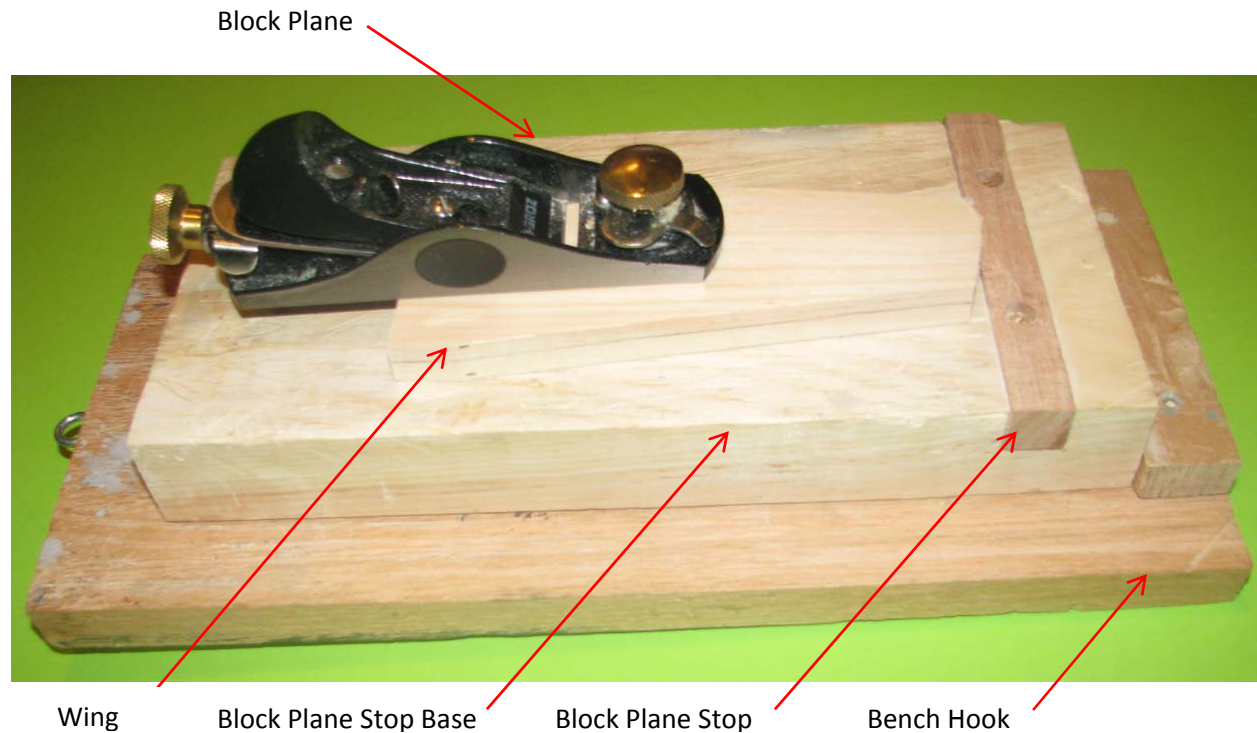


Wing Ready for Tapering using Block Plane, Block Plane Stop and Bench Hook

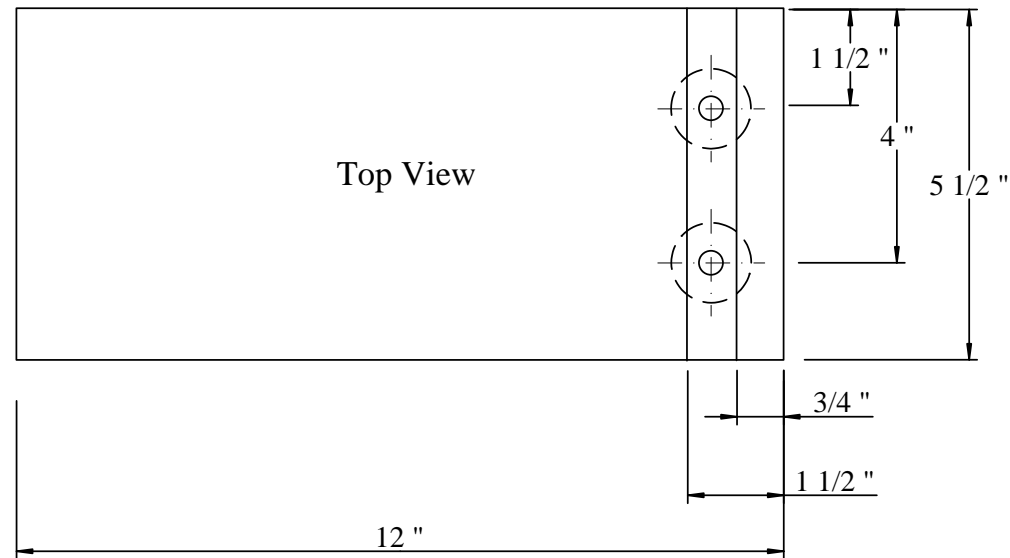


The plane stop is raised slightly above its base to allow the block plane to pass over top. This allows the block plane to travel past the wing tip even when approaching the finished wing thickness. If the wing tip is very thin, a folded paper shim can be placed under the wing. By taking light cuts with the block plane, minimal contact is required between the wing and the plane stop.

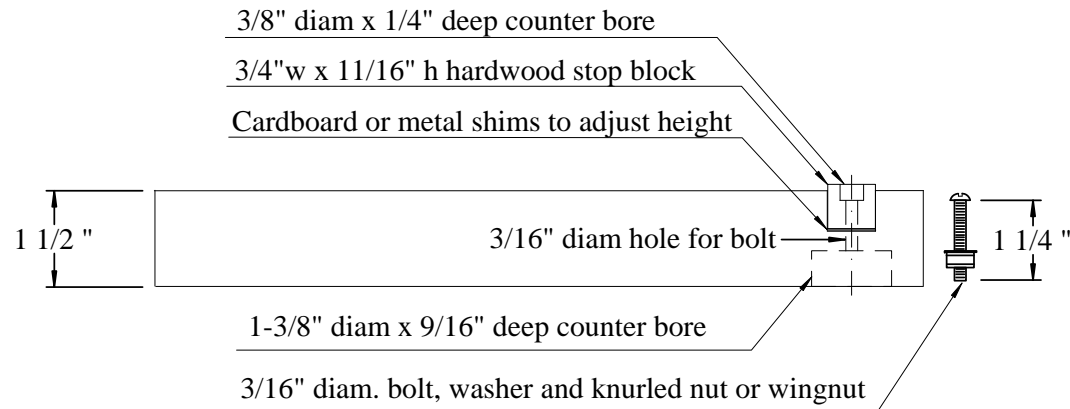
A sharp block plane can quickly remove the excess material when tapering the wing and can also be used to establish the wing's airfoil shape.

The plane stop can also be used to create thin pieces of wood for vertical and horizontal stabilizers.

## Block Plane Stop Plans



### Side View



### Notes:

- 1- Softwood is used for the base.
- 2 - Groove in base can be cut with a router or hand cut with a saw and chisel.
- 3 - Ensure bolt does not project beyond bottom of base when stop is in lowest positions.
- 4 - Make several spare hardwood stops. The plane will knock them and eventually wear them down.

Top View of Block Plane Stop and Base

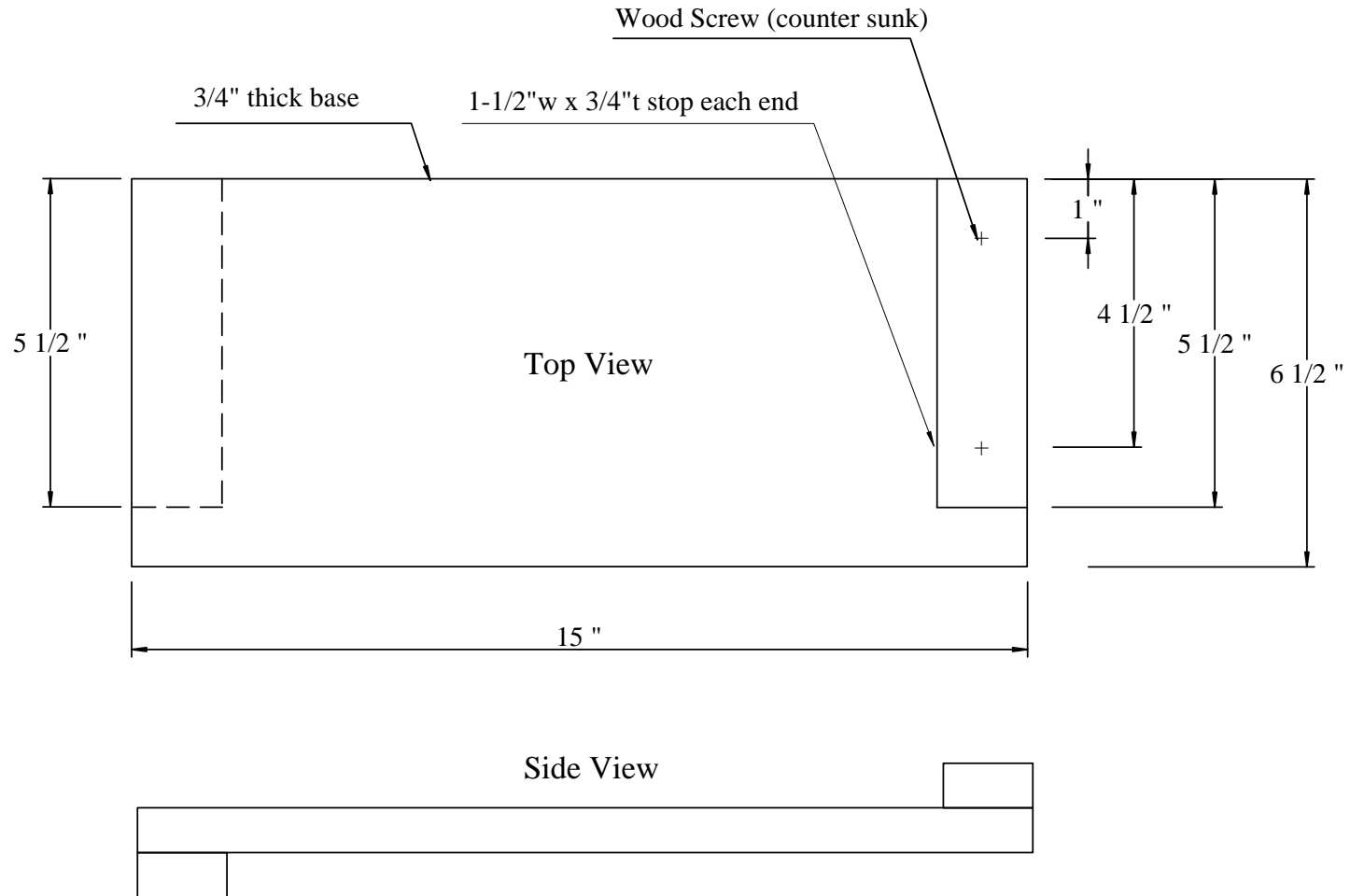


Bottom View of Block Plane Stop Base



Knurled nuts were used instead of wing nuts

## Bench Hook Plan



### Notes:

- 1 - Hardwood is the preferred material for the base, but softwood or plywood can be substituted
- 2 - The stops at each end are offset to allow the bench hook to be used as a stop for sawing
- 3 - Don't glue stops to base to allow future replacement of stops when worn
- 4 - Dimensions are suggested sizes only and can be modified to suit specific requirements or available lumber sizes

Top View of Bench Hook

