

**Screwdrivers:**

The main tool you will be using is a screwdriver and a well chosen selection of sizes is essential. Singer screws have narrow slots so make sure the screwdrivers have thin blades to fit them.

Some of the smaller screws are set into recesses, so choose screwdrivers with parallel sides to the blade if possible:

*Ideal sizes and blade widths are:*

- ❖ 9-10 mm with good handle (for stubborn screws).
- ❖ 5 mm with shaft length of 3-5 cm (needs to be short for awkward places).
- ❖ 4 mm with shaft length of 20 cm (opposite reason to that above).
- ❖ 4 mm - not longer than 16 cm overall.
- ❖ 3 mm - not longer than 13 cm overall.
- ❖ 2 mm Singer's Tension screwdriver.

We have made this selection of screwdrivers available to hand at each of the work places in the Netley Marsh sewing machine workshop.

In addition, we have found the following range of tools are used all the time - they include:.

**Frequently used tools:**

- ❖ Tweezers
- ❖ Engineers Pliers (medium size)
- ❖ Snipe nosed pliers
- ❖ Scissors
- ❖ Small Nail Punch
- ❖ Needle Threader
- ❖ Piece of sheet metal 1" (2.5 cm) square x .048" - .050" thick for gauging Feed Dog height.
- ❖ A plastic box, tin lid or other receptacle in which to put all removed screws etc.



### Occasionally used tools:

The following tools are needed less frequently. We keep examples of these available for communal use in the Netley workshop:

- ❖ Medium and small hammer
- ❖ Mallet
- ❖ Large screwdriver 13 mm, particularly for dismantling handles.
- ❖ Cranked (right-angled) screwdriver, or long 4 mm screwdriver with blade cut at an angle of approximately 15°.
- ❖ AF Ring Spanners: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, and 3/4.
- ❖ Adjustable Spanner
- ❖ Mole Grips
- ❖ 1ft steel rule, metal tape measure.
- ❖ Philips screwdrivers
- ❖ G Clamps
- ❖ Saws, hacksaw, junior hacksaw, coping saw.
- ❖ Hand drill and selection of small drills.
- ❖ Pincers and wire cutters.
- ❖ Files
- ❖ Centre and nail punches.
- ❖ Small Engineers vice.
- ❖ Small block of wood. *(not essential but very useful).*

### Tools and materials for cleaning and oiling

- ❖ Tooth brush.
- ❖ 1" dry paintbrush.
- ❖ Other small brushes.
- ❖ Brass wire brush.
- ❖ Fine emery paper.
- ❖ Scouring pads.
- ❖ Fine wire wool
- ❖ Plenty of clean, non-fluffy rag
- ❖ A can of sewing machine oil. *(please do not use any other type of oil).*
- ❖ Freeing penetrating oil. *(AC90 is used at Netley Marsh and is excellent but WD40 is more available).*

If you need help getting hold of any of these tools call Netley Marsh to see if we might be able to help.



We buy rings, thread take up springs, needles and belts new and can supply these to you probably cheaper than you can get them locally

### Consumables

- ❖ Thick felt strips to cut **Y** shapes. *(for oiling hook ring).*
- ❖ Thin felt for cutting rings. *(for cotton reel rests).*
- ❖ Rubber rings (tyres). *(for bobbin winder).*
- ❖ Tension springs.
- ❖ Needles *(new, for testing stitching).*
- ❖ Clean material. *(to test machine with, e.g. old cotton bed sheets).*
- ❖ Reels of cotton to test the machine with. *(two contrasting colours such as red and yellow are best).*
- ❖ Leather drive belts. *(for treadles).*



### Spare Parts

If you are in need of a spare part, we hold stocks of some second hand parts from old machines at Netley Marsh - check with your Group Support Worker.

If you are regularly refurbishing machines *(and have the space)...*

it is well worthwhile keeping any scrap machines for spare parts.

Don't be tempted to strip a machine to a pile of nuts and bolts. It is better to keep a scrap machine in one piece and rob it for spares as needed.