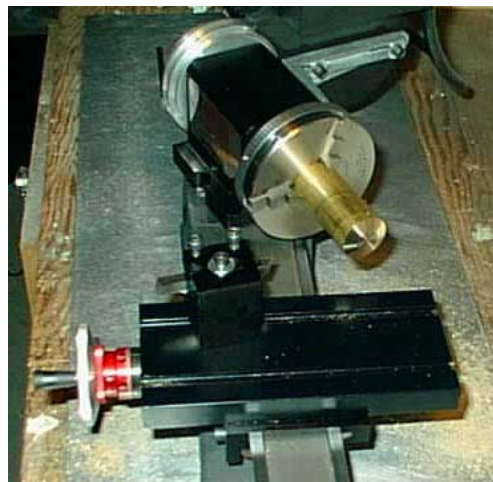


## General Project 3—Child's Toy Train Project/Keith Yundt



*A photo of the finished toy train. The toy-like proportions, shiny brass and nice finish work make this the favorite engine on Keith's son's Brio™ wooden toy railroad.*

Keith Yundt of Victoria, B.C., Canada received a Sherline lathe as a Christmas gift from his wife, and his first project was to make a toy train of his own design for his 3-year old son's layout. Keith is a road building estimator and his only experience in machining was helping his uncle and grandfather work on a big lathe in a family-run shop while growing up. Trains were always a lifelong hobby for both Keith and his father, so he decided his first project on his new lathe would be a simple train. No formal plans were drawn up. He designed and custom fit the parts from an idea of the general plan he had in his head. The boiler, smokestack and whistle are turned from solid brass. The cab was formed out of sheet brass and soldered. The bumpers in the front are spring loaded. It has magnets at the rear which help it pull the "Thomas-the-tank engine" cars around his son's Brio wooden layout. Rubber O-rings are used as tires over the brass wheels to make operation smooth and quiet. Keith expects the sturdy construction will allow the train to stand up to several generations of use. He had so much fun with the project he now plans to start on an HO rail crane for his nephew.



*These two photos show Keith's setup to turn the taper and O-ring grooves on the train's wheels.*