

# woodworking Inlays

by

Harland Tompkins

&

Jim Horton

- Simple Inlays
- More Involved Inlays

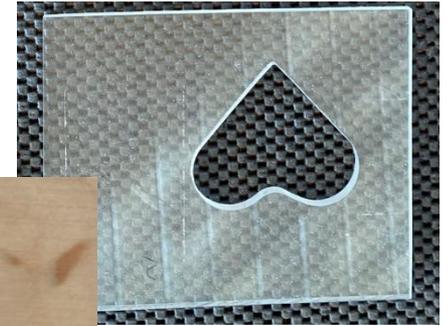
# Simple Inlays

- Equipment
  - Plunge Router
    - 1/8" bit
  - Template
  - double-sided sticky tape



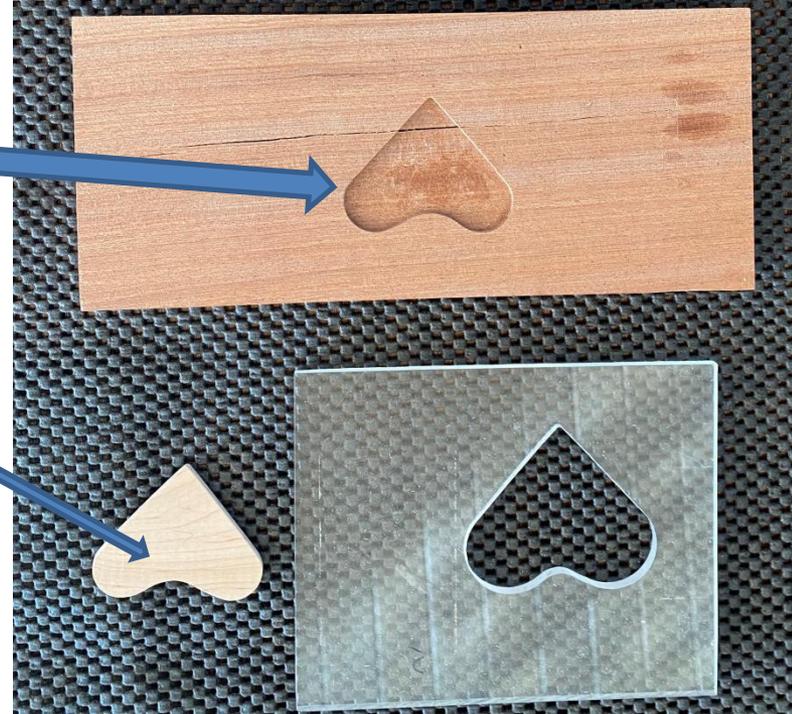
# Simple Inlays

- Equipment
  - Plunge Router
    - 1/8" bit
  - Template
  - Bushing
    - Inlay, no
    - hole, yes



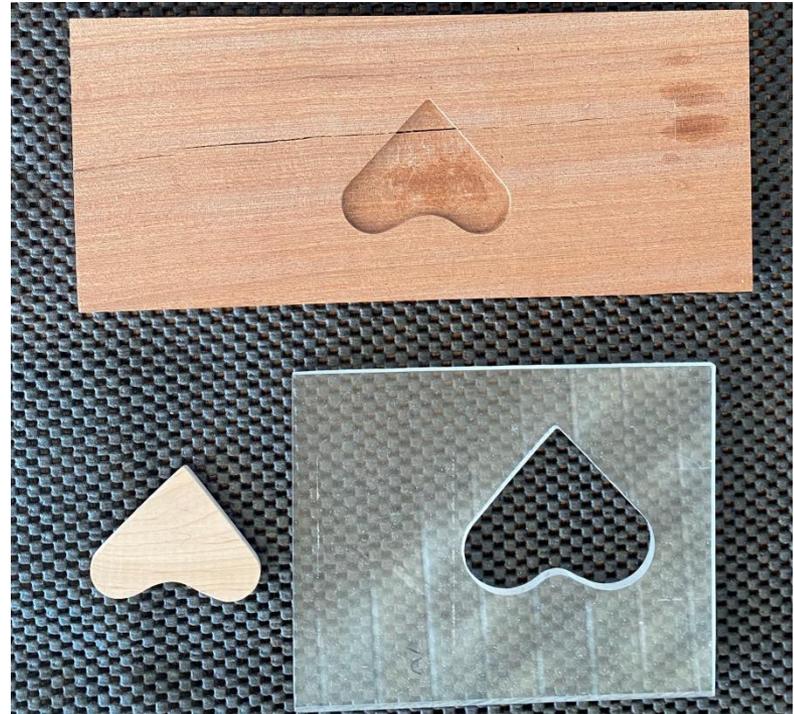
# Simple Inlays

- terminology:
  - "hole"
- Cut Insert
  - 1/8" board
    - buy, or
    - fabricate
      - cut groove
      - use drum sander



# Simple Inlays

- Insert
- Glue up



# Simple Inlays

- Another example



# Inlays (multiple parts)

An example

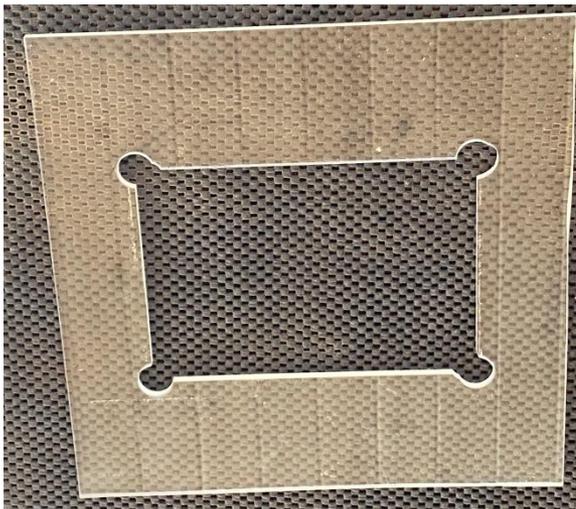


# Let's do it

- The order that you do things is not critical
  - suggestion:
    - make the inlay pieces first, using the individual detail templates with double-sided sticky tape
- Choose the wood for the bird's body
  - e.g., hard maple
- Choose the wood for the overall project
  - we will call this wood the "matrix"

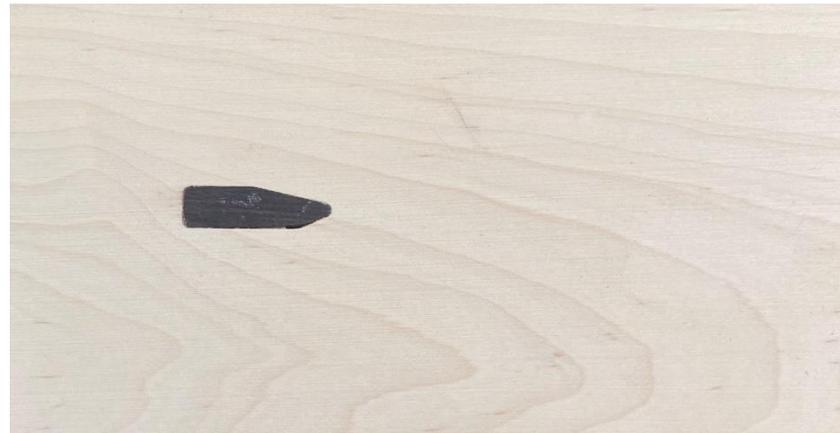
# Templates (multiple parts)

- multiple parts requires multiple templates
- proper alignment is key
  - one master template
  - several detail templates



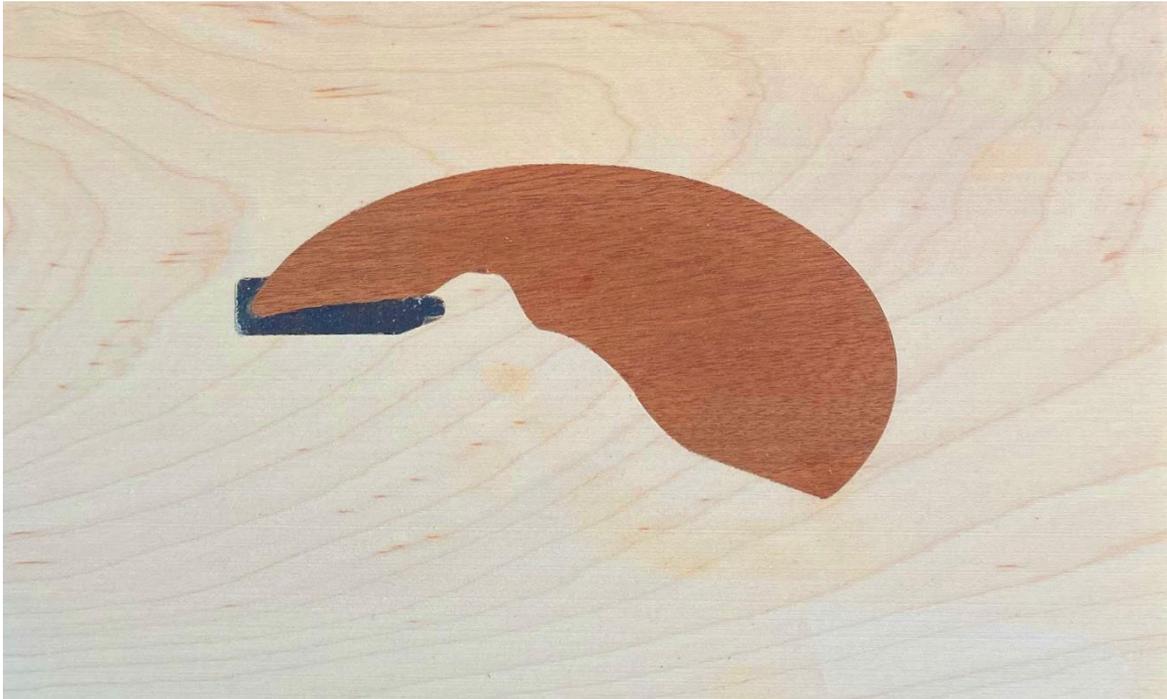
# Inlays (multiple parts)

- Using double-sided sticky tape, attach the master template (around the opening) near the center of the hard-maple board
- using the bird's beak template in the master template, cut a hole in the hard-maple and inlay the bird's beak, with ebony



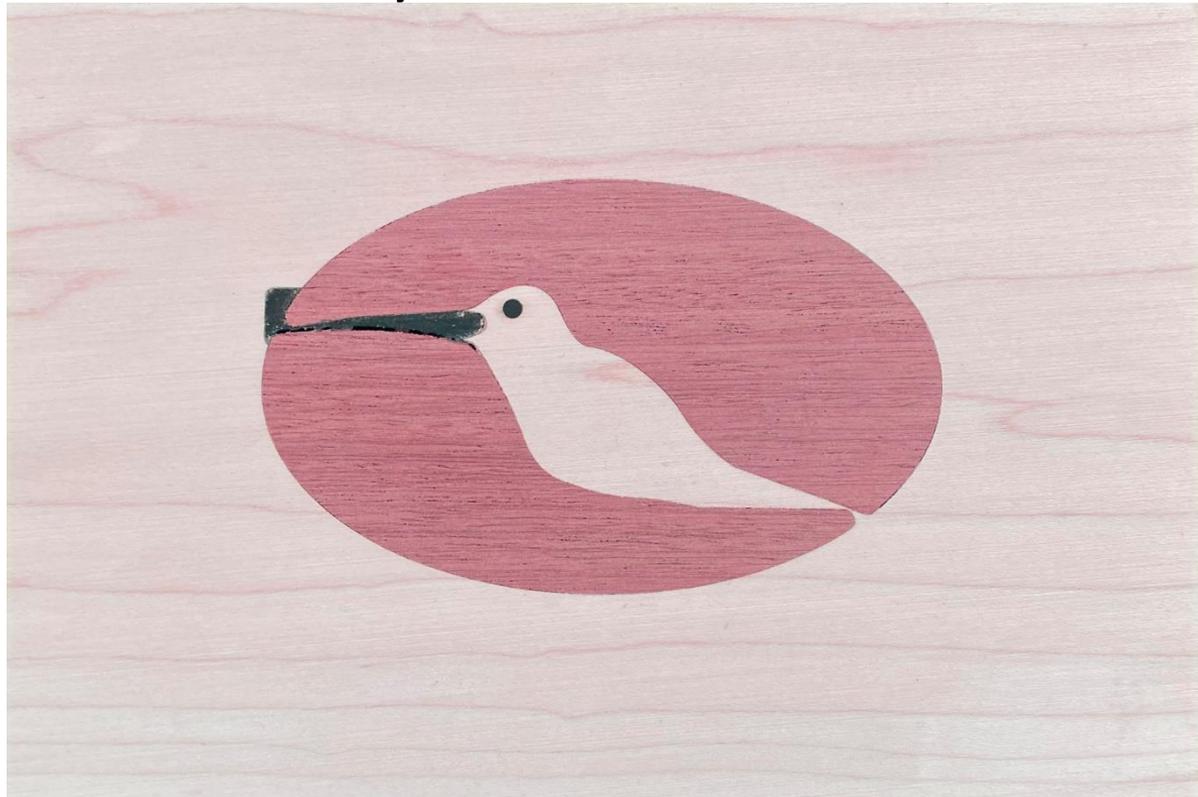
# multiple parts

- Discussion about sharpness
- Add inlay (upper part of oval)
  - notice trim of ebony, initial formation of bird



# multiple parts

- Add lower part of oval
  - note further trimming of beak, formation of the bottom of the birds body, and addition of eye
  - eye, methods?



# multiple parts

- Take this oval out and make it into an inlay piece
  - use master template with oval detail template



# multiple parts

- Take this oval out and make it into an inlay piece
  - set router bit depth of cut to greater than  $1/8"$ , e.g. at  $3/16"$
  - cut groove around oval
  - use drum sander to remove back until the oval piece falls out

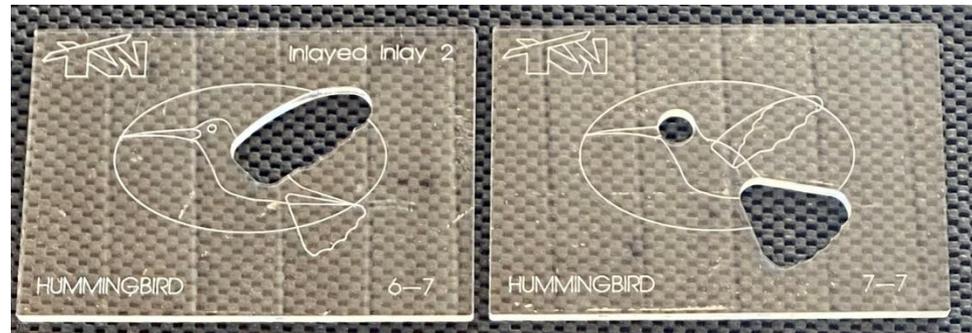


# multiple parts

- using double-sticky tape, attach the master template to the matrix board, and insert the oval detail template. Cut the hole and insert the oval inlay that you just made. The depth of the hole should be about that of the thickness of the new oval inlay

# multiple parts

- using, one at a time, the detail templates for the wing and for the tail, add the wing and the tail to the final product



# multiple parts

- sand the top and apply some finish for the FINAL Product



# multiple parts

- Where do I buy the multiple templates
- the bushing with collar and router bit can be obtained from most wood stores

