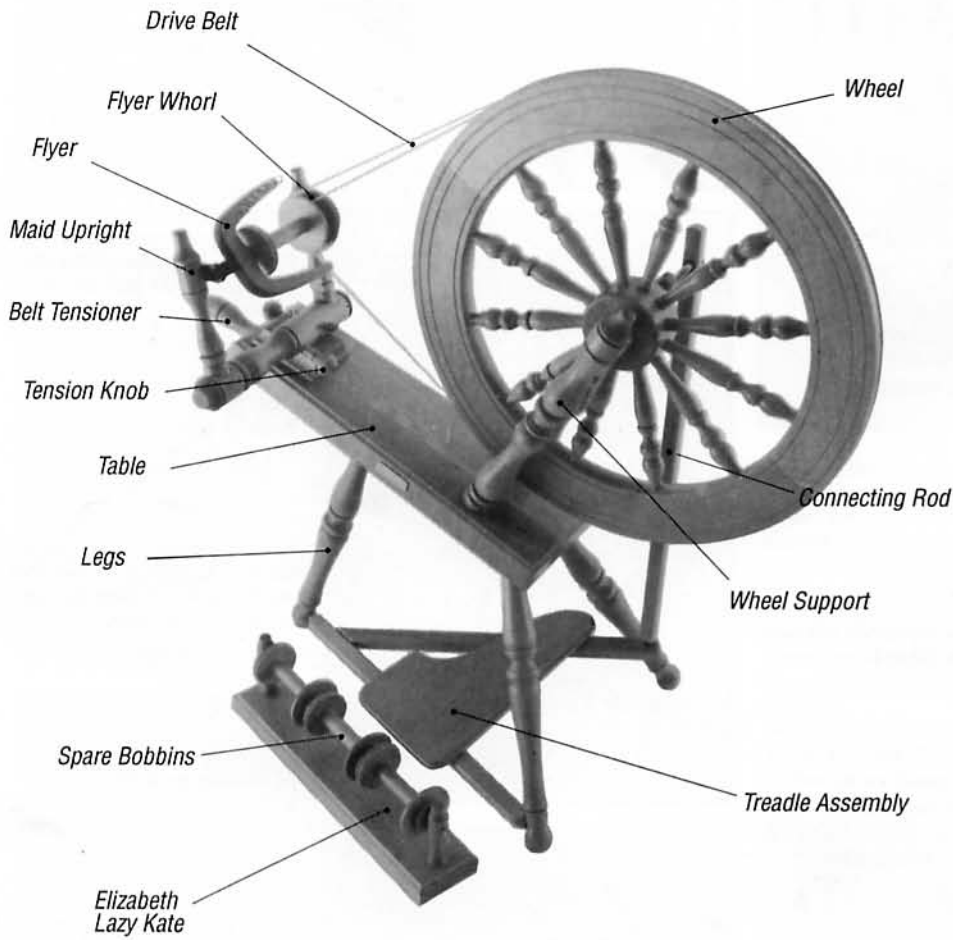


# ASHFORD ELIZABETH SPINNING WHEEL

## ASSEMBLY INSTRUCTIONS

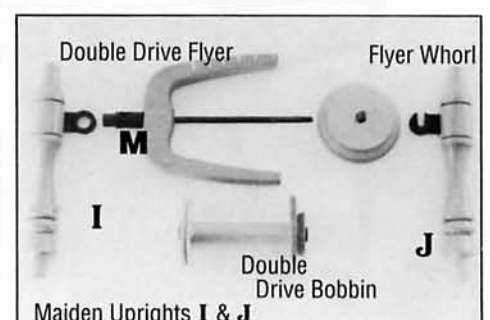
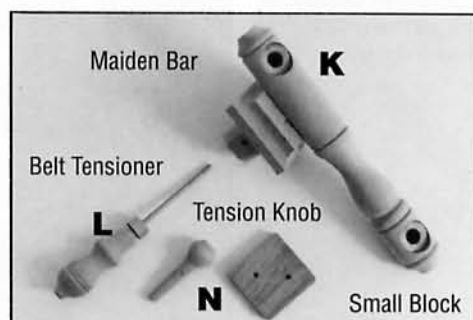
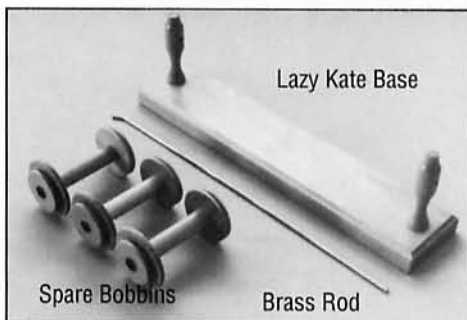
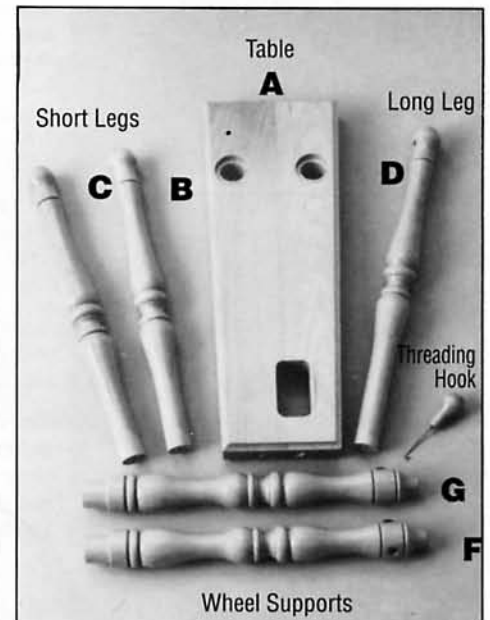
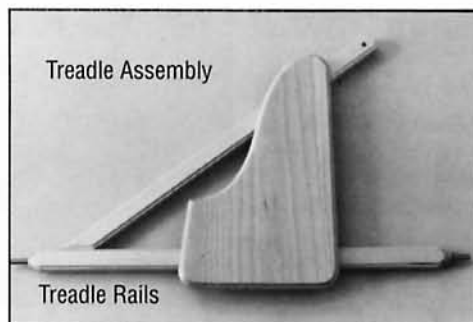
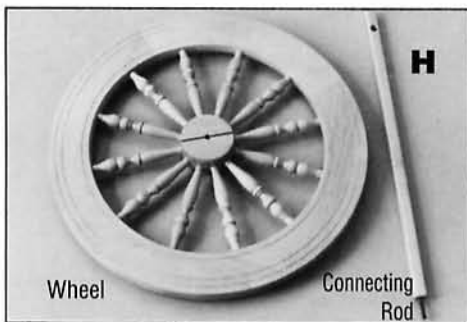


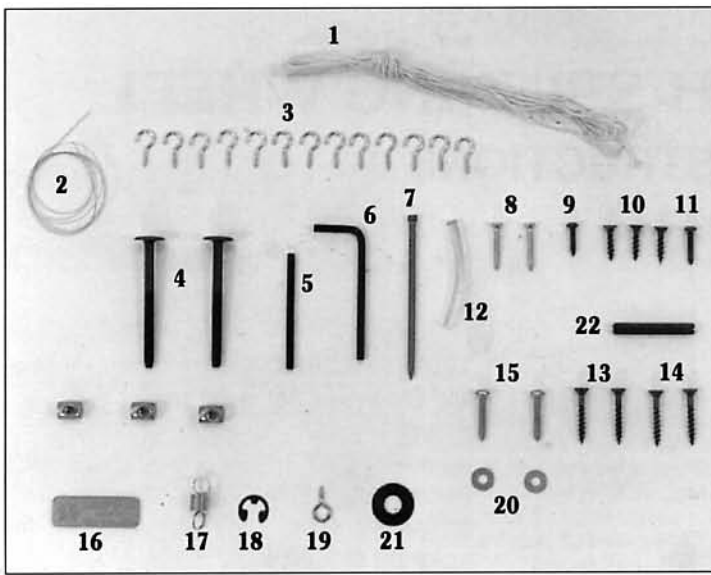
**TOOLS REQUIRED** – ⊕ Screwdriver, Hammer and Candlewax (for wood screws and dowel ends).

**Before Commencing** – Read the instructions completely, identify the parts and note the assembly sequence.

**FINISHING THE WOOD** – We recommend that the wood surfaces be waxed before assembly. This protects the kiln dried wood from climatic changes and enhances the beauty of the wood.

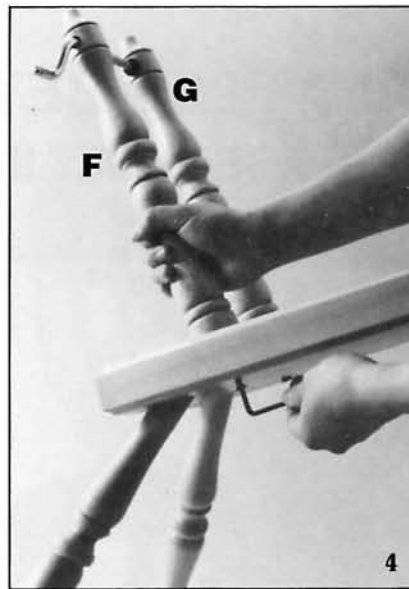
**For the Ultimate Finish** – Use the special, natural, new formula Ashford Wax Finish. The Silver Beech Tree is a native of New Zealand and has a lovely variety of colour and grain. The Ashford Wax Finish will enhance the natural colours and beauty of the wood. Ashford Spinning Wheels are also available factory finished in clear lacquer or walnut finish.



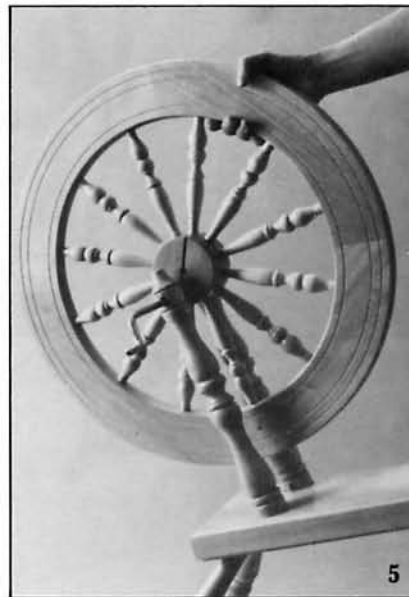


**HARDWARE LIST**

- |  |                       |
|--|-----------------------|
| 1 Drive Belt                                     | 16 Ashford Name Plate |
| 2 Nylon Brake Band                               | 17 Tension Spring     |
| 3 Screw Hooks                                    | 18 E Clip             |
| 4 Barrel Nuts and Bolts                          | 19 Screw Eye          |
| 5 Tension Pin - 2 1/2"                           | 20 Small Washers      |
| 6 Allen Key                                      | 21 Nylon Washer       |
| 7 Nail   | 22 45mm Tension Pin   |
| 8 6x1" Pan Head Screws for Block                 |                       |
| 9 6x5/8" Pan Head Screws for Nylon Rod           |                       |
| 10 7x3/4" Countersunk Screws for Legs            |                       |
| 11 6x3/4" Pan Head Screws for Nylon Rod          |                       |
| 12 Nylon Rod - Clear                             |                       |
| 13 8x1 1/4" Countersunk Screws for Treadle Board |                       |
| 14 8x1 1/4" Countersunk Screws for Treadle Rails |                       |
| 15 8x1" Pan Head Screws for Maid Uprights        |                       |



(4) Sit the table on its legs. Take the wheel support 'F' (which has the hole drilled right through). Refer to diagram on back page. The bearing in support 'F' is now to the outside. Place 'F' in the hole in the table on the side away from the spinner. Position the barrel nut (4) into the wheel support 'F'. (Note the long slot in the nut is in line with the hole). Thread the bolt through the table's support 'F' and into the barrel nut. Repeat with wheel support 'G' on the spinners side, keeping the bearing facing inwards. Place the crank in position and keep it turning freely while tightening the bolts with the allen key provided. If the bearings are correctly aligned the crank should rotate freely. If the crank does not rotate freely, insert the short end of the crank into one bearing and move it vertically or horizontally. Then repeat for the other bearing, testing the alignment as you proceed. When fitting the wheel between the wheel supports 'F' and 'G', locate the nylon washer (21) between the hub and wheel support 'F'.



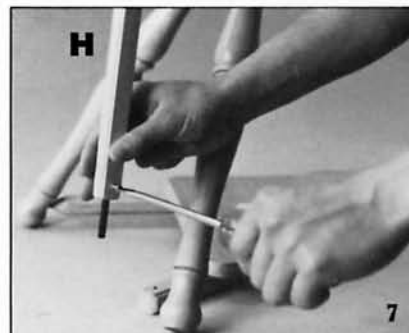
Refer to back page for bearing and crank assembly.

A hole is provided in the table for the allen key. Please retain it to enable you to re-tighten the wheel supports in the future.

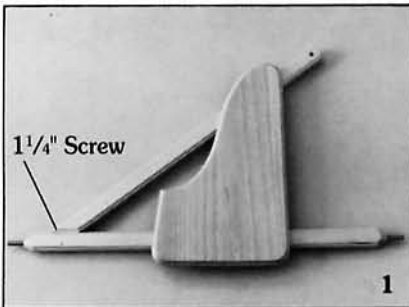


(5) Remove crank. Place the wheel in position and then reinsert the crank. This has deliberately been made a firm fit in the hub. A little wax on the crank will make this easier. To secure the wheel, first locate the hole in the crank by pushing the nail supplied through the hub, and twisting the crank backwards and forwards until the hole is located.

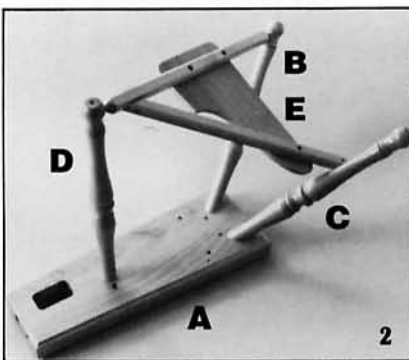
(6) Next remove the nail and tap the tension pin (5) through the hub and crank.



(7) Secure the nylon flexible joint to the connecting rod 'H' with a 5/8 inch (16mm) pan head screw.



(1) Join the two treadle rails with a 1 1/4 inch (32mm) countersunk screw.



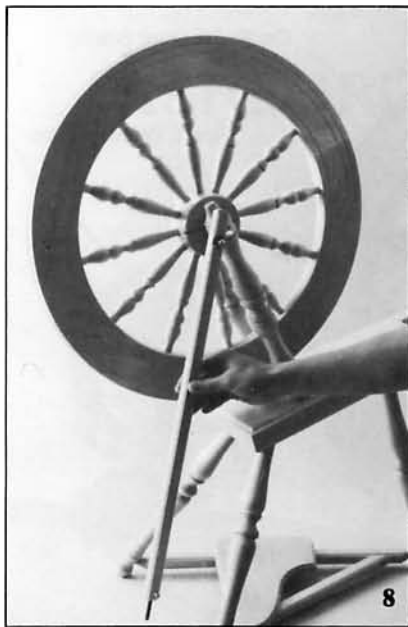
(2) Lie the table face down on a flat surface. Insert the short leg 'B' into hole indicated on wide end of table in illustration.

Insert long leg 'D' into position indicated in illustration and push into table.

Wax the steel pins and position the treadle assembly between the short leg 'B' and long leg 'D'. If necessary twist either leg so the treadle assembly can move freely.

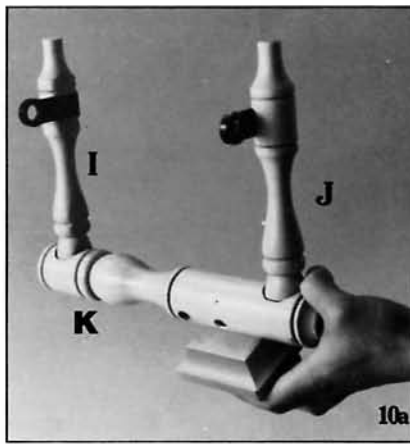


(3) Locate the other short leg 'C' in place. Carefully hammer all legs home and secure with 3/4 inch (20mm) countersunk screws.

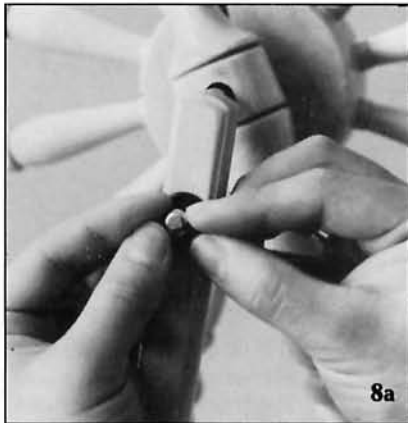


8

(8) Locate the connecting rod with the bearing to the outside onto the crank.

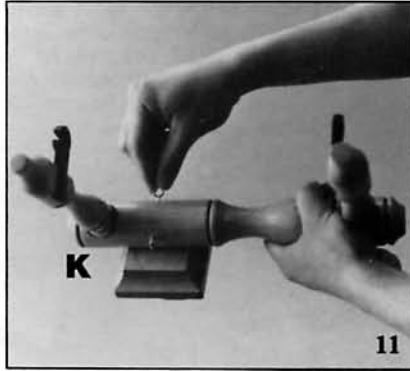


10a



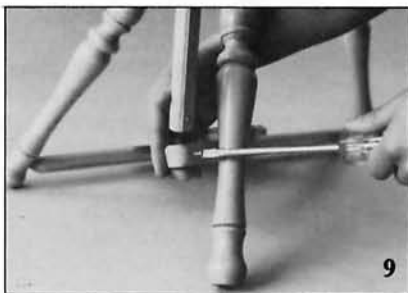
8a

(8a) Fit the E clip into the groove of the crank. To remove, prise off with a screwdriver.



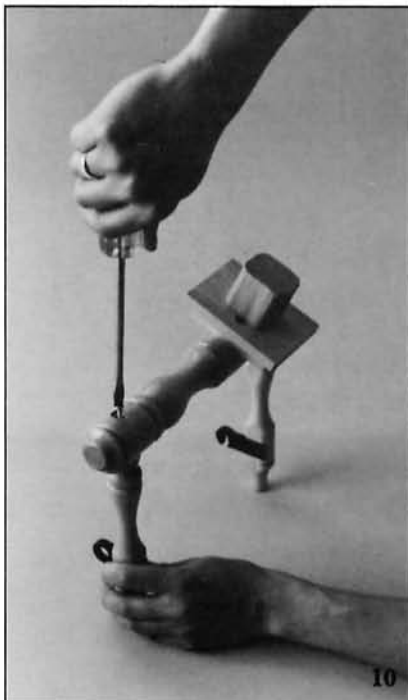
11

(11) Thread a cup hook into the back and screw eye (19) into the front of the maiden bar 'K'.



9

(9) Position the flexible nylon rod into the hole in the treadle rail and secure with a 3/4 inch (19mm) pan head screw.



10

(10 & 10a) Locate the two maiden uprights 'I' & 'J' into the maiden bar 'K', secure with 1 inch (25mm) pan head screws and small washers. Do not over tighten. When you have assembled your new wheel you may need to adjust the uprights for smooth running of the flyer.

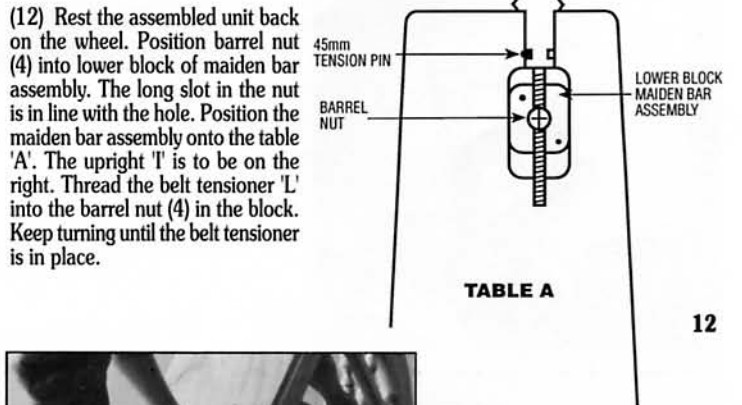
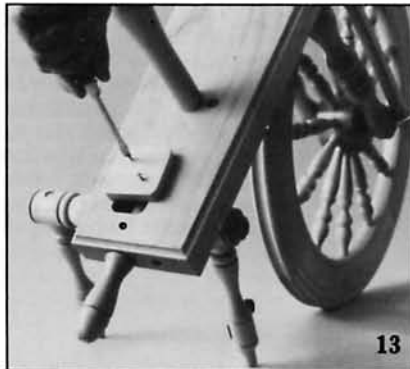


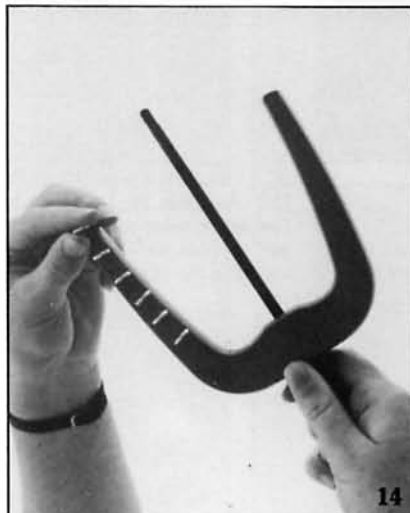
TABLE A

12



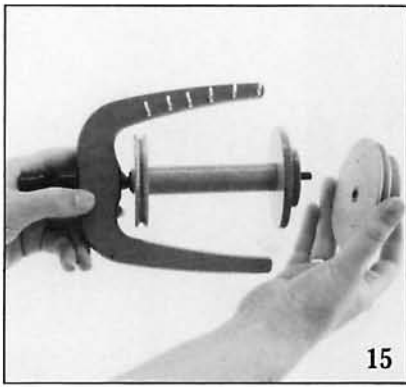
13

(13) Secure the small block to the underside of the maiden bar with 1 inch (25mm) pan head screws (8). Do not overtighten. Identify tension pin (22) and lightly wax. Insert the pin into the lead hole in the underside of table 'A' between the belt tensioner and small block. Tap the tension pin with a hammer. Leave 10mm protruding.

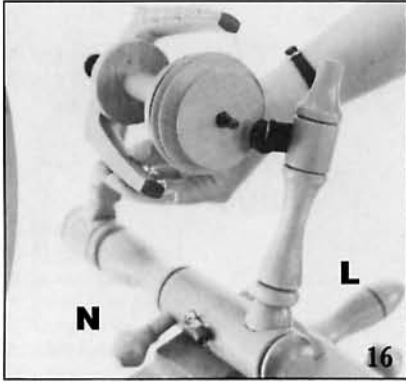


14

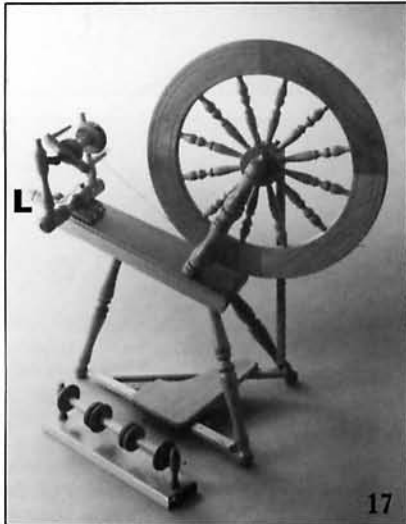
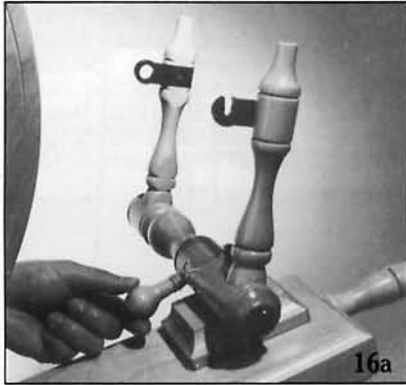
(14) Thread the cup hooks into the flyer 'M'.



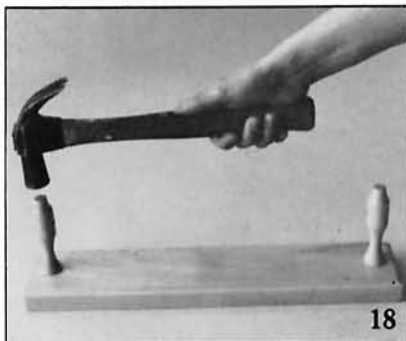
(15) Place a bobbin on the spindle. Push the flyer whorl onto the spindle until tight.



(16) Position flyer until between maiden uprights. Place the tension knob 'N' into the maiden bar. Tie the tension spring to the brake band. Hook the spring onto the cup hook and place the brake band over the bobbin, through the screw eye and tension knob and tie a knot. When spinning with the double drive system, remove nylon from bobbin and wind excess around tension knob.



(17) Unwind the belt tensioner 'L' to the end of its travel (towards the wheel). Place the drive belt over the wheel and wrap it in one continuous band around the bobbin over the wheel again, around the large flyer whorl and tie the two ends. Tighten the belt tensioner until both flyer and bobbin rotate. Peel backing off Ashford name plate and affix name plate in a central position on top surface of the table.



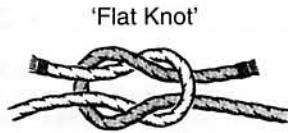
(18) Assemble the Lazy Kate by placing the brass rod through the two uprights and gently hammer them into the base.



19

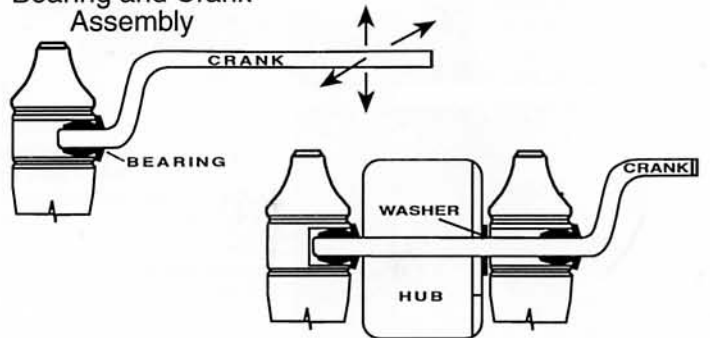
(19) Oil all bearings for the silent efficient running of your wheel. Repeat application every 3-4 hours of work. We recommend Ashford Spinning Oil for this purpose.

Your Ashford Elizabeth Spinning Wheel is now ready to use. Refer to the "Learn to Spin Booklet" for detailed spinning instructions.



'Flat Knot'

Bearing and Crank Assembly



EXCLUSIVELY DESIGNED AND  
MANUFACTURED BY

**ASHFORD HANDICRAFTS LTD.**

P.O. BOX 474, ASHBURTON,  
NEW ZEALAND.

Telephone: (03) 308-9087

Fax: (03) 308-8664