

# Ashford Spinning Wheel

## FINISHING YOUR WHEEL

The timber used in all Ashford Spinning Wheels is kiln dried, and due to possible difference in climatic condition, it is important to thoroughly "seal" (i.e., apply the finishing surface) as soon as possible after arrival. As well as enhancing the appearance this also protects the wood from absorbing grease from the wool. **IT CAN BE EASIER TO APPLY THE FINISH BEFORE ASSEMBLING**, but this is up to you. All rough surfaces should first be smoothed with the garnet paper supplied then all dust brushed off.

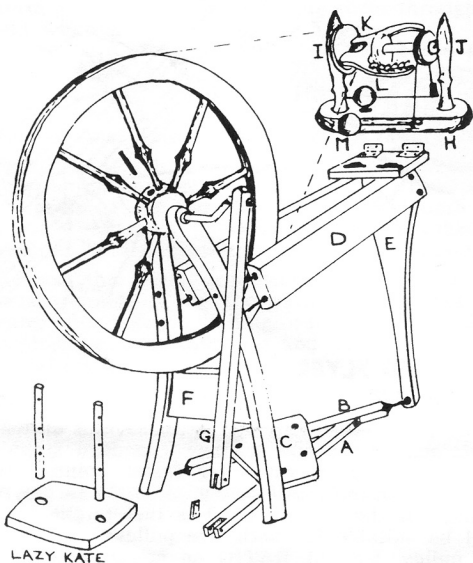
Silver Beech varies a lot in colour and although we try to evenly match all the pieces some variation is always likely. A medium to dark stain will usually cover these differences.

We recommend an oil stain followed by several coats of clear lacquer. In between each coat rub down with steel wool. Alternatively french polish can be applied with a brush or pad.

Linseed oil can be rubbed into the wood and then polished well with a wax polish.

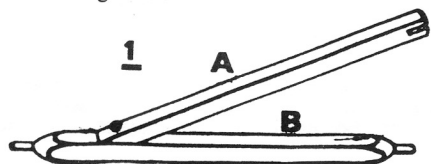
### LIST OF PARTS

Wheel	Maiden bar
Assembled pair legs	Maiden upright. large hole
Single leg	Maiden upright. small hole
Side rails (pair)	Flyer
Connecting rod	Bobbin (4)
Treadle rails (2)	Adjusting board
Treadle board	Adjusting knob
Lazy Kate base	Tension knob
Lazy Kate uprights (2)	Crank
Lazy Kate wires (3)	Packet of Hardware



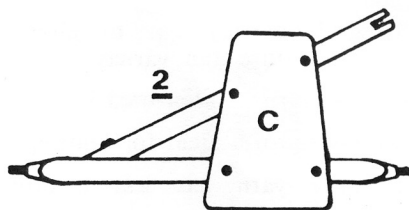
### GENERAL

**READ EACH STEP RIGHT THROUGH BEFORE COMMENCING.** Wax or soap rubbed onto screw threads will make screwing easier.



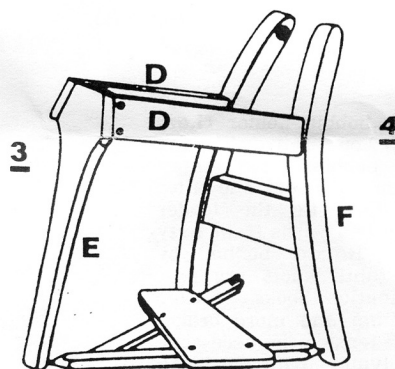
### STEP 1

Treadle rails A and B are screwed together with 1½ inch round head screw. Holes are pre-drilled.



### STEP 2

Treadle board C is now attached with four ¼ inch countersunk screws after positioning evenly on treadle rails keeping bottom edge of C parallel to rail B with screws in centre of rails.



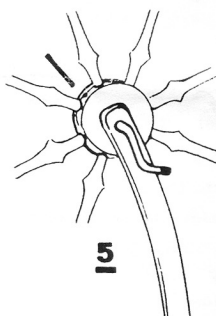
### STEP 3

Keeping the small lead holes in the rails "D" uppermost and the hole at the foot of "E" on the same side as the rails, connect the rails to the leg with four 1½" round head screws. Commence Step 4 before tightening screws home.

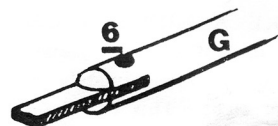
### STEP 4

Use a large screwdriver. Take the wheel support legs F (factory assembled) and start four 2½" screws through these legs into the ends of rails D. Before screwing up tight fit the treadle assembly between legs E and F.

### STEP 5

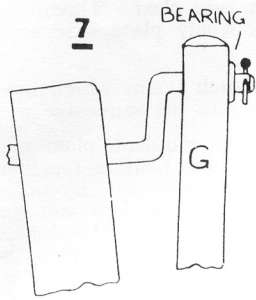


Place the wheel in position between the legs and insert the crank. This has deliberately been made a tight fit in the hub so do not lubricate or ream out the hole. To secure the wheel, first locate the hole in the crank by pushing the nail, supplied in the hardware, through the hub, twisting the crank backwards and forwards until the hole is located. Next tap home the tension pin through the hub and crank, taking care not to damage the spokes. If it is required to remove this pin, file off the point of the nail and punch back out.



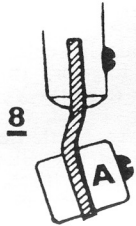
## STEP 6

The small rectangle of leather forms a flexible joint and is held in G with a  $\frac{1}{8}$ " round head screw.



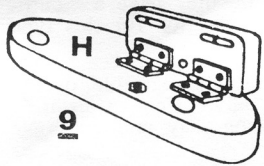
## STEP 7

Fit the connecting rod G to crank keeping bearing to outside. Next insert cotter pin through the hole and bend each leg up around crank with pliers or screwdriver.



## STEP 8

Insert the leather into A and fix with a  $\frac{1}{8}$ " round head screw. Now treadle the Spinning Wheel and check the action.

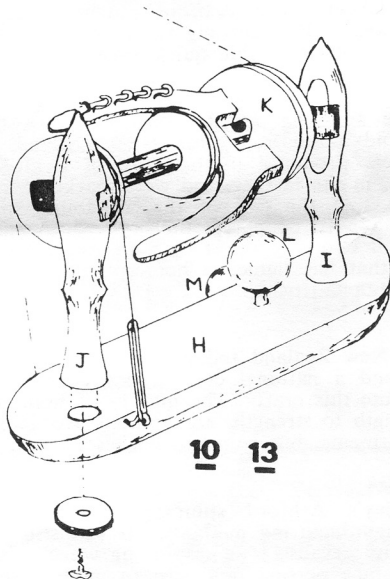


## STEP 9

Use  $\frac{1}{2}$ " countersunk screws to hinge the adjusting board to the horizontal bar H. Lead holes are pre-drilled.

## STEP 10

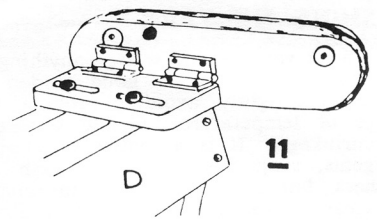
Flyer uprights I and J are held in the maiden bar H by  $\frac{1}{4}$ " screws and large washers. Upright I has a large hole in the nylon bearing and is clamped tight after ensuring this bearing is at right angles to H. Flyer upright J must twist to allow changing of bobbins. Wax the spigot before inserting and rotate back and forth until it twists easily, but DO NOT lever on the bearing. The clamping washer under J should not be too tight, but can be adjusted if J becomes too loose. Now fit the flyer and bobbin between these uprights.



10 13

## STEP 11

Put two 11" screws through the metal washers then through the adjusting board slots and loosely screw onto rails D.



## STEP 12

Fit the driving cord around the wheel and the flyer pulley K and tie with a reef knot. Sight along the cord and slide the horizontal bar until the pulley and wheel are aligned. Hinge back the horizontal bar and tighten the screws through adjusting board.

## STEP 13

Knob L screws into place to tension the driving cord. Do not have too tight. Fix five screw hooks into the flyer and the sixth into the back of H. Fix the screw eye into the front of H. All holes are pre-drilled. Fit tension knob M in place and thread nylon through screw eye, over bobbin and tie to spring or rubber band. Make sure that there is sufficient length of nylon to allow all tension to be released if required. Do not wax or lubricate the spigot of M.

## LAZY KATE

The two drilled lengths of dowel are inserted and glued into the base. Make sure the holes line up by inserting the wires.

## THREADER HOOK

Thread the tape through the eye of the hook and tie into a loop. Hang this over tension knob M for easy location.

## ASHFORD LABEL

Attach this 2" or 3" below the top of leg E.

## POINTS ON MAINTAINING YOUR SPINNING WHEEL

**ALWAYS REMEMBER THAT FREQUENT OILING IS ESSENTIAL FOR A SMOOTH-RUNNING SPINNING WHEEL.**

### OILING or GRAPHITE LUBRICATING POINTS

Two bearings in uprights holding wheel.  
Bearing in top of Pitman Rod.  
Metal projections on ends of treadle rail.  
Nylon Bearings on Flyer uprights.  
A good quantity of oil inside each Bobbin.

**REMEMBER TO OCCASIONALLY CHECK THE SCREWS ON ALL PARTS OF THE SPINNING WHEEL FOR TIGHTNESS.**

### REPLACEMENT PARTS

**BROKEN RUBBER TENSION BAND** — Replace with a heavy duty rubber band or small coil spring.

**REPLACEMENT DRIVING BAND**—A cord of approximately the same dimensions is available from local sources.

**LEATHER JOINT ON PITMAN ROD** — Procurable from local saddlery or shoemaker.

**LOST THREADER HOOK**—A piece of fine hard wire makes a suitable substitute.

**WORN HOOKS ON FLYER**—Replace with steel or brass screw hooks (same size) available from local hardware.

**WORN ORIFICE ON FLYER SHAFT**—Send to us for new Flyer shaft. When received, remove shaft by gently tapping on the narrow end of shaft to remove from Flyer. Replace new shaft by gently tapping in from opposite end. Line up orifice as in previous position.

**BEARINGS FOR FLYER UPRIGHTS**—When ordering please state whether large or small hole bearing is required.