Classical	Tools Required To Make this Design:		co.uk ● www.metal-craft.co.uk October 2014	
Classical	Scrolling: Mk1/2 Scroll Fe		• TEL: 01482 345067 • FAX: 01482 441141	
Clock		n/Shear, (or Master Punch/Shear or XL5+ fitted with 3mm punch block & pin)	8	
OICCR	Cutting: Practical Punc	h/Shear (or Master Punch/Shear or XL5+		
	Power Bender Riveting: Practical RBR			
	Bending: Practical RBR			
		(or Master RBR) purchased this Design Pack from Create & Craft, to attach clock		
	face to inner frame you will also suitable for gluing metal to metal	equire a drill with 3mm Drill Bit or a good epoxy resin adhesive		
We recommend that before starting	0 0	so that they are free of grease, scale or dirt. After cutting any		
		neater finish, if preferred, unless stated otherwise in the instruc- b, bend, scroll, roll points on the bars.		
tions. Ose a line tip market pen, per			jerit Deoue	
Component 1 Outer Half	Ring (x 2)	Component 5 Scrolls (x12)	no/	
15mm x 3mm	n x 750mm	10mm x 1.6mm x 400mm	Jnc	
		Cut 12 lengths of 400mm out of 6 lengths of 10mm x 1.6mm		
Cut two lengths of 750mm out of two 3mm steel as shown on the Design		and mark out scroll positions S1 and S2 using the Design sheet overleaf. Then using the Mk1/2 Scroll Former, form a	SSI SSI	
each length into a complete semi-c	ircle of diameter 475mm	scroll at one end so that the mark S1 on the steel just	an- na	
(approx) to form the two halves of t Note, if you over roll this piece flip		touches the segment on the scroll forming tool. Repeat at the end with scroll S2, taking care that you form a C scroll.		
place back into the rollers of your R	BR and straighten the	Then using the RBR, roll a curve between marks S1 and S2	turers	
material to start again. Lay out the plete circle. (Note for those with 6f		so that scroll is a close match to Template 4 and approx. 138mm across. Repeat the process to make all 12 scrolls.	y aero-	
you can make the roll the outer ring	as one piece out of a	Assembly		
1500mm length. In which case you component 2).	only need to make one	Assembly		
		Firstly take your inner ring (Component 3) and rivet the clock face tabs into the inside of the ring leaving enough room for the clock		
Component 2 Outer Rinc	Joining Strap (x2)	face to fit. Place the upside down inner ring over the clock face and mark the hole positions. Drill a 3mm hole where marked on the		
10mm x 1.6m		clock face allowing you now to assemble using nuts and bolts. (Note if you have purchased this as design pack from Create &		
		Craft, the clock face is specially pre-punched so attach the tabs to		
Cut one length of 70mm out of 10m half way point C1. Now roll a slight		the clock face first and the hole on the leg of the tab should line up with hole H1 on Component 3—if it doesn't quite line up re-punch		
as shown in Template 1 on the Des carefully place in the Punch/Shear	sign sheet overleaf. Then	hole in Component 3 required to attach the tab.		
C1. Offer each strap to the inside of		Once the inner ring (Component 3) is assembled to the clock face		
Outer Half rings where they meet a	Ind mark out hole posi-	with nuts & bolts, place in the centre of the large ring (Components 1 & 2) ensuring the joints in the large outer ring are placed at the	AD Y ON	
tions to fix ring together ensuring the closed. Rivet the strap bar to the in		12 and 6 o'clock positions and the gap in the inner ring is at the 6 o'clock position. Place all twelve scrolls in position using the main		
shown in Template 2 to create a co	omplete circle	diagram as a guide. Some scrolls may need altering slightly in		
		order for a better fit. This can be done by hand manipulation as it is light gauge steel or by careful re-rolling in the RBR.		
		Now that the scrolls are all in position carefully mark fixing posi-		
Component 3 Inner Ring		tions as shown on the main Template 5 (note-where scrolls touch		
15mm x 3mm		inner ring it is not essential that every scroll is riveted to the inner ring. To save time, rivet every second scroll.) Taking one piece out		
Cut one length of 622mm out of 15r both H1 hole positions as shown or		at a time to punch will ensure an accurate alignment for holes ready for riveting. Remember to adjust the platform on the Punch/		
leaf. Note that you will have to set the	he punch/shear platform	Shear to ensure holes are always punched on the centreline when changing between 10mm x 1.6mm and 15mm x 3mm material.		
to punch the holes 5mm in from one Once the holes have been punched		Once all holes are punched, assemble together using nuts and		
component into a complete circle to		bolts placing the decorative Fleur de Lys in the correct position. Finally, remove each nuts and bolt and replace with a rivet and		
clock.		rivet the joint one at a time.		
		Once you have finished riveting your clock you can apply a colour		
Component 4 Object (using the appropriate paint (see note on back of leaflet). When that is dry use a strong adhesive to glue chapter ring dial onto the clock		
Component 4 Clockface	, , ,	face. Then attach the quartz clock movement and rubber washer to the back of the clock with the spindle point out of the centre of the		
10mm x 1.6m		clock. Fix in place with brass nut on the spindle and the attach		
Cut two lengths of 20mm out of 10 out both hole positions H1 and ber		hour, minute and second hand to the end of spindle to finish your own beautiful hand made classical clock.		
Design sheet overleaf. First bend a	a 90° angle at B1 using			
Template 3 on the design sheet as				
positions H1 and repeat for the oth				

Difficulty Rating:	
Easy	
Straightforward	
More complex	\checkmark

Classical Clock

Design Pack

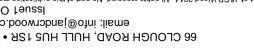
meta <mark>craft</mark>

<u>Painting</u>

The finished item can now be painted using a suita paint for metalwork in a variety of finishes either by sol or by brush application. Use the paint manufact guidelines on preparation and number of coats.

This classic has been painted in an attractive a tique hammer finish to give a real touch of clast and stylish enough to grace any room.

Time will fly as you make this clock and with o range of accessories and clock components y can adapt the design as you see fit. Here som has chosen to change the orientation of the Fl De Lys for a different effect.



Design Pack: Scrolled Clock - Design Sheet

Not to Scale:

