

Hackberry Heckler
XLIV
April 2023
Hackberry Men's Shed,
Carleton Place, Ontario.

***** FIELD REPORTS *****

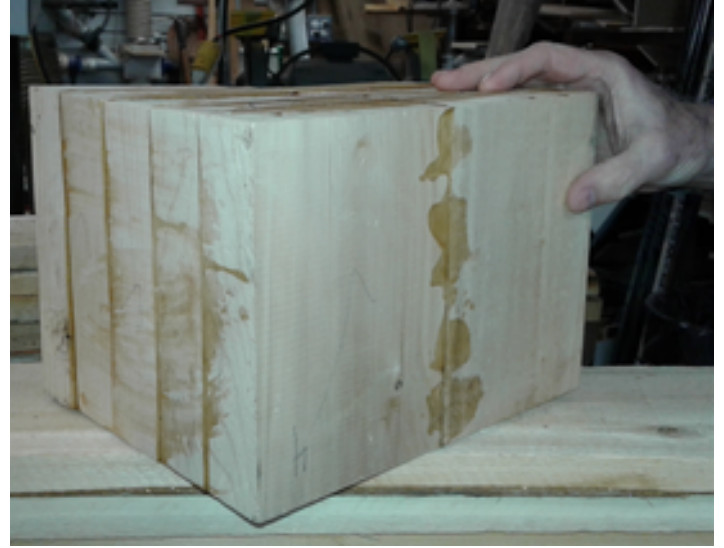


A couple of photographs from Earth Day at the Market Square. Our table top had a few bits and pieces including Camel jigs, guitar parts and some of Mark's knives. Adrian brought along a microwave oven which he had modified to make an incubator for pterodactyl eggs, or whatever biological experiment he has on at the moment! (Wingspan up to 36 feet ...) (Nice coffee and a green Earth cookie)

***** PROJECTS *****

Fokker DR1 - A grey folder at the shed contains the latest drawings for our 1/2-scale model. The PROJECT BOX marked Fokker also has master templates for the wing and undercarriage ribs, a prototype propeller and some engine parts. **Ross** has made a start on the crankcase but that

doesn't mean he has to do all nine cylinders if wood turning was on your bucket list! Ribs are all 3/8" wood and need two or three alignment holes before you go trimming them.



***** TOOLS *****

Geoff writes: I always found that using a properly sharpened hand plane or chisel was very pleasant and satisfying to use and can result in a nicely finished job. He had noticed that the planes and most of the chisels in the shed were virtually unusable, the chisels seemed to have been used as scrapers or screwdrivers and the planes used to prop the door open.

1. Grinding and Honing Angles

Plane blades must be ground to 25° and honed at 30° this is so that the cutting edge makes the correct angle to the wood when the blade is in the plane. The plane blade honing guide that is in the honing stone kit in the white cupboard has a very easy to use angle setting gauge. Chisel blades should be about the same angles but it is less critical.

2. Grinding Procedure

If the blade needs grinding to 25° there is an accessory on the bench grinder to do this accurately. Care must be taken to avoid overheating the edge of the blade as this will anneal the edge, making it useless for woodworking. Frequent dipping in water is required to keep it cool.

3. Honing Procedure

The honing kit consists of 4 grades of water stones and must be watered all the time they are being used. It is recommended that the stone be soaked in water before use but regularly pouring a little water on to it is OK. N.B. Always use the full width of the stone otherwise you will wear a hollow in the surface which will result in an out of flat plane blade.

Hone plane blades using the honing guide set to 30° keeping

moderate pressure towards the edge of the blade checking to see when a good edge is achieved. Use the coarse stone initially and fine to get an optimum edge.

Hone chisels by holding it so that the 25° ground surface is flat on the stone then raise it slightly to give approximately a 30° honing angle. Hone using the full width of the stone.

Never hone an angle on the flat side of a blade - this will result in a 60° cutting edge instead of 30°, after honing the angled side, deburr the flat side by holding the blade flat on the stone and rub it on the stone a few times.

Clean and dry the blade and clean the stone and put it back into the kit.

PUT THE KIT BACK INTO THE CUPBOARD

4. Setting A Plane Blade

The chip breaker screw head is inserted into the hole in the blade, this should be done with the breaker at right angles to the blade to avoid damaging the edge. For planing softwood the chip breaker should be set 1/16" from the blade edge or 3/32" for hardwood and the screw well tightened. Fit it into the plane and latch the toggle, adjust the blade height until it is slightly above the base and level it using the lever then adjust the blade for the desired depth of cut.

*ALWAYS PUT A PLANE DOWN ON IT **Ross** S SIDE AND CHISELS FLAT SIDE UP.* This is to avoid damaging the sharp edge.

If you have a plane blade that needs a lot of grinding before honing this should be done using a water grinding wheel. Call Geoff on 613-257-6056 to get this done.

The **Planer** was chewing out the start of the wood. This generally means the front apron isn't horizontal. The photograph shows the gap with a square edge clamped down on the planer base. There are two set screws under each apron which needed to be loosened **Ross**d, raised and locked again to make right. Lot of leverage on the aprons so please play nice.

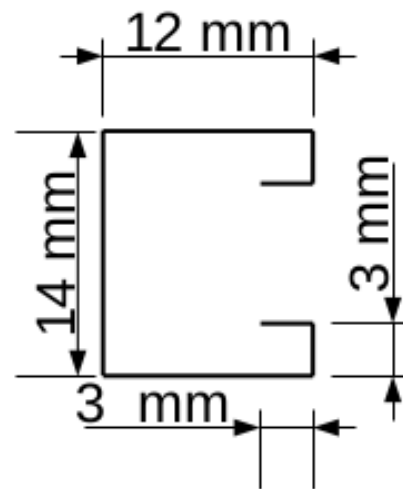


Scroll Saw – another discombobulated item found at the shed was this top head of the scroll saw needing a new spring held in by a new wire clip. The clamping lever at the

bottom was found on the FLOOR but Tim's magnet didn't find 'out else. There was no NOTE as to the why and wherefore!



This assembly is strong enough to clamp an oscillating blade but still deserves a bit of care and adjustment. A thicker blade might need the lower bolt to be opened to move the clamping jaws out a hair. The small spring came from my workshop's 'stock', while the clip was fabricated from a short length of spring wire. The drawing below shows the approximate dimensions should the occasion arise!



***** FACILITIES *****

*** MISCELLANEOUS ***

Doug dragged an old chest of drawers into the shed of late which when he started to pull it to pieces turned out to have square nails. We now have a selection of large, medium and small if you were going to work on something antique! Many looked as good as the day they were hammered in, others rusty and argumentative!



Some of the interesting items picked up during cleanup duty while crossing the Mississippi River on McNeely:



The piece of suspension is 21 x 2 x 3/8", the nail 3.5".

*** MEMBERSHIP ***



<http://www.mensshedsontario.ca/>

It has been a couple of months since I offered an update from Men's Sheds Ontario. Some interesting things have developed in the Canadian world of Shedding since then.

The Board of Directors of *Men's Sheds Canada* and the leaders of four Provincial Associations have been meeting to see how best we can work together to support Sheds across the country. And since Shedding is a grassroots, bottom up organization, we have agreed that the first thing that needs doing is hearing from individual Sheds to learn what kind of support is needed/wanted by Sheds. Expect some sort of survey in the months ahead.

Closer to home I can report that there is a new Shed in Burlington and Sheds are being formed in the Upper Bruce

Peninsula and in Brantford. Darrel O'Shaughnessy of the Arnprior Shed has made a very effective presentation to the Renfrew County Council on behalf of MSO and has been promised full County support to all Municipalities in that County who wish to form a Men's Shed. MSO is also scheduled to make a presentation to the Hamilton Suicide Prevention Community Council which, it is hoped, will see that group working with MSO to form a Shed or two in Hamilton. The more Sheds there are in the Province, the stronger is our network and the stronger is our voice when speaking to other Provincial organizations.

In closing, I want to thank David W. and Doug J. for presenting the Hackberry story to the other Sheds at the March MSO All Ontario RoundUp. A job well done and **Ross** much appreciated. J.P.

*** WEB ***

Everything you ever needed to know:
http://aircraftinvestigation.info/airplanes/Fokker_Dr.I.html

Into Scotland's Last Wilderness | 4 Days in The Rough:

<https://www.youtube.com/watch?v=GFEJUdyOKek>

Katherine hardly understands a word this guy says but that hardly matters after you reach minute 24!

*** ARCHIVES ***

The Heckler April 2021 has a photograph of the shed sign which **Paul C.** Had recently put back in-place after a serious bit of TLC. The saw blade was found in Victor woodlot, and **Al** had cut out the original letters.

*** CORRECTIONS AND CLARIFICATIONS ***

With thanks to those who've seen fit to send in photographs, articles etc.

se non è vero, è ben trovato
3.66 1.8, 2.5



This just in from **John P.** Using a drawing created from the following shot of a layered Fokker propeller. The scale is 1:4, so this prototype blade is around 6" long which he cut from an old wooden window blind giving 1/8" layers.



The next operation will be a full size assembly using nine layers for a 2.81" hub each approximately 0.312" thick or 5/16" That's likely as thin as our planer is willing to go!

