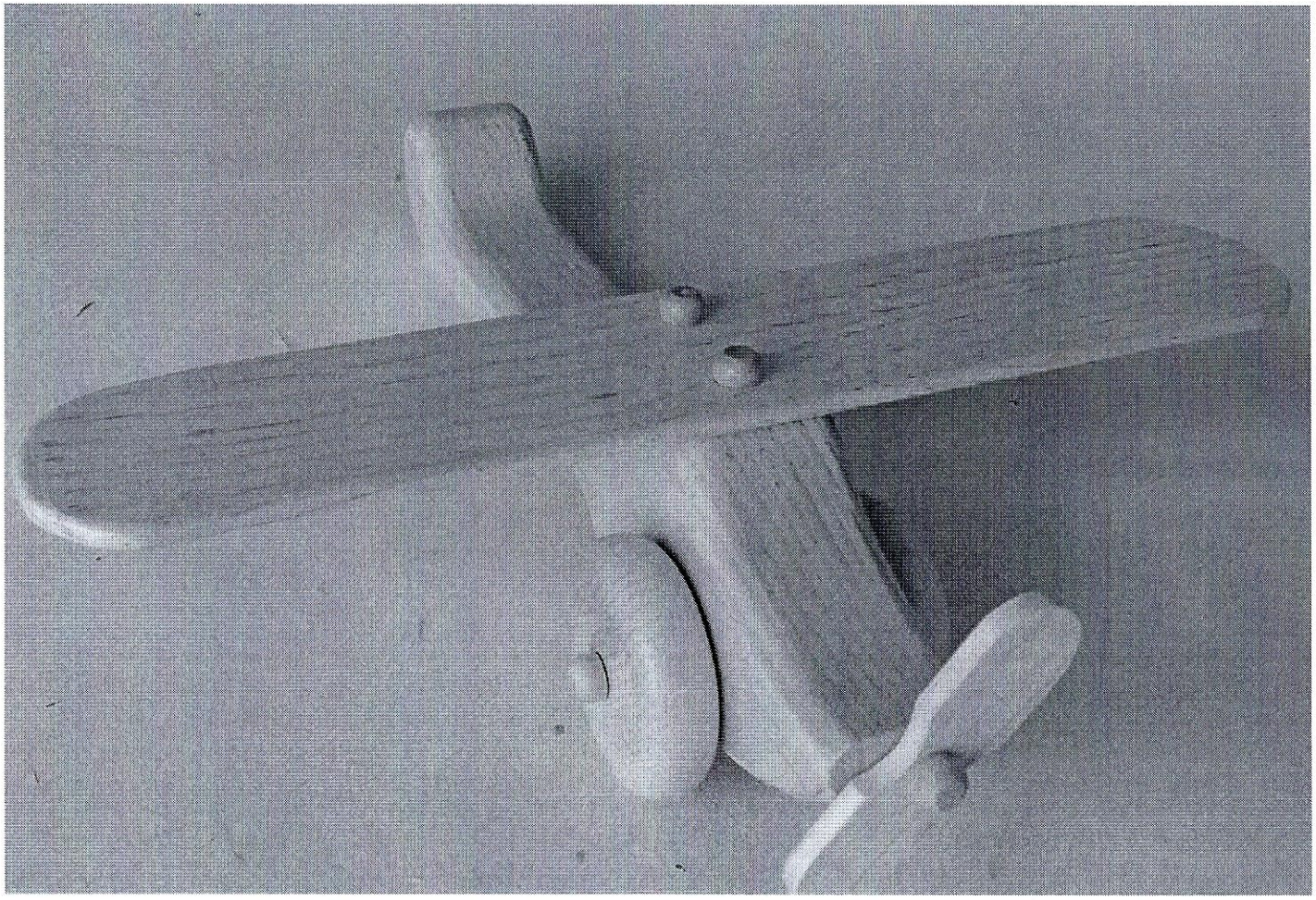
Toy Airplane
SJFWA

Jim Gulley - May 2013



Airplane Fuselage

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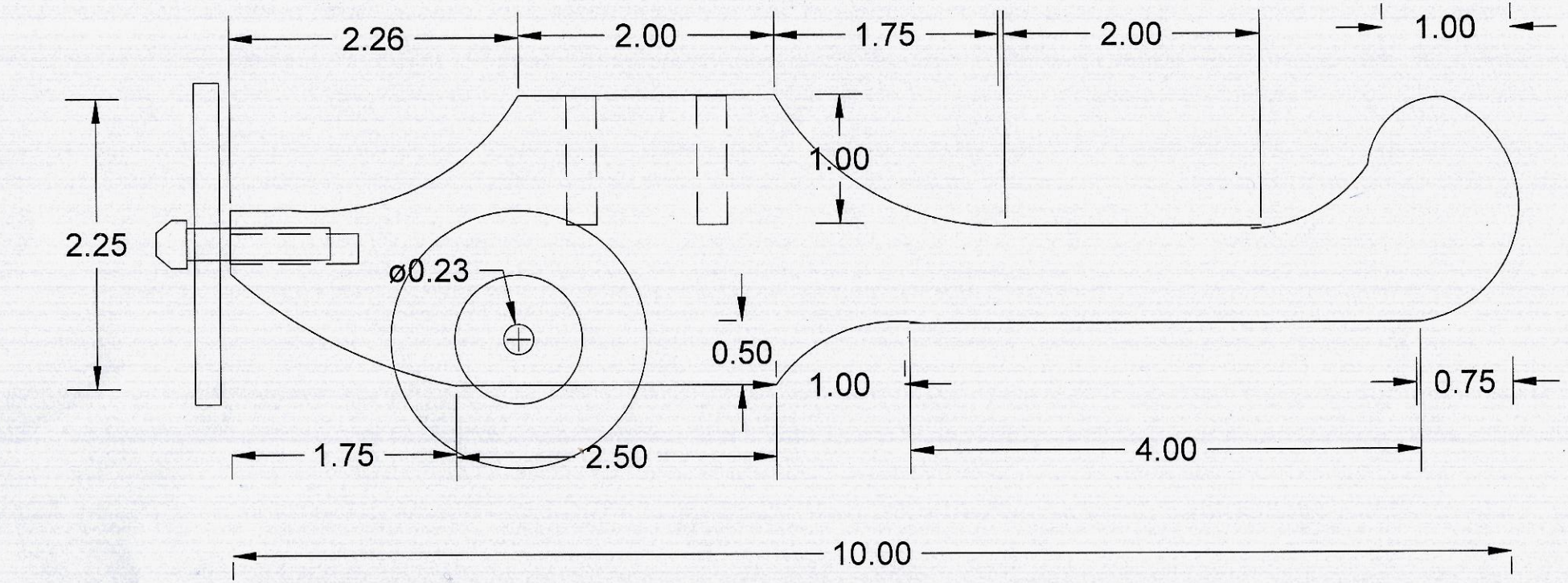

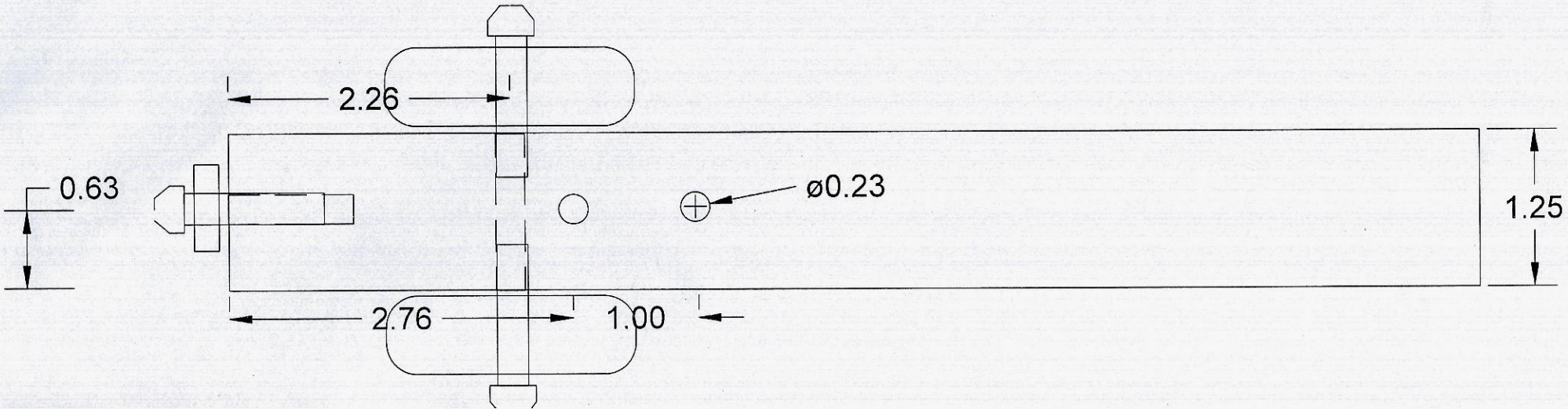

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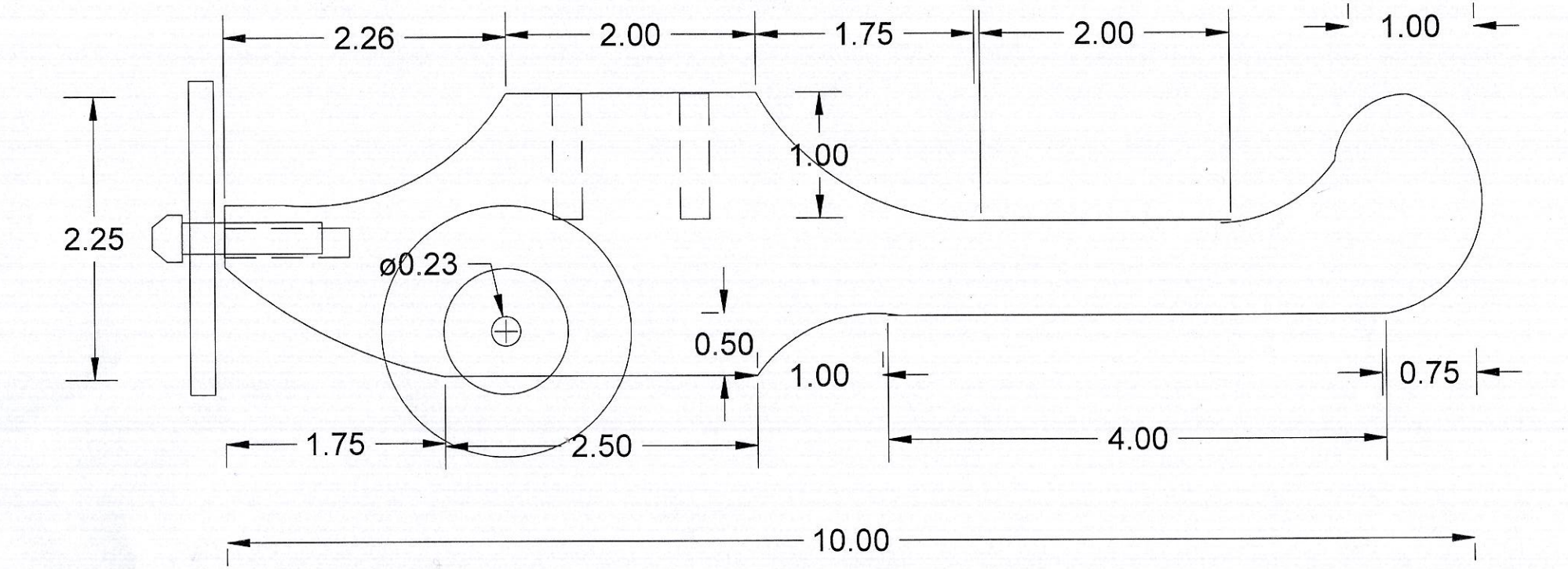
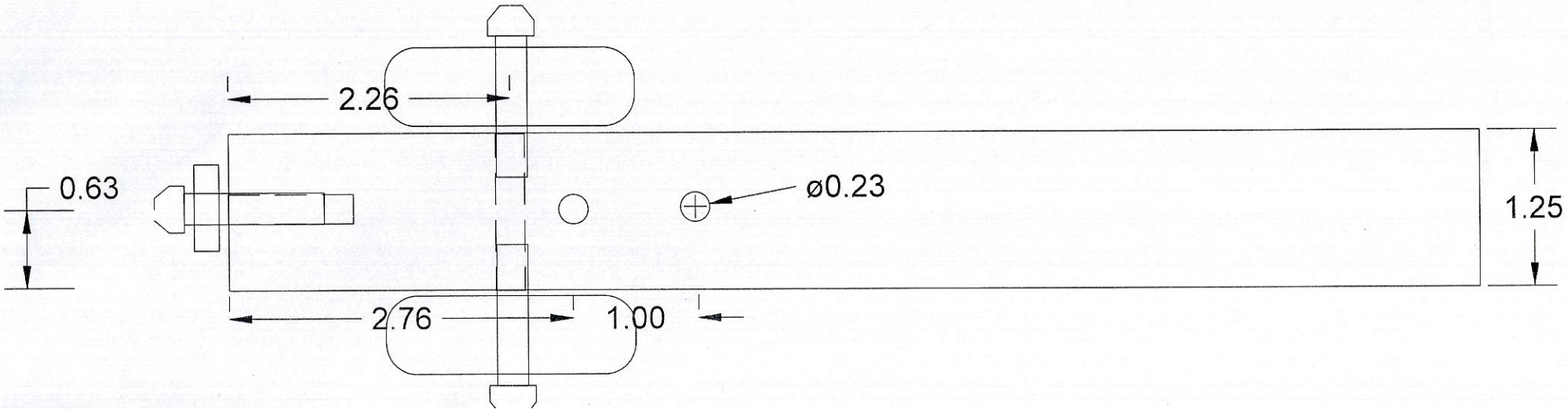
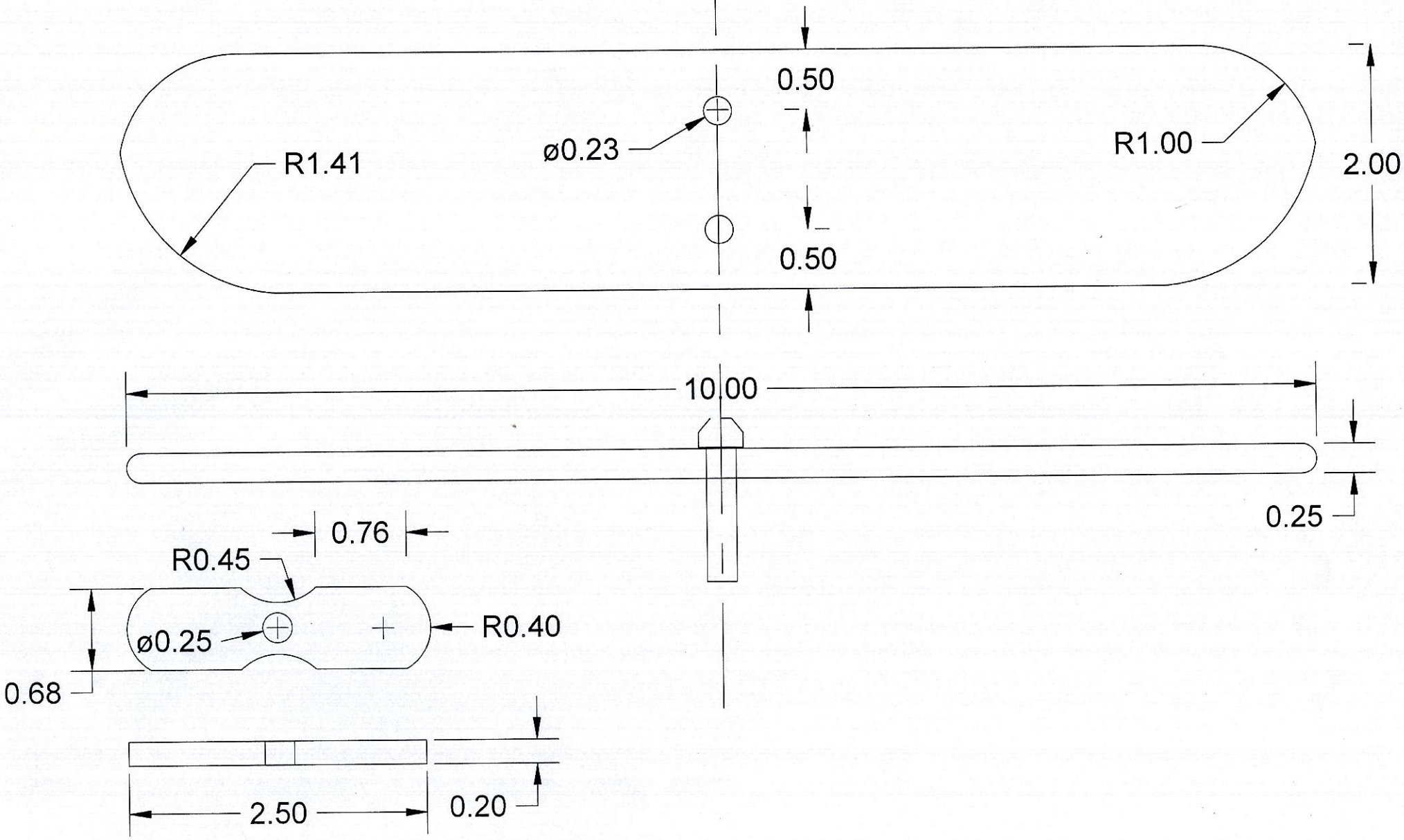




Airplane Wing and Propeller



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Toy Airplane Construction notes

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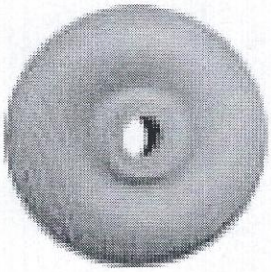
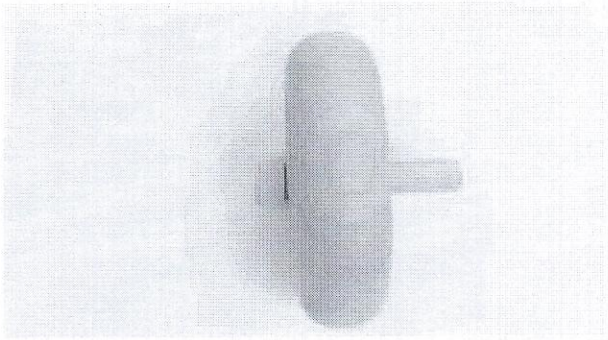
Materials

- Body and wing can be hard or softwood. Propeller is hardwood to resist breaking when dropped. Wheels and Axle Pegs are commercially available supplies and are made of hardwood. Five axle pegs are requires. Two to attach the wing, one for the propeller, and two for the wheels.





Wheels can be either 2" or 1.5" diameter. Axle pegs are 1 1/8" long, 15/64" diameter plus hub.

Wing is not thinner than .20", but can be as thick as .25".
Propeller is not thinner than .20" thick.

- All parts must be glued securely to insure parts do not come off if toy is dropped. Wheels and propeller must turn freely. Make sure there is free space when installing and that glue does not get where it shouldn't be.
- All edges of airplane fuselage are routed with a ¼" roundover bit.
- All edges of airplane wing are routed with a 1/8" roundover bit.

Construction

- Curved areas of the fuselage, wing, and propeller are not critical. Drawing radii are guidelines only. Just make sure that the center propeller indents do not go closer than 1/16" to the hole. I fine tuned the fuselage and wing parts by hand on the spindle sander. I shaped the propeller entirely by hand on the spindle sander.