

Assembling the ASHFORD SCHOLAR Spinning Wheel

Before commencing each step, read instructions and identify parts.

SCREWS rubbed with soap or wax will fit easier.

All timber is KILN DRIED and because of possible climatic conditions, it is important to "seal" (apply a finishing surface) as soon as possible.

This improves appearance and prevents grease marks from wool.

APPLY FINISHING SURFACES BEFORE ASSEMBLING.

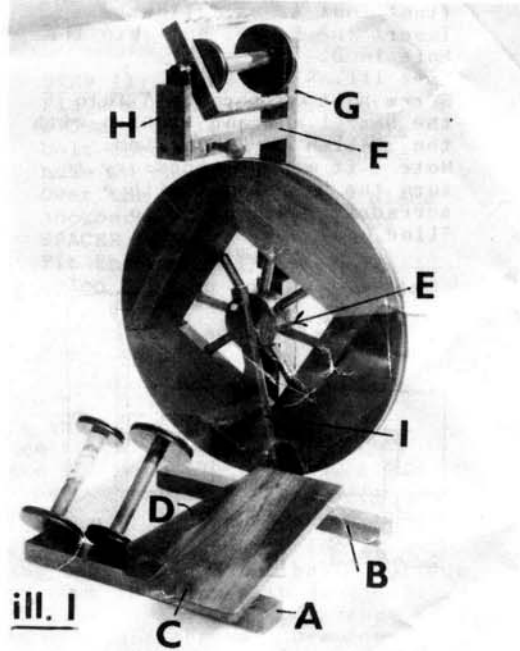
Smooth all surfaces with garnet paper provided. Brush off dust.

New Zealand Silver Beech timber varies in colour - but if you prefer, a medium to dark stain usually covers the variations.

We recommend an oil stain followed by several coats of poly-urethane.

Use a very fine sandpaper to rub down surfaces between coats.

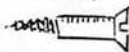
ALTERNATIVE FINISH - rub linseed oil into surfaces and polish with a wax polish.



ill. 1

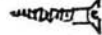
STEP 1.

Secure RUBBER PADS on underside of feet rails A and B, 25 mm from ends. (See ill. 1)

Use this size screw - 

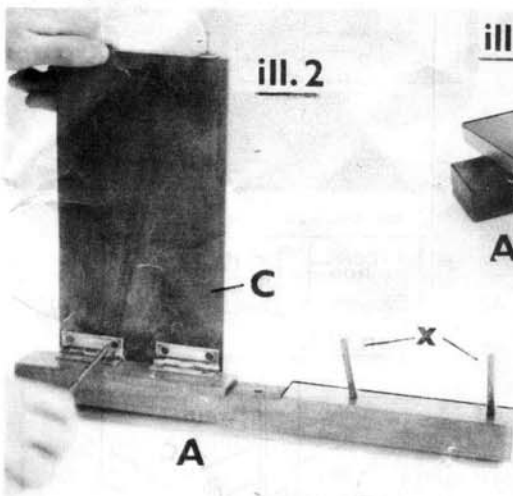
STEP 2.

Hinge foot A to treadleboard C with two hinges. Two lead holes are bored. (See ill. 2)

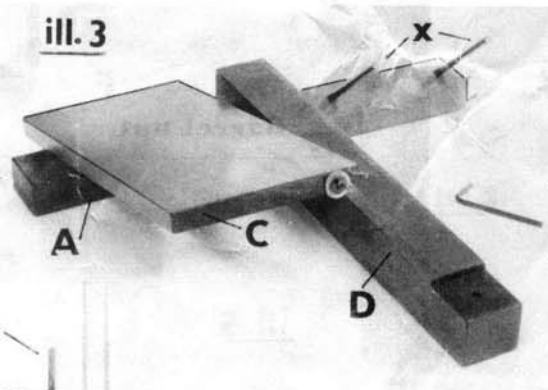
Use this size screw - 

STEP 3.

In the front of foot A, tap in the two bobbin holder metals. (See ill. 2 and 3)



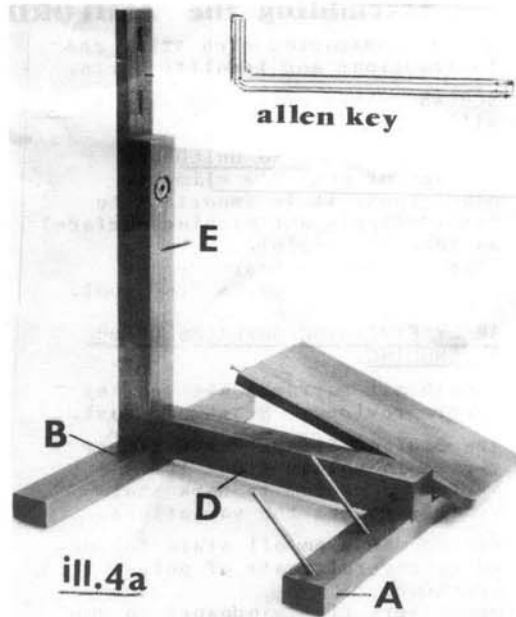
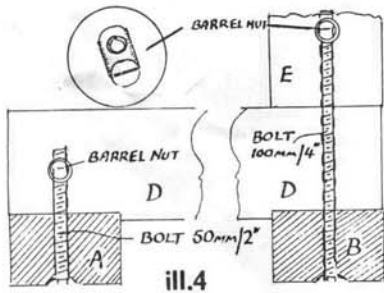
ill. 2



ill. 3

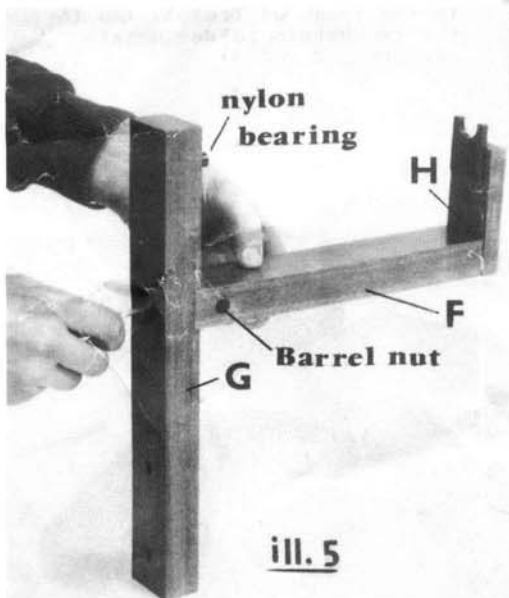
STEP 4.

The base rail D is fixed to the front foot A as follows - Insert the barrel nut into the hole in D. (See ill. 4 and 4A) Screw bolt up through A into the barrel nut and tighten with the "Allen key" supplied. Note - it may be necessary to turn the barrel nut with a screwdriver, in order to "line up."



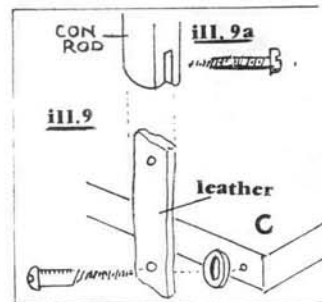
STEP 5.

Fix back foot B in a similar way, (see ill. 4A) but add the upright E.



STEP 6:

Fit the Maiden Bar F (see ill 5) to upright G using 50mm bolt and barrel nut. Tighten with "Allen Key"

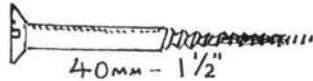


STEP 7:

Tap the long nylon bearing into the hole in the top of frame G. The FLYER turns on this bearing (see ill. 5)

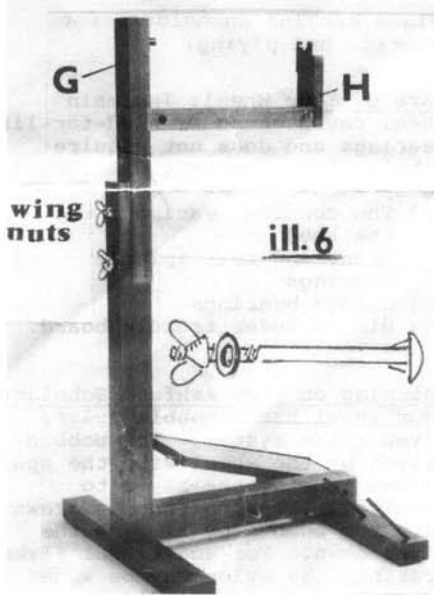
STEP 8:

Secure the front flyer support H to the Maiden bar with 40mm screws.



STEP 9:

Bolt the TOP ASSEMBLY to the frame (the frame is shown in ill. 6) - secure with 2 carriage bolts and wing nuts and washers, to the rear.



STEP 10:

Illustrations 7 and 8 show the assembly of wheel and con rod.

STEP 11:

Place washer over the bolt (70mm / 2 3/4"). Push this bolt through the off-centre hole in the hub. Over the protruding end place another washer followed by SPACER (22mm / 7/8"). Fit the con rod, keeping nylon bearing to the outside.

Secure with another washer and dome nut.

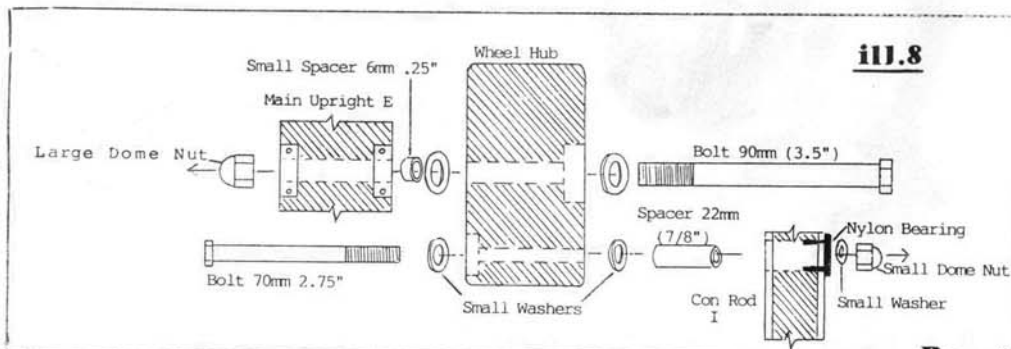
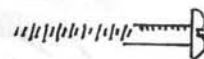
STEP 12:

Fit the wheel to the frame. (see ill.8)
Take the bolt (90mm/3 1/2 in), place washer over bolt and push through hole in centre of hub. Place another washer on bolt followed by the spacer (6mm/1/4 in), pass bolt through the ball bearings and lock in place with dome nut. As there is a slight tolerance between the bolt and the ball bearings, wheel wobble can be eliminated by re-tightening the nut with wheel in different position.

STEP 13:

Secure the leather to the treadle-board with a round-head screw. (See ill. 9)

Use this size screw

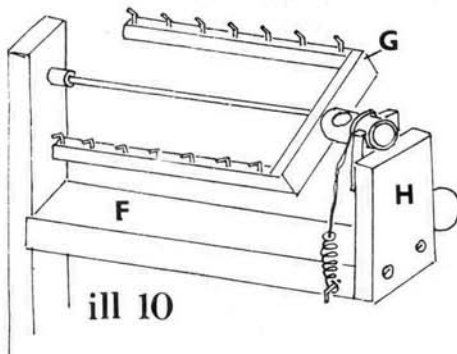


STEP 14.

Screw the square hooks into the flyer. Set the arms of the hooks parallel with the flyer arms, as this will prevent the wool coming off when spinning.

STEP 15.

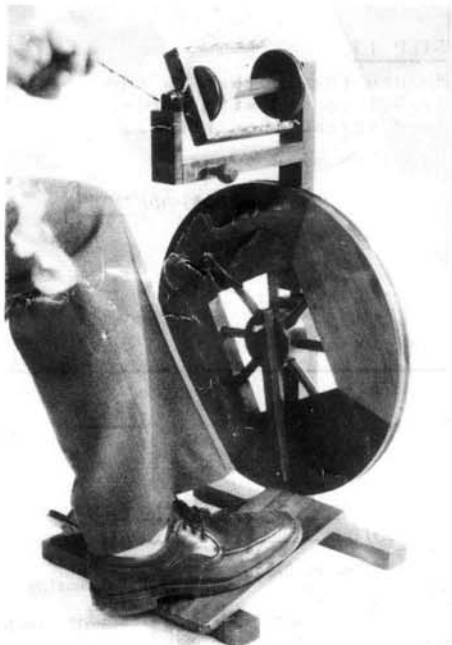
Put bobbin on flyer. Click-in, front of flyer, to hold in place.



ill 10

STEP 16.

With TOP ASSEMBLY resting at the base of slots (see wing nuts ill.6), tie cotton driving band around the wheel and in groove of bobbin. Adjust tension by moving TOP ASSEMBLY upwards.



STEP 17.

Screw 2 square hooks into the sides of Maiden Bars F. (See ill.10) Both lead holes are bored.

STEP 18.

Tie the spring to the nylon thread and place spring on hook at left. Carry thread over groove in spindle, in front of hook on right and tie to tension knob by threading through the small holes provided.

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SPINNING ON THE SCHOLAR WHEEL

To spin faster reverse the bobbin with the small end above the drive wheel. The drive belt tension is adjusted by loosening the wing nuts and lifting the top frame and retightening the wing nuts.

Place bobbins on holders for storage and plying.

Care of Your Wheel: The main wheel revolves on "sealed-for-life" bearings and does not require lubrication. However oil should be applied to.

- (a) The con-rod bearing (near the hub)
- (b) Front and rear spindle bearings
- (c) Bobbin bearings
- (d) Hinges under treadle board.

Spinning on your Ashford Scholar:

Your wheel has a bobbin drive, flyer brake system. The bobbin is driven by the wheel with the spun thread causing the flyer to revolve. The spun yarn is drawn onto the bobbin by slowing the flyer down. For additional flyer braking, the nylon may be wound twice around the spindle.

Use the tension knob for braking the flyer speed. Normally the spring need only extend 6mm (.25") to give sufficient braking. Spin one ply with the wheel spinning clockwise. Ply 2 single yarns together with the wheel spinning anti-clockwise.

Refer to the Learn to Spin booklet for further information.

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