

MAZE MAKING

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Constraints

- Accuracy and precision.
- Weight
- Size of the pieces
- Interchangeability
- Cost
- Available technology

My solution

- NINE identical pieces
- Subtract the precision bit

The joins



Tongue and groove joins across nearly the whole width of the piece ensure minimum steps between pieces.



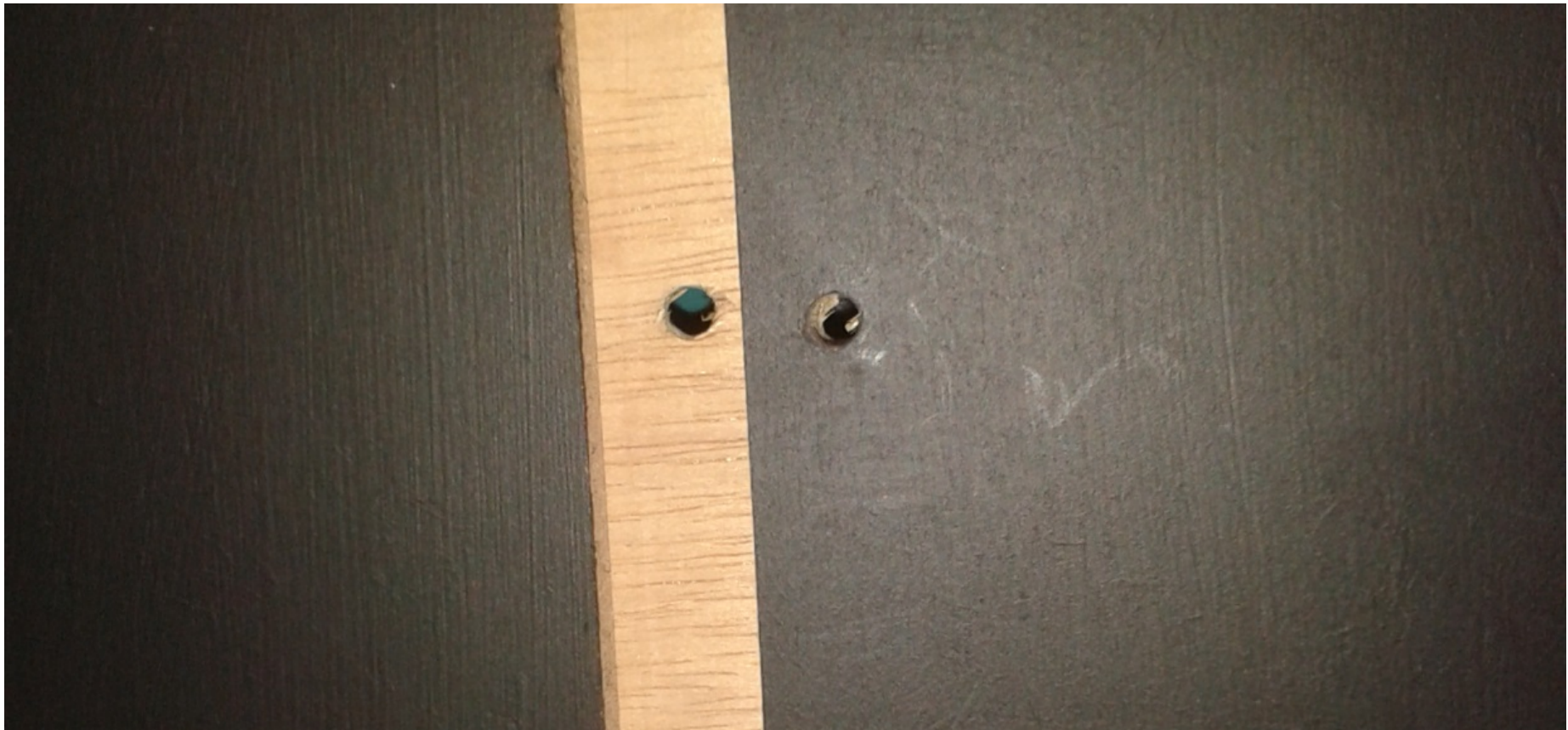
5.5mm plywood is used for the tongue and groove. One piece is 50mm wide, the other 75mm wide. 80gsm paper is used in the glue joint to provide clearance.



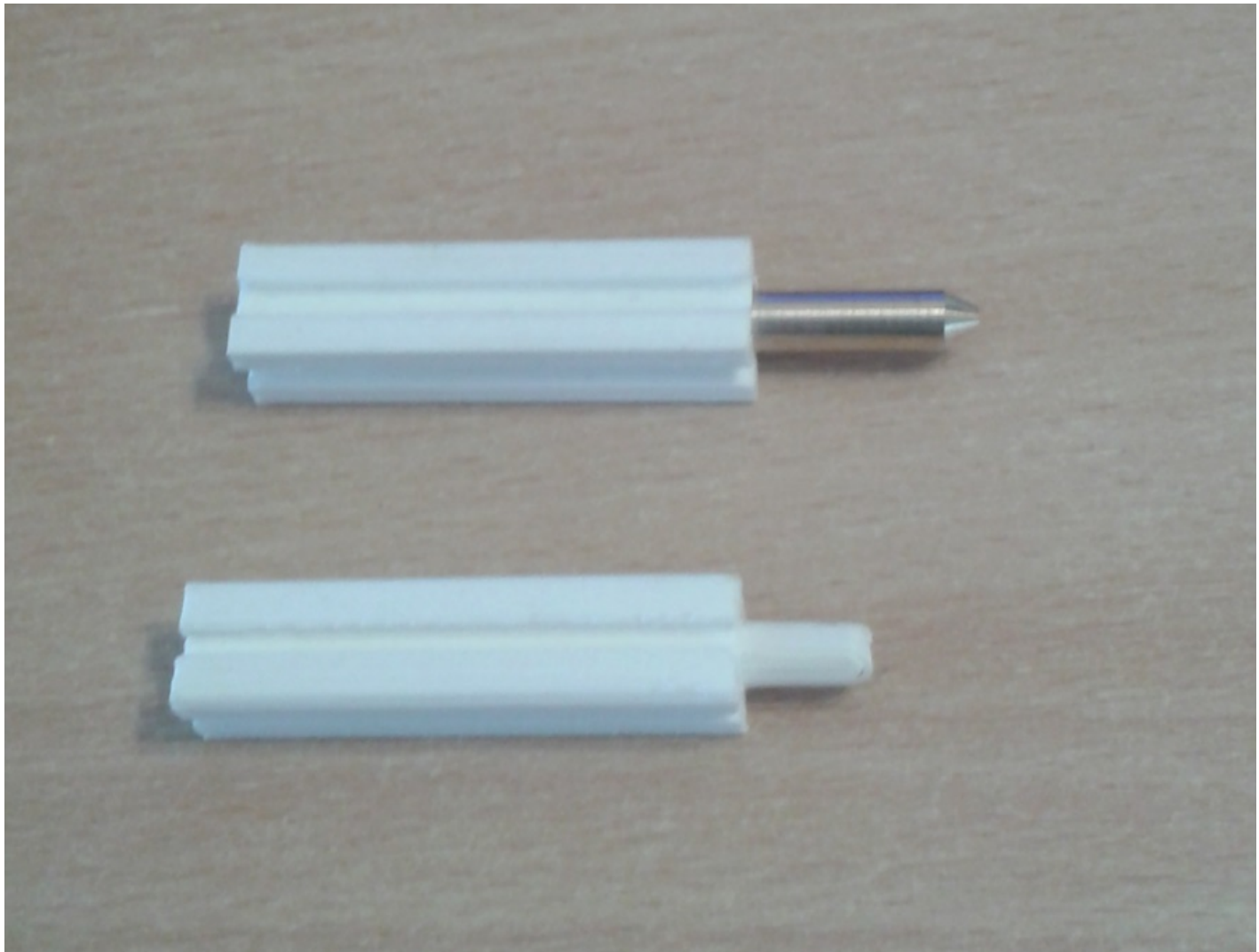
The tongue and groove are spaced back a couple of millimetres from the edge so that they don't hold the main pieces apart.



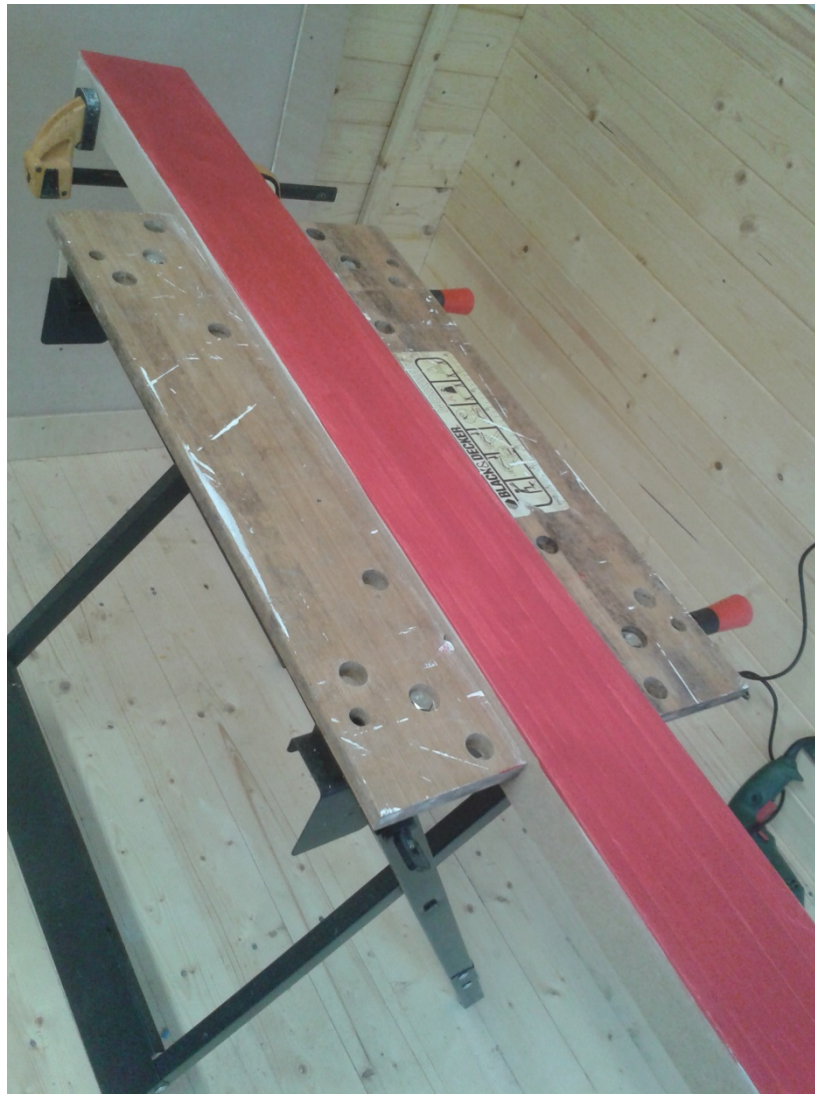
Feet



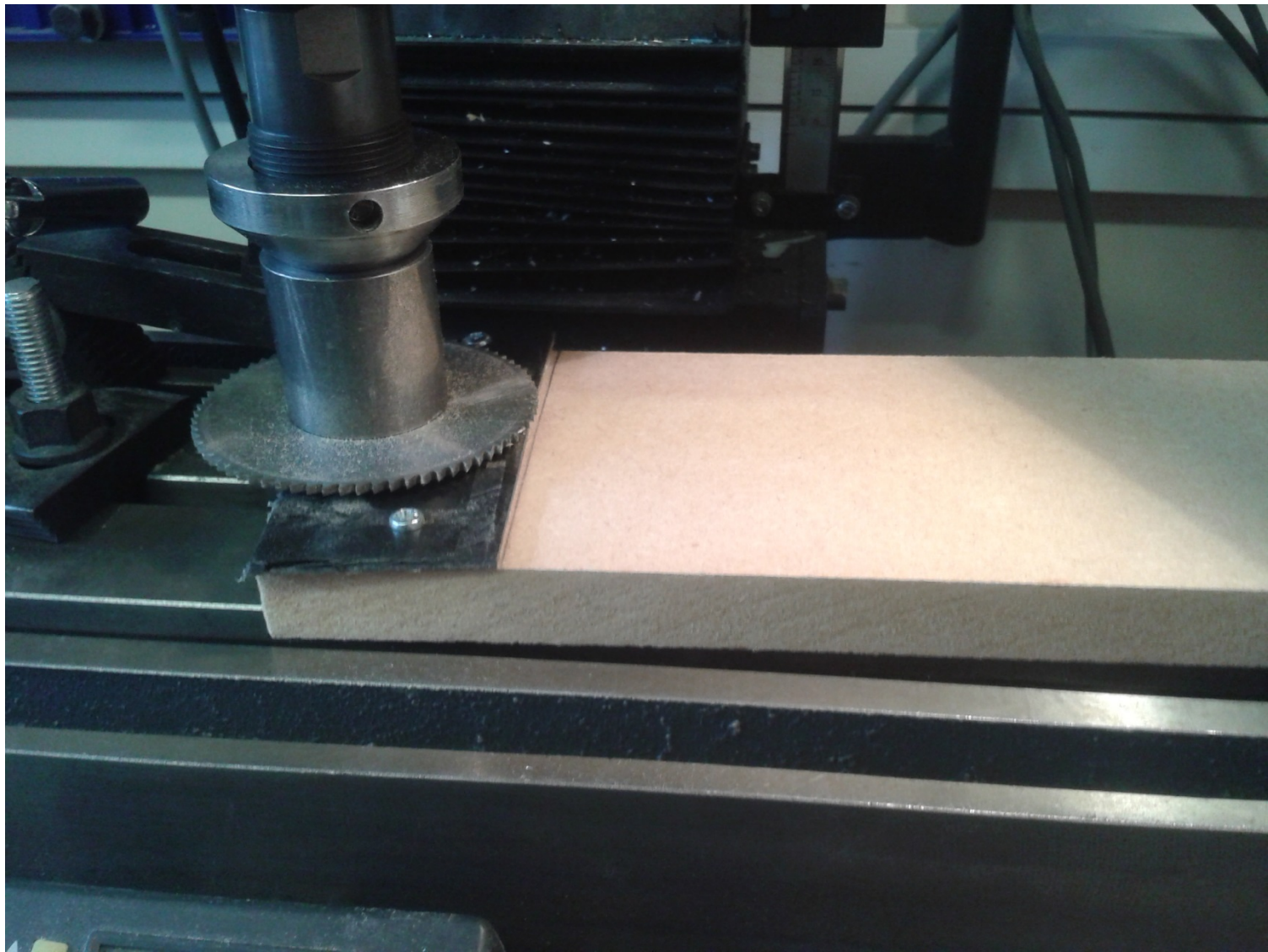
location holes



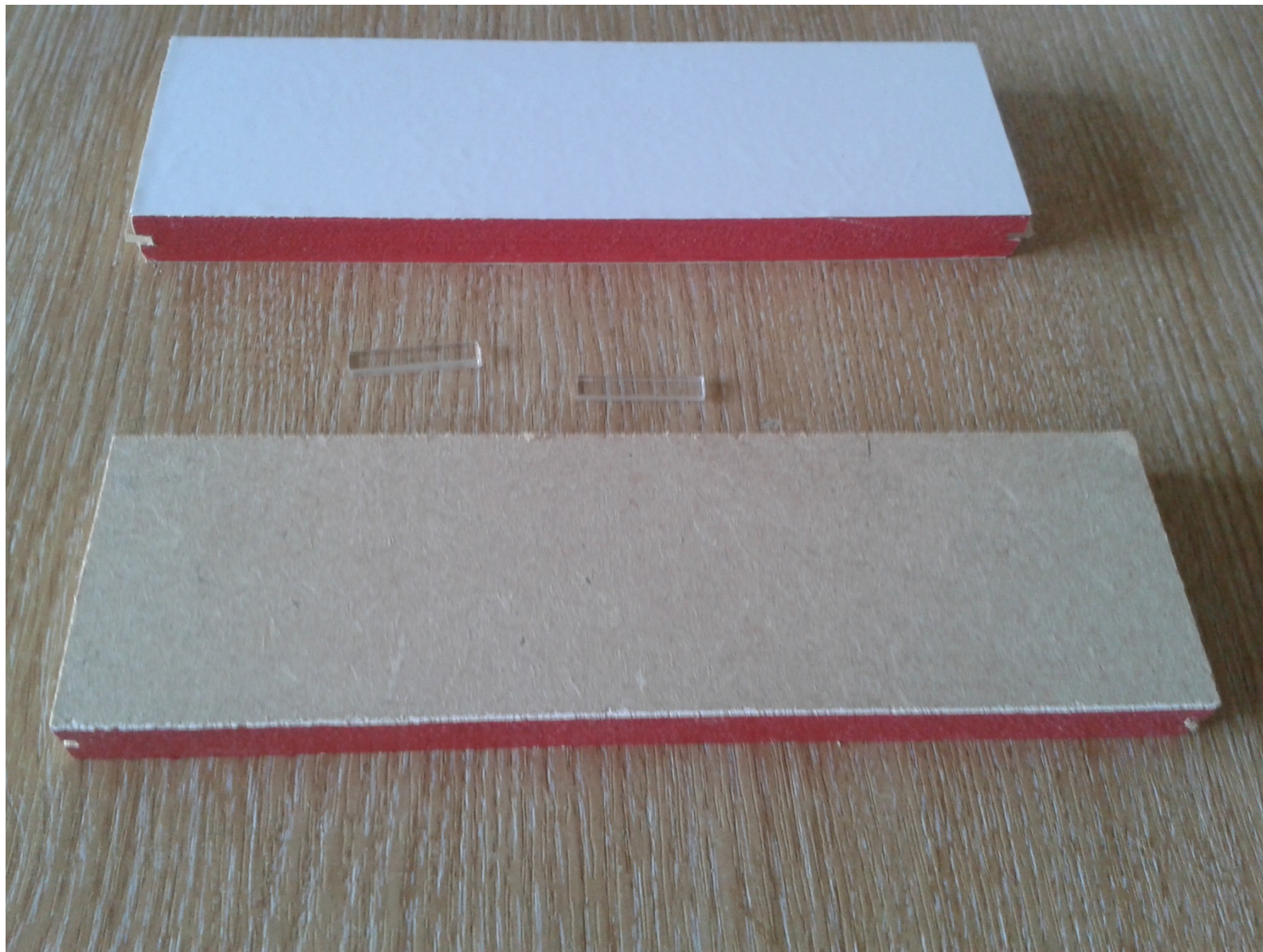
Posts



Mass wall top painting



Cutting the tab slots



Walls



Special tools

The present (and future?)