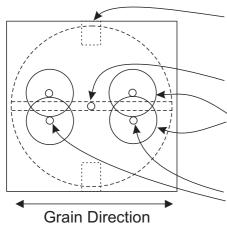


## A TOY CAR

## Designed by Tom Pearson

Start with a block 180 square and 35-40mm thick. This will make the bodies for two cars. It will be easier if this wood is dressed on both sides. Before mounting this wood on the lathe all the holes should be drilled. Mark all hole positions carefully before beginning drilling.



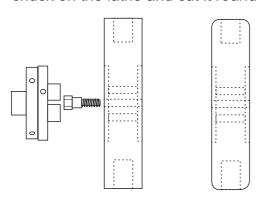
Top and bottom edges of the blank are holes at the centre of each edge. 20mm dia and 30mm deep. These are the driver seats.

Centre of the square a hole right through. 8.5mm or whatever you consider best for your screw chuck.

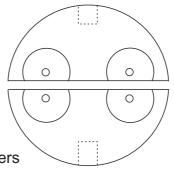
Four shallow holes on both sides of the block. 50 or 52mm diameter holes just 5mm deep. These will be the "mudguards" for the wheels. If the wood is not dressed make these holes a little deeper.

Four 8.5 mm axle holes (or just a bit larger than the dowel you have for the axles) drilled right through.

You can now cut the block to a round on the bandsaw. Or you can mount it by a screw chuck on the lathe and cut it round there.



If the block is not dressed both sides, now it needs to be cut to a good finish on both sides. Round the edges. Sand all surfaces.



Take the wood off the lathe and cut it to two car bodies just above and just below the screw chuck hole.

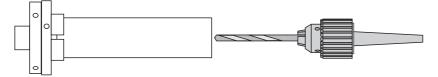
## **Driver**

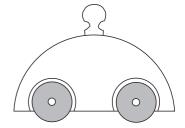
There are now two cars so make two drivers from the 25 x 25 x 120mm blank held between centres. Sand and finish before parting off.



## Wheels

Mount the 50 x 50 120mm block in a chuck. Round it off. Drill an 8mm hole down the centre. Sand the end. Part off 10mm wheels and sand the end between each parting cut.





Assemble the car using 8mm dowel for axles. You may give the driver a face before driving away.