

Hand crafted spinning wheels and a wide range of woolworking tools for beginners and experts

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ROSE DOUBLE TREADLE SPINNING WHEEL

INSTRUCTIONS FOR ASSEMBLY AND USE

PLEASE READ THESE NOTES BEFORE YOU UNPACK THIS BOX

1 Your wheel has been assembled at our workshop; it has been tested; it has been spun on; all screws have been pre-fitted and some have been removed for partial disassembly.

Please unpack with care and retain the packaging. In the box will be:

- a base
- a handle column
- a drive wheel assembly
- 4 bobbins
- the spinning head
- pedals
- crank set
- a standard and a fine fibre flyer, small and large whorl
- a bobbin carrier box
- hardware (screws, etc) spare screws are included.

Remove and discard the bolt in the pivot handle, which is there for shipping purposes only. You will require for assembly a No. 2 Phillips or pozi drive screw driver.

This can usually be found in the tool kit of most cars.

2 Place the base upon the floor or table, with the twelve pedal hinge holes in the front of the foot and the Majacraft badge towards you.

3 Insert the handle assembly into the base and line up the screw holes in the sides with the holes in the handle assembly.

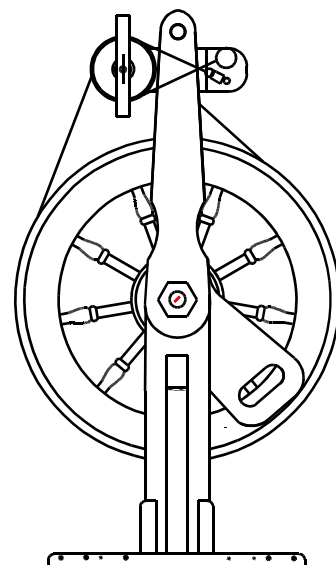
4 Insert and partially tighten the four 1 ½" gold screws, checking that they are in the original holes. Turn the base over and insert a 1 ½" screw at an angle into the hole joining the centre piece to the base again partially tightening first and checking for fit - the cut out should fit against the base-, before finally tightening all five screws. Now stand the base up.

5 Remove the wooden handle nut on the drive wheel assembly and put the drive shaft through the handle assembly with the lock washer next to the drive wheel side. Replace the wooden nut and tighten. This will give you control over the handle tightening.

- 6** Take the silver bolt, wooden head securing knob and wooden spacer from the top of the handle assembly. Place the spinning head between the uprights. It is possible to have a left or right handed option simply by installing the head so that the flyer spindle/whorl is either on the right or left of the handle column. Choose the side which will best suit you and your method of spinning. This may be changed quickly and easily at any time, but most spinners have the flyer and bobbin to their left.

With the spacer between the uprights, push the bolt away from you into the squarish hole toward the drive wheel side of the spinning wheel turning the bolt to fit its head into the recess. Place the washer at the rear of the handle and then tighten the knob at the rear to secure the head in place.

Your wheel should now look like this.....



- 7** The gap between the spinning head and the wooden spacer should be about 1/2" to give correct belt tension. Fit the drive belt and check that the belt will be tight enough on the smallest whorl groove/largest wheel groove combination tipping the head to tighten the belt if necessary, then tighten the wooden knob firmly. Fit the whorl to the spinning head, with the largest groove nearest to the spinning head, lining the grooves up as much as you can with the drive wheel grooves. Then tighten the small internal screw, using the allen wrench, onto the flat spot on the shaft. This must be done up tightly.

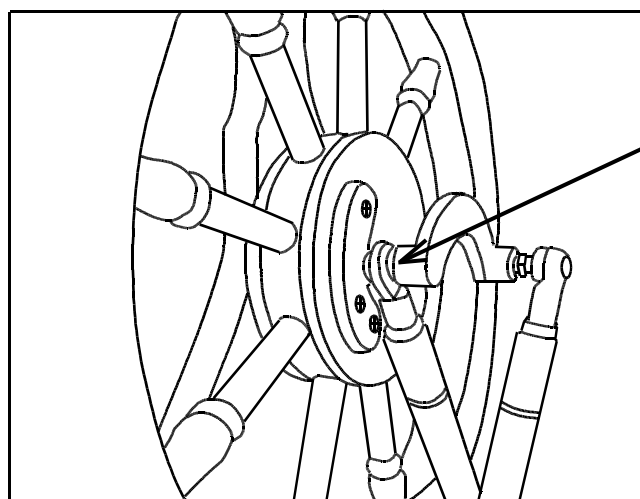
- 8** Fit the pedals using the twelve gold $5 \times \frac{3}{4}$ " screws provided, matching the holes at the front of the base. The long side of the pedal goes nearest to the central base.

- 9** Fit the crank set to the drive wheel using the 1" silver screws provided. There are three holes arranged so that you can only fit the crank the correct way.

- 10** Fit the green joiners in the wooden footmen to the pedals.
Check on the side of the pedals and the side of the footmen for matching marks - this indicates which footman connects to which pedal

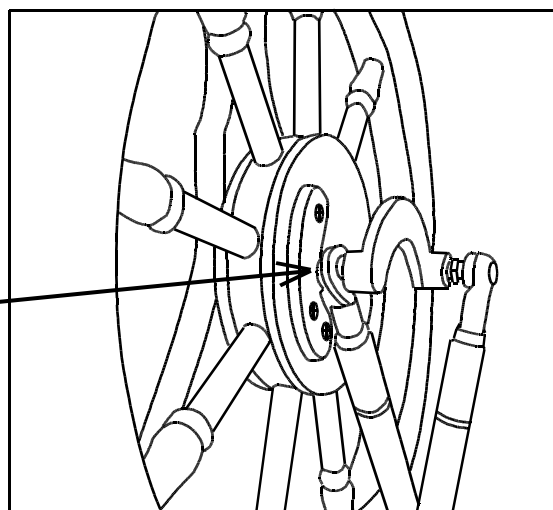
Tighten the gold 1" screw in the pedals onto the green joiners which should be approximately flush with the underside of the pedal.

Ensure that the centre bearing is substantially parallel to the crank and drive wheel, and that the outer bearing is also straight and parallel. You may need to turn the green joiner in the pedal to achieve this. This is most important.



CORRECT

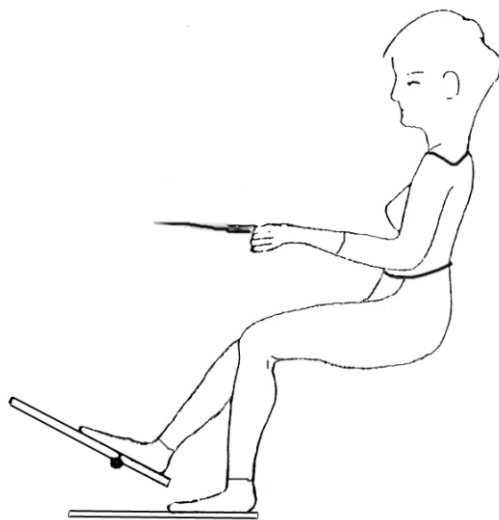
INCORRECT
BEARING IS
TWISTED



- 11** Fit the drive band into the grooves nearest to you, forget about fibre for the moment, get yourself a chair and....

place your heels as shown in the sketch - both feet on the pedals with the heels close to the end of the pedals and learn to treadle

The pedals are angled to ease foot strain, sit down firmly, sit back, please do not sit too close to the wheel and now treadle with your ankles and relax your body.

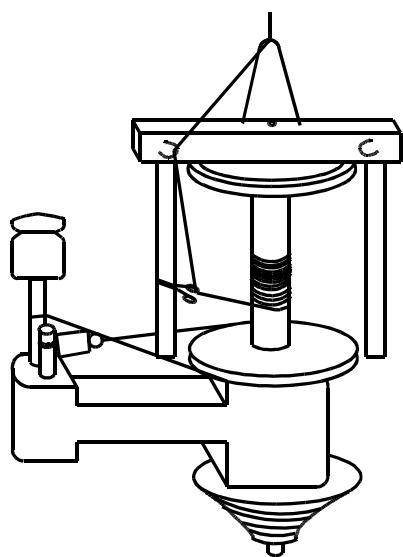


- 12** When you are comfortable about treadling, tie on a leader and lead the fibre from the bobbin, around the inside hook of the stainless steel sliding yarn guide, around the flyer hook and down through the orifice. New bobbins may appear tight on the shaft - just push them on and off the shaft a couple of times from either end to free any slivers of plastic that remain inside the bobbin.

Either flyer can be installed at this time.

The sliding yarn guide works best with the tips pointing away.

*Tie your leader around the core and not through the holes
A piece of scotch tape will secure it firmly.*



The brake band (tension cord) is crossed for clockwise spinning.

It can be reversed if you are plying anticlockwise but its important that the tension is always against the knob, not against the spring.

To thread the wheel, pass the yarn only through one eye of the sliding hook, then round the fixed hook on the flyer and out through the orifice

- when changing the bobbin, hold the whorl to stop it turning, slacken the flyer with the other hand then treadle backwards and the flyer will unwind. If it doesn't you are treading the wrong way. Now you can change the bobbin. Rewind the flyer by treading clockwise.
- the bobbin is thin walled, lightweight and very responsive to tension adjustments.
- it has an increased yarn capacity.
- it has super smooth cord grooves
- it is functional and very strong
- it may be immersed in boiling water and other substances to set twist and dyes

13 To move the flyer hook just squeeze the wings gently and slide it, bobbin filling can now be even, no more hills and valleys, it will be easier for unwinding. To spin wool fibres use the drive wheel/whorl grooves nearest to you. As you change to Merino, silk, cotton, etc, you will be using the grooves further away from you. The small whorl is especially suitable for this.

14 It is correct practice with a band brake to spin with the pull of the cord on the tension knob and not on the spring. The spring is there to provide constant tension and not to flutter under the influence of bobbin rotation. Spin clockwise with the brake band crossed, with the cord going from the knob, down under and around the bobbin and back down to the spring. Uncross the cord to ply or spin anticlockwise.... see the previous sketches showing the yarn path, they also show the brake band crossed for clockwise rotation. Always use the minimum tension for satisfactory draw in and no more, There is sufficient spare cord supplied for you to remove a worn piece, and please, if you have to replace it, use a braided material and NOT mono filament fishing line which will cut a groove in any bobbin.

15 Keep bobbin grooves clean. Cotton and silk must be spun with virtually no tension, no friction drag of any dirt in the groove and the flyer shaft must be clean too. Give the shaft a wipe with very light oil and wipe it off again. A little light oil on the pedal hinges occasionally, and on the centre crank bearing, say once a year, may help.

16 Tie the fibre handle to each end of your bobbin box. The bobbin box may also act as a lazy kate. To use it, preferably place it on the floor to one side and behind you.

17 The woodwork of your wheel has been varnished with a pre-catalysed lacquer, a wipe with a damp cloth is usually all that is needed, a drop of detergent on the damp cloth for a really dirty wheel may help. A mark made by a hard knock can be masked by putting a drop of furniture or linseed oil on the spot and allowing it to soak in. Please note that like all natural timber products your wheel needs to be kept away from direct sunlight, hot fires and if possible, extremely dry or humid environments. Majacraft has a polish made from organic lavender oil and manuka beeswax which is very effective in keeping your wheel attractive.

18 The whorls are interchangeable - use the small whorl for fine spinning. The large whorl can be used for thicker yarns and gives 5 main ratios

largest whorl groove	4.25:1
	6:1
	8:1
	11:1
	smallest whorl groove 14.5:1

The small whorl gives an additional 5 main ratios.....

largest whorl groove	6:1
	9:1
	13.25:1
	16.5:1
smallest whorl groove	19.5:1

There are also intermediate ratios available by moving the belt on the drive wheel. When positioning the whorl on the flyer shaft, check that it is lined up with the wheel and also that the screw is tightened onto the flat area on the shaft.

19 To fold the wheel for easy transportation, loosen the wooden handle nut slightly and rotate the head end of the handle downward to move the carrying grip to the top. Re-tighten the wooden handle nut. When folding the wheel leave the bobbin in place to protect the large whorl - a piece of cloth between the pedal and the spinning head will help protect the pedals. Reverse these instructions to return the handle to the spinning position.

20 For fine fibre spinning, using the Allen key provided, undo the small internal screw to remove the large whorl and replace with the small whorl. Tighten. Change to the cotton orifice (or fine fibre) flyer if you wish. Lace bobbins, flyers and whorls are also available to make your job easier and extend your range of fibre crafting.

Majacraft manufactures a wide range of accessories for your spinning wheel.

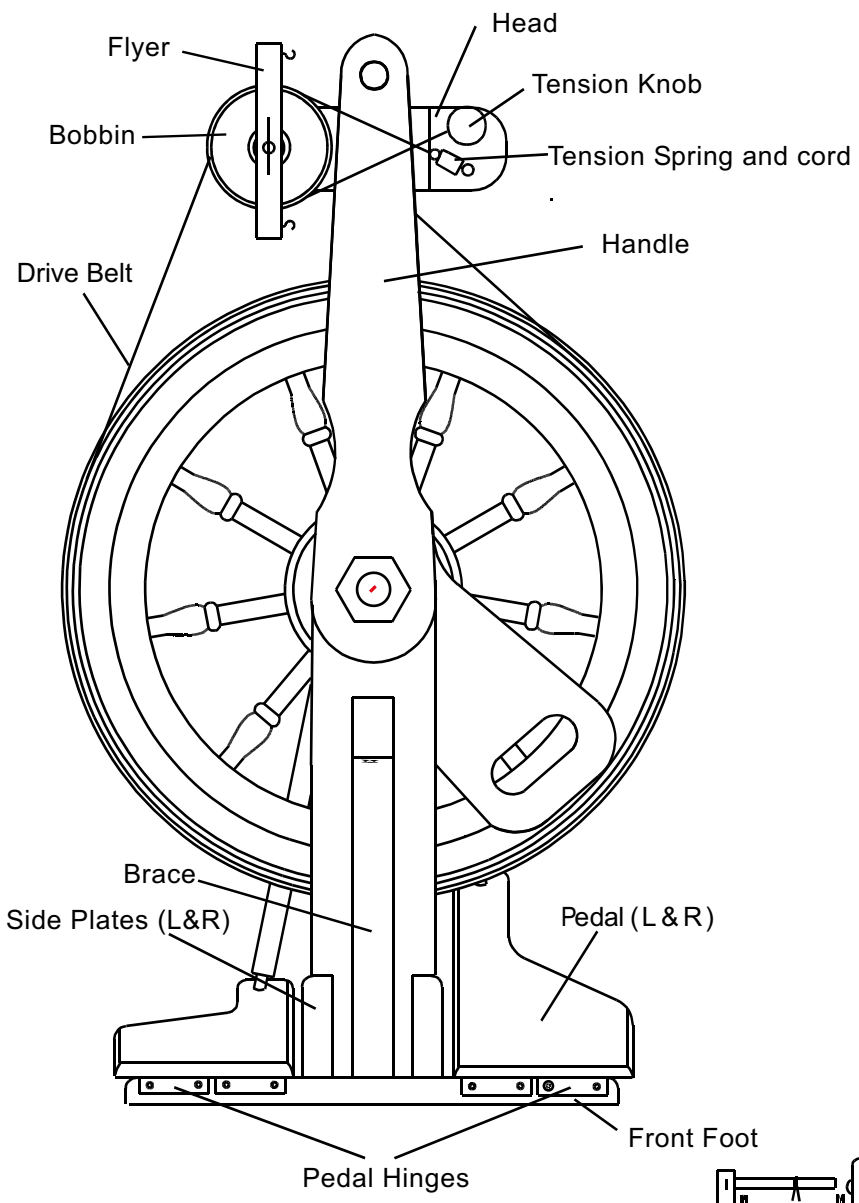
Visit our web site at www.majacraft.co.nz to learn more or contact your dealer for a full colour brochure.

Majacraft guarantees to replace or repair all faulty parts free of charge for two years from original purchase. Fair wear and tear resulting from usage excluded. In the unlikely event of a failure please contact your dealer.

WARNING

There are many moving parts on spinning wheels when in use. It is possible that moving parts could cause injury.

We urge you to take care and be aware of others, especially small children, so that your spinning brings a lifetime of pleasure.



Rose Spinning Wheel

