Winged Wheel 3D

Via 3DPTrain

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WW3D-L002 – 1850s-1880s Rogers Steam & Sand Domes

These parts have been designed to fit the Bachmann New-Tooling 4-4-0 American in HO scale.

One set of Rogers Locomotive Works style steam and sand domes for mid-late 19th Century locomotives, based on references of Western & Atlantic Railroad No. 3 *General*.

Two sand dome variants are offered: Smooth (L002A) and Riveted (L002B). *General*'s is riveted, but the smooth variant may be useful to those wishing to paint the dome body a brass color.

Some other builders such as Hinkley of Boston, MA and Brooks of Dunkirk, NY also used a ribbed-top sand dome design, although with subtle differences.

Mounting

Prior to mounting, it may be ideal to lightly sand the bottoms of the domes to ensure they sit flush. The provided octagonal dome bases will also likely need some light filing/sanding to true up their profile with the boiler you intend to mount them on.*

While the steam dome should be a drop-in replacement for the stock Bachmann 4-4-0 steam dome, the sand dome is significantly smaller than the Bachmann sand dome and will not fit over the plug which protrudes from the base on the boiler shell. This plug will need to be removed and the base sanded smooth if you wish to reuse the stock base.

Many Rogers locomotives had their domes set on octagonal bases. These are included with the domes should you wish to 'go the extra mile' and sand off the round bases on the Bachmann boiler shell. Take care not to damage the boiler shell or boiler band details in the process of removing the stock bases!

If using the octagonal sand dome base, new sand lines will need to be made or adapted from the stock Bachmann ones. These are 0.5mm (0.020") brass wire. The outlets on the sides of the base have indents for starting an appropriately sized drill bit. Take care when drilling these out; the diameter of the outlet is only 0.88mm (0.034"). Drill only as deep as required to securely seat the wire. A small drop of cyanoacrylate (super glue) may be necessary to hold them in place.

***It is always recommended to use hand and eye protection while sanding 3D printed parts.**