

# CAULDRON PLANTER

## Tools Required to Make this Design:

Scrolling: Mk 3/3 Former  
 Punching: Master Punch/Shear (or XL5+ Power Bender) fitted with 5mm punch block & pin  
 Bending: Master RBR (or XL5+ Power Bender)  
 Rolling: Master RBR (or XL5+ Power Bender)  
 Cutting: Master Punch/Shear (or XL5+ Power Bender)

**SPECIAL NOTE** – If you only have Practical Tools you can still make a similar looking item to this using 20mm x 3mm steel instead. The scroll will need to be produced on the MK2/3 or Mk2/2H scroll former and this may require a slight adjustment to the dimensions accordingly. The rolling and bending can be done on the Practical RBR and the cutting and punching on the Practical Punch/Shear.

### 1 Scrolls 914mm (x 8)

COMPONENT 1

Take all eight lengths of 914mm (3') 25 x 5mm steel and, it is recommended, you first remove any excess oil, grease or scale with a cloth or abrasive paper.

Next, trim the corners on all eight bars then, using a fine tip marker or pencil, mark out on each strip the bend position (B1), and the scrolls points (S1 & S2) and punched hole positions at H1 as shown on the Design Sheet Overleaf.

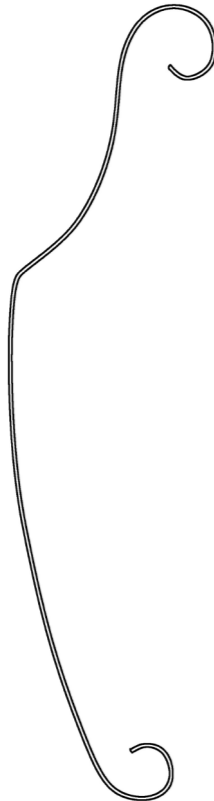
Firstly, using the 3/3 Former, scroll to 'S1' (150mm from bar end), then repeat at the other end and scroll to position S2 making sure you put the steel in the correct way to produce an elongated 'C' Scroll. Repeat this process on the other seven bars making sure that all scrolled lengths are as identical as possible when you lay the resulting 'C' scrolls on top of each other. If necessary make any minor adjustments at this stage.

Next, set up the Master R/B/R for bending and, using Template 1 as a guide, bend at 'B1' (making sure you bend the right way). Repeat on the other 7 'C' Scrolls.

Next set up the Master R/B/R for rolling and this time roll the curve shown on Template 2 between points S1 & B1. Take care to roll on the correct side of the bar and also to achieve the first curve as close as possible to the shape shown in Template 2. Then use the end stop facility to repeat the same curvature on the other C scrolls taking great care to make sure all eight are equal.

In a similar way, roll the curve from B1 to S2 making sure you are rolling on the correct side of the bar. The curve is only a very gradual arc and Template 3 is provided as guidance only as you can put a bit more curvature in if you wish. However, the key thing is again to make sure all eight curves are as identical as possible by using the end stop facility when rolling on the Master RBR (or XL5+ Power Bender).

Finally, take great care to punch (centrally) 5mm holes at points both 'H1' positions. At this stage, check that all 8 component 1's are as identical as you can get them.

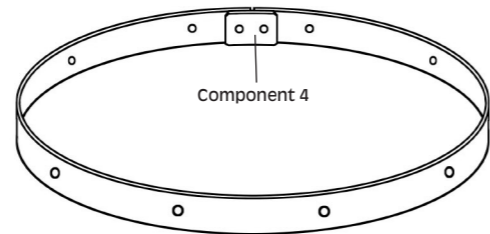


### 2 Large Ring 914mm (x 1)

COMPONENT 2

Take one length of 20 x 3mm steel and mark at all points to be punched as shown overleaf for Component No 2. Next place in the Master R/B/R tool and roll into a ring so that ends just meet.

Then to complete this component punch all holes H2 to H11 using the 5mm punch pin & block.



### 3 Small Ring 370mm (x 1)

COMPONENT 3

Cut down a 914mm length of 20 x 3mm steel to 368mm and mark at all points to be punched as shown overleaf for Component 3.



Next place in the Master R/B/R tool and roll into a ring so that the ends just touch each other punch (centrally) at all points marked using the 5mm punch pin & block. Finally, roll into a circle using the Master R/B/R tool.

### 4 Connecting Strap for Large Ring 40mm (x 1)

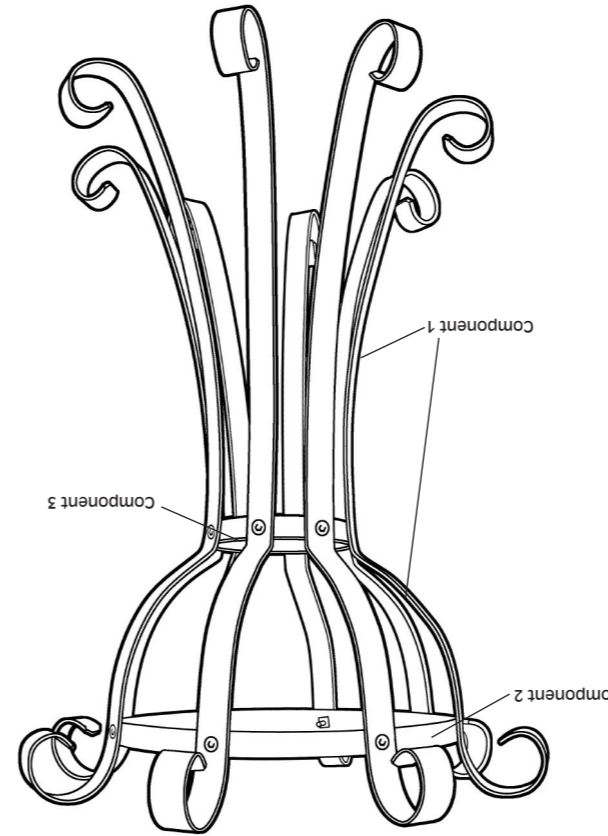
COMPONENT 4

Take the offcut from the Small Ring and cut to 40mm and trim the corners. Then, with the Winding Handle in place for rolling use the Master R/B/R tool, to put a slight curve in it to match the curvature of the large ring formed. A piece this size cannot be rolled, so you are in effect using the Winding handle roller to bend the required curve.

Place on the inside of the Large Ring and mark where the holes 'H2' & 'H11' align on the Connecting Strap and then punch with a 5mm block & pin. Finally nut & bolt this strap to the ends of the Large Ring on the inner face of the ring using the diagram bottom left as a guide.

### 5 Assembly

Using the nuts and bolts provided, attach the eight Scrolls to both the Small and Large Rings as shown below. Please Note: This planter has been designed to accommodate a 12" (approx) flexible Coir or CoCo matting type basket liner, although it may house suitable plastic or ceramic containers (with or without adaptation of the shape of the cauldron). See back page for assembly diagram, alternative designs and finishing tips.



Issue No. 1  
 Dec '11

66 CLOUGH ROAD, HULL HU5 1SR • TEL: 01482 345067 • FAX: 01482 441141  
 email: info@jandcrrwood.co.uk • www.w.metal-craft.co.uk

Copyright of J&CRR Wood 2011. All rights reserved. No part of this publication may be reproduced by whatever means without prior written permission of J&CRR Wood.

**Finishing**  
 The finished item can now be painted in a wide variety of finishes (smooth, satin, hammer and metallic) either by aerosol or by brush application. Powder coating and plastic dip finishes can also be applied but these type of finishes are more for commercial/industrial scale finishing.  
 However, even with aerosol or paint finish you can make your finished item look professional. In this case we used paints from the Plasti-kote and Hammerite ranges – available from most DIY and Painting/Decorating outlets. For best results, always follow instructions on the tin and make sure the metal is free of all scale, dirt, grease or rust.  
**DESIGN ALTERNATIVES** – This design can be easily adapted to suit your preferences. For example you can roll the scrolls so that the legs bow outwards as shown in the top image. Alternatively, if you are producing these on a commercial basis rather than rolling the bottom curves you might elect to use a single bend to splay out the feet instead as shown in the bottom image.

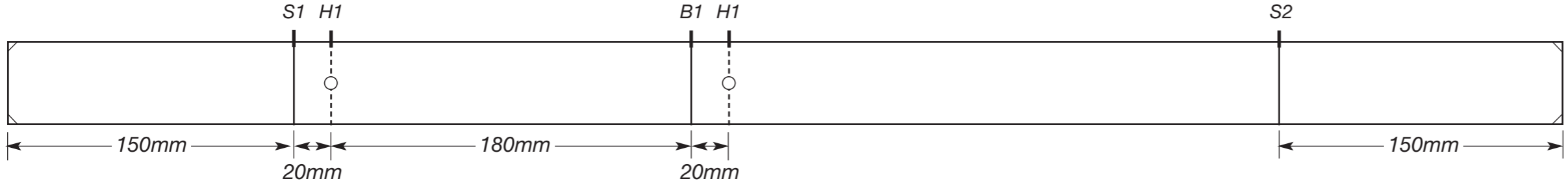


## Design Pack CAULDRON PLANTER

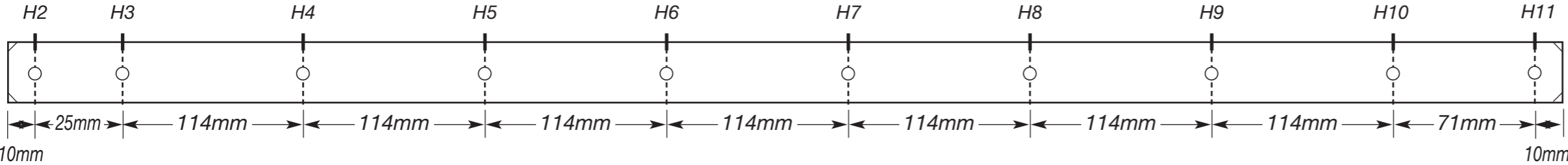
### DIFFICULTY RATING:

|                 |   |
|-----------------|---|
| EASY            |   |
| STRAIGHTFORWARD | ✓ |
| MORE COMPLEX    |   |

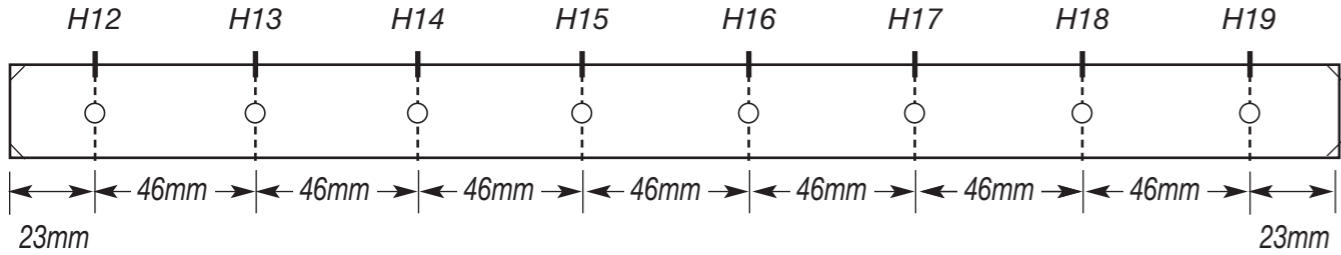
# Design Pack: CAULDRON PLANTER - DESIGN SHEET



COMPONENT No. 1 914mm (25mm x 5mm) x 8



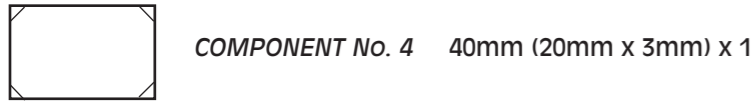
COMPONENT No. 2 914mm (20mm x 3mm) x 1



COMPONENT No. 3 368mm (20mm x 3mm) x 1

**List of Materials Required:**

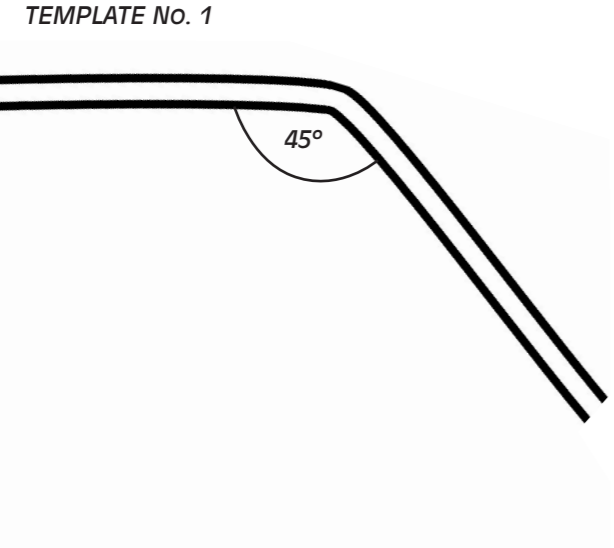
- 2 x 914mm (3ft) Lengths of 20mm x 3mm Steel Strip [Re-Order Ref: MC039]
- 8 x 914mm (3ft) Lengths of 25mm x 5mm Steel Strip [Re-Order Ref: MC040]
- 12mm x 5mm Nuts & Bolts [Re-Order Ref: MC062]



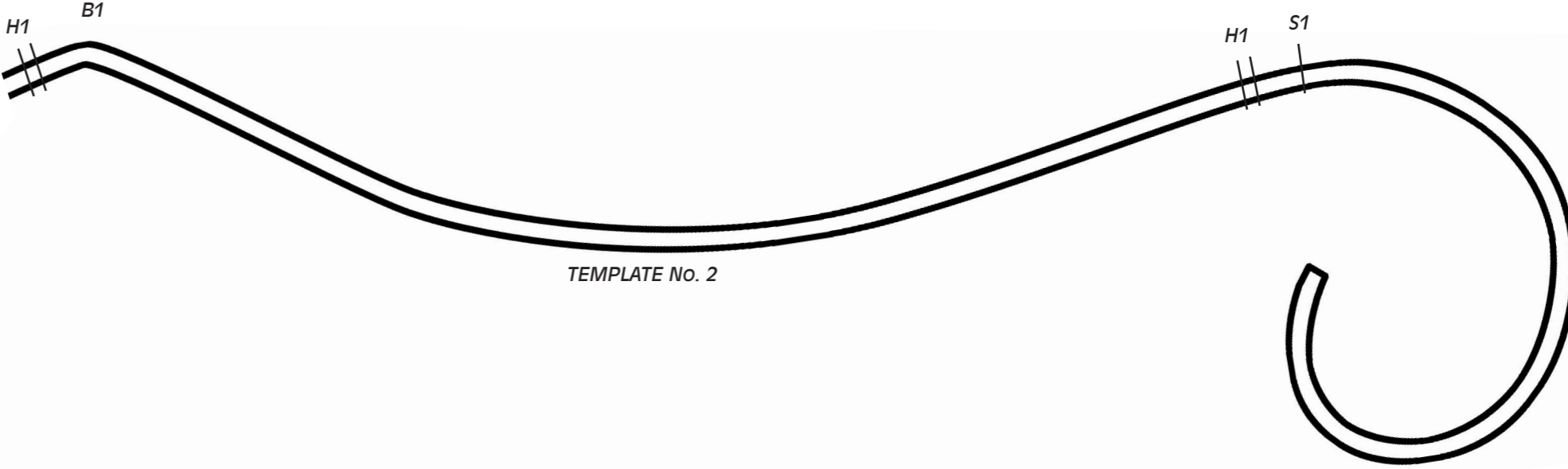
COMPONENT No. 4 40mm (20mm x 3mm) x 1



TEMPLATE No. 3



TEMPLATE No. 1



TEMPLATE No. 2