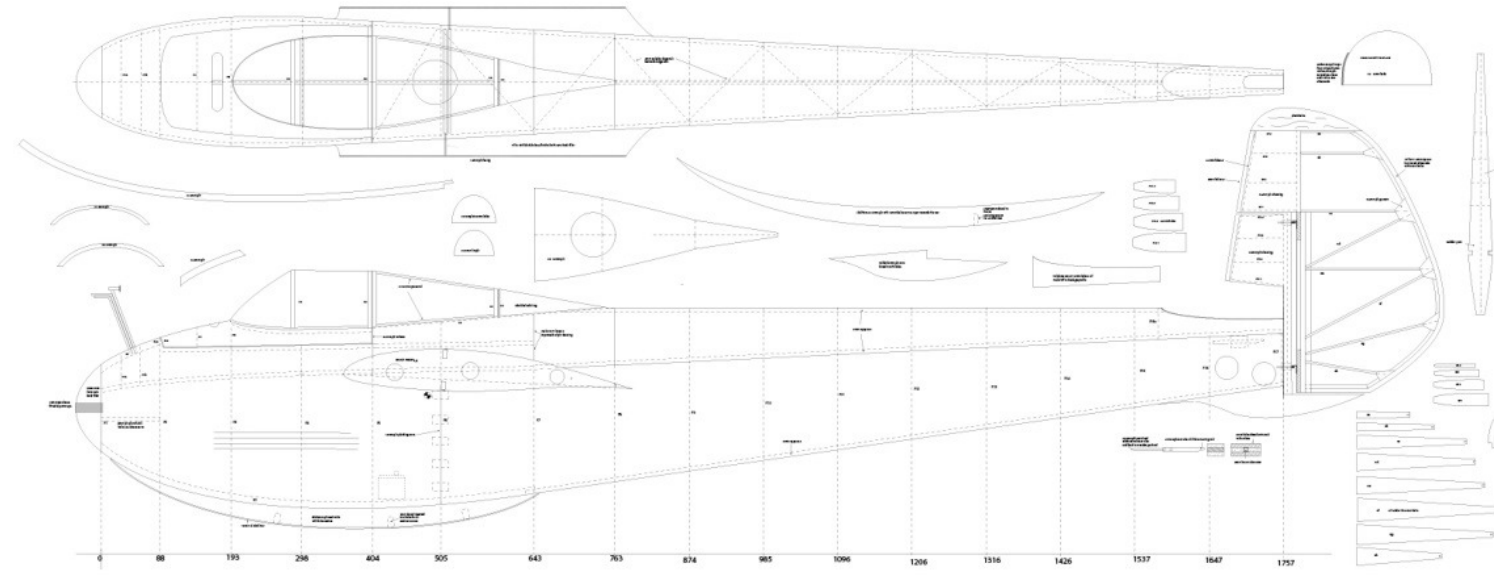


Having finally found time to sort out the Rhonsperber drawings, I thought I'd put them up for anyone fancying a classic German glider. The plans are almost completed, meanwhile, it's time to start the build, albeit retrospectively...







Title: **Re: RHONSPERBER 3RD SCALE**
Post by **swarrans** on 12/14/13 at 11:24:15

That looks really nice Chris. I wonder if I should try one of these wooden jobbies?!

Simon

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on 12/15/13 at 02:41:35

Remember that wet and windy day at MW earlier in the year, when your Salto disappeared into the clouds? The Rhonsperber flew too...

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on 12/15/13 at 02:48:55

The fuselage was build on the 'Bridson' but there's no reason a simple, flat wooden base won't do the job just as well. To that end the jigging supports have been drawn with both systems in mind. Of further note, although supports have been drawn for every former, subsequent experience has shown this to be overkill and I see no reason why J2, J4, J6, J8, J10, J12 & J14 shouldn't be left out of the equation....





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

Post by **chris williams** on **12/16/13 at 03:31:59**

Now the 1.5mm ply planking is applied to the front of the fuselage. This is applied in strips of three planks, each partially scored through the ply and cracked into the curve of the formers. Masking tape is an ideal medium to at once hold it together and at the same time apply some restraining force. The 6mm sq diagonals are added at the rear...





Title: **Re: RHONSPERBER 3RD SCALE**
Post by **Cliff Evans** on 12/16/13 at 09:56:11

Short Kit now available!!

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **VinceC** on 12/16/13 at 09:59:40

In that case - The plans are available

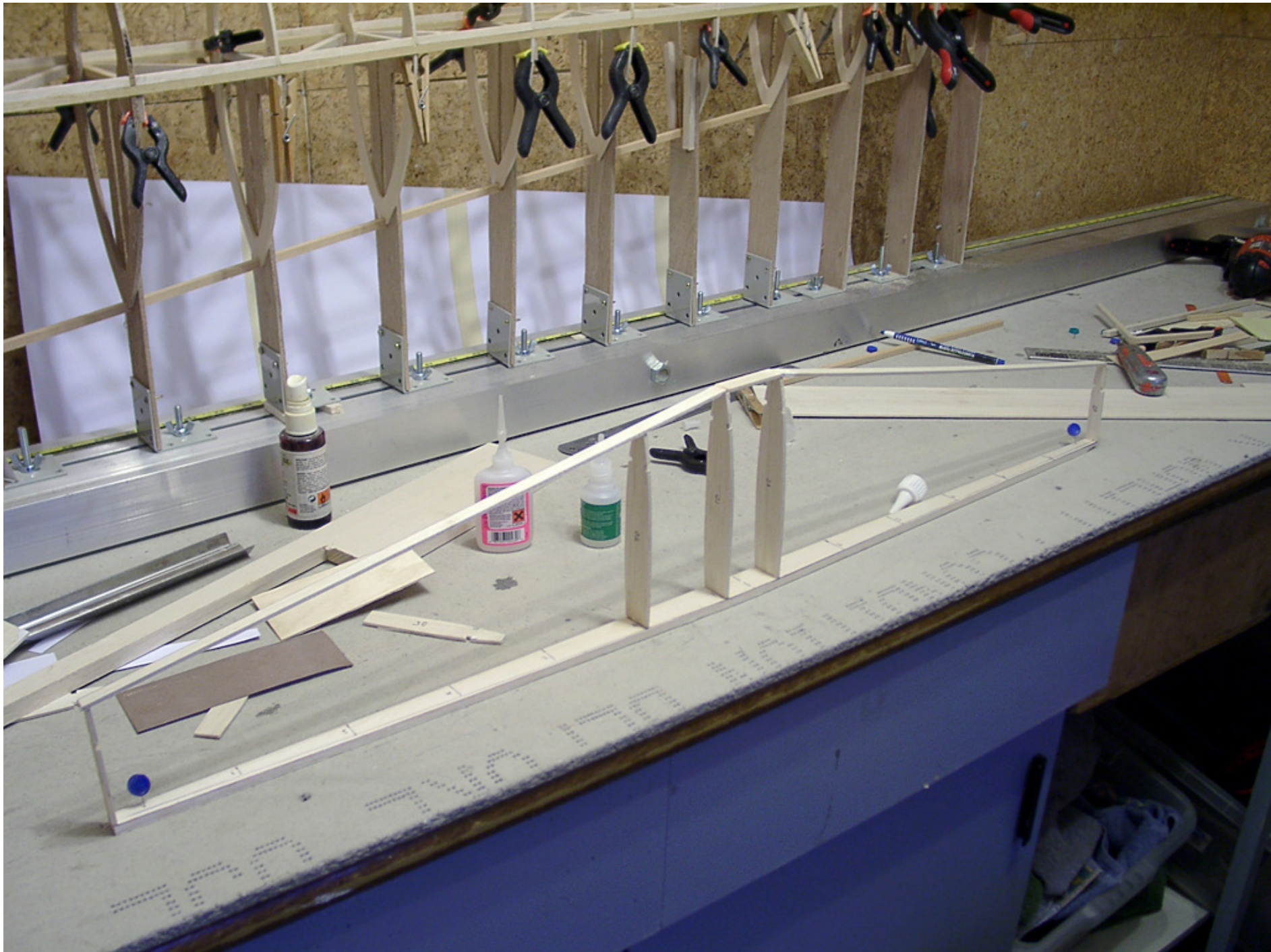
<http://www.scalesoaring.co.uk/VINTAGE/Documentation/Rhonsperber/Rhonsperber.html>

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on 12/16/13 at 14:37:50

Blimey, that was quick! Better get on and build her, then...

Time for the tailplane at this stage, as it will be needed to sort out the fuselage's rear end. The diagonals are for visual effect only, as they will be seen through the translucent covering at the end. Note that the tailplane on BGA is not a standard one, but off a Rhonbussard or similar..





Title: **Re: RHONSPERBER 3RD SCALE**
Post by **Barry_Cole** on **12/16/13 at 14:51:15**

Is that all you have done today??.

Our old Chris Williams would have had it done by now!!!

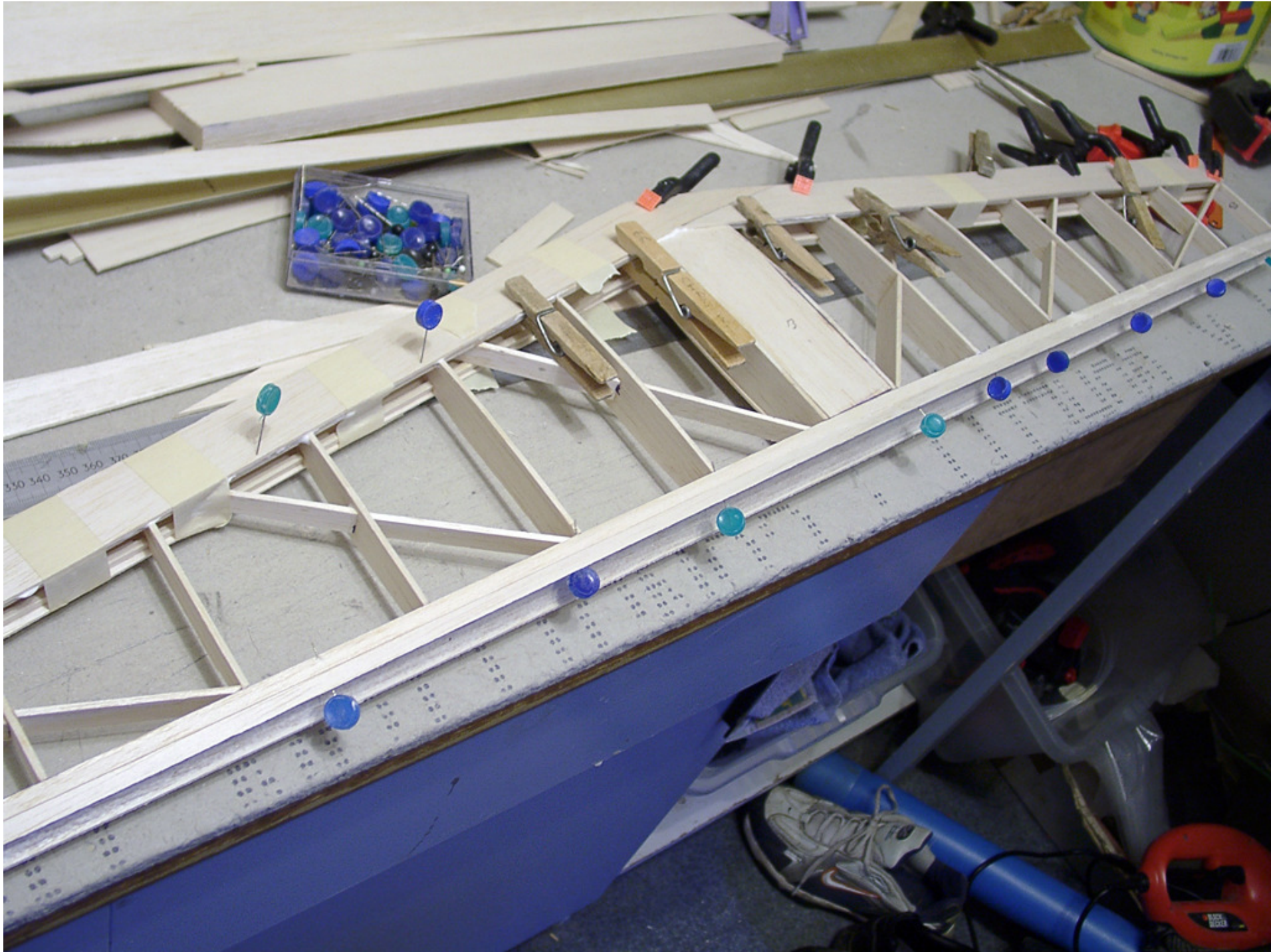
:D :D :D :D

BC

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on **12/17/13 at 13:57:25**

In the words of generations of Blue Peter presenters:
'this is one I made earlier'





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

Post by **chris williams** on **12/18/13 at 14:48:24**

Now the rear top of the fuselage can be sheeted with 0.8mm ply. First, a card template. Note that F7 is a little too narrow in places and needs slightly packing out. (This area has a slight compound curve, just to keep you awake) The 12mm balsa upon which the tailplane sits, is thus specified to allow the balsa to be sanded to the contour of the fuselage... The spacers are there to support the ply.





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

Post by **chris williams** on **12/19/13 at 15:30:11**

The complications of the curves here become obvious.

The tailplane is retained with one steel bolt and a locating peg at the front...





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

Post by **chris williams** on **12/20/13 at 13:16:34**

A start is now made to blocking out the little fairing to the rear of the cockpit. A handy little note to myself describes the deficiencies of the former underneath. The lower stringer has 6mm balsa added to it to increase the glueing area for the eventual ply sheeting. The tailplane is mounted...





Title: **Re: RHONSPERBER 3RD SCALE**
Post by **Espenlaub** on 12/20/13 at 14:30:26

Hello Chris,

really like it very much, wonderful!

Gruß
Hans-Jürgen

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **Espenlaub** on 12/21/13 at 04:13:55

VinceC wrote on 12/16/13 at 09:59:40:
In that case - The plans are available

<http://www.scalesoaring.co.uk/VINTAGE/Documentation/Rhonsperber/Rhonsperber.html>

Hello Vince,

who has made the wonderful photos of the original Rhoensperber?

Gruß
Hans-Jürgen

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **VinceC** on 12/21/13 at 06:12:44

Hi Hans-Jürgen, I am not too sure where they came from. I am just adding some extra photos from a collection that I took. They should be ready in about 10 minutes

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on 12/21/13 at 06:26:46

Thank you Hans/Jurgen & Vince...

With the fuselage off the jig the interior of the front/top of the fuselage can be glassed whilst there is still access...
The elevator starts like this...



Title: **Re: RHONSPERBER 3RD SCALE**
Post by **Espenlaub** on 12/21/13 at 06:37:36

VinceC wrote on 12/21/13 at 06:12:44:

Hi Hans-Jürgen, I am not too sure where they came from. I am just adding some extra photos from a collection that I took. They should be ready in about 10 minutes

Hello Vince,

I ask only because I on occasion a few photos in a higher resolution for a publication would have there may need. But still has time to Rhoensperber must first draw yet

Gruß
Hans-Jürgen

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on 12/22/13 at 08:15:39

The elevator hinges are housed in 9mm dowel, wrapped with masking tape to prevent splitting. The elevator, which is slightly over-size to the tailplane is hinged up ready to be sanded flush...







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

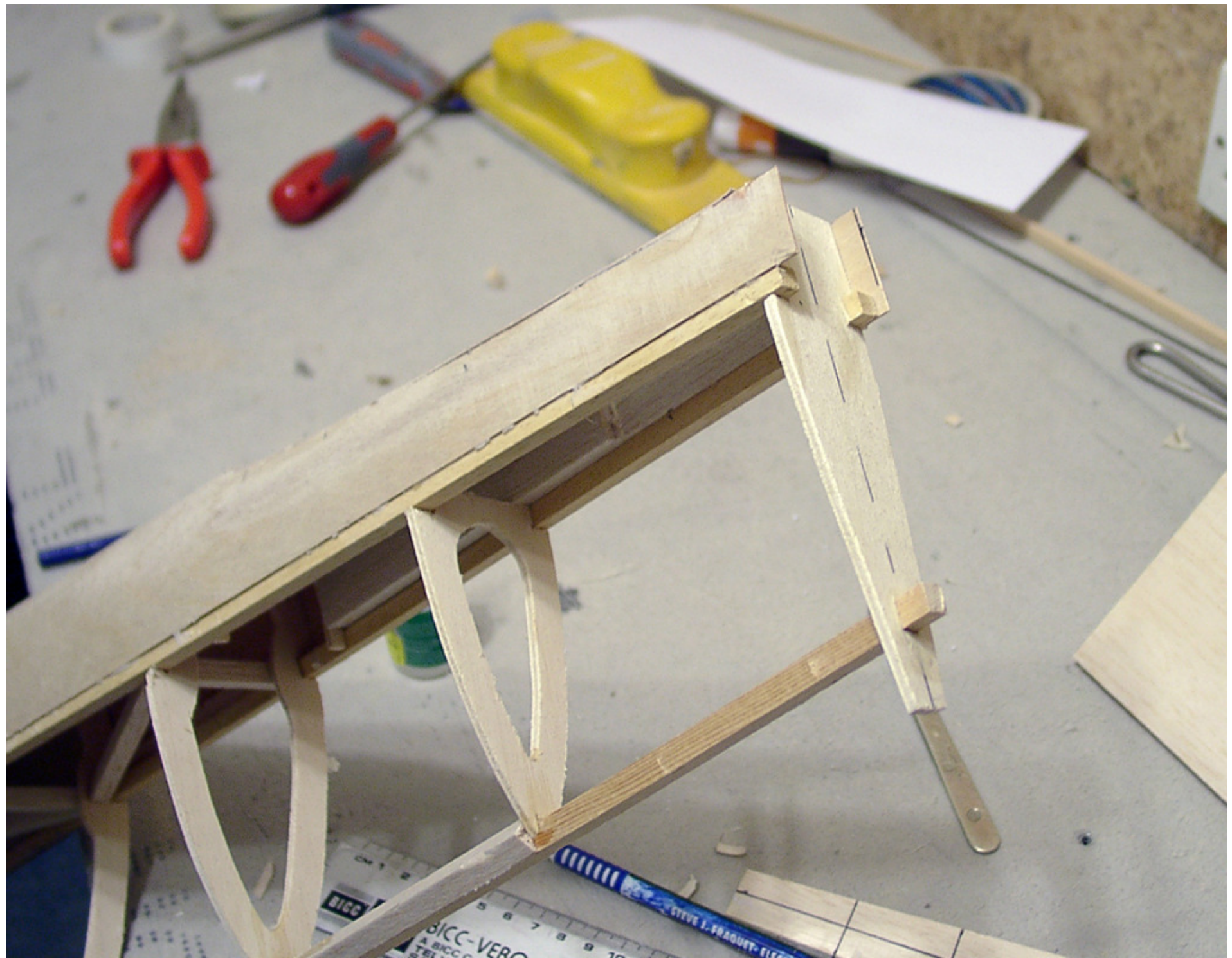
Post by **chris williams** on **12/23/13 at 11:47:59**

Elevator sanded flush with tailplane, prior to rounding off the LE.

Fin time now...Rear of fuz ready for some trimming

Adding ribs and LE to fin





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

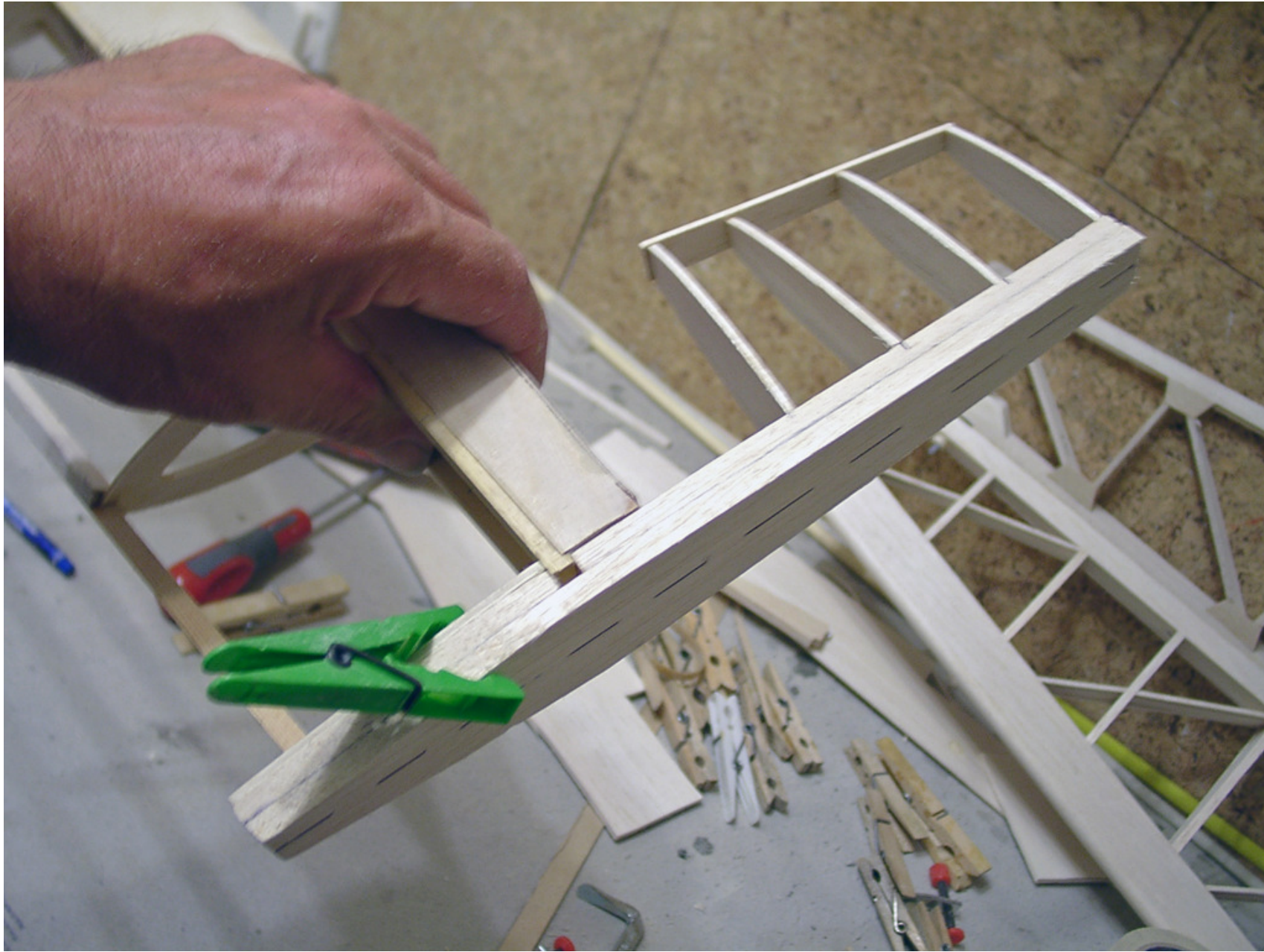
Post by **chris williams** on **12/24/13 at 06:33:55**

Checking the fit of the fin to the fuselage

Finishing off the 1.5mm ply planking to the front of the fuselage

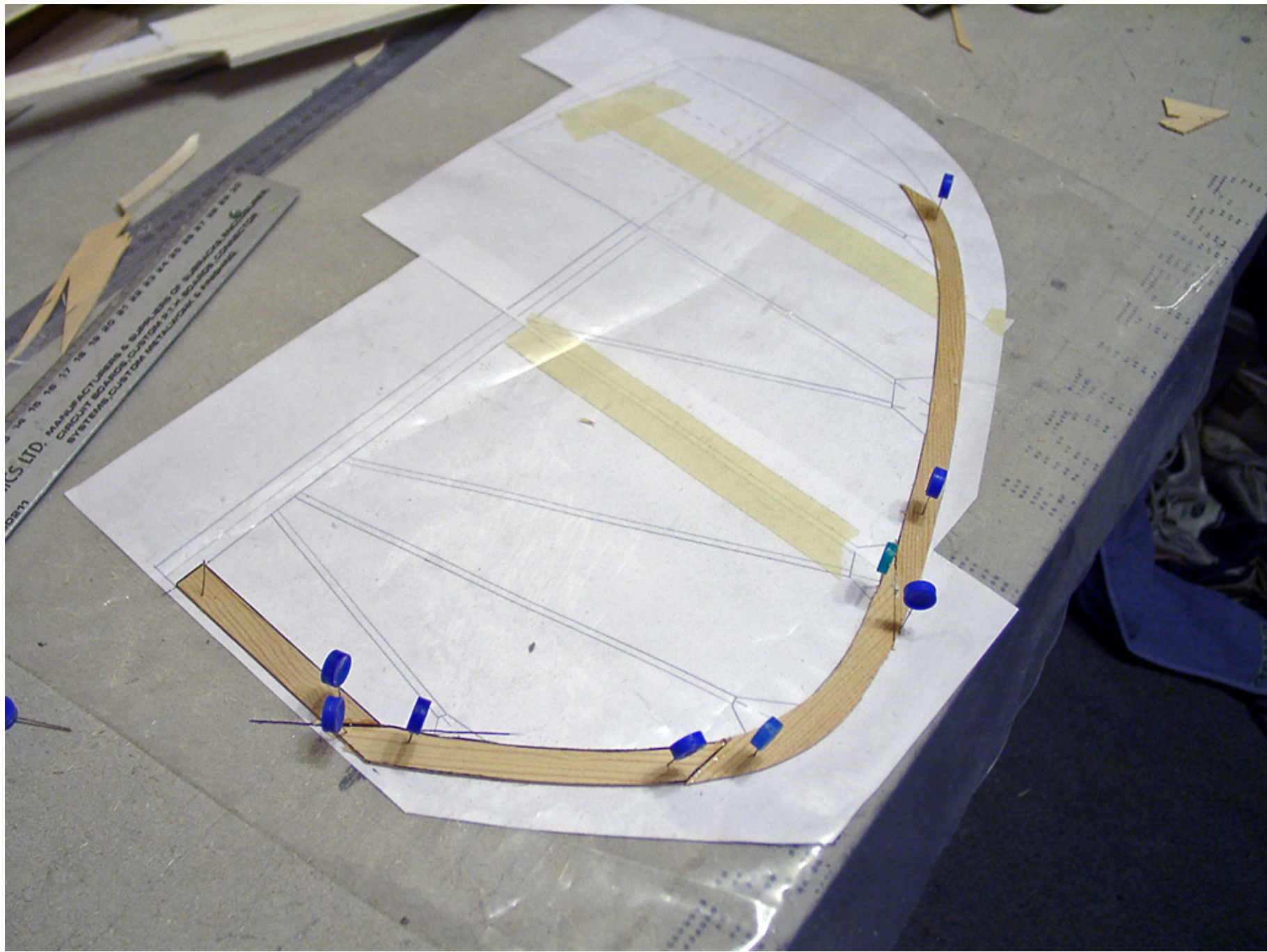
Laminating the rudder TE















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

Post by **chris williams** on **12/27/13 at 03:20:40**

Continuing to build up the rudder. The hinge is an MPX threaded ali horn set in a 9mm dowel.





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

Post by **chris williams** on **12/28/13 at 13:29:43**

A bit of work at the other end...

The planking is partially secured internally with some preliminary strips of glass cloth and poly resin.

Then, a first skim of auto body filler is applied to the outside...





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

Post by **chris williams** on **12/29/13 at 15:16:27**

With the planking thus fortified, the temporary internal formers can be removed so that the interior can be glassed. (These days I find wing-joining tape even more suitable for the job)

Empennage now nearly complete





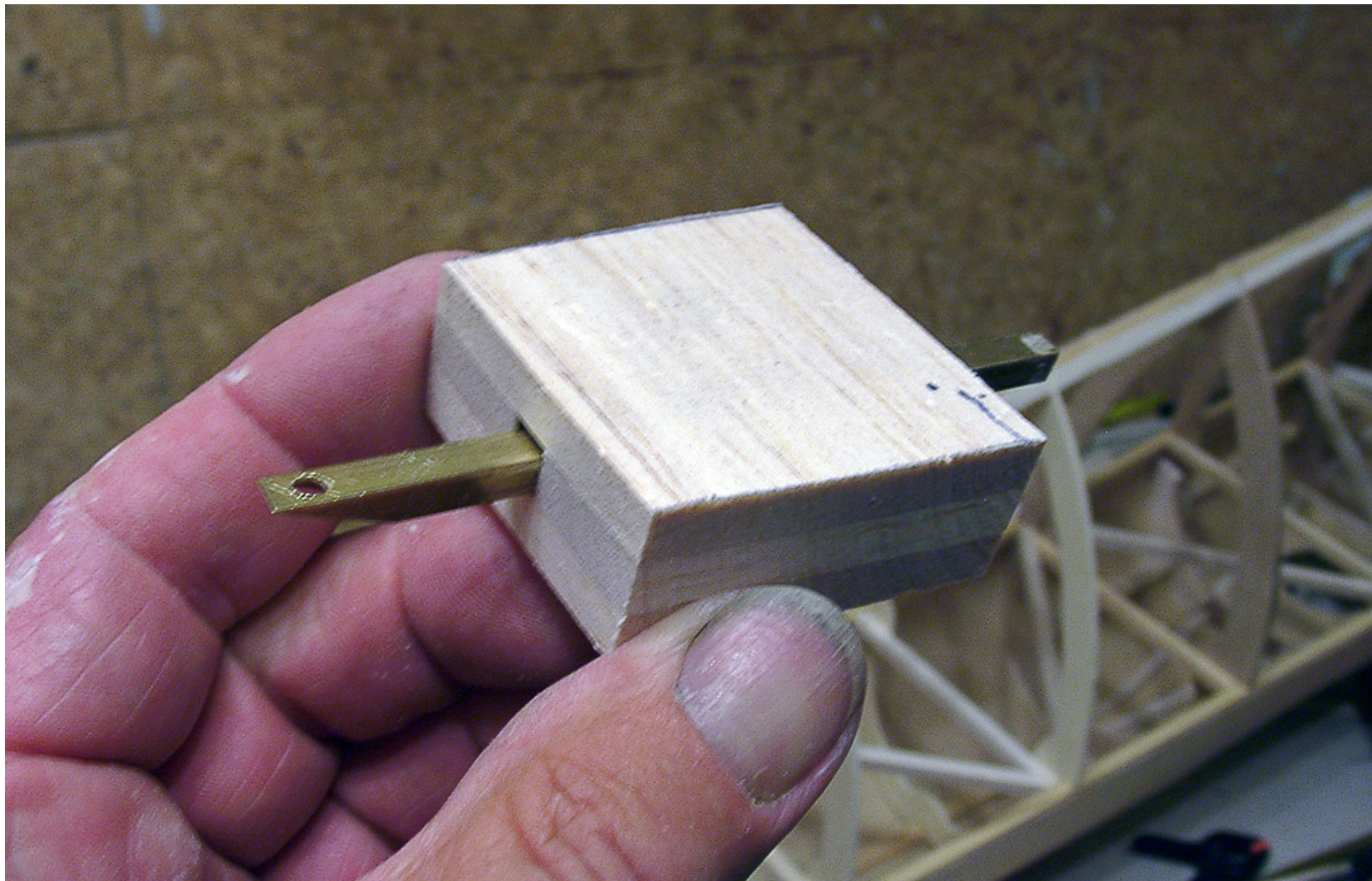
Title: **Re: RHONSPERBER 3RD SCALE**

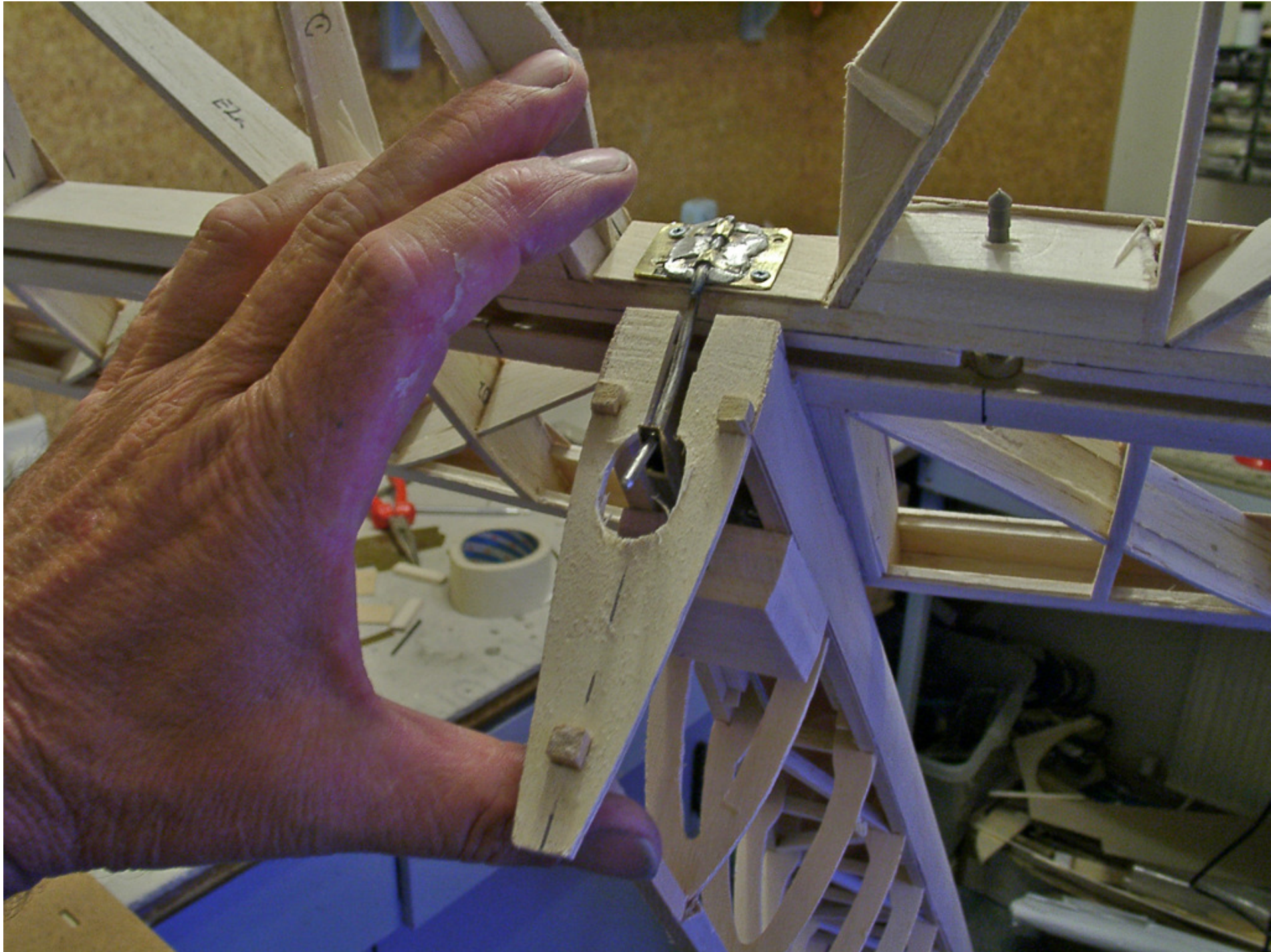
Post by **chris williams** on **12/30/13 at 15:49:25**

My usual sliding square tube arrangement for elevator actuation. The inner tube is two sizes smaller than the outer to prevent binding. The fin post is recessed to allow full up elevator movement...









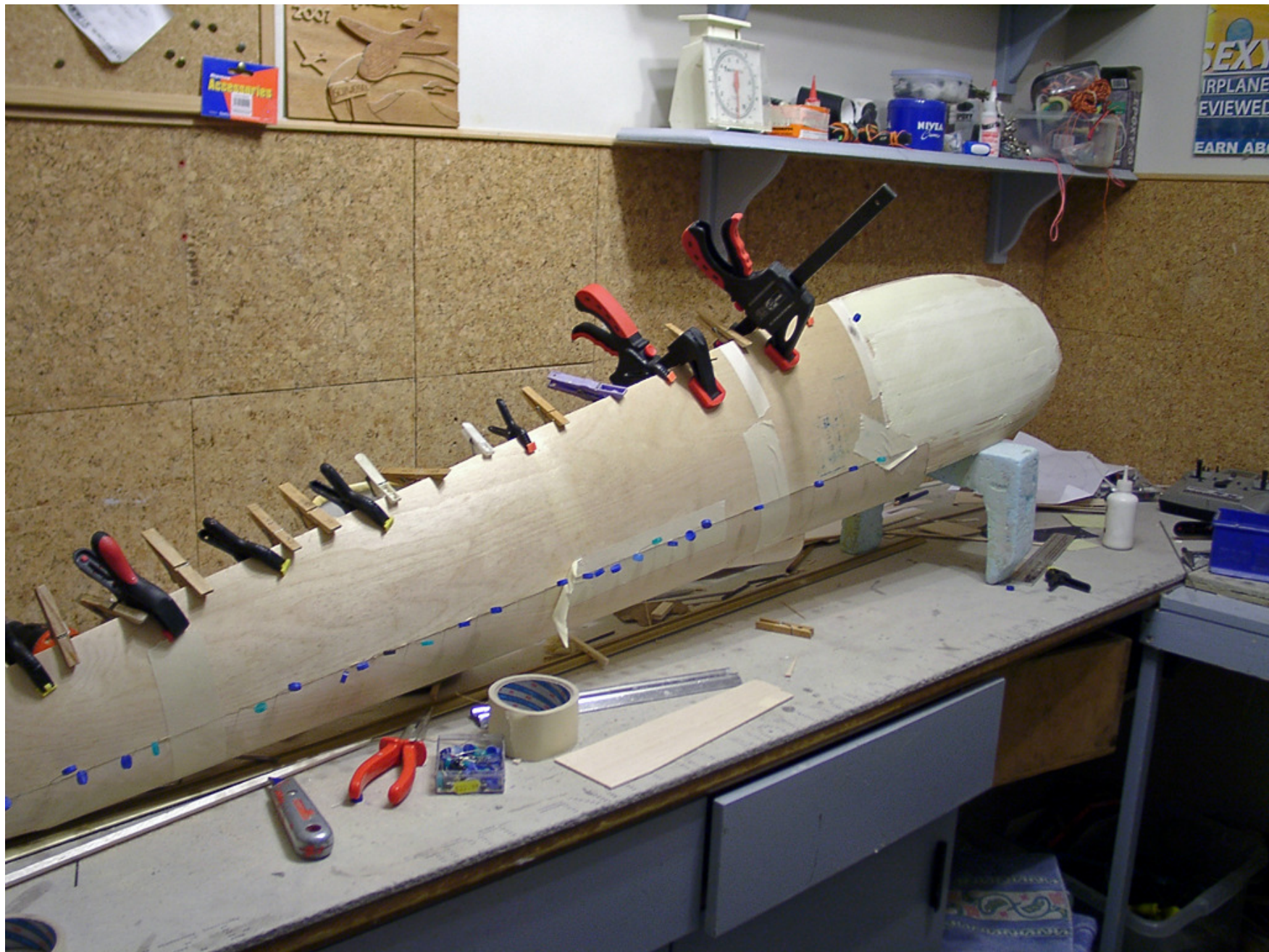
Title: **Re: RHONSPERBER 3RD SCALE**

Post by **chris williams** on **01/01/14 at 11:14:02**

Time to close off the rear of the fuselage. For those that wonder why I never do the scale panelling, my models are designed for arduous slope landings. Panelled fuselages might be liable to strain at the joints during one of my landings. Fuselages built my way are as close as you can get to being armour-plated, and are completely hangar-proof too ;)

It's also time to get as much weight as possible up front...







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

Post by **chris williams** on **01/03/14 at 04:01:35**

A quick view of the rear end before the fin is permanently attached.

Making up the wing joiner box & fitting it in the fuselage









Title: **Re: RHONSPERBER 3RD SCALE**
Post by **Richard A** on **01/03/14 at 16:29:26**

Hello Chris. The joiner assembly looks like 3mm balsa spacers around the brass boxes with 1.5mm ply facing plates - all longitudinal grain. Is this correct?

Richard.

Title: **Re: RHONSPERBER 3RD SCALE**
Post by **chris williams** on **01/03/14 at 17:01:39**

Got it in one, Richard... ;)