Subject: Hello all!
Posted by reecejames on Tue, 28 Dec 2010 12:18:30 GMT
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I came across shapeways back in 2008 and have only just now returned. Love the site and can't wait to start creating some models.

First up, an HO 1:87 scale traction engine. Can't wait for this one to turn up in the mail.

I'm quite busy with work so I have no idea how often I'll get the opportunity to create models. I will, however, be taking requests for any model railway parts people require. So if you have an idea and can sketch it, I'll have a go creating it.

File Attachments

1) Traction Engine Render.jpg, downloaded 301 times

Subject: Re: Hello all!
Posted by bitstoatoms on Tue, 28 Dec 2010 12:39:20 GMT
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Welcome!!

Is that design to be articulated???

Subject: Re: Hello all!
Posted by reecejames on Tue, 28 Dec 2010 13:34:10 GMT
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Thanks drscott

The model already is!

Rear wheels spin with the axle and each of the front wheels *should* spin on the hubs. The front

axle is designed to rotate and has a ball head so should have a bit of swing in it as well!

I've kept the clearances in tolerance with the WSF and also the detailed, got a print in each so can't wait to see how it turns out.

Dimensions are;
Height 4.6 cm
Width 2.9 cm
Depth 8.2 cm

This is my first model and first print, so I've been a bit experimental with the design. No idea if it will work as planned and am expecting to do a cleanup after I get it back, but fingers crossed!

Subject: Re: Hello all!
Posted by ana on Tue, 04 Jan 2011 06:32:49 GMT
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Now that is seriously cool! You'll have to tell us how it comes out.

Subject: Re: Hello all!
Posted by reecejames on Tue, 04 Jan 2011 11:51:43 GMT
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I've been rather ambitious with this first model so fingers crossed. Submitted for a third time now. I had a couple of issues I've documented in
this thread over here. Namely me not understanding the thickness rules, a mistake (I pointed out it was an easy fix and then didn't fix it) and a weird Lightwave to Collada geometry problem.

Subject: Re: Hello all!
Posted by XXL66 on Tue, 04 Jan 2011 13:10:35 GMT
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hello,

awesome design. I wonder what software are you using to design these models ?

I'm a AutoCAD user since v10 but for civil engineering. I don't have a mechanical background. I

have been experimenting with Rhino but it is not really working out allright. I'm downloading Alibre Trial now.

succes with the first print.

Subject: Re: Hello all!
Posted by reecejames on Tue, 04 Jan 2011 15:05:33 GMT
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I own a copy of Lightwave 9 so that's what I'm using. It exports straight out to Collada and I just make sure to triple all my polys before I export. Sizing objects is prety simple and I've made an lscript to do a point to point check of distance in um.