

Title: **Re: RHONSPERBER 3RD SCALE**

Post by **chris williams** on **01/04/14 at 09:08:47**

With the fuselage sheeting completed, one more check of the wing/tailplane alignment...

Once the basic inner and outer wing panels are made up, they can be joined together...

(The correct angle is obtained from the jiggging supports)

 [\[broken image\]](#)



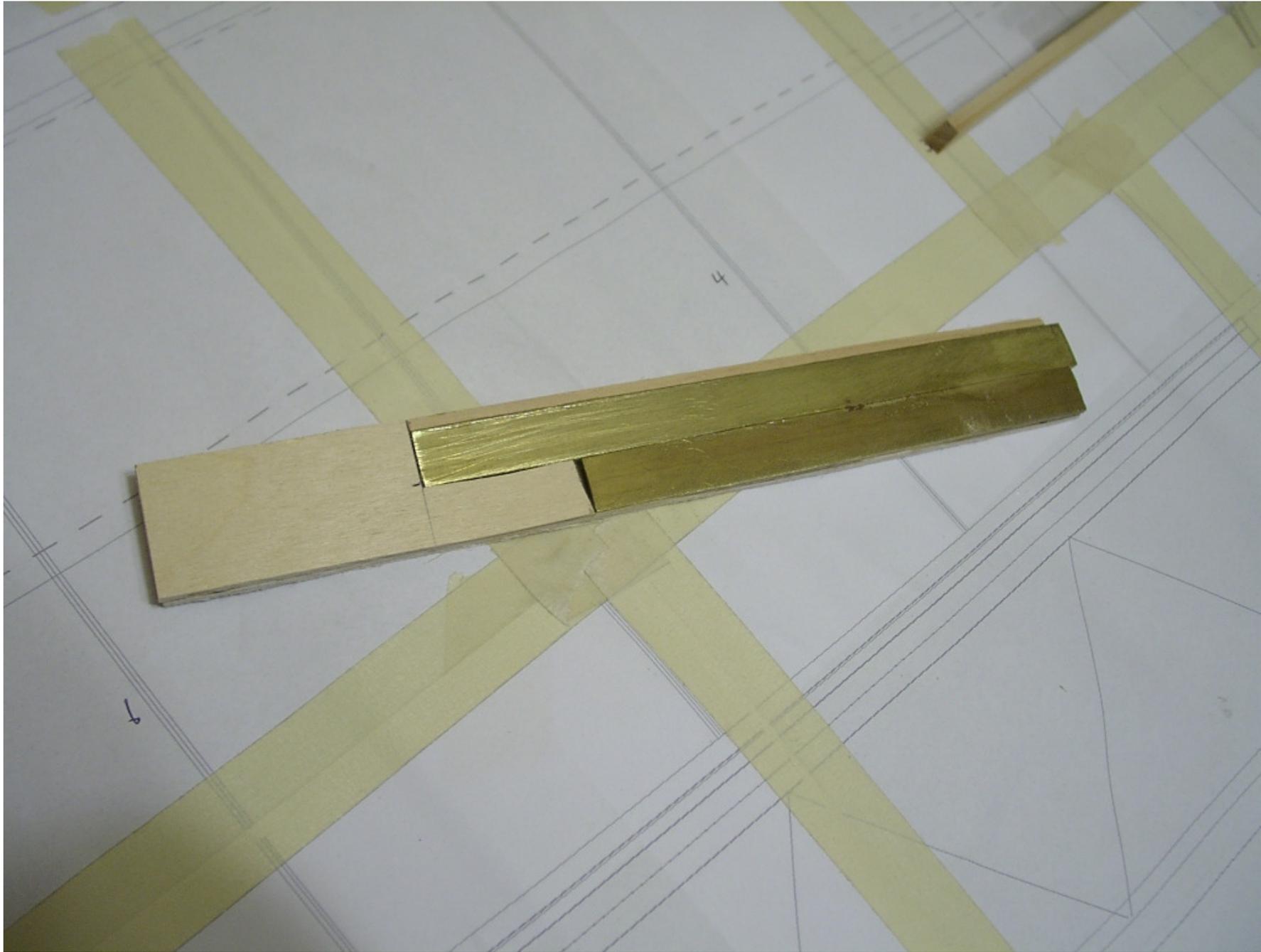
Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on **01/04/14 at 09:29:20**

Whoops, got a bit out of sync, there...

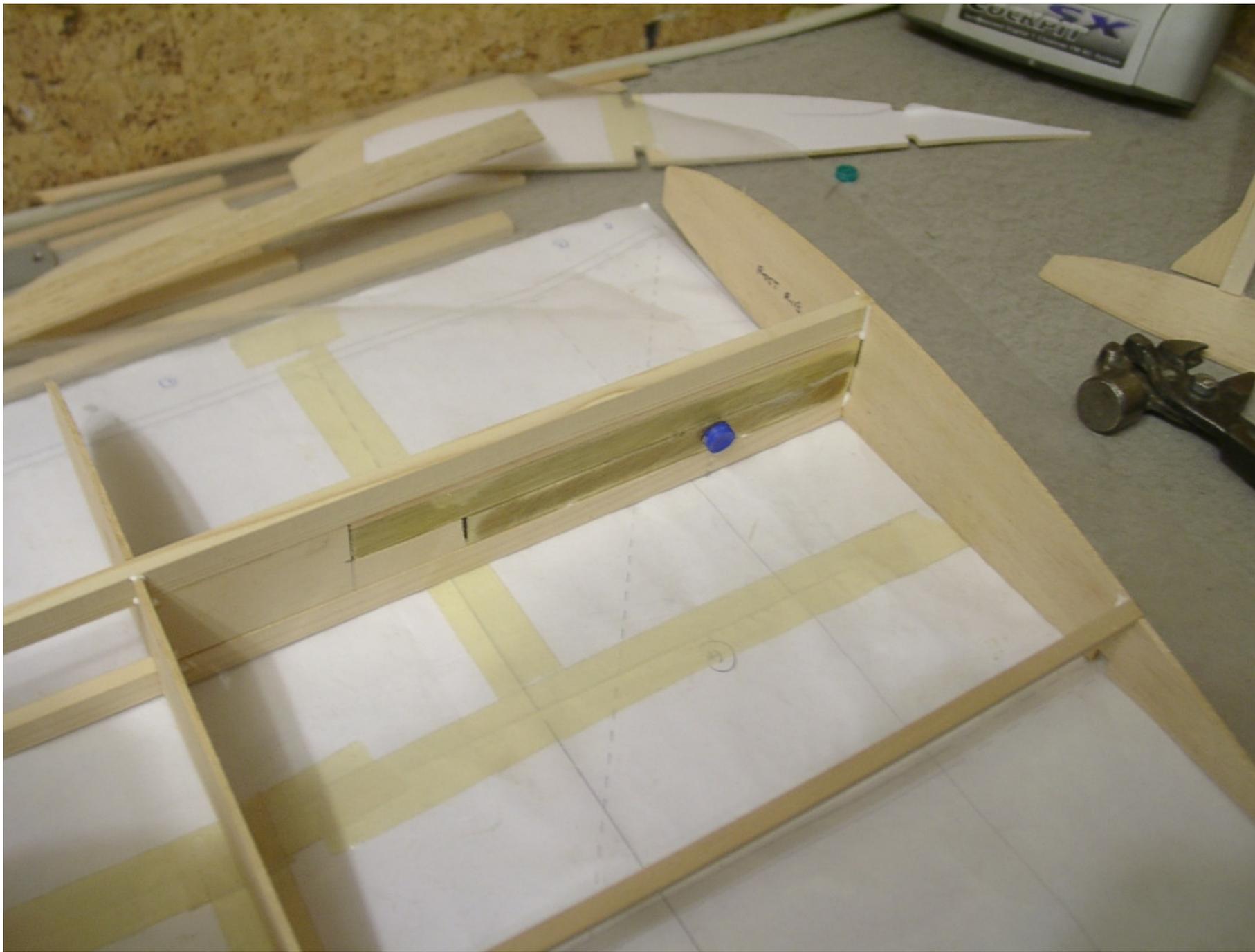
View of the wing joiner box assembly.

Can't resist attaching the inner wing panels to the fuselage...





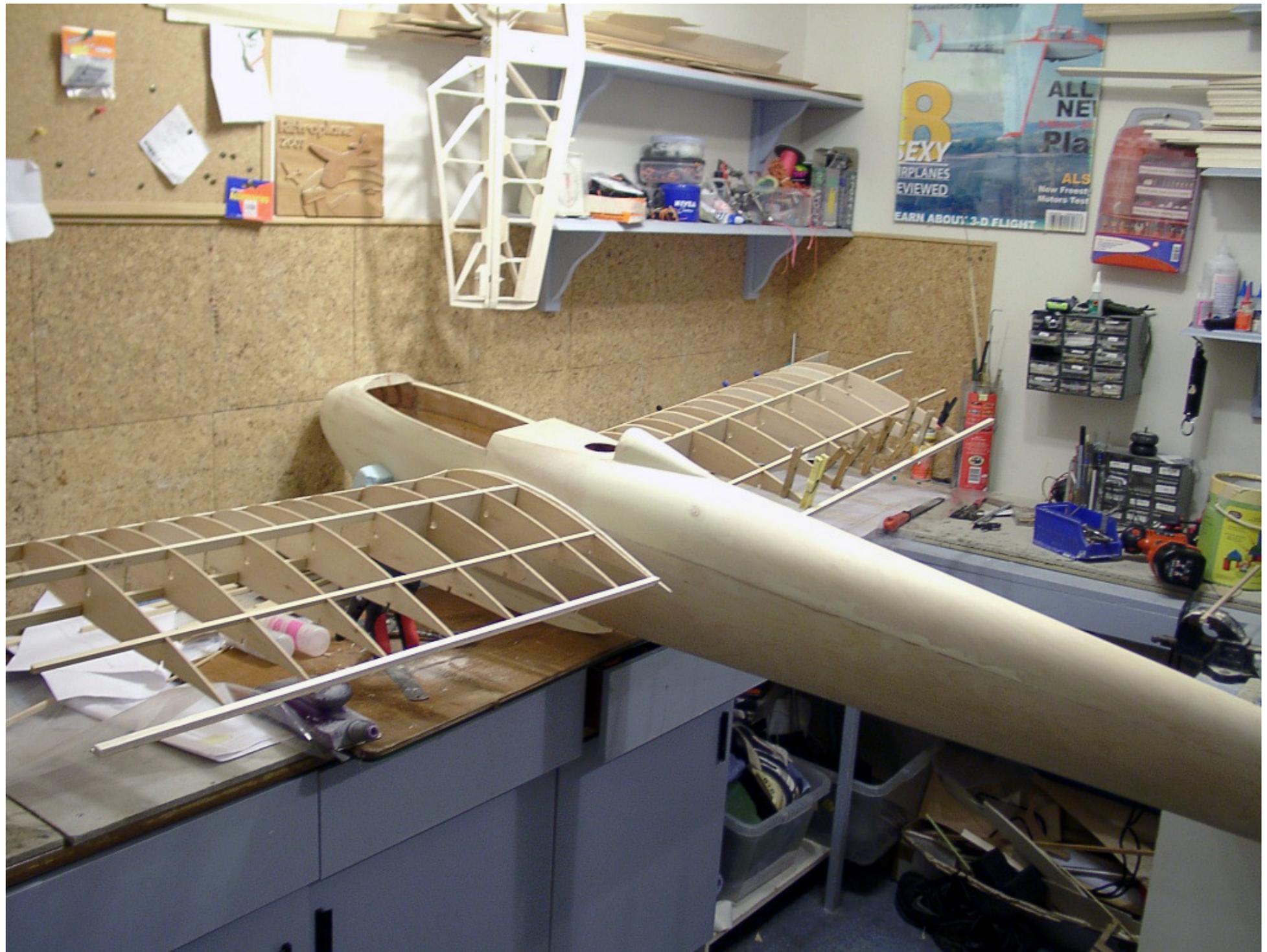












Title: **Re: RHONSPERBER 3RD SCALE**

Post by **SRS** on **01/07/14 at 06:21:19**

Chris,

Are these cutting parts available for order?

Kind regards,
Douglas

(from the Netherlands)

Title: **Re: RHONSPERBER 3RD SCALE**

Post by **chris williams** on **01/07/14 at 06:46:58**

I think Cliff Evans has produced the files and is offering a kit...

Title: **Re: RHONSPERBER 3RD SCALE**

Post by **SRS** on **01/07/14 at 08:22:17**

He does!

Title: **Re: RHONSPERBER 3RD SCALE**

Post by **chris williams** on **01/08/14 at 15:59:02**

Views of the gull join...Note how the 6mm balsa aileron spar ties into the secondary 6mm sq spruce spars on the inner panel





Title: **Re: RHONSPERBER 3RD SCALE**

Post by **chris williams** on **01/09/14 at 14:48:21**

A quick detour around the subject of sheeting...

Here's how I join two sheets of balsa to achieve what I hope is maximum strength.

1: First, the two sheets are lined up against a straight edge

2: They are overlapped, and the edge on the lower sheet marked

3: Now, diagonal cuts are made, using knife and ruler

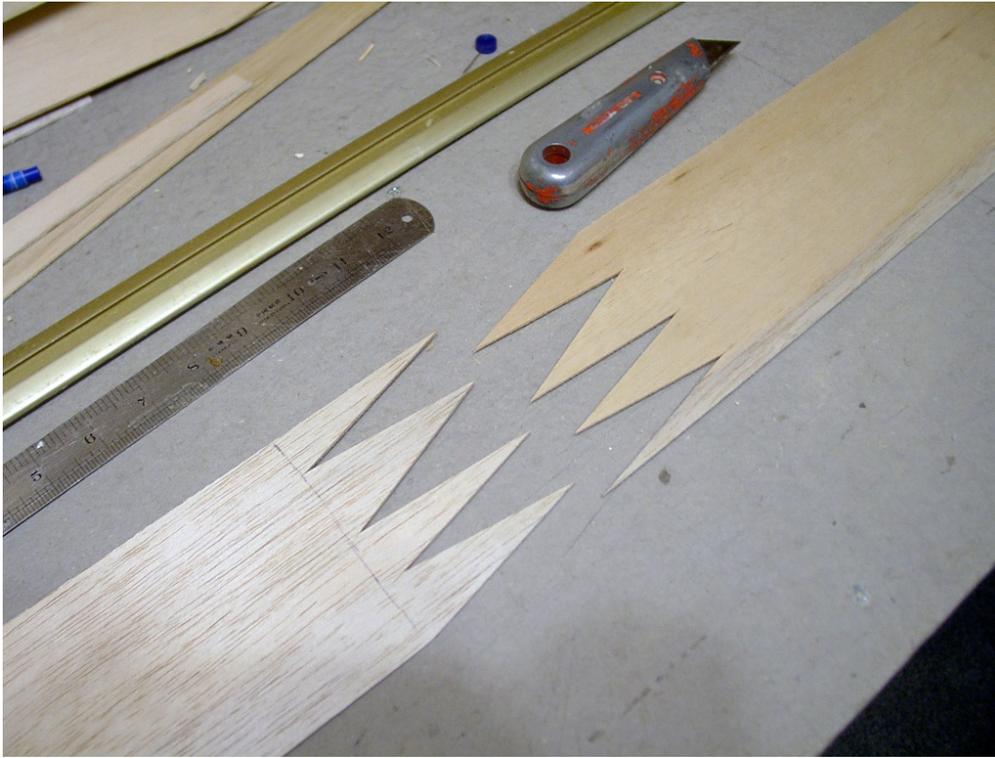
4: The resultant tangs & hollows are now ready for joining











Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on **01/12/14** at **05:34:19**

Scrape off the excess PVA, tape up both sides, and leave to dry...









Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on **01/15/14 at 04:07:41**

The wing is set up on the jigging supports. Note the extra supports under the aileron spar and inner panel TE, ensuring that things stay straight.
Then the top sheeting is added and the wings weighed down to sit properly on the supports





Title: **Re: RHONSPERBER 3RD SCALE**
Post by **Barry_Cole** on **01/15/14 at 06:14:05**

If you are not careful you will have that finished soon...

:D :D :D :D

BC

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on **01/16/14 at 14:12:03**

Continue to support long edges during the sheeting process...
Setting up the aileron shrouds
Don't forget the spruce blocks for the retention hooks





Title: **Re: RHONSPERBER 3RD SCALE**

Post by **chris williams** on **01/19/14 at 15:11:37**

Time to set the wings up against the fuselage... The first bit is as tricky as it is important. The wings are set at an exact right-angles to the fuselage, with initial wedges of 1.5mm ply between the two to set it up, and the final ply root facings in place. (Checking is simply achieved with a bit of string pinned to centre of the fuselage at the rear and run out to the wing tip TE each side.)

At the same time, the decalage needs to be finalised, and the wings set against each other.

Then, it's just a question of filling in...









Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on **01/21/14 at 15:58:06**

Yet more shaping and sanding, with a triumphant rigging up in the garden... :)





Title: **Re: RHONSPERBER 3RD SCALE**
Post by **Espenlaub** on **01/21/14 at 16:02:03**

S U P E R

Gruß
Hans-Jürgen

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **Barry_Cole** on **01/22/14 at 10:22:17**

No rain and flooding where you are then Chris...

::) ::) ::) ::)

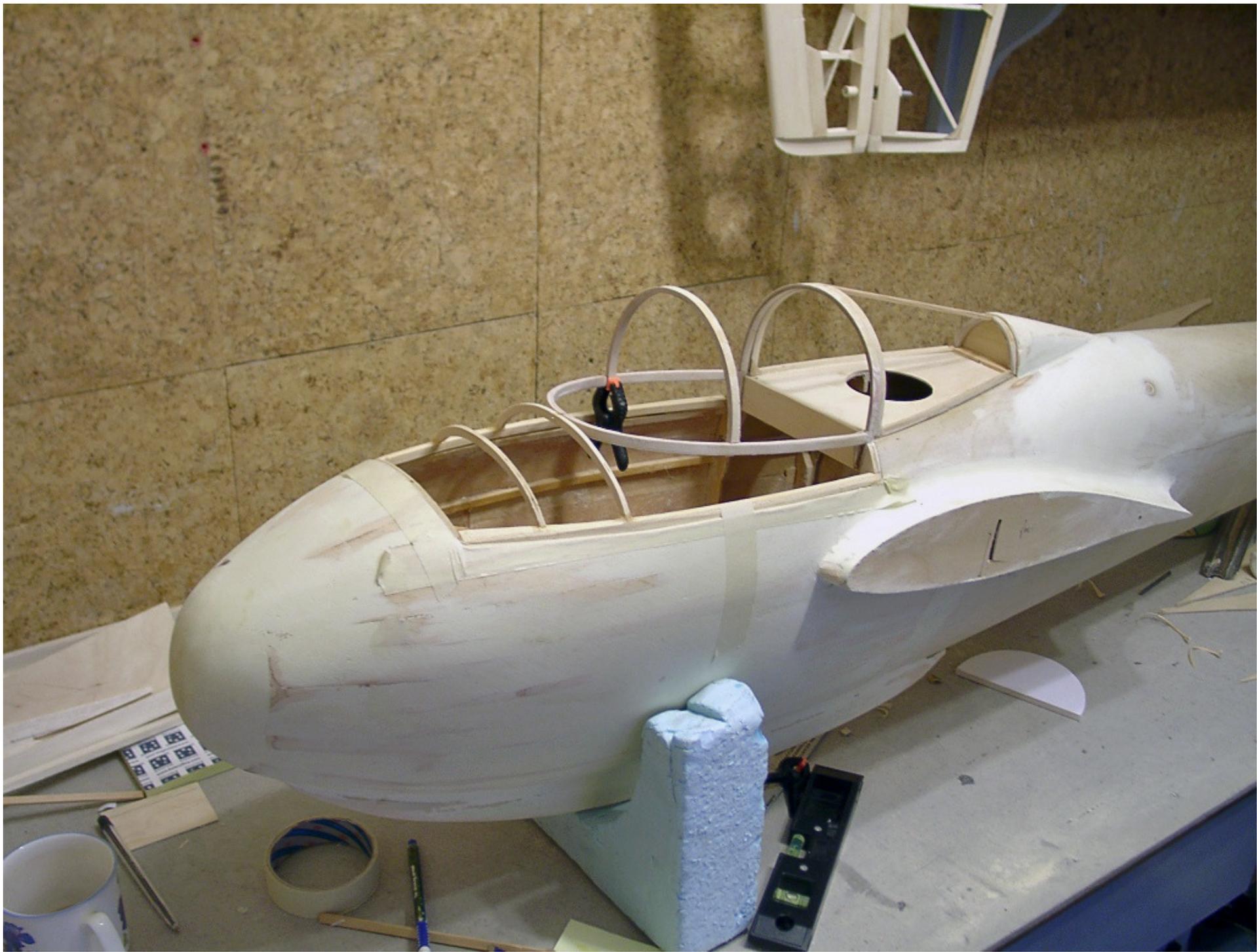
BC

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on **01/23/14 at 14:29:41**

Rain? We've had to erect another fence just to keep the Hippos out...

The canopy frame is made up now. The starboard rail is hinged up first, and the rest built up in place around it.
The hoops are all made from laminations of 0.8mm ply pinned around shaped 6mm balsa formers.





Title: **Re: RHONSPERBER 3RD SCALE**
Post by **Barry_Cole** on **01/23/14 at 17:14:46**

How are you going to make that wheel drop off then Chris???

:o :o :o :o

BC

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on **01/25/14 at 15:04:39**

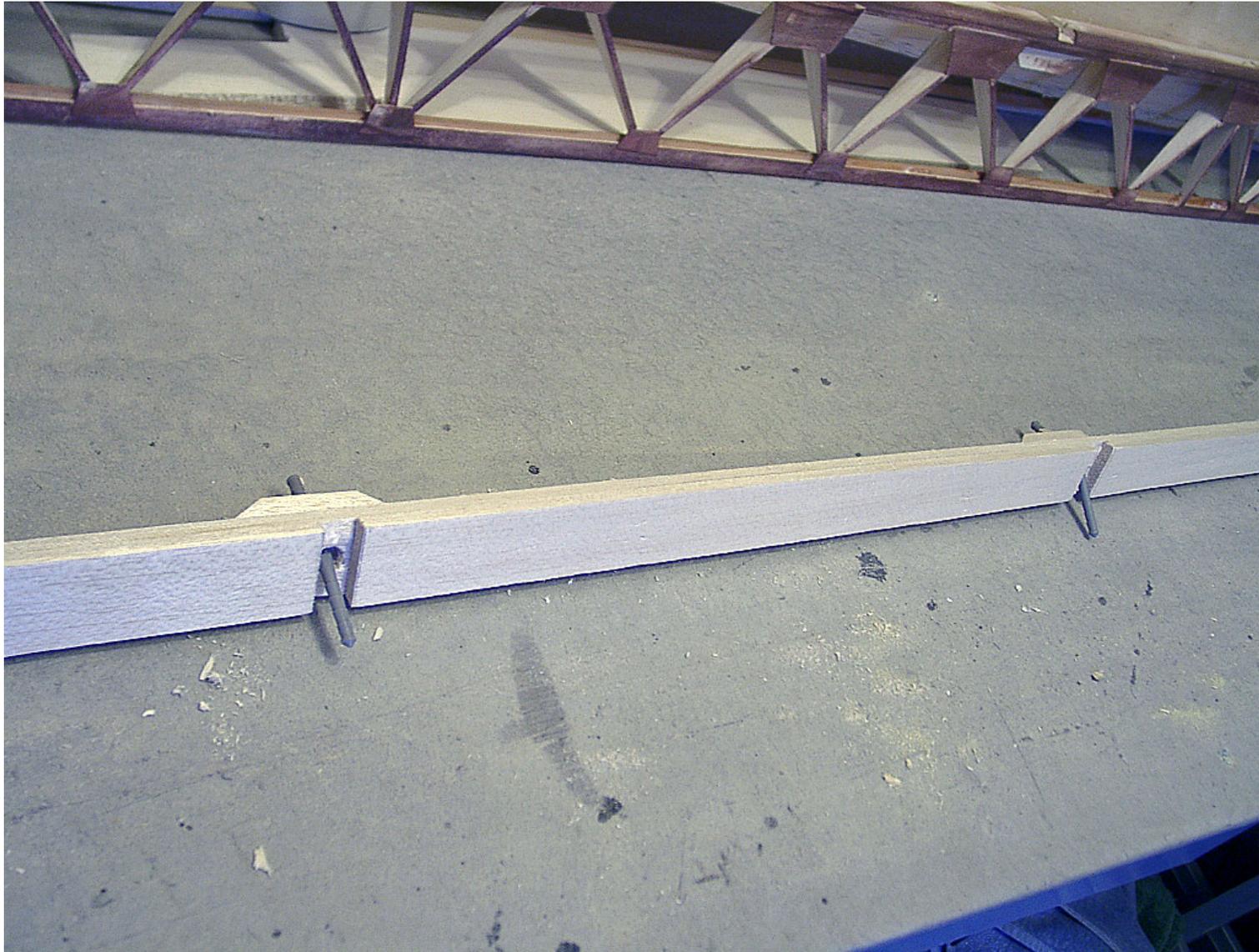
Time to make up the ailerons...

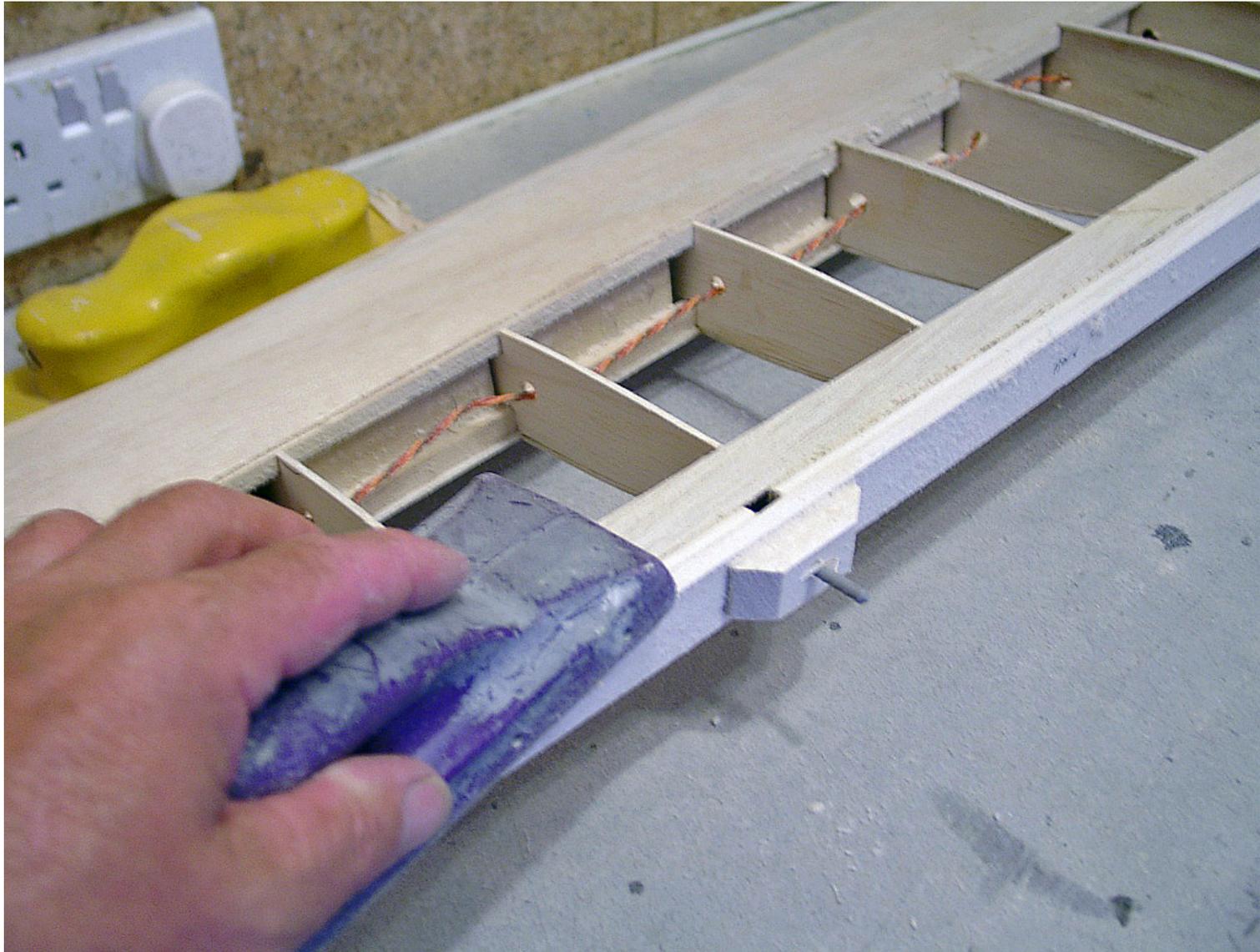
First, the aileron LE is made up from 2 lams of 6mm balsa sheet. The LE is then hinged up and attached to the wing. After sanding flush to the wing's upper and lower surfaces, it can be rounded off until it rotates nicely within the shroud.

The TE is added with the root rib and the remaining straight rib. The jiggig supports are spot cyano-ed to the bottom of the wing. At this stage the TE should be checked and adjusted if necessary until it is absolutely straight.

Then the diagonals can be added, checking all the while the straightness of the TE









Title: **Re: RHONSPERBER 3RD SCALE**

Post by **chris williams** on **01/27/14 at 12:51:03**

The airframe is just about complete...

A quick look at the drop-off dolly as made up by the Smallpiece Manufacturing Co. The shaft locates into a 10mm Ali tube in the skid. A servo releases the dolly after take off, whereupon it jams up. (Just kidding, only happened twice)

The TV aerals are sprung loaded to allow for catching in your coat when you lift the model up....





Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on **01/31/14 at 09:12:13**

Now for the covering and finish...





Title: **Re: RHONSPERBER 3RD SCALE**

Post by **chris williams** on **02/01/14 at 12:01:55**

The fuselage is covered with Solartex, leaving the compound curves at the nose bare, and also the concave areas around the wing fairing stubs on the fuselage. The edges are covered with copious amounts of 2-pack primer and flatted back to invisibility. The topcoats and trim colours are all 2-pack lacquer and paint..





Title: **Re: RHONSPERBER 3RD SCALE**

Post by **chris williams** on **02/03/14** at **02:43:47**

That's about it, then: here's a new video to sum up the whole project. Happy building...

http://youtu.be/82_ZmvAk10c











