 24 hours.

This type of construction is great if you want to keep warmth for a longer period of time, thanks to bigger thermal mass, and it works perfectly with additional functionalities like oven or heating bench. Moreover, the heater is extremely efficient with fuel, just one full load of firewood a day is enough to keep the heater charged until the next day. Gas emissions are very low as over 80% of them are burnt in firebox and other compartments of core.

The core in Chamber Bell Mass Heater consists of spacious fire box with smooth corbelled firebricks at the ceiling, and a narrow port through which gases travel to another top chamber. In the second top chamber mixed gases undergo second ignition. This chamber usually plays a role of so called black oven (perfect for baking), although the core may even function without the second chamber ejecting gases straight from firebox to the main chamber bell, and then down to flue channel.

Chamber Bell Mass Heater is double walled around the core what maximizes its thermal capacity. The first interior wall encloses the chamber bell around the core, the whole unit is built using firebricks. The facing (exterior wall) may be finished using various masonry materials together with cob and clay plasterwork what perfectly proofs any micro-openings in mortar.

Over the years of building and designing of Chamber Bell Mass Heater we have been improving and modifying the construction of the core to make it more efficient and solid. So far we have received extremely positive feedback from hosts that are amazed by the power of heat radiation and its length in time.



We design it, you build it - we closely cooperate with hosts during designing and planning of Chamber Bell



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