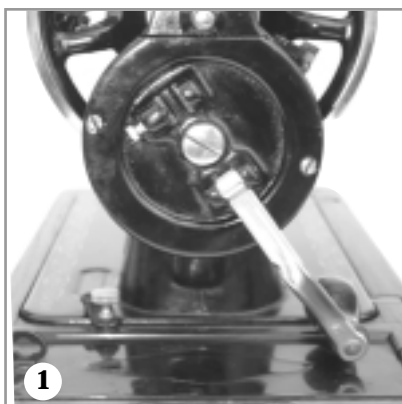
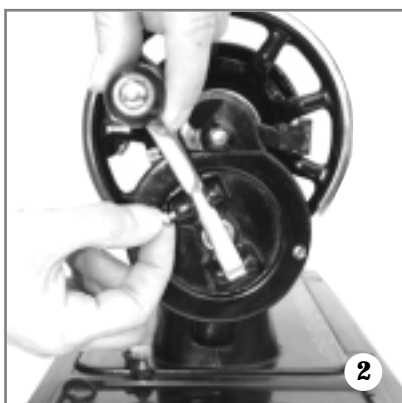


The handle attachment may have suffered wear and tear but we have to ensure it is in good condition both comfortable and quiet to use for hours at a time.



- (1) Remove the machine from its case. The handle arm will be folded down.**



- (2) Place the handle in its working position by lifting the arm and clicking into place. To release pull the small spring stud.**

On older machines, the handle is held in the latched position by a pin inside the bracket, rather than the spring stud.

If the spring inside the bracket is broken and the pin does not hold the handle arm in position, either change the handle from any spares you may have, or note it on the refurbishment record on the outside of the case and Netley Marsh will change it.

Make sure the wooden handle is free from worm or splits and turns freely on the spindle. If it is stiff apply some penetrating oil and leave for a while.

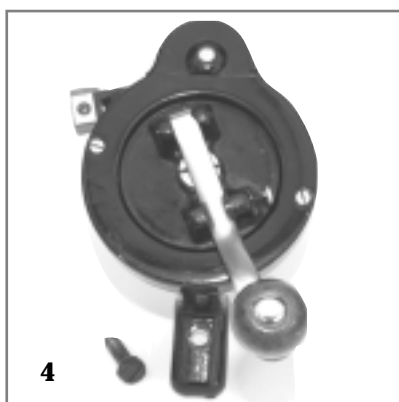
Check that the wooden handle is turning on its spindle, not that the spindle is turning with it. The spindle should be securely held in the crank handle lever, neither turning with the wooden handle, nor being loose.



- (3) A possible solution to correct this problem is to rest the end of the handle on a metal object and tighten the joint using a punch and hammer.**

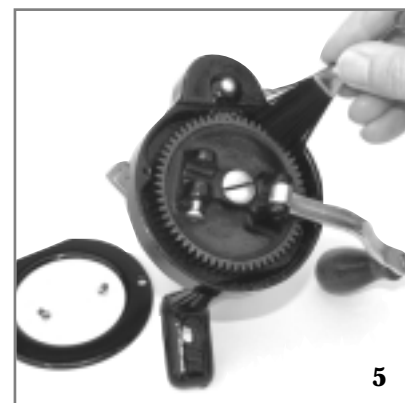
If the handle is in poor condition or refuses to budge, it could be more productive to exchange it for a better quality spare unit. If you don't have a spare, highlight the problem on the refurbishment record on the outside of the case and we will replace the unit from our stock at Netley.

It is worth noting that some handle units vary in size and are not interchangeable between different models. In particular, the bracket length varies. If you change handles between models, make sure that the driver arm engages with the balance wheel without fouling the bobbin winder when it is latched down.



- (4) Detach the handle mechanism from the machine body by undoing the single screw bolt.**

The machine you are working on has probably stood idle for a number of years and the oil in the handle gear housing may have become gummed.



- (5) Remove the cover plate to reveal the internal gear mechanism and make sure the workings are clean and free from grime and any odd bits of lint or thread.**

After cleaning, turn the handle slowly through a complete turn. If there is resistance at any point, examine the teeth and clean out any debris.

Apply a drop of oil before replacing the cover plate. There are oiling holes in both the drive arm and the main gear. Apply a drop of oil to each and run for a few turns.



- (6) Hold the reassembled unit in your left hand and ensure the whole mechanism runs smoothly and easily.**



7

(7) See that the small hinged flap on the rear drive arm turns back easily and is properly cushioned.

This flap locates between the spokes of the balance wheel and engages the machine ready for use.



8

(8) Older machines have a thin leather sleeve on the end of the hinged flap to cushion and silence the action. If the leather is worn out or missing the machine will be noisy.



9

(9) To re-cushion the hinged flap, trim off any excess leather and press a tight fitting small piece of plastic tubing over the arm.



10

(10) More modern machines have a fibre pad with a small metal plate and screw to hold it in place.

If the pad is missing or badly worn, replace it if you have any spares. Otherwise, note it on the refurbishment record on the outside of the case and Netley Marsh will change it.

Put the refurbished handle mechanism with its fastening screw to one side until the rest of the refurbishment has been done.