

### Prepping the materials

- Heat up water & put yarns hanks in for 30 mins
- Separate into 3 sets
  - 2 hanks & 2 pieces of lace per set
- Heat on cooker
  - Start at mid heat (5/10 then turn down to 3/10)
- Organise hanks
  - Separate into 3 sets

### Materials

#### Set 1

- Alum mordant
- 30g of cotton yarn & lace
  - Add water (800ml)(400ml per cotton hank)
  - Heat up, not boil
  - & dissolve 3g of Alum powder
  - then gradually add in
  - 15mins
  - Add in cotton and lace
  - Keep on low heat for 30 mins
  - Stir every 10mins
  - Move hanks & lace into trays
    - Not with the Mordant water
  - Allow to cool
  - Move into pots of Dye
    - Both Heated up
  - Pot 1: Sage
  - Pot 2: hot pepper

#### Set 2

- Iron liquor mordant
- 30g of cotton yarn & lace
  - Add liquor 240ml
  - Top up with water (660ml)
  - 800ml liquid total
  - Heat up, not boil
  - 15mins
  - Add in cotton and lace
  - Keep on low heat for 30 mins
  - Stir every 10mins
  - Move hanks & lace into trays not with Mordant water
  - Allow to cool
  - Move into pots of Dye
    - Both Heated up

- Pot 1: Sage
- Pot 2: hot pepper

### Set 3

- Vinegar mordant
- 30g of cotton yarn & lace
  - 60ml cider vinegar
  - Top up with water (740ml)
  - 800ml liquid total
  - Heat up, not boil
  - Add vinegar 60ml after 10mins in
  - 15mins
  - Add in cotton and lace
  - Keep on low heat for 30 mins
  - Stir every 10mins
  - Move hanks & lace into trays with Mordant water
  - Allow to cool

### Dyes

#### Sage Dye bath

- 400ml of sage liquid
- big handful of soaked sage leaves from jar
- 500ml of water
- 900ml total (300ml per tray/mordant)
- Cook on low heat for 30mins
- 60g of cotton yarn
  - (15g x3 ; one for alum, one for iron, one for vinegar)
- Time in: 15:55 Saturday
- Time out: 10:00 Monday
- Total time: 32 hours approx.
- Additional things:
  - At 3pm on Sunday, after 24h, I added in 200ml of hot sage dye into each of the 3 trays as the water had been completely soaked up!

#### Hot pepper /pimentón picante Dye bath

- Powder
- 900ml of water (300ml per tray/mordant)
- Cook on low heat for 30mins
- 60g of cotton yarn
  - (15g x3 ; one for alum, one for iron, one for vinegar)
- Time in: 16:00 Saturday
- Time out: 10:00 Monday
- Total time: 32 hours approx.

### Rinsing

- Rinsed each hank separately with its corresponding piece of lace
- With cold water till the water was clear.
- Then washed in warm water with some detergent for delicates.

### Drying

- I squeezed out the excess water & hung up the yarns to dry.
- I also laid them flat in the sun a bit too