

ASSEMBLY INSTRUCTIONS FOR THE ASHFORD INDIAN SPINNER

Sealing The Timber of your Indian Spinner

Ashford Indian Spinners are made from kiln dried timber but due to possible climatic changes it is important that on arrival the timber surface is sealed. This improves its appearance and protects the wood from absorbing grease from wool.

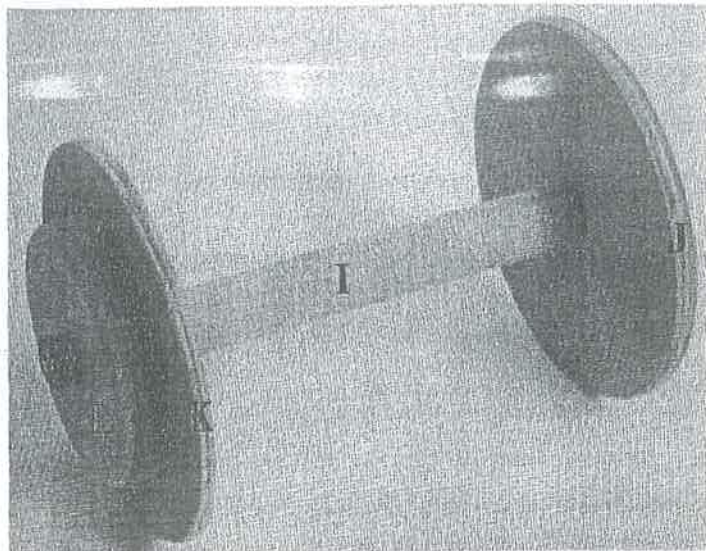
First use the garnet paper to smooth the wood, then brush off dust. Then apply the sealer before assembling.

Silver Beech has a delightful variety of colours, but if desired a medium to dark stain will cover any differences. We recommend the following sealers.

- Any clear vegetable oil may be brushed on to the wood to give a natural finish. Repeat this process as required to maintain colour.
- A french polish may be applied with brush or pad.
- Any stain followed by several coats of polyurethane or lacquer.
- Consult your paint dealer for further information or alternatives.

List of Parts

A Wheel	H Flyer
B Front Frame	I Bobbin Centre
C Rear Frame	J Bobbin End 12mm ($\frac{1}{2}$ ")
D Wide Spacer Rail	K Bobbin End 9mm ($\frac{3}{8}$ ")
E Narrow Spacer Rails (2)	L Bobbin Pulley
F Treadle Board	M Tension Knob
G Con Rod	2 Packets of Hardware



Glue Instructions:

Mix glue supplied with water (21°C or 70°F) at the rate of 2 parts glue to 3 parts water. Stir briskly until thick and even. Allow to stand for 10 minutes and stir again before using.

Important:

Wipe surplus glue away immediately with damp cloth to prevent staining.

General:

Read each step right through before commencing. Wax or soap rubbed onto screws will make assembly easier.

Assembly:

Step 1. Glue the Bobbin End 9mm ($\frac{3}{8}$ ") K tightly against the flange of the Bobbin Centre I which has the longer projection. Then glue the Bobbin Pulley L to both the Bobbin End 9mm ($\frac{3}{8}$ ") K and the Bobbin Centre I keeping the groove to the outside.

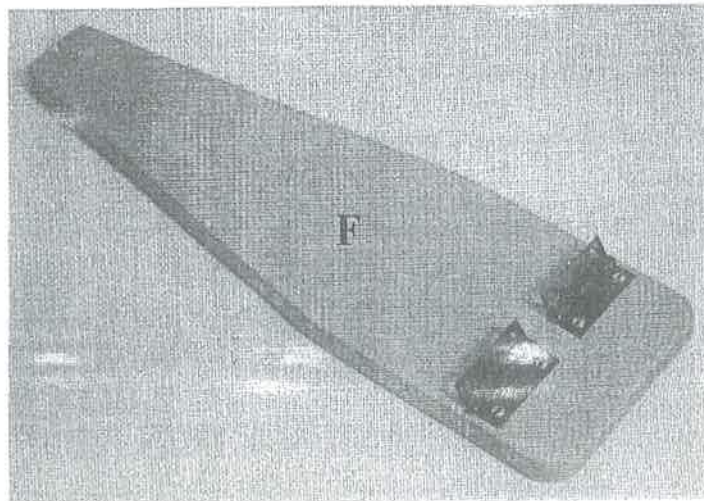
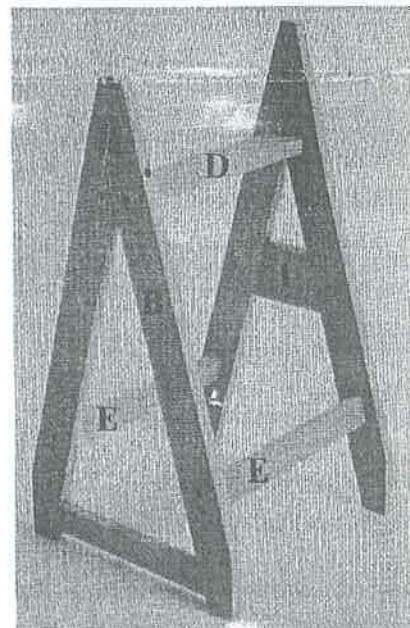
Step 2. Glue the Bobbin End 12mm ($\frac{1}{2}$ ") J tightly against the flange of the Bobbin Centre I on the other end.

Step 3. Secure with long screws the two Narrow Spacer Rails E and Wide Spacer Rail D to the Rear Frame C keeping the flyer spindle bearing to the inside.

Step 4. Secure the Front Frame B to the Spacer Rails in the same manner keeping the lead holes for the Treadle Board hinges to the outside.

Step 5. Secure the hinges to the Treadle Board F with small screws keeping the loose flap to the inside.

Step 6. Secure the Treadle Board F to the Front Frame B also with small screws.



Step 7. Locate the Leather Connector in the Connecting Rod G slot and secure using a 15mm ($\frac{5}{8}$ ") screw. Then using a 50mm (2") screw join the Leather Connector to the Treadle Board F keeping the Connecting Rod Bearing facing away from the Rear Frame.

Step 8. Locate connecting rod pin with nut at the end of the thread through the Wheel A and secure with a washer and nut.

Step 9. Place Wheel Axle through the Rear Frame B and secure with square washer and wing nut. The vertical adjustment is for belt tension.

Step 10. Place Wheel A on axle and secure with a split pin.

Step 11. Locate a 9mm ($\frac{3}{8}$ ") washer followed by the Connecting Rod G onto the pin in the Wheel and secure with a split pin. The washer is to ensure the Connecting Rod G clears the axle when revolving.

Step 12. Secure the Flyer H to the Spindle with the small Tension Pin. First locate the hole then hammer pin home.

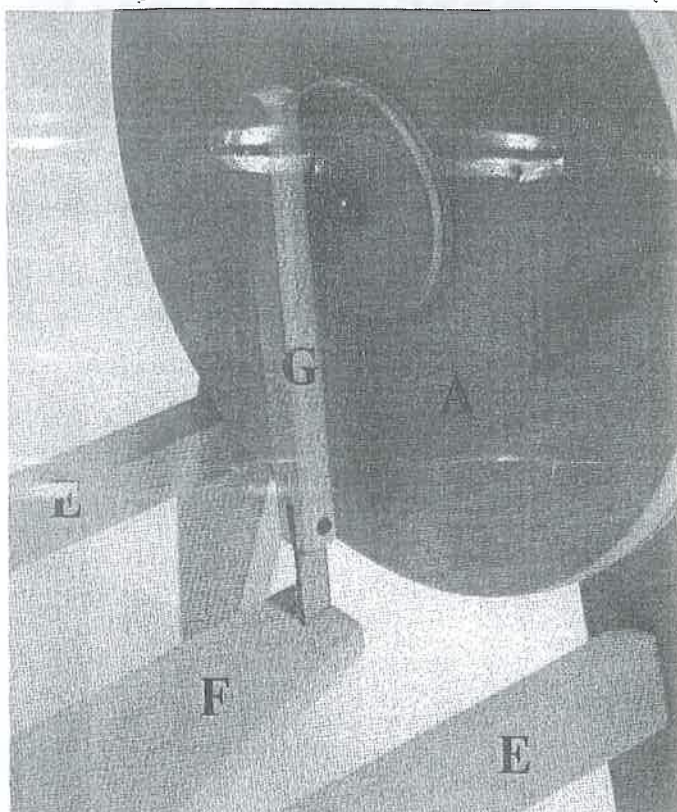
Step 13. Locate hooks into flyer arms.

Step 14. Place Bobbin on Flyer Spindle with pulley to rear, then locate Flyer in position on top of frame.

Step 15. Raise Wheel A to highest position and tie drive band around wheel A and Bobbin Pulley L. Lower wheel to tighten drive band.

Step 16. Locate screw eye into lead hole in the Front Frame.

Step 17. Locate tension knob M in position in the Front Frame B and tie nylon to it. Thread nylon over spindle pulley and tie to screw eye.



Your Indian Spinner is Now Ready For Use.

This strong and stable spinning wheel is designed to produce an extra bulky yarn. The yarn is usually used as a single ply and is wound directly from the bobbin into balls. However if the yarn requires washing or other treatment, it should be wound into skeins.

Principle of the Indian Spinner :

The drive from the wheel is to the Bobbin, with the Tension Band acting on the Flyer to draw the yarn onto the Bobbin. The Ashford Traditional and Traveller spinning wheels work on the opposite principle.

Oiling: Oil all moving parts frequently.

Treading: The Indian Spinner is designed for a Heel-toe action which keeps the wheel turning smoothly. Practise treading before attempting to spin. The wheel is set in motion by rotating the bobbin clockwise by hand and treading should be approx. 75 R.P.M.

Leader Thread:

Use a long piece of strong yarn as a leader.

Threading The Flyer:

Use your finger to push yarn through the orifice.

Spreader Hooks:

Spread yarn evenly across bobbin.

Do not overfill the bobbin and watch for loose fibres snagging on hooks.

Splicing:

A longer than usual overlay is necessary i.e. 150mm (6").

Belt Tension Adjustment:

Adjust by loosening wing nut on Rear Frame.

Bobbin Capacity:

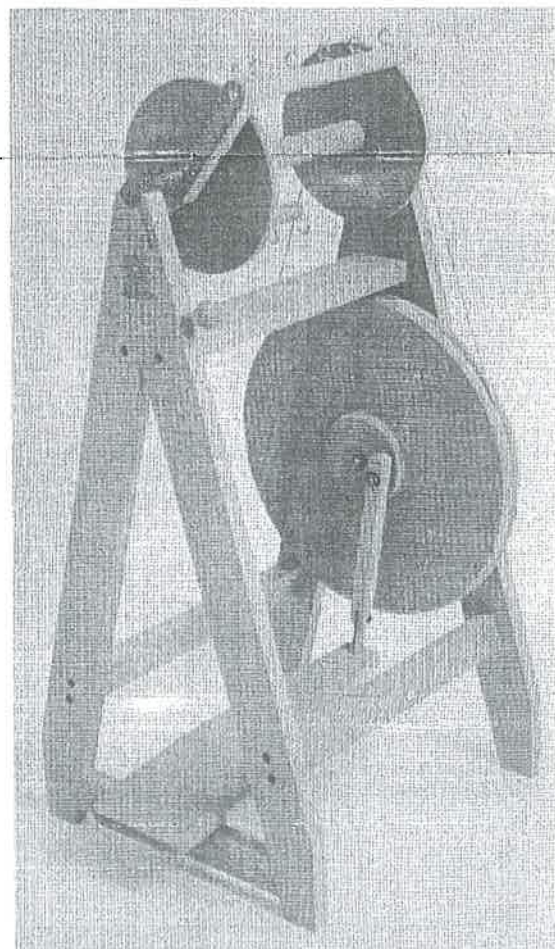
Approx. 1 kg (2.2lb) spun greasy wool.

Plying:

Ply from balls of single ply treading anti-clockwise.

Wool For Rugs:

Use a coarse (40/46 count) well oiled wool. It may be carded or spun directly from an open fleece. The Indian Spinner will produce a heavily textured yarn for many different uses.



Designed and Manufactured by:
ASHFORD HANDICRAFTS LTD.
P.O. BOX 180
ASHBURTON NEW ZEALAND.