



CELTIC ART  
The Methods  
of CONSTRUCTION

GEORGE BAIN

CONSTABLE LONDON

Celtic Art is the only indigenous British art form of world significance and this book is a graphically eloquent plea for the establishment of this great national art to its rightful place in schools and colleges where the history of ornament is being taught.

Until recently, the classical orientated art world has regarded the abstract, ikonographic and symbolic style of the Celtic artist as something of an enigma, a mysterious archaic survival largely ignored in histories of art. The modern trends away from realism and the interest of the younger generation in psychedelic and art nouveau styles provides favourable ground for the Celtic art revival which the widespread interest in this new edition seems to indicate is possible.

When this book first appeared it was hailed as a "veritable grammar of ornament." It is certainly an indispensable reference book and practical textbook for the art student and craftsman seeking simple constructional methods for laying out complex ornamental schemes.

The entire chronology of symbols is embraced from spirals through chevrons, step patterns and keys to knotwork interlacings which are unique to this particular Celtic School. There are also sections dealing with zoomorphics, plant and human forms, authentic Celtic lettering, initials and terminals and examples of applications in knitwear, carpets, ceramics and other areas in which the author pioneered in his day.

This book deals with the Pictish School of artist-craftsman who cut pagan symbols like the Burghead Bull and in the early Christian era designed such superb examples of monumental sculpture as the Aberlemno Cross and the counterparts in the Books of Kells and Lindisfarne, the amazing jewellery conceptions of the Tara and Hunterston Brooches, the Ardagh Chalice and other masterpieces.

Knotwork Interlacings, owing much of their perfection and beauty to the use of mathematical formulae, are unique

0 09 461830 5

£8.95 net

to Pictish Art and are found nowhere else than the areas occupied by the Picts. The outstanding achievement of their art was the subtle manner in which they combined artistic, geometric and mathematical methods, (often in the manuscript art, to standards of minuteness and intricacy beyond the skills of moderns) with magic, imagination and logic, the function being both to teach and adorn.

Although incidental to the main educational purpose of this book, there is also an implicit challenge to the art historian and archaeologist. The author frankly admits that the evidence such researches into the art have revealed of a hitherto unsuspected culture of much sophistication in pre-Roman Britain, pose as many questions as are answered.

Who were the Picts? Whence the Asiatic origins of Celtic Art? How does a La Tène cloisonné enamel effect glow on Lindisfarne vellum a thousand years later? Why can a 20,000 B.C. key pattern survive the drift of migrating tribes through the millenia of archaic craft traditions to appear in the Book of Kells and a Maya temple?

The instinct to ornament is one of the most basic human impulses that seems to have atavistic roots in the primeval creative and imaginative characteristics that separate man from beast.

George Bain clearly demonstrated in his classrooms, to judge from pupil's work here illustrated, that through practice and application in his methods of constructing decoration, anyone with the initial interest can release this innate instinct to beautify and mark out the impress of their individuality that has been a quality in man since the neolithic times of the cave artist and still finds expression through the subconscious outlines of the phone-pad doodler.

Also available from Constable:

**Celtic fairy tales**  
**More Celtic fairy tales**  
Edited by Joseph Jacobs

**Celtic design colouring book**  
Ed Sibbett, Jnr

**Celtic Knotwork**  
Iain Bain

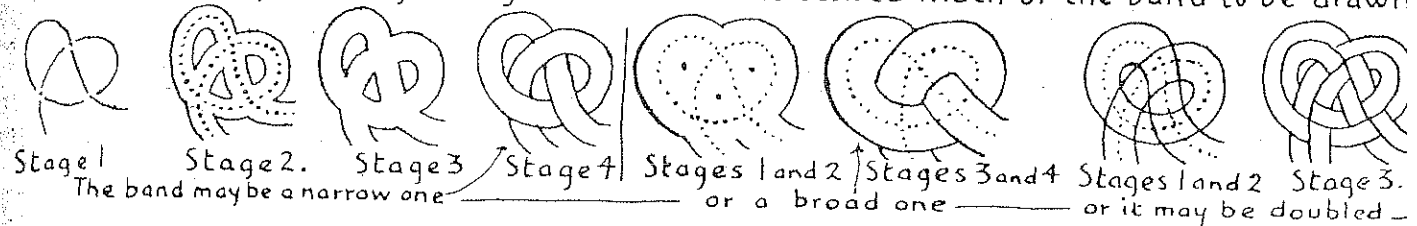
ISBN 0-09-461830-5



9 780094 618305

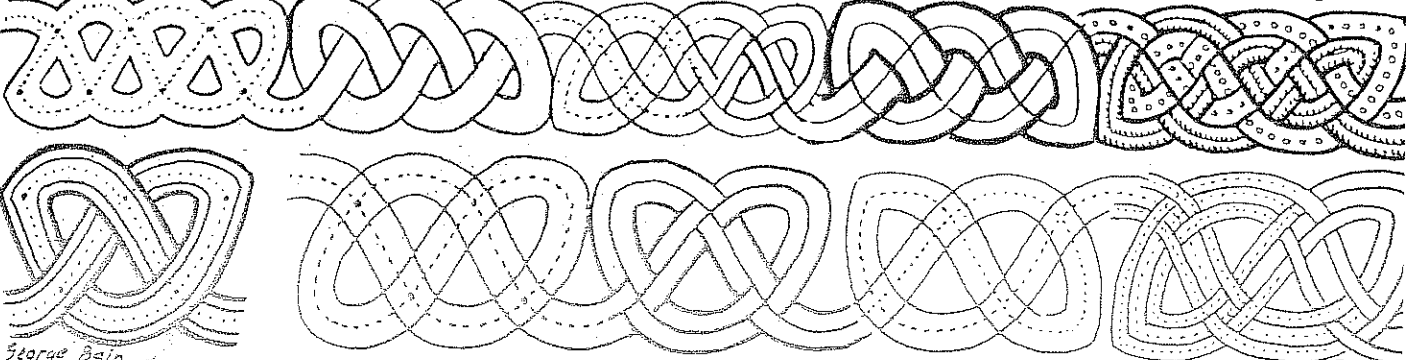
# The general principles for designing Celtic Knotwork. (Pictish School)

Freehand knotwork bands may be done if two lines only are crossed at one point and if each of the enclosed shapes is large enough to allow for the desired width of the band to be drawn.

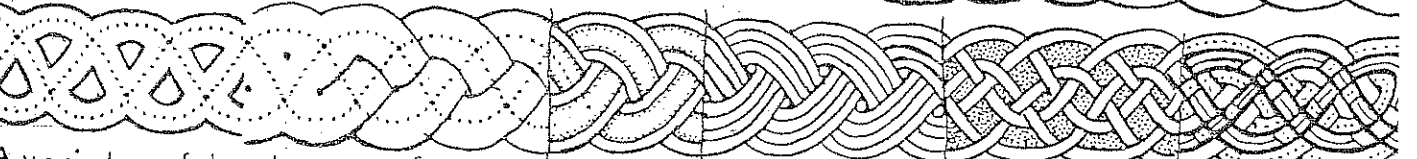
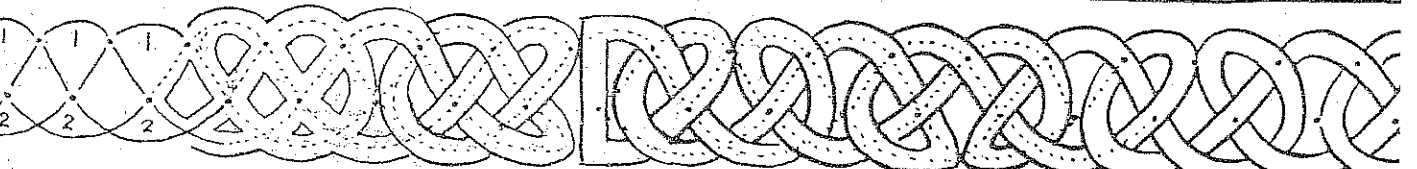


This may be the method of the Pictist artist. | Arch one space above and below | Break and rejoin in various ways. | Form band | Remove centre line | Interlace, over a under, alternate

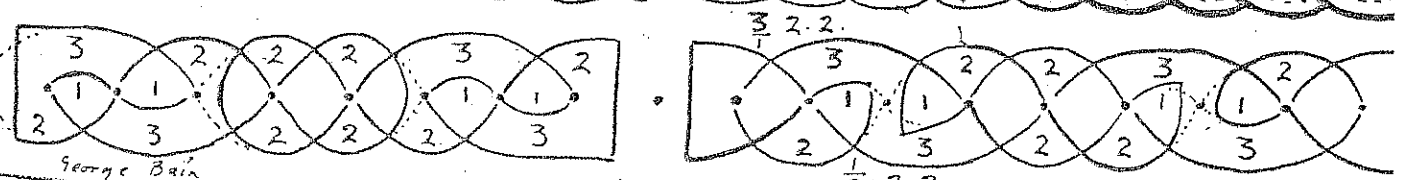
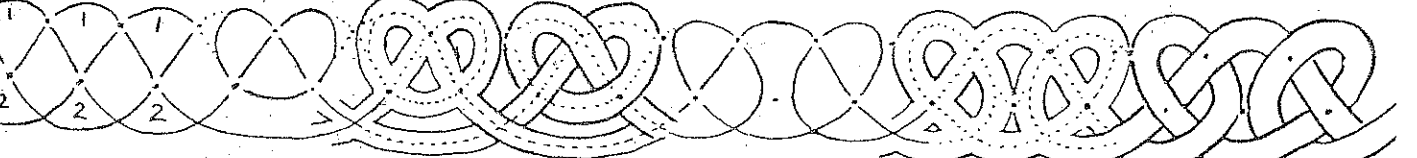
The stages of various treatments are shown below. Narrow, broad and doubled interlacing band



# The general principles of the methods of construction for Celtic Knotwork

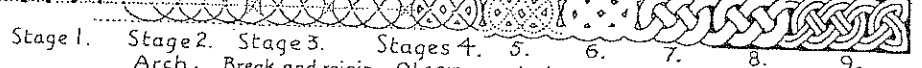


A variety of treatments of the three band plait or "dirk handle twist".

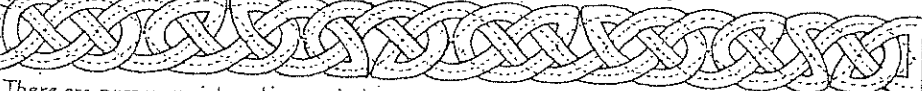


# The Methods of Construction of Celtic Knotwork Art.

Commence with a row of equidistant points, then arch over and under in 2 spaces.



Stage 1. Arch. Stage 2. Break and rejoin. Observe each change closely.



There are numerous interesting variations. The breaking and rejoining must form knots, not rings.



Designs for carving, embroidery, quilting, leatherwork, rug-making, jewellery may be made. Those below are in one band, or in double bands.

George Bain

Stage 1. Stage 2. Stage 3. Stage 4. Thin line. Next stage or. Next stage.

By breaking and rejoining other designs may be made. An attempt should be made to use the designs.

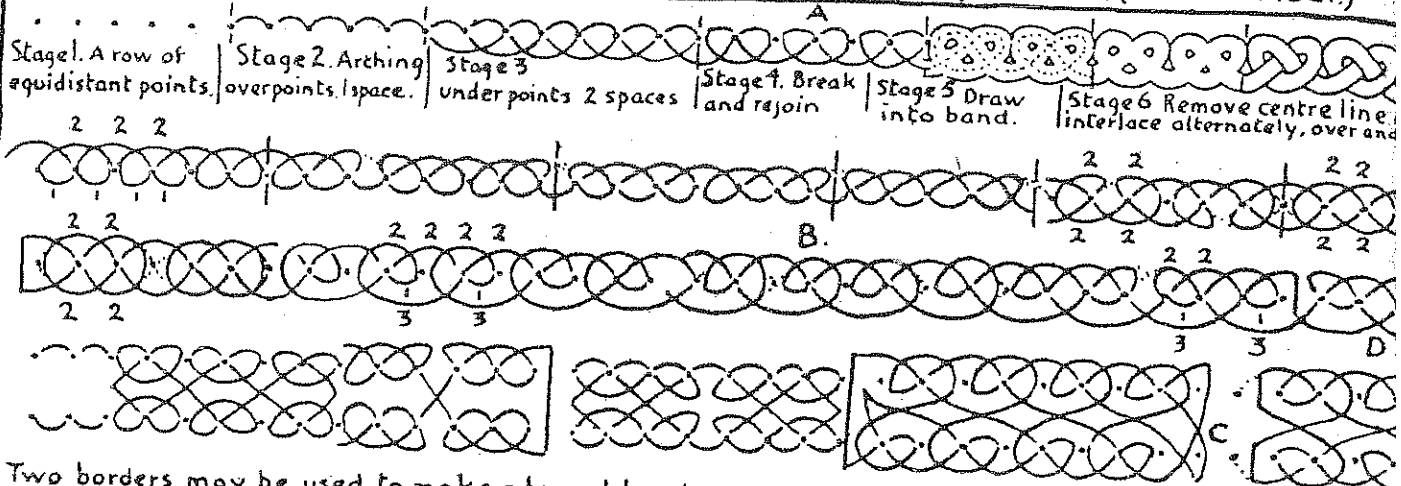
by applying them to Craft-Work.

The width of the bands depends on the size of the smallest space.

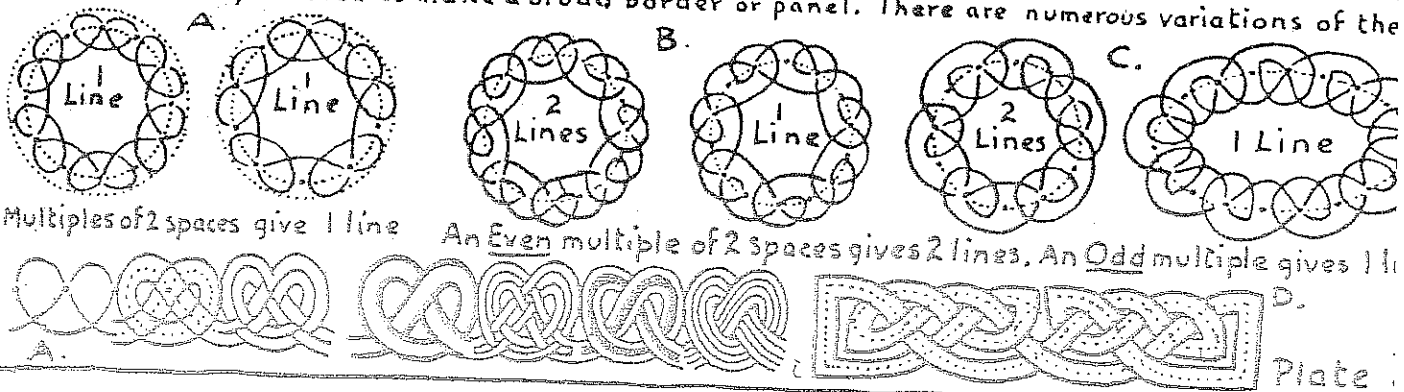
This is a good exercise in interlacing. It is suitable for Quilting, Embroidery, Wood and Metal work on large or small scale.

Plate B

# The methods of construction for simple Celtic Interlacing Borders, (Pictish School) <sup>See</sup>

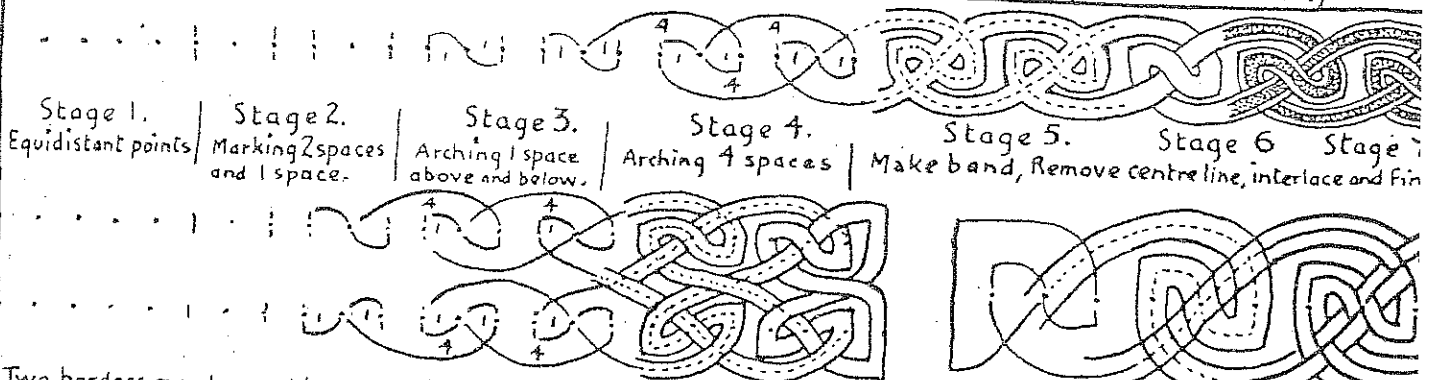


Two borders may be used to make a broad border or panel. There are numerous variations of the

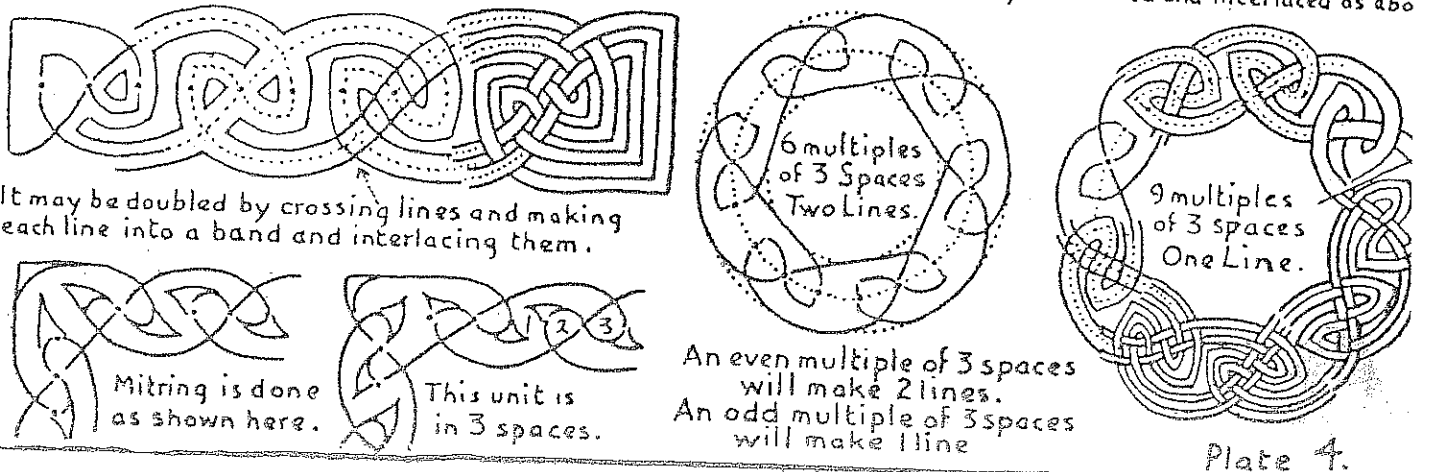


Multiples of 2 spaces give 1 line. An Even multiple of 2 spaces gives 2 lines. An Odd multiple gives 1 line.

# The general principles for designing Celtic knotwork borders, (Pictish School) <sup>George B.</sup>



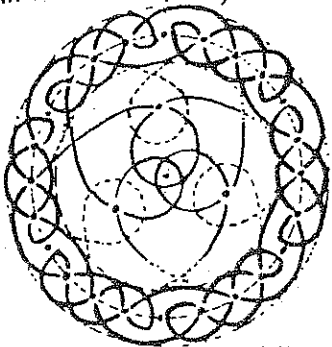
Two borders may be used to make a broad border by joining as above. The band may be doubled and interlaced as above.



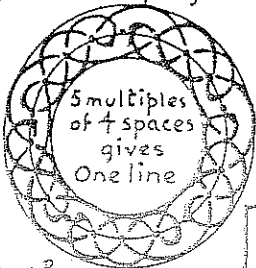
# The methods of construction and of application to craftwork for simple Celtic Interlacings



Stage 1. This unit is in 4 spaces. An even multiple gives 2 lines.

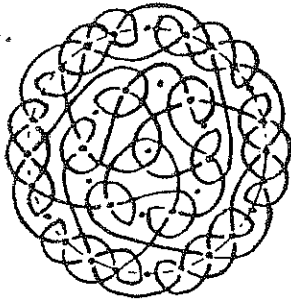


An odd multiple gives 1 line



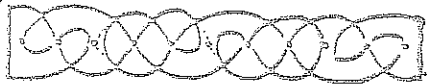
5 multiples of 4 spaces gives One line

Stage 2.



Circles may be filled by breaking the lines of the border and rejoining to interlacings drawn in the centre.

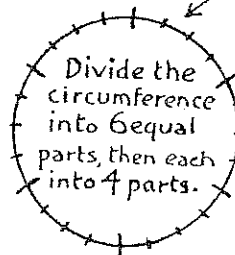
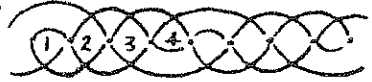
Designs of this nature are very suitable for metal-work, jewellery, embroidery, quilting, rugmaking, carving, pottery, etc.,



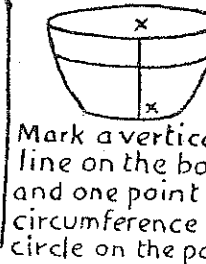
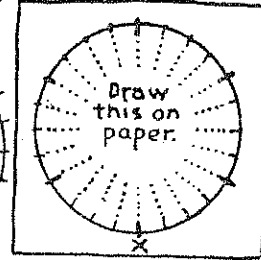
Stage 3.

Stage 4. A variation by different breaking and joining. Below, The method of applying a border design to a cylindrical object.

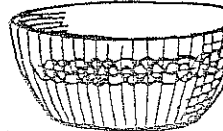
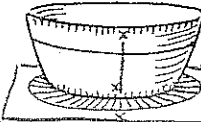
1<sup>st</sup> The number of Spaces required for the unit is arranged in the desired multiple.



Divide the circumference into 6 equal parts, then each into 4 parts.



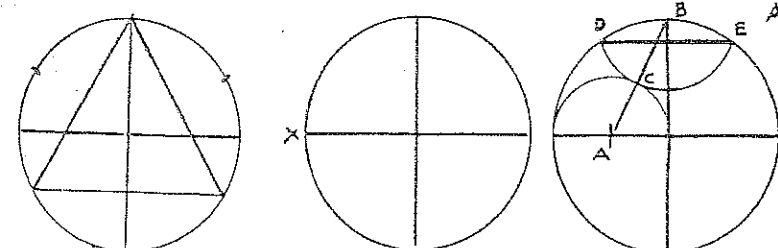
Mark a vertical line on the bowl and one point circumference circle on the paper



Place on circle with the marked line X to fit, The same order will give a variety of designs. Draw line or lines around bowl in desired position. Plate

George Bain

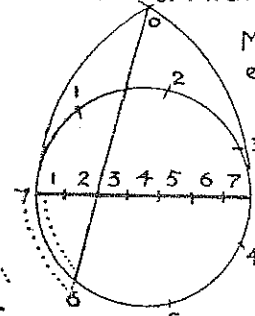
# The methods of construction of Celtic border designs and of their application to circles.



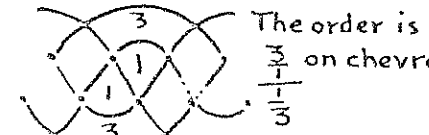
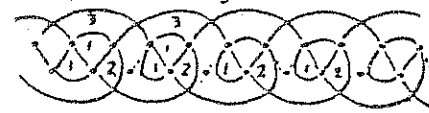
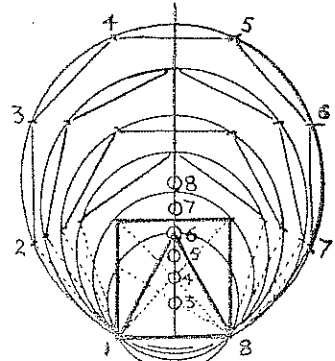
The division of the circumference of a circle into 2, 3, 4, 6 or 8 equal parts, requires little explanation

To divide into 5 equal parts. First divide into 4 equal parts, with centre A describe semi-circle. Draw line A to B. With radius B.C. find points D.E. = 1/5 of Circumference.

Absolute accuracy of division of a circle is not necessary, but in many cases, such as the pentagonal division of the underpart of the base of the "Ardagh Chalice", accuracy is observed. The method below may have been in use before the time of Archimedes. It is very nearly accurate



Mark the required number of equal parts on the diameter. Find point O and draw a straight line through point 2. (always) on the diameter. The intersection with the circle gives the size that divide the circumference in the required number of parts

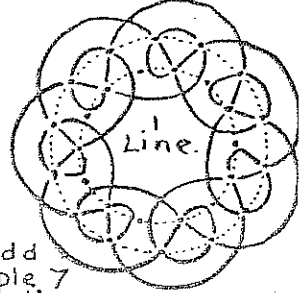
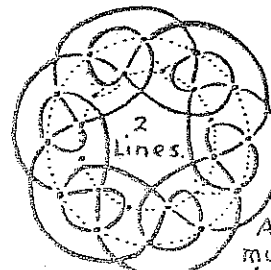


This unit is in multiples of 2.

The order is 3/1-1/3 on chevron.

Circles or figures based on circles may be drawn by the above method. The side of the square is also the side of the eq. triangle. A circle is described through corners of each and a line equally dividing both is extended at right angles to the common base. The space between centres 3 and 4 is repeated above to the number required.

An even multiple 6 gives 2 lines



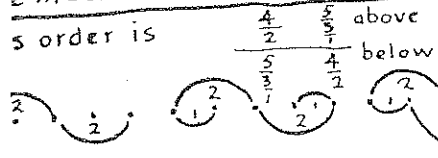
An odd multiple 7 gives 1 line.

Plate

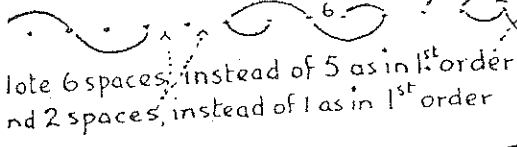
George Bain

# 2 methods of construction for Celtic Knotwork Borders. (Pictish School.)

5 order is



Stage 1. Stage 2. variation of the order



Note 6 spaces, instead of 5 as in 1<sup>st</sup> order and 2 spaces, instead of 1 as in 1<sup>st</sup> order

Stage 3.

Stage 4.

Stage 5.

Narrow

Broad.

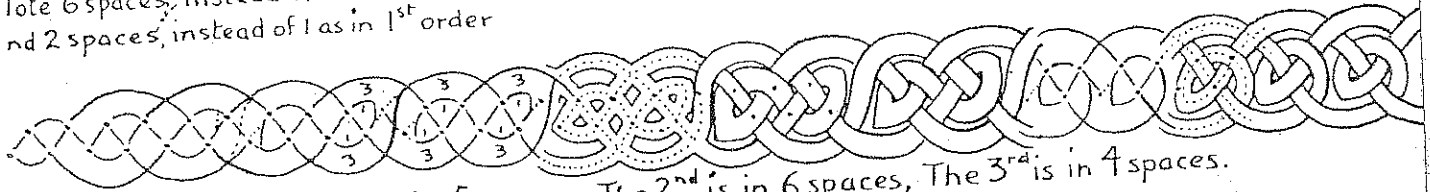
Stage 3.

Stage 4.

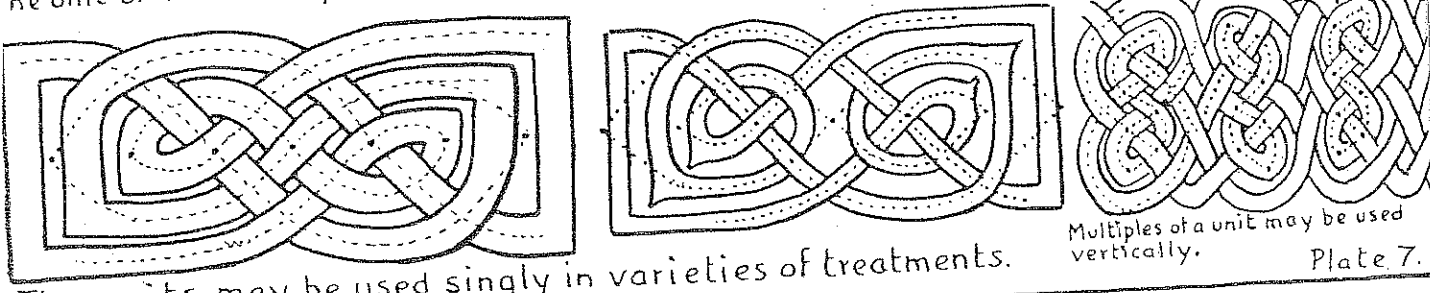
Stage 5.

Narrow.

Broad.



The unit of the 1<sup>st</sup> example is in 5 spaces, The 2<sup>nd</sup> is in 6 spaces, The 3<sup>rd</sup> is in 4 spaces.



The units may be used singly in varieties of treatments.

Multiples of a unit may be used vertically. Plate 7.

# The methods of construction of Celtic Interlacing Borders, (Pictish School.)

If these are not the identical methods of the ancient artists, then somewhat similar though easier ones were used

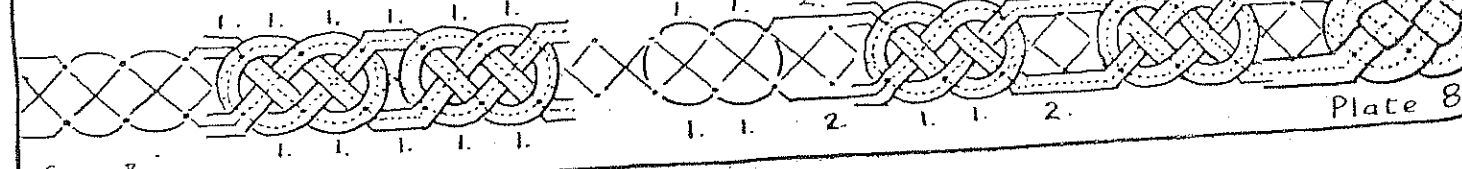
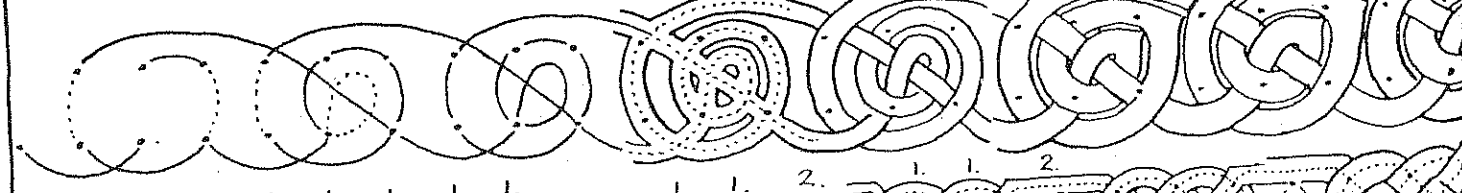
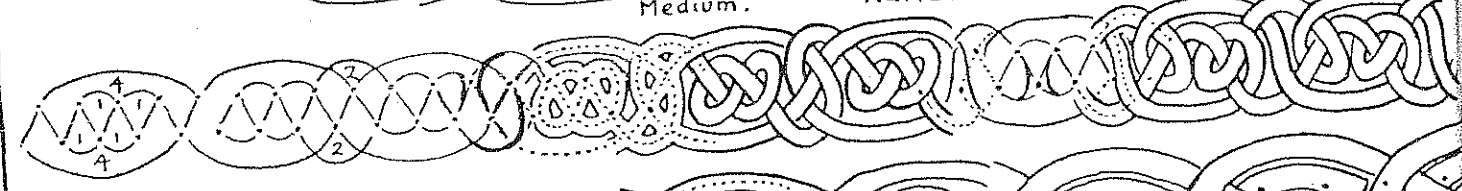
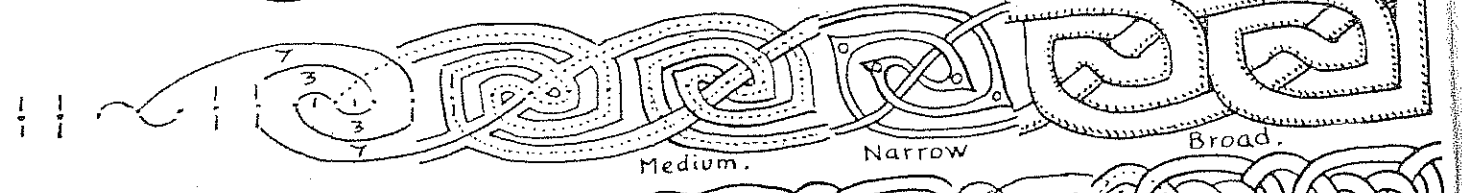
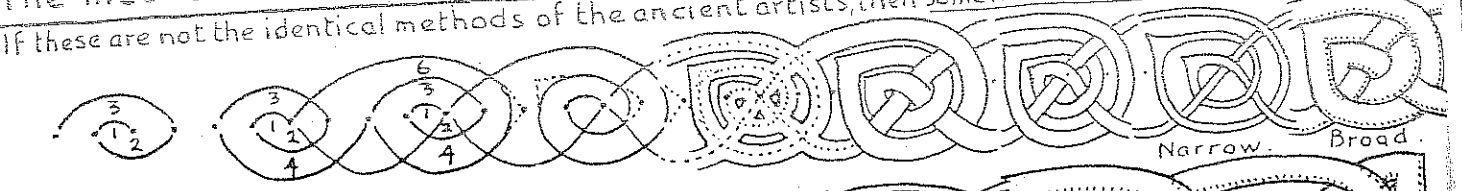
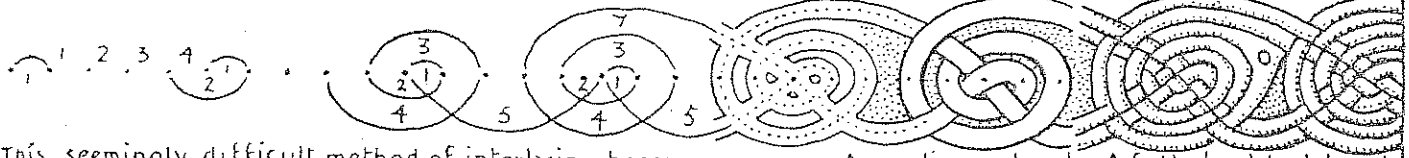


Plate 8.

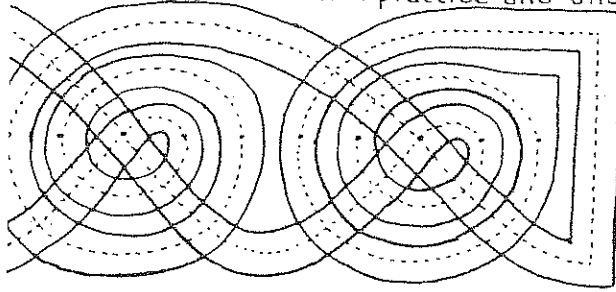
Methods of Construction for Celtic Interlacing Borders, (Pictish School.) George Bain

is a variation of N°1 Plate 8. It is an adaptation of a spiral to interlacing.

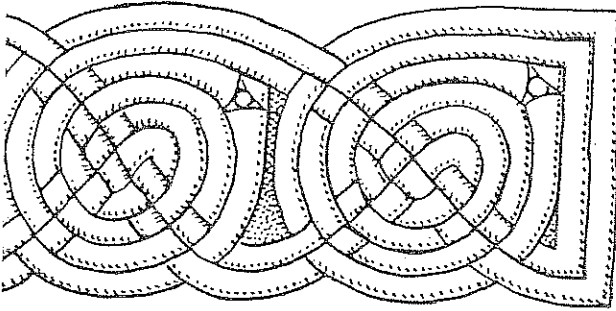


This seemingly difficult method of interlacing becomes easy with practice and understanding.

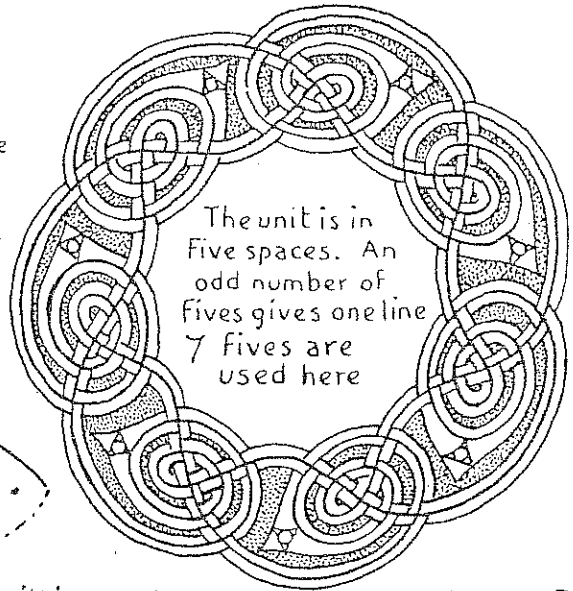
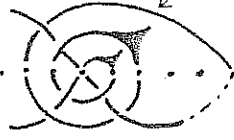
An ordinary band. A full doubled band



Equidistant from and on each side of the first line draw a line. This will make two bands. Interlace at all crossings.



It may be drawn as a spiral and incised in a thin line as shown here

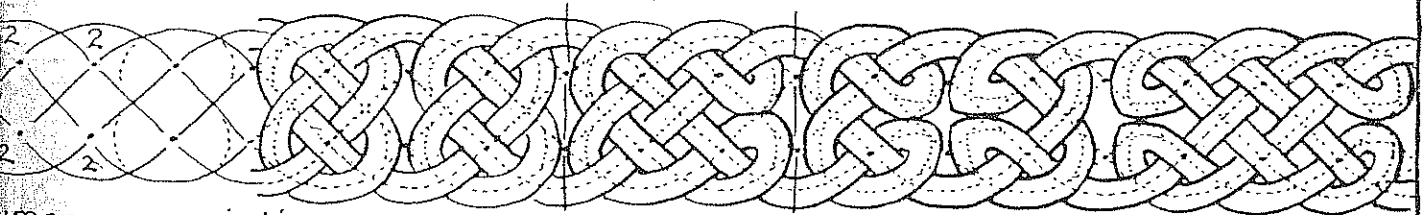
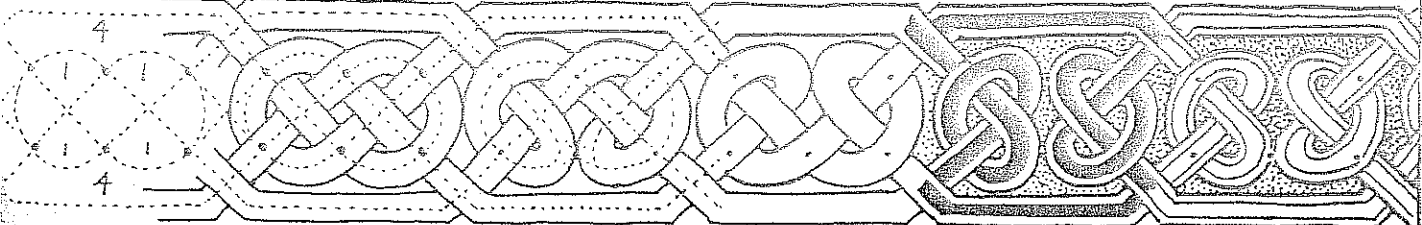


The unit is in five spaces. An odd number of fives gives one line. 7 fives are used here

Units are used to show suitability to carving, jewellery, quilting and other crafts.

Plate 9.

Methods of construction for Celtic Interlacing Borders, (Pictish School.)



Numerous variations may be made on two rows of points

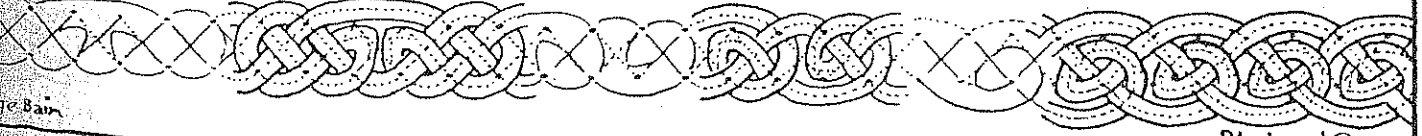
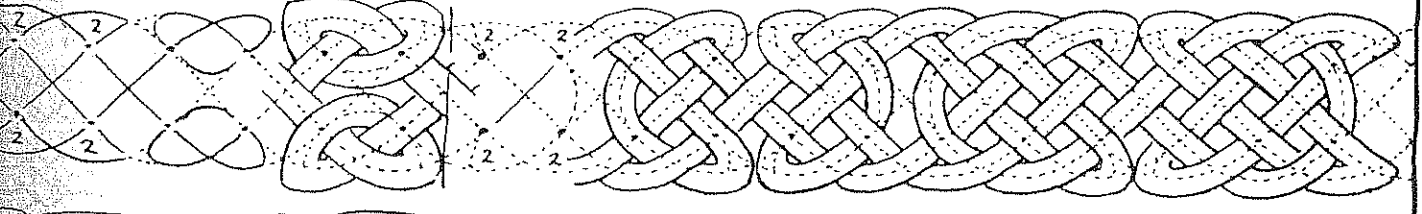
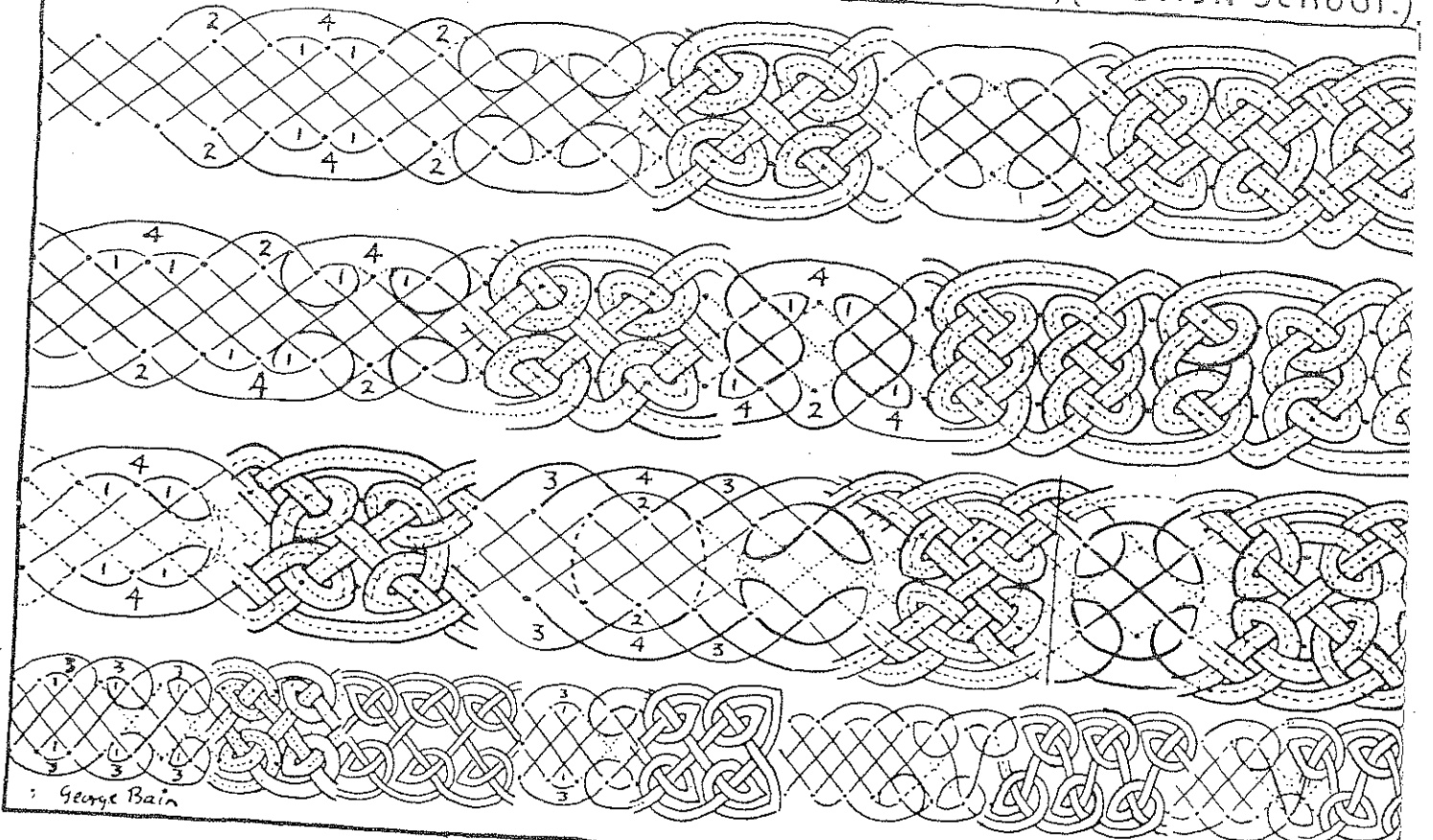


Plate 10.



The methods of Construction for Celtic Borders, (Pictish School.)

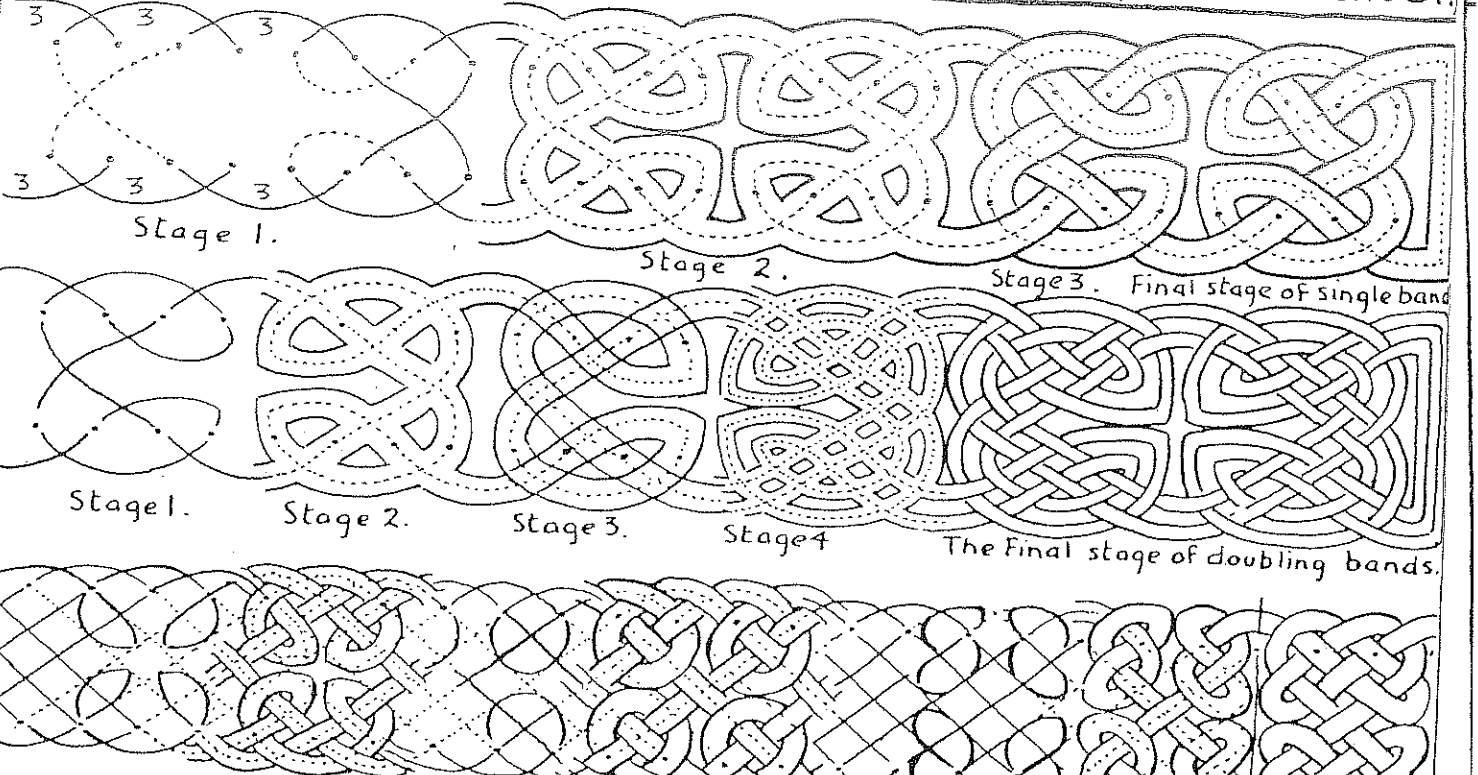


George Bain

Plate II.

The Method for doubling Celtic Interlacings, (Pictish School.)

George Bain



Stage 1.

Stage 2.

Stage 3. Final stage of single band

Stage 1.

Stage 2.

Stage 3.

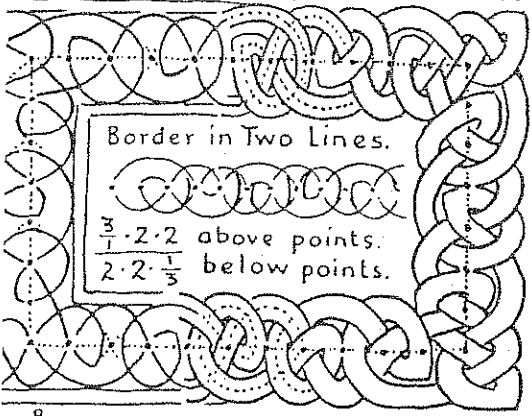
Stage 4

The Final stage of doubling bands.

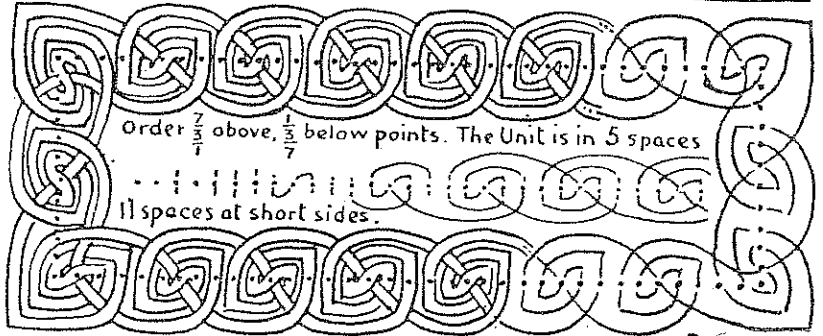
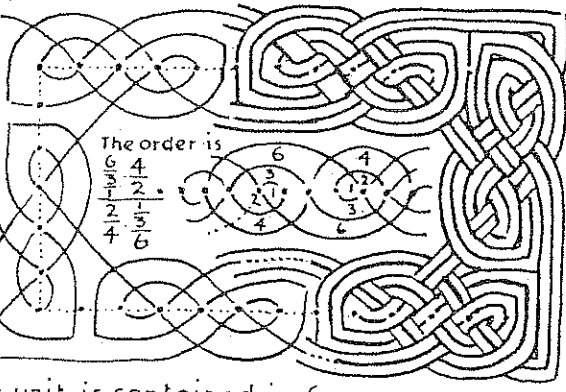
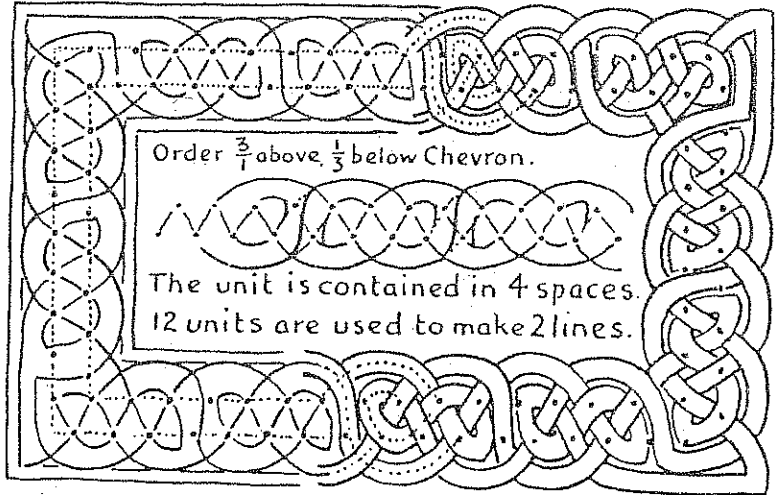
Here are a few exercises to be continued to the double band stage. Plate 12.

Methods of mitring Celtic Knotwork Borders, (Pictish School.)

Mitring may be done by a reversed action turnover at 45° or any angle. Adjustments will be required.



These four examples show continuous action in the borders.



The unit is contained in 6 spaces.

Plate 13.

Methods of mitring Celtic Knotwork Borders, (Pictish School.)

George Bain.

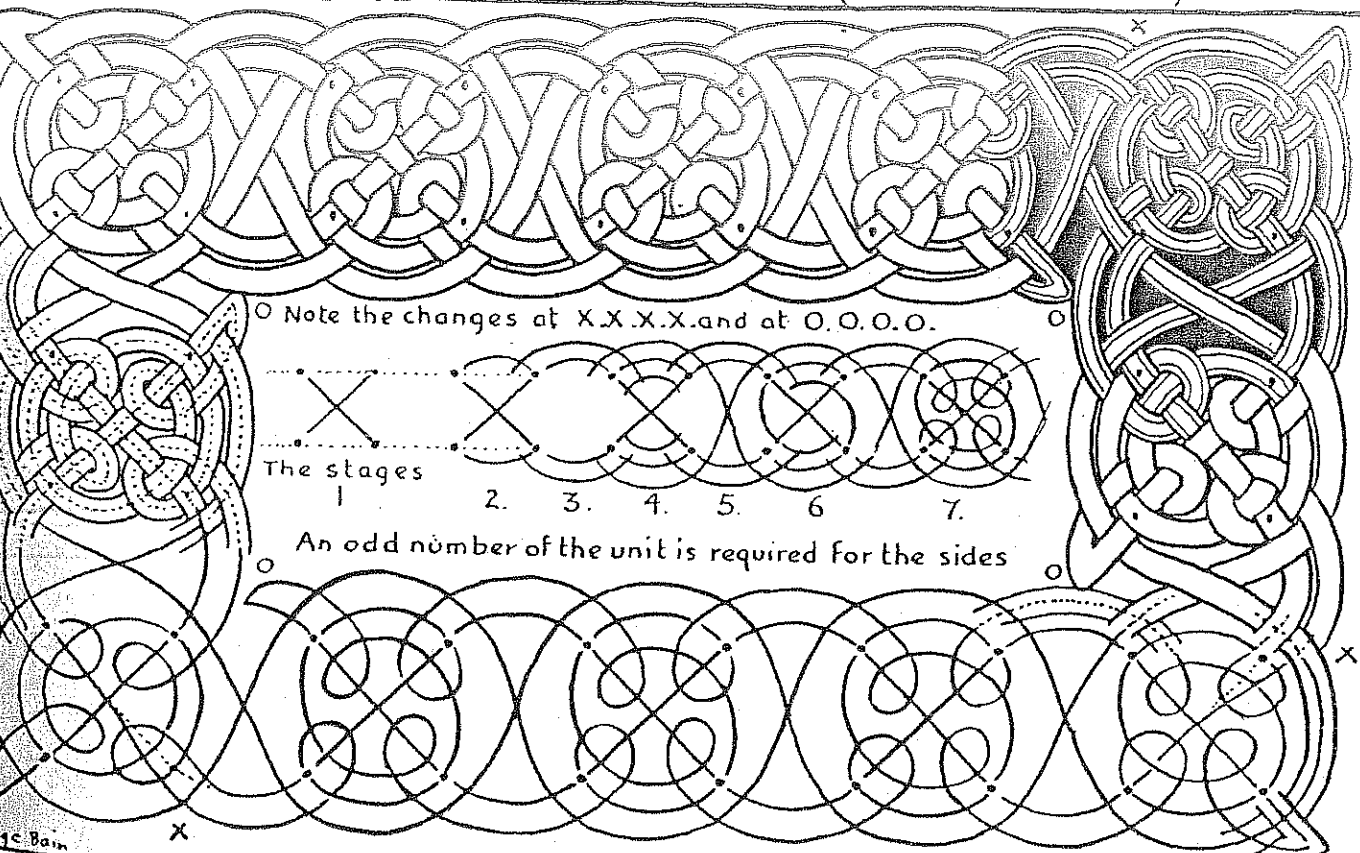
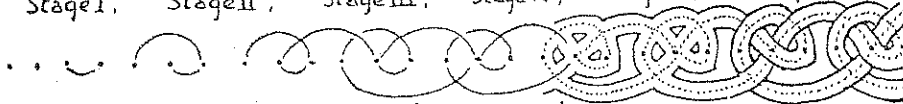


Plate 14.

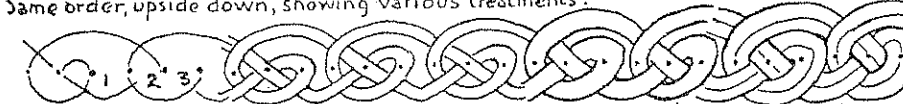
ONE OF THE NUMEROUS METHODS USED BY THE PICTISH ARTISTS TO CONSTRUCT THEIR ORNAMENTS,  
 GEORGE BAIN

INTERLACINGS FROM THE MONYMUSK RELIQUARY

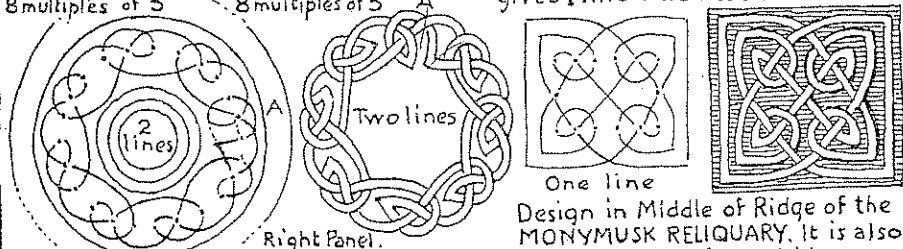
Stage I, Stage II, Stage III, Stage IV, Stage V, Stage VI.



Same order, upside down, showing various treatments.



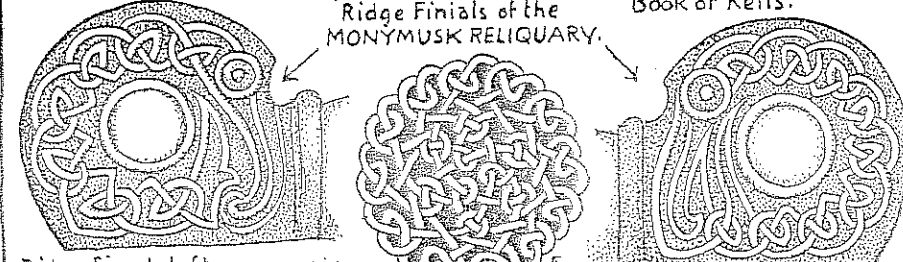
The Unit is contained in 3 spaces. An EVEN multiple gives 2 lines, an ODD multiple gives 1 line when used in a circle



Left Panel.

For an unknown reason the order is broken and rejoined at A.

Design in Middle of Ridge of the MONYMUSK RELIQUARY. It is also on a sheep's bone from an Irish crannog and in various Irish Mss. including the "Book of Kells".

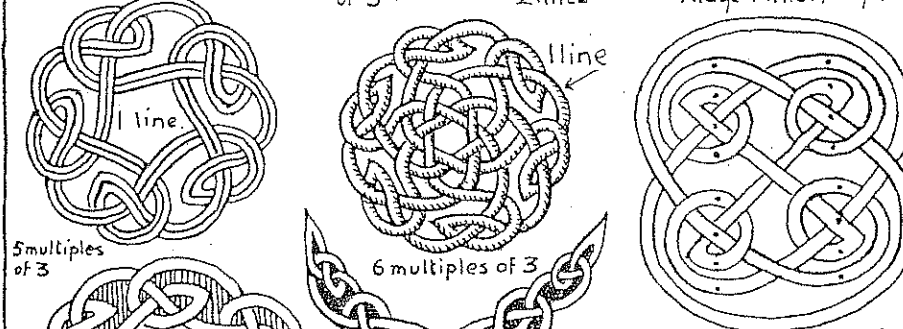


Ridge Finial, left

12 multiples of 3

2 lines

Ridge Finial, right.



5 multiples of 3

2 lines

6 multiples of 3

4 multiples of 3. 1 line

6 multiples of 3.

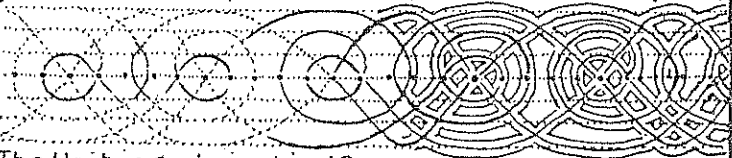
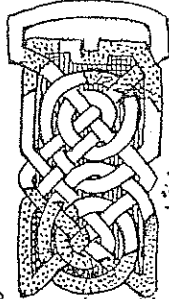
5 multiples of 3

2 lines

NUMEROUS DESIGNS MAY BE MADE BY THE PICTISH METHODS, SUITABLE FOR CARVING, METALWORK, JEWELLRY, POTTERY, QUILTING, LEATHER WORK, ETC.

ONE OF THE NUMEROUS METHODS USED BY THE PICTISH ARTISTS TO  
CONSTRUCT THEIR ORNAMENTS, GEORGE BAIN

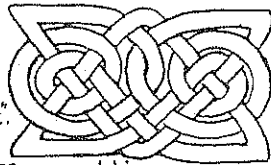
The order of the So-called Viking Ornament, from Lewis, erroneously described as such in The Royal Commission of Ancient Monuments, Outer Hebrides, Skye, etc. It is a Pictish Ornament (Viking Loot)



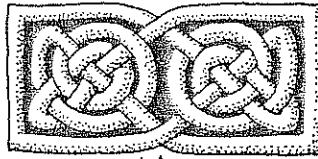
The Unit is contained in 10 spaces.

Reconstruction of the so-called Viking Ornament.  
1 Line

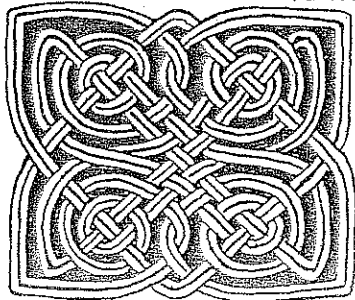
Stippled parts are missing



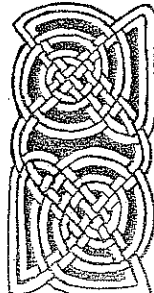
1 Line



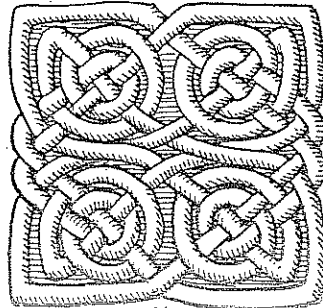
2 Lines



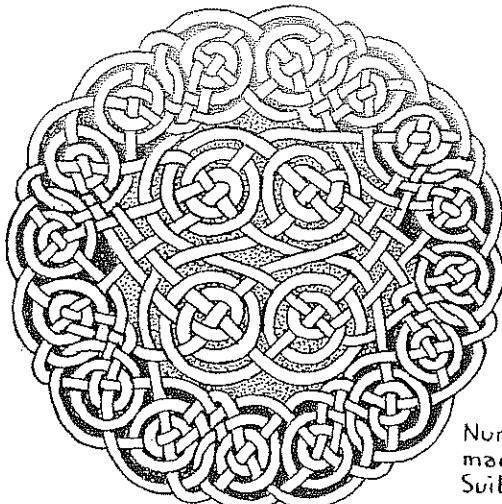
1 Line



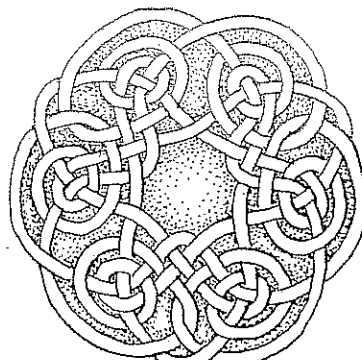
1 Line



4 Lines



8 multiples of 10 spaces.  
The outside border is in 4 lines.  
The addition of the centre makes the complete design into 1 line.



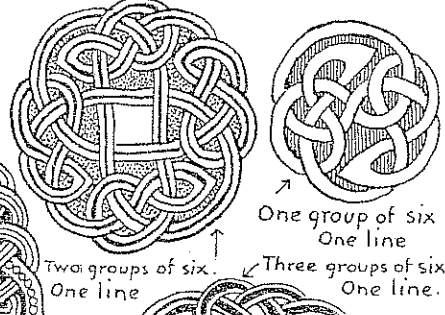
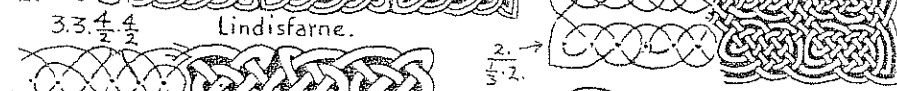
3 multiples of 10 spaces. 1 Line

Numerous original designs may be made by the Pictish methods, Suitable for Carving. Metal work, Jewellery. Pottery. Embroidery. Quilling. Leatherwork. etc.

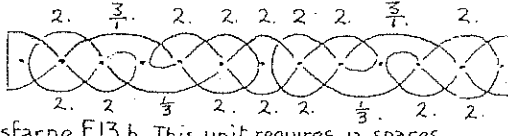
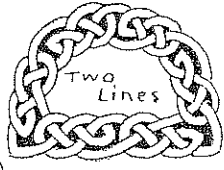
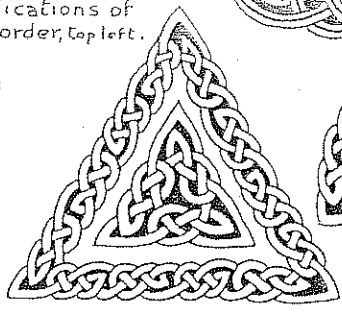
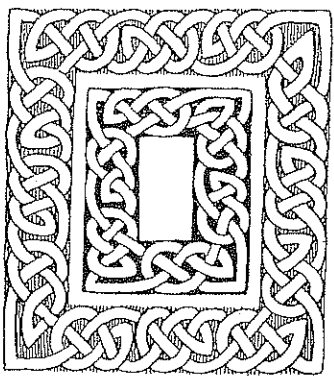
Plate D

Pictish knotwork borders from Gospels of Lindisfarne and Book of Kells.

Lindisfarne, F.13,b and F.14. Compare with Book of Kells, Plate VI, "Studio"



Six groups of six spaces. Various applications of Two lines Lindisfarne order, top left.



George Bain. Lindisfarne F.13,b. This unit requires 12 spaces.

Plate E

The Problem of a Pictish design on a stone at Britford near Salisbury,  
with a few similar designs on stones in Scottish Pictland.

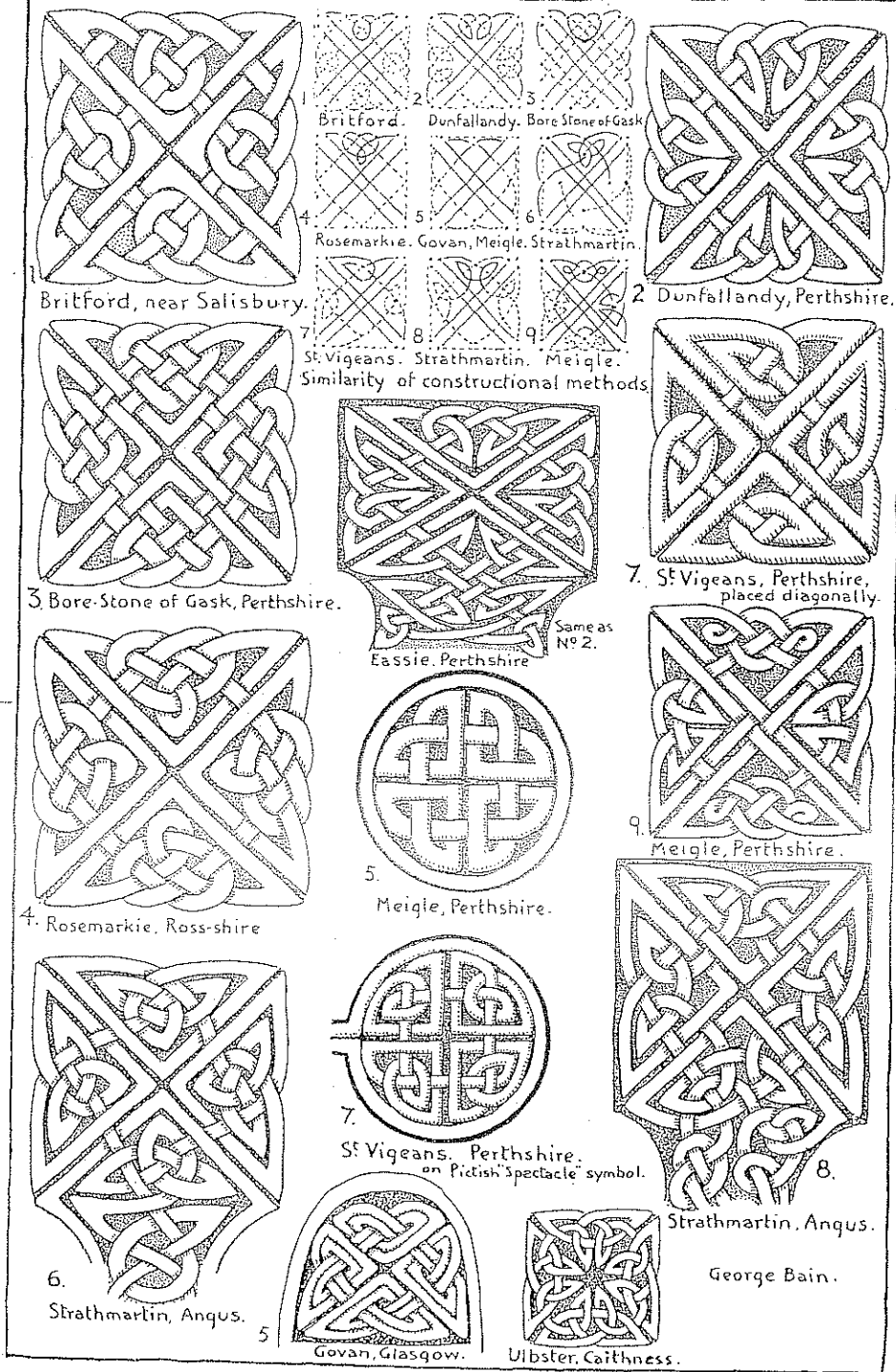
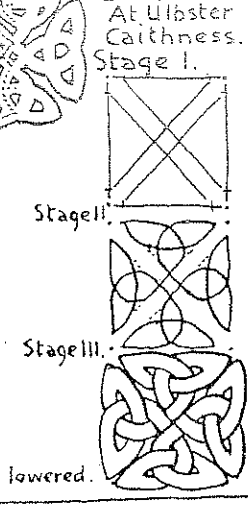
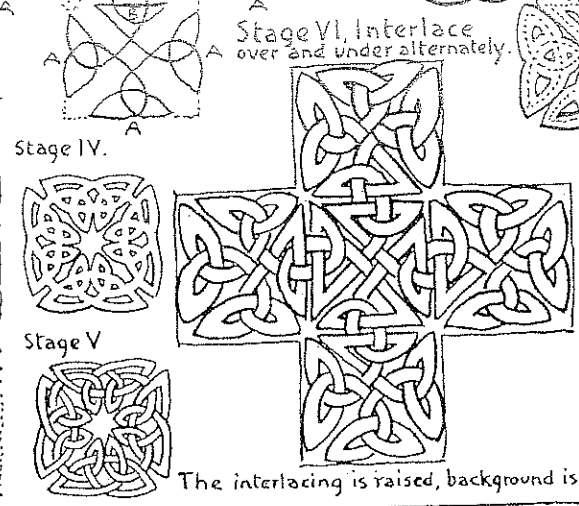
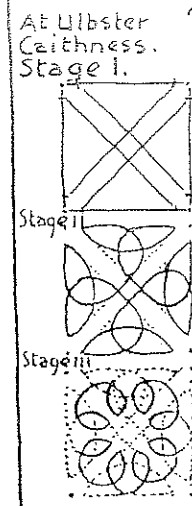
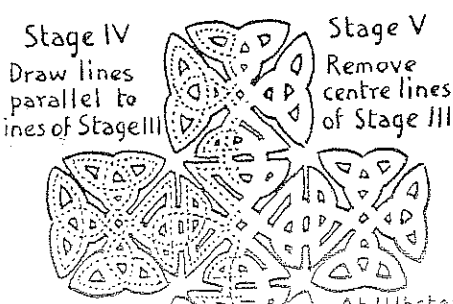
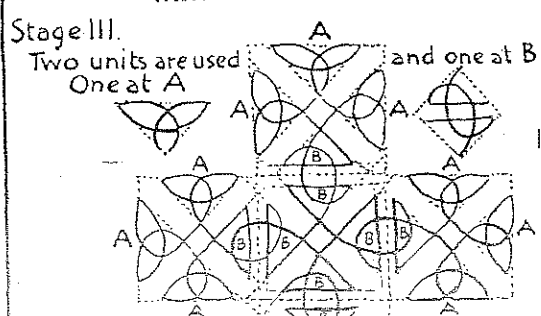
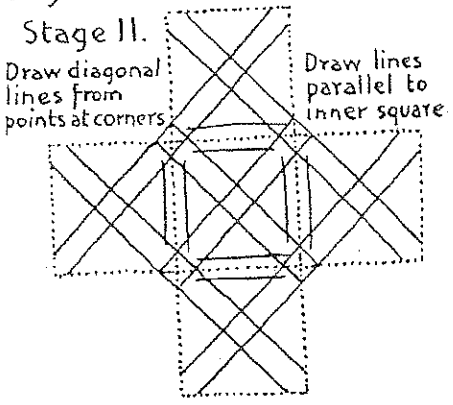
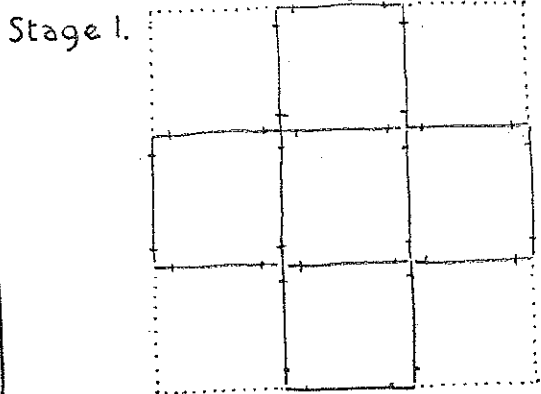


Plate F

# CELTIC ART. From Cross-slab-Stone, Ulbster, Caithness.

One Continuous line, probably a symbol of Eternity.  
The continuity is undoubtedly intentional.



The interlacing is raised, background is lowered.

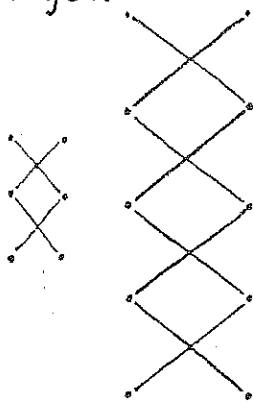
Plate G

# CELTIC ART. Example from Book of Kells.

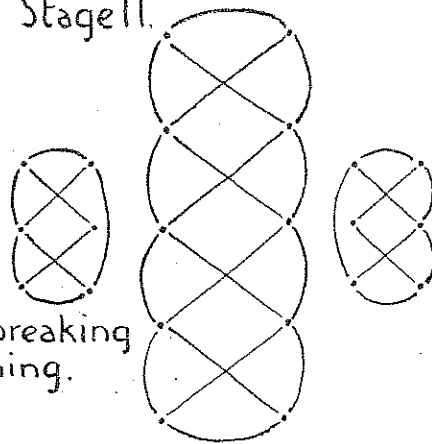
## Methods of Construction.

One continuous line, Symbolical of Eternity.  
The continuity is undoubtedly intentional.

Stage I.

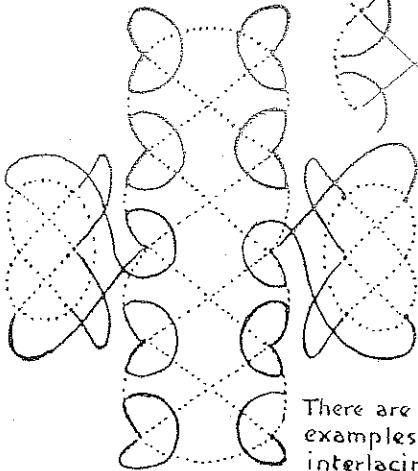


Stage II.



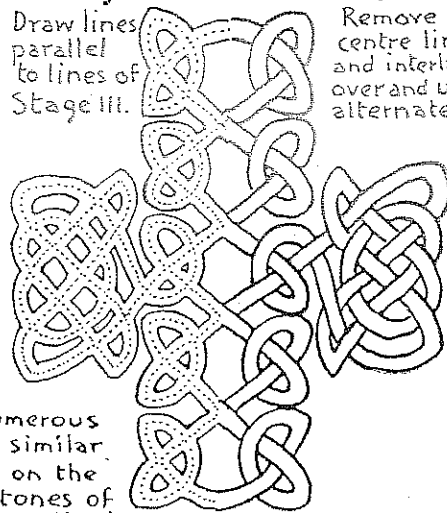
Method of breaking and rejoining.

Stage III.



Stage IV.

Draw lines parallel to lines of Stage III.



Stage V.

Remove centre line and interlace over and under alternately.

There are numerous examples of similar interlacings on the Cross-slab-Stones of East Scotland, particularly in Fife, Angus and Perthshire.

Plate H



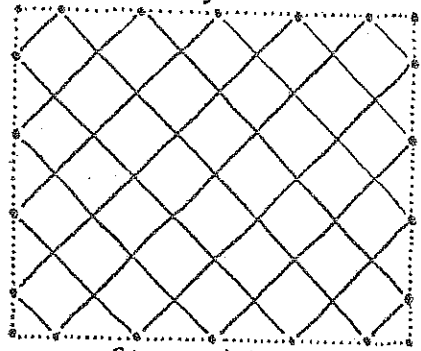
# Methods of Construction for Simple Celtic Knotwork Panels. (Pictish School.)

Pictish Panels, the proportion of the lay-out is not rectangular, it is lozenge  $\diamond$  or  $\diamond$  1 by  $\frac{3}{4}$ .

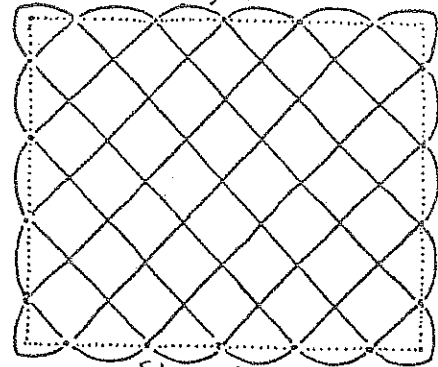
Stage I.

Numbers with no common factor produce an endless line when used with half-sizes at the four corners. Example, Top and bottom, 4 and 2 halves. Sides, 3 and 2 halves.  
 Eoghan Carmichael, son of Dr. A. Carmichael, first discovered that the Pictish artists used this method to produce a continuous line.  
 J. Romilly Allen first discovered that knotwork was based on Plaiting. It took him 20 years research to do this.

Stage II.

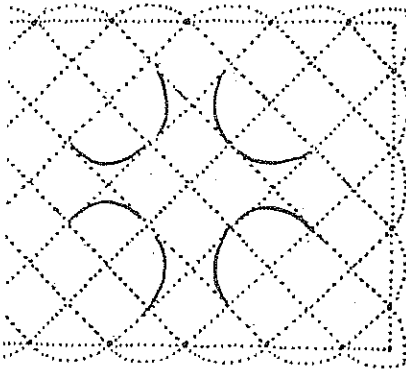


Stage III.

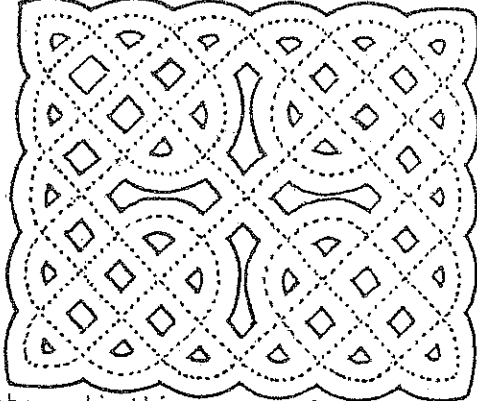


George Bain.

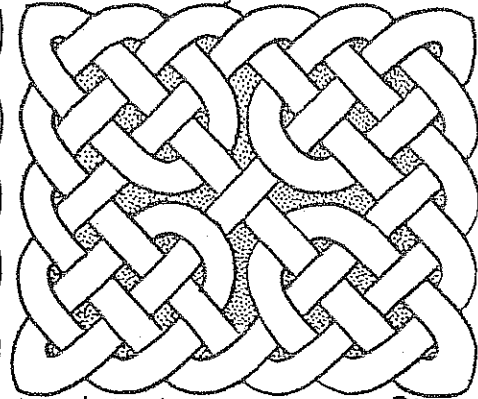
Stage IV.



Stage V.



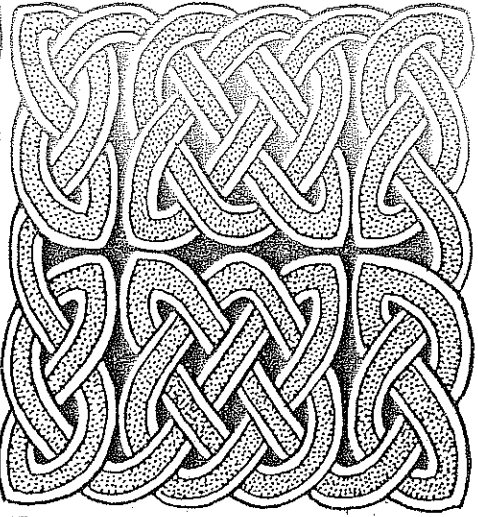
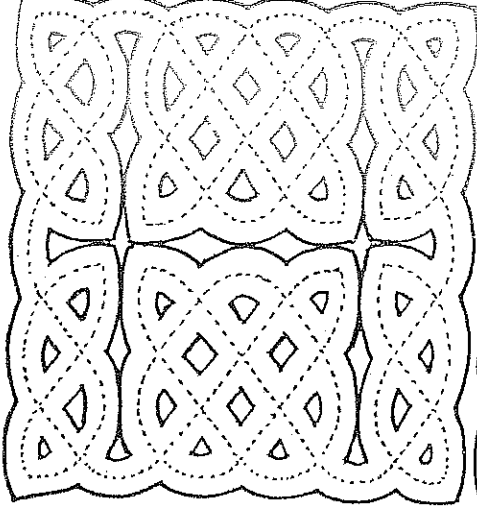
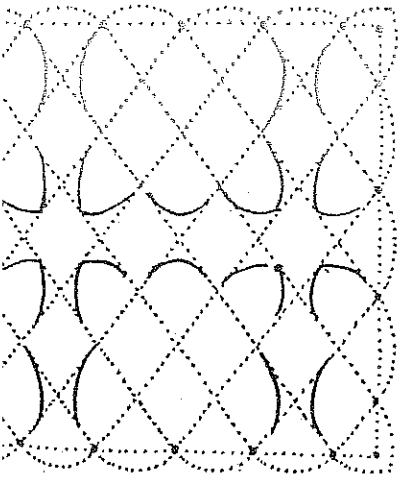
Stage VI.



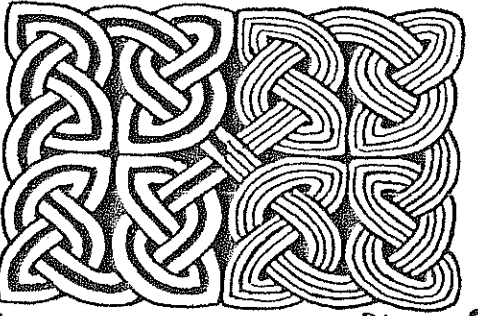
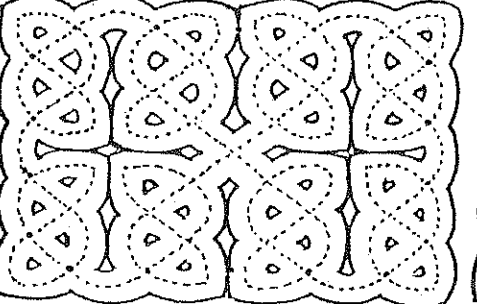
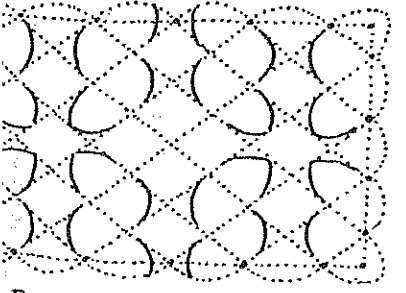
Pictish Proportions 1 by  $\frac{3}{4}$  are not used in this example (for simplification to beginners).

Plate 1.

# Methods of Construction for Simple Celtic Knotwork Panels (Pictish School.)



George Bain.



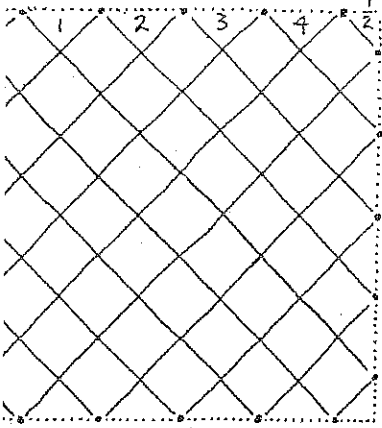
Pictish Proportions 1 by  $\frac{3}{4}$  are used, as  $\diamond$  and  $\diamond$  in these examples

Plate 2.

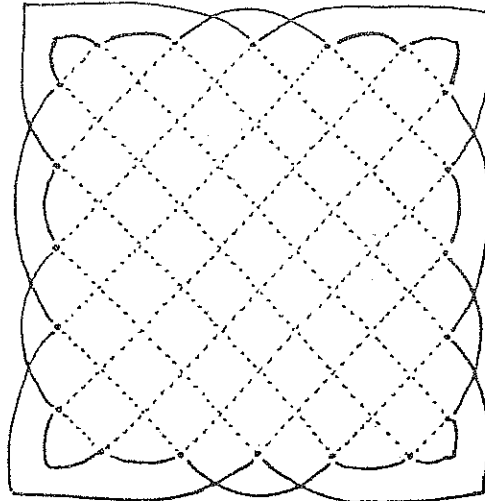
example of an exception to the methods of Plates 1 and 2, Celtic Interlacing Panels.

in the Book of Kells, Studio Publication, Plate IX. The actual size of the side of the square is  $\frac{3}{8}$  of inch

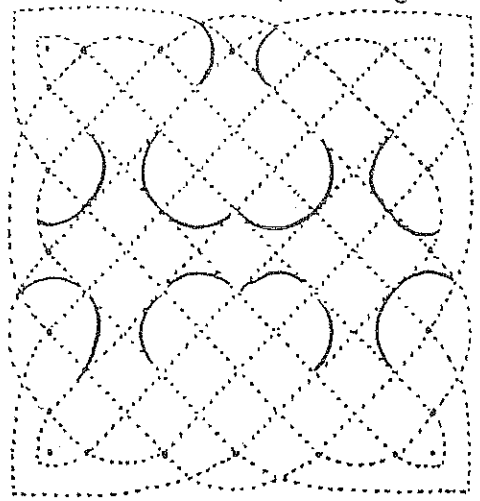
1. 4 spaces  $\frac{1}{2}$  spaces at corners.



This gives 5 lines.

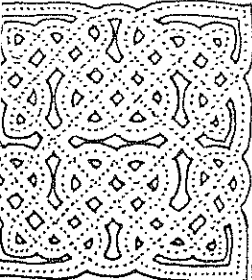


Arching gives 4 lines

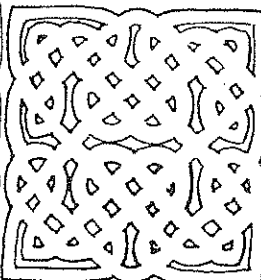


The breaking and re joining gives 1 line

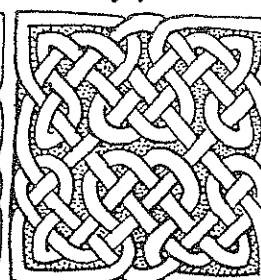
remaining stages are shown below.



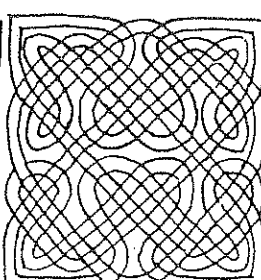
Making band.



Removing Centre line



Interlacing band.



Cross lines again, Make band and interlace.

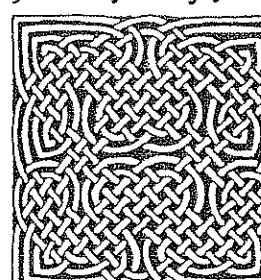
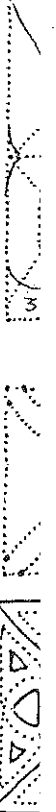


Plate 3

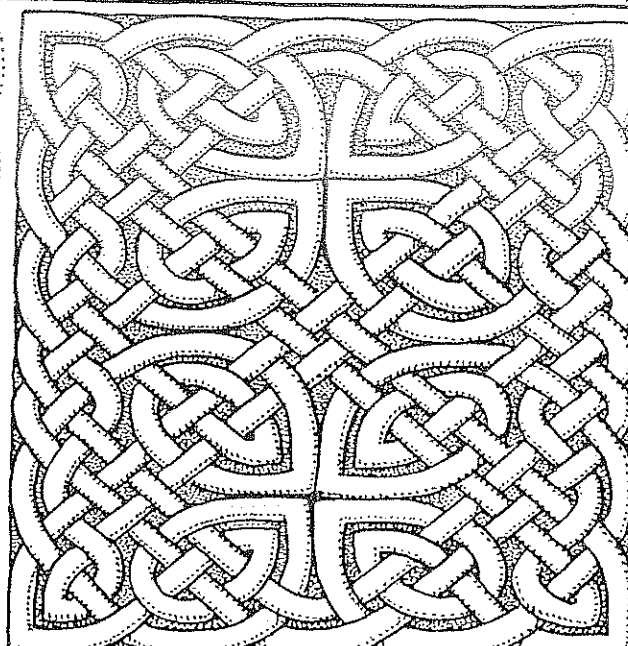
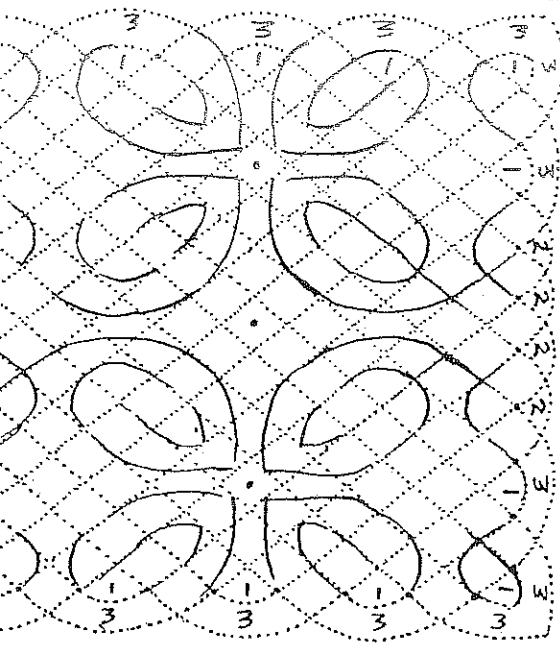
Actual size  $\frac{3}{8}$  inch

A Fe

Barrochan, Renfrewshire.



example of "continuity" from the S<sup>t</sup> Madoes Stone, Perthshire, in Pictish proportions

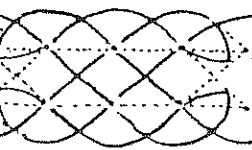


The student will be able to do the stages (shown in Plate 3) in this design and will appreciate the great skill, taste and inventiveness of the Pictish artist who successfully completed the problem of making the line a continuous one.

The spaces are  
Top and bottom  $\frac{1}{2} \cdot 7 \cdot \frac{1}{2}$   
Sides  $\frac{1}{2} \cdot 9 \cdot \frac{1}{2}$

from Book of Kells, Plate XIX, Studio Publication.

Actual size  $\frac{1}{4}$  inch



z Bain

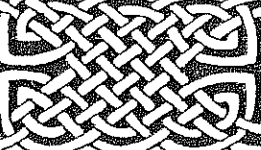
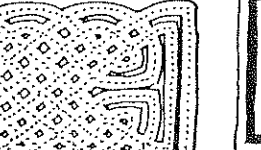
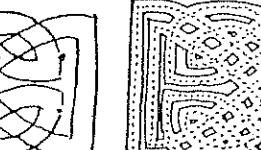
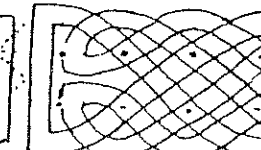


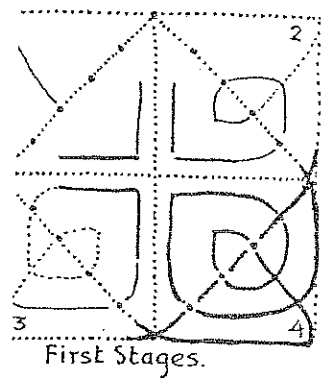
Plate 4

A ex

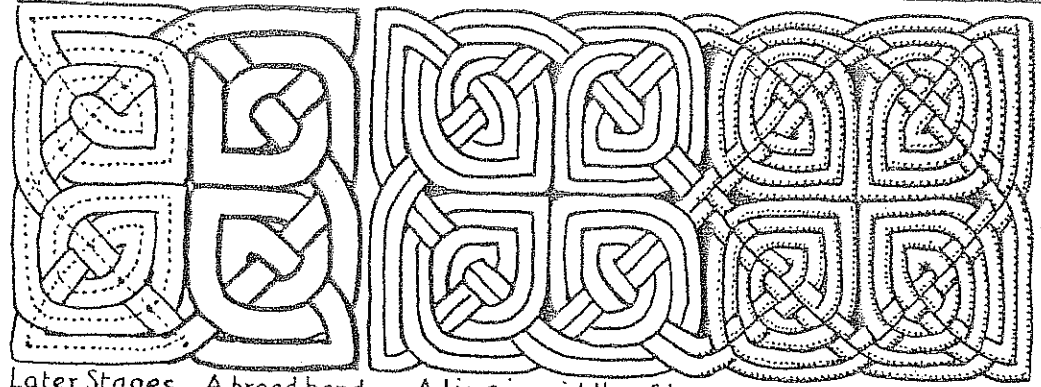
From



Review of the numerous Methods used by Pictish Artists for Simple Knotwork Panels.

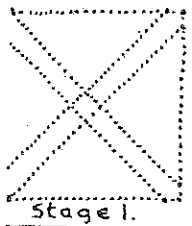


First Stages.

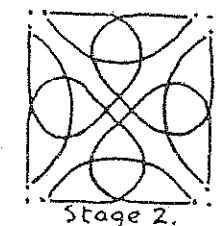


George Bain

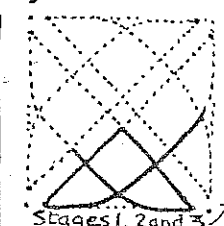
Later Stages. A broad band, A line in middle of band, Two bands.



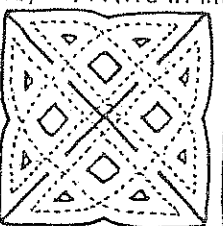
Stage 1.



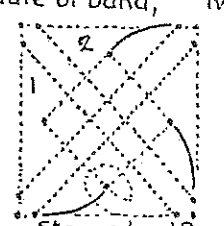
Stage 2.



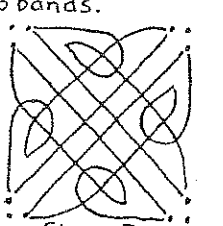
Stages 1, 2 and 3.



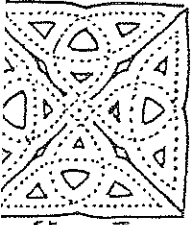
A treatment.



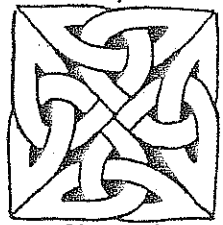
Stages 1 and 2.



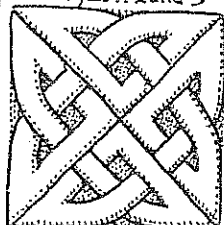
Stage 3.



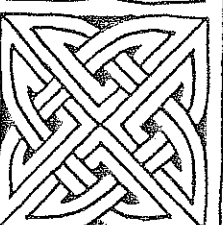
Stage 3.



Stage 4.



Stage 4.



A treatment.



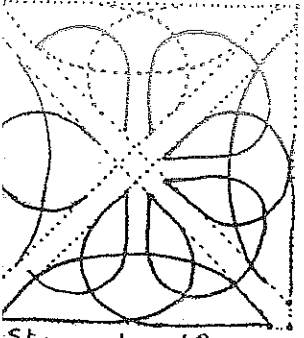
Stages 4 and 5.

Multiples of these may be used to make large rectangular panels. The example on the top right shows how to join them together.

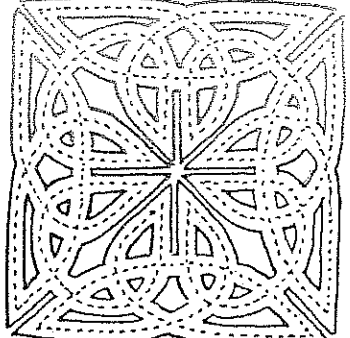
Plate 5.

Example from "Ulster Stone, Caithness, and one from "Strathmartin Stone", Angus.

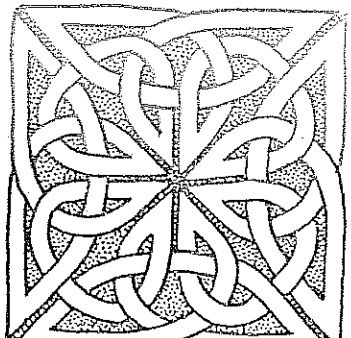
From the Ulster Stone.



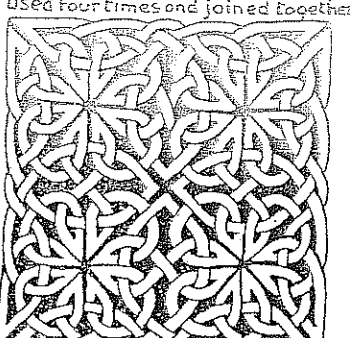
Stages 1 and 2.



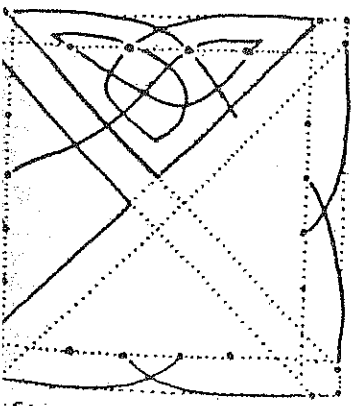
Stage 3.



Stage 4.

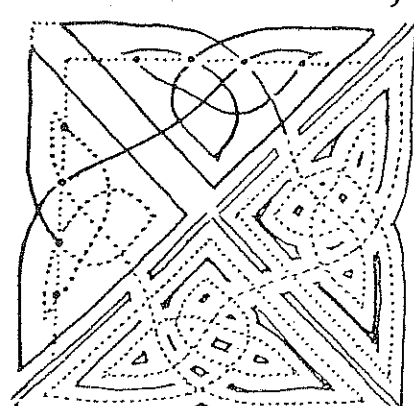


This is the Ulster Stone design used four times and joined together.

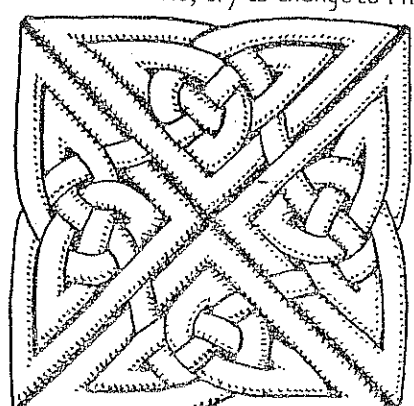


Stages 1 and 2.

From the Strathmartin stone.



Stages 2 and 3.



Stage 4.

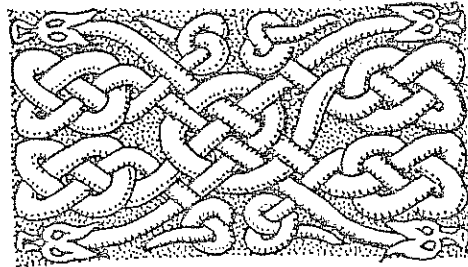
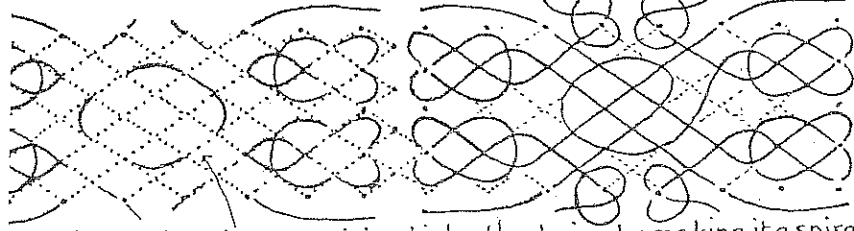
Plate 6.

George Bain

Methods of Construction for Celtic Knotwork Panels of the Pictish School.

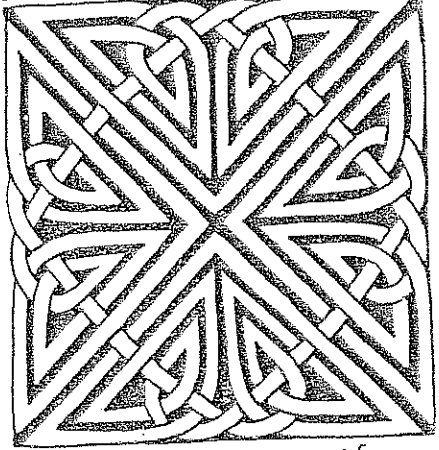
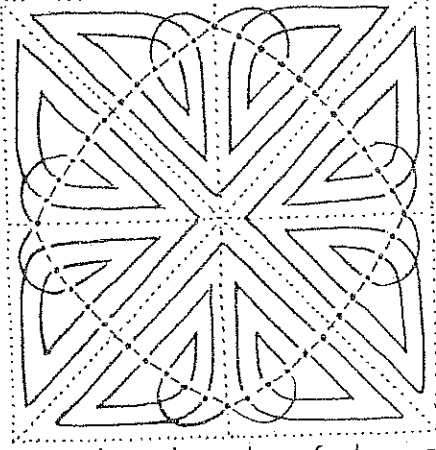
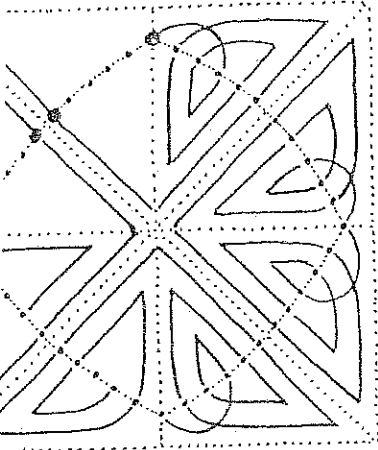
A knotwork panel from the "Shandwick Stone."

George Bain.



How the centre ring was joined into the design by making it a spiral.

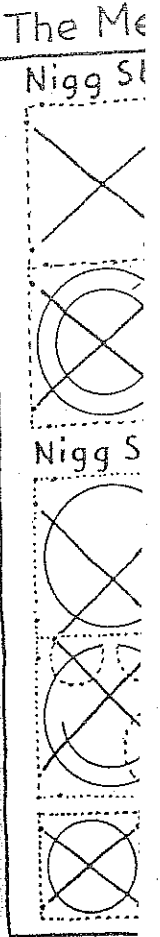
Curved line into 11 spaces. Lindisfarne, St. Vigean's, Dunfallandy, Eassie, Gospels of M<sup>c</sup>Durnan, etc.



For curved lines, first mark the points, then the smaller ones.

Continue in order of stages as shown in previous plates.

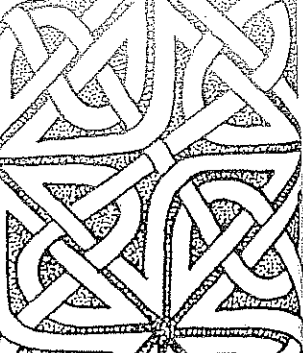
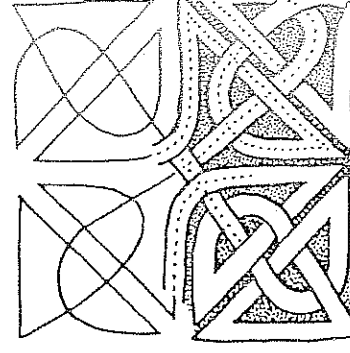
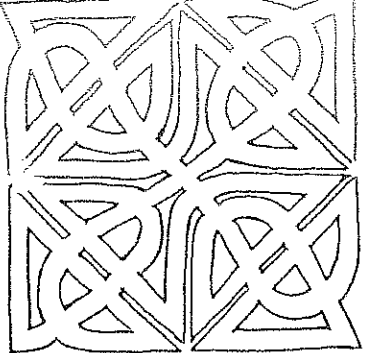
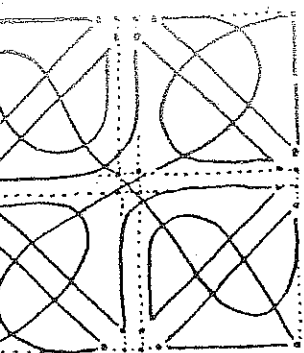
Multiples of this may be used for a panel. Plate 7.



Methods of Construction for Celtic Knotwork Panels of the Pictish School

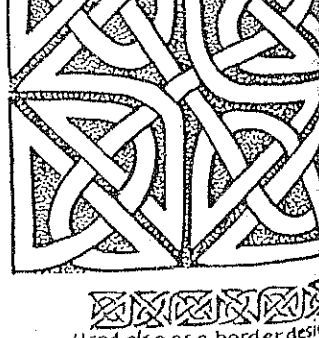
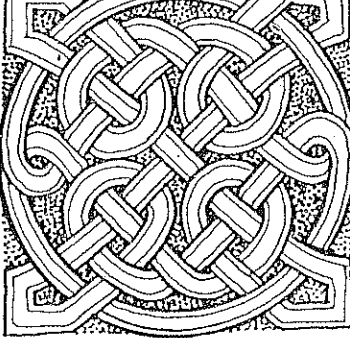
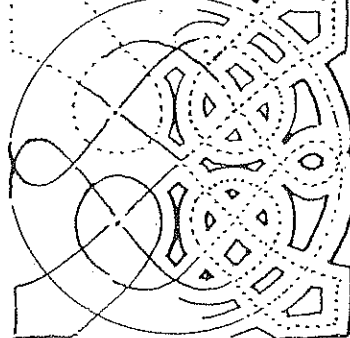
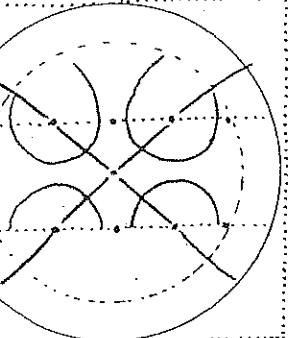
Book of Lindisfarne and Ulbster Stone, Caithness.

George Bain.



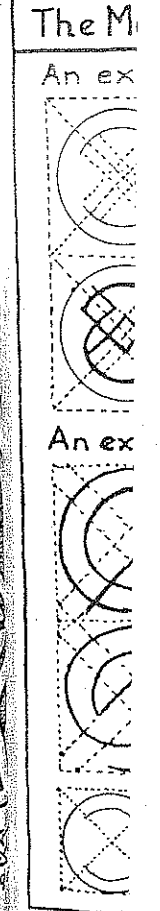
Two units are used in the above design.

Multiples of them may be joined together as shown.



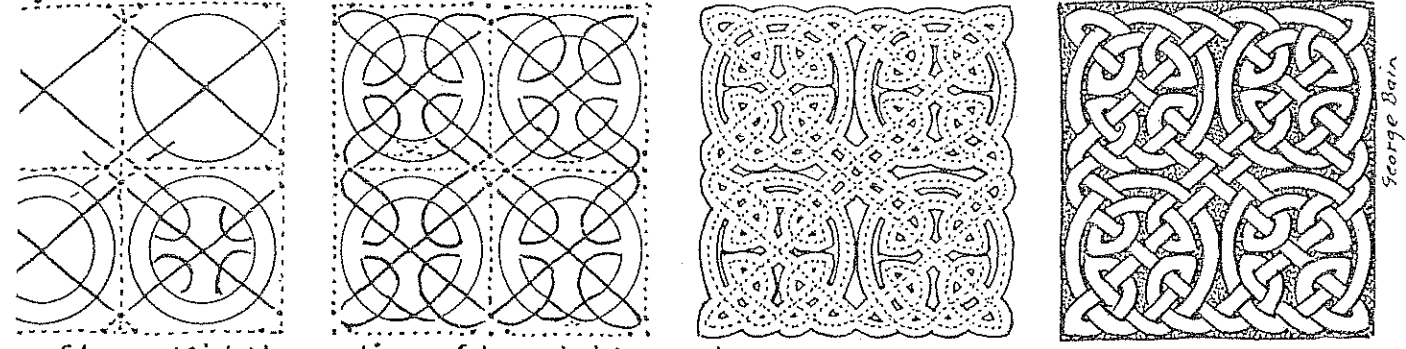
This unit is used on the "Sutherland," and the "Glamis," Angus, stones. Multiples may be joined.

Used also as a border design. Plate 8.



Methods of Construction of Pictish Knotwork Panels, Nigg Stone, Ross-shire

g Stone, Portion of top left panel.



g Stone, Middle portion of top right panel.

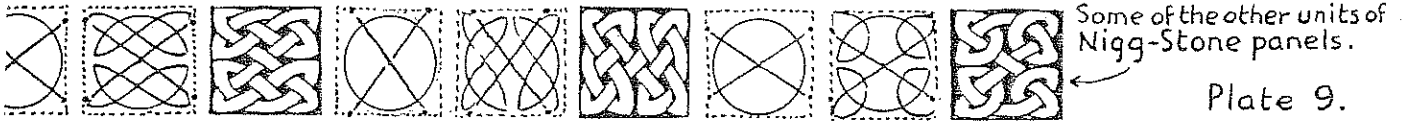
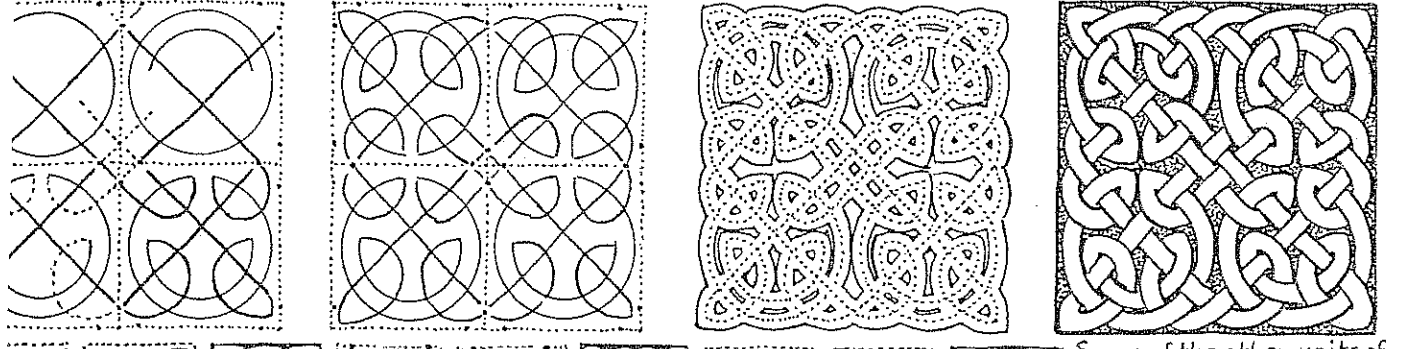
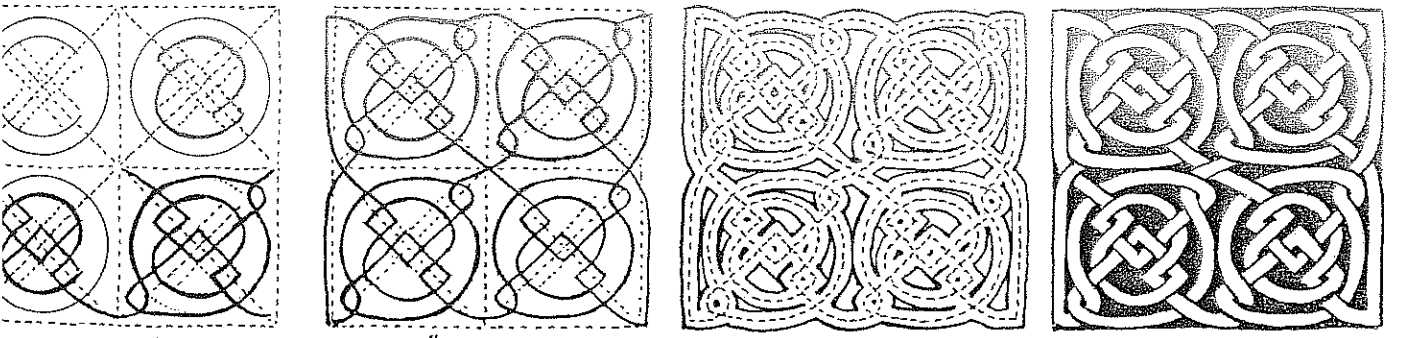


Plate 9.

Methods of Construction of the Irish-Pictish School of Celtic Knotwork.

example from a border in the "Book of Durrow". The unit is used to fill a panel in one line.



example from a border in the "Book of Durrow". A portion is used to fill a panel in one line.

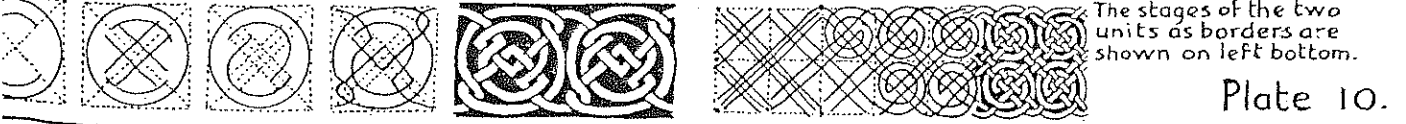
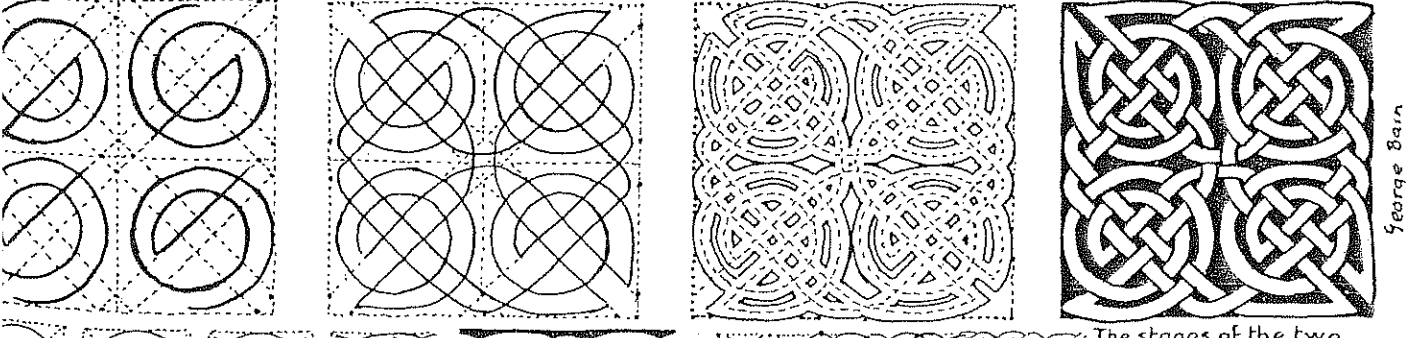
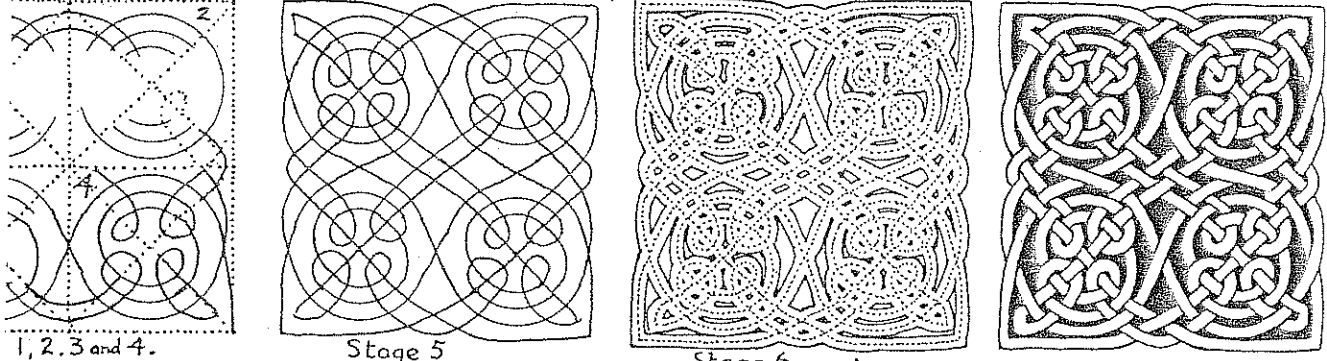


Plate 10.

Methods of Knotwork Construction of the Irish-Pictish School of Celtic Art.

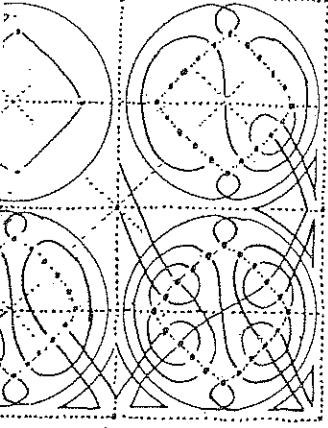
This is made from the unit of a border of a page in the "Book of Durrow". It is in one line.



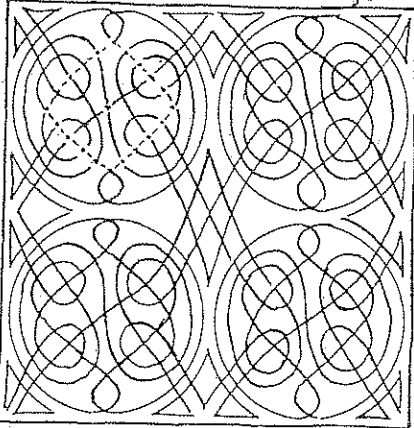
1, 2, 3 and 4.

Stage 5

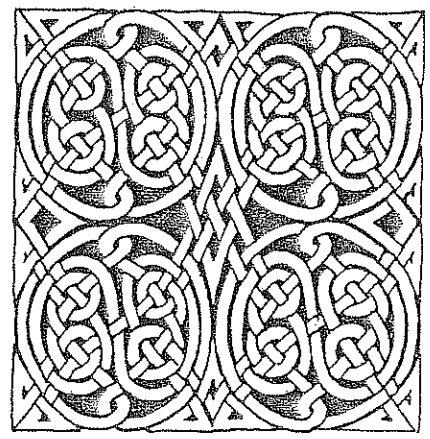
Stage 6.



The Pictish Stone at Collieburn, Sutherlandshire is somewhat similar.



The next stage of the method of construction is as above



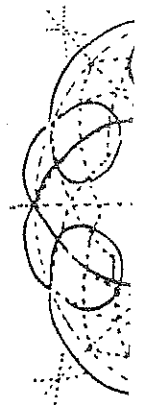
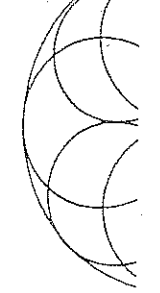
George Bain

This is a portion of a panel which fills a page of the "Book of Durrow".

Plate 11.

The Me

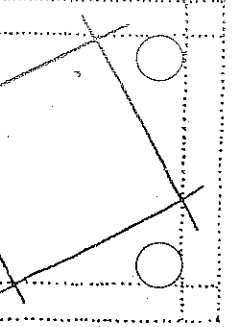
Stage 1.



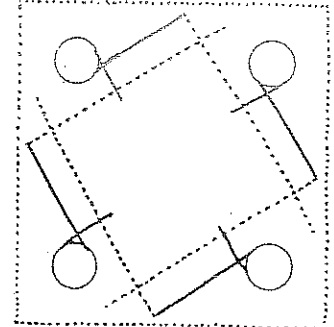
The Pictish original is

Methods of Knotwork Construction of the Irish-Pictish School of Celtic Art

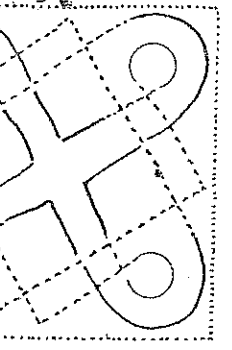
This is from the "Book of Durrow". It is a good example of an intentional continuous line.



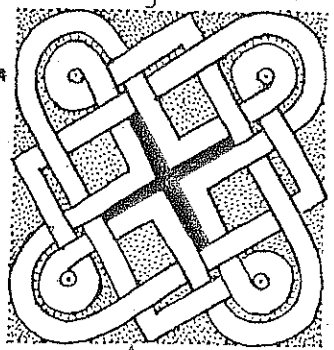
Stages 1 and 2.



Stages 3 and 4.

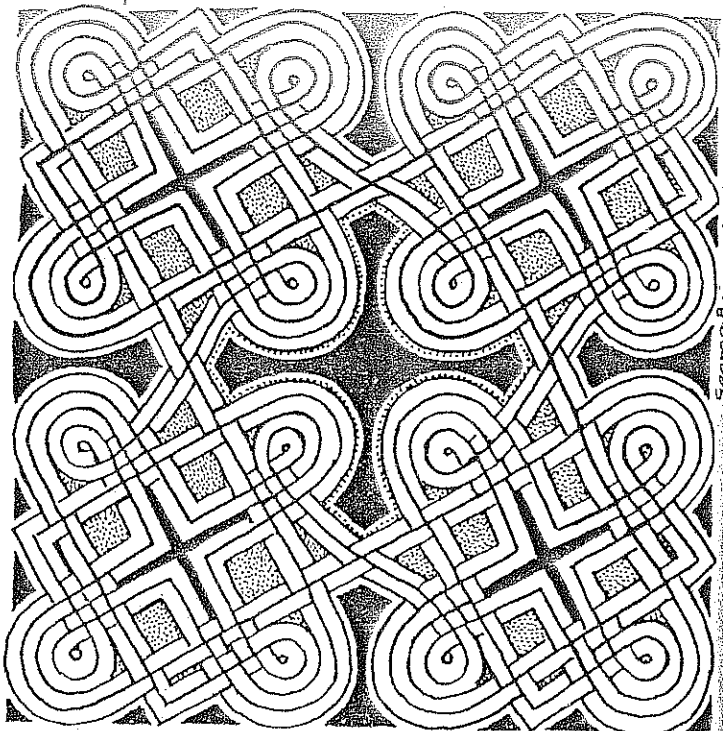


Stages 5 to 8



Stages 9 and 10

its may be joined as shown here

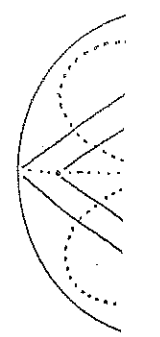


George Bain

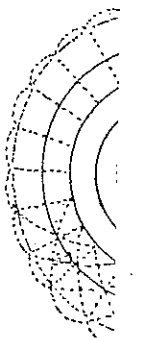
The Irish-Pictish Designer seems to have used this design to embellish the Cross Symbol.

Plate 12.

The Me

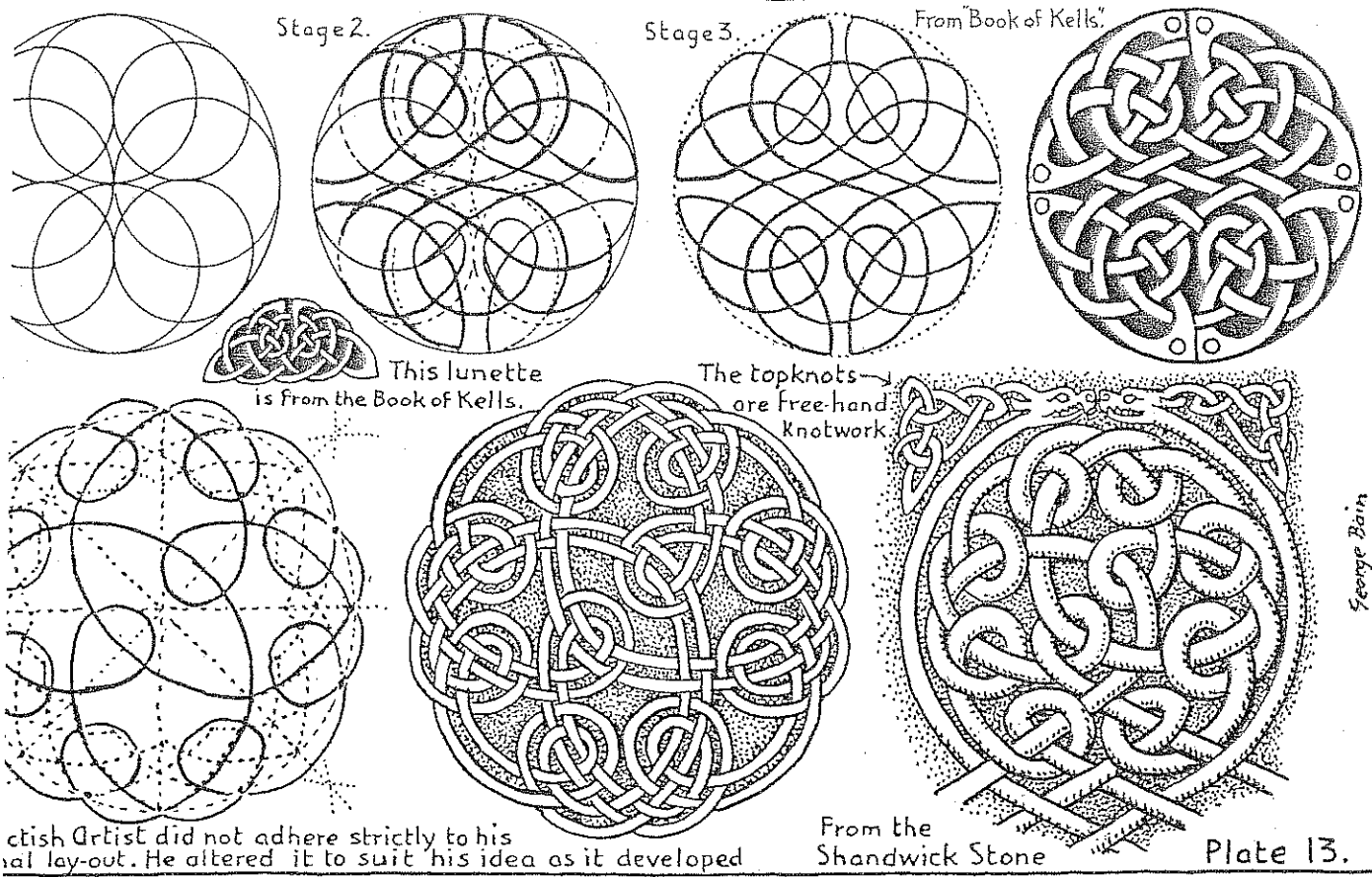


To avoid

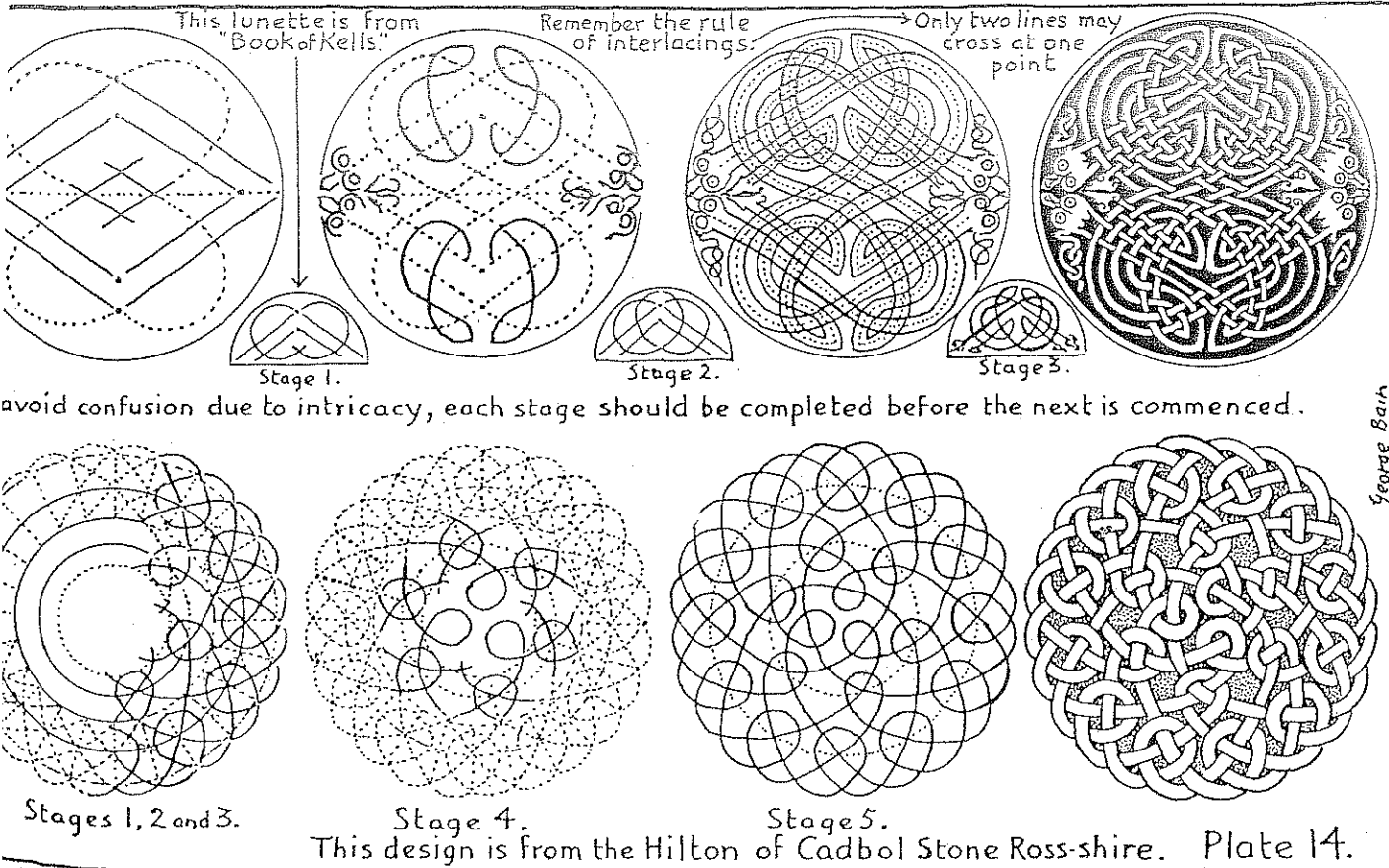


St

Methods of Construction for Knotwork in Circular Panels, Pictish Art.



Methods of Construction for Knotwork in Circular Panels, Pictish Art.



From the "Book of Durrow." (Plate II, Celtic Illuminative Art, Rev. S.F.H. Robinson.)

This plate shows the construction orders and the methods of the various knots. The succeeding plate shows the final stages for the completion of the knotwork.

The order of this unit in the arching of equal spaces is  $\frac{4}{2}$   $\frac{5}{3}$   $\frac{1}{1}$   $\frac{2}{2}$   $\frac{3}{4}$   $\frac{4}{5}$ .

Stages 1 to 4.

This unit is contained in a multiple of 5 spaces. If applied as a border of a circle, an even multiple of 5 will make 2 lines, an odd multiple will make 1 line.

This order is  $\frac{3}{3}$ .

3. 2 2 2

Four variations of 2 2 2 3 this order are used to join the border to the centre group.

The order of the central group belongs to another method of construction.

The unit is repeated 8 times large and 4 times small, one at each corner of group.

1st Stage 2nd Stage 3rd Stage.

4th Stage 5th Stage

Method of joining units.

This order is a multiple of 4. It is used to mitre the corners.

The border is in 40 spaces by 23 spaces.

George Bain.

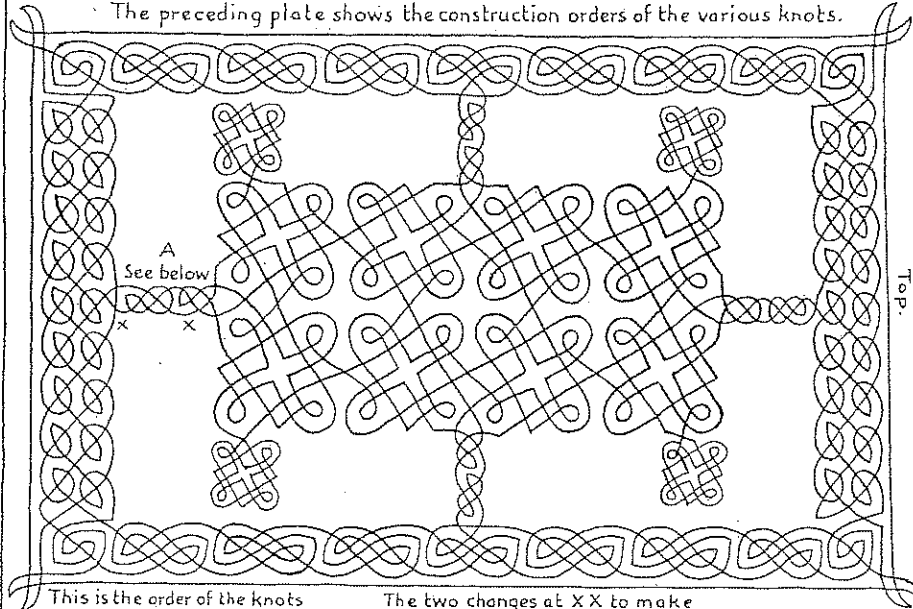
Plate I



From the Book of Durrow, (Plate II, Celtic Illuminative Art, Rev. S.F.H. Robinson.)

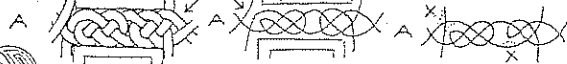
The original is not a continuous line. It has three irregular parts, one large, two small. Probably an assistant scribe was responsible for this slight error. The excellence of the constructive methods shows the design to be the work of a Great Master. Two simple changes, as shown at Axx, make the whole of this knotwork into one line.

The preceding plate shows the construction orders of the various knots.

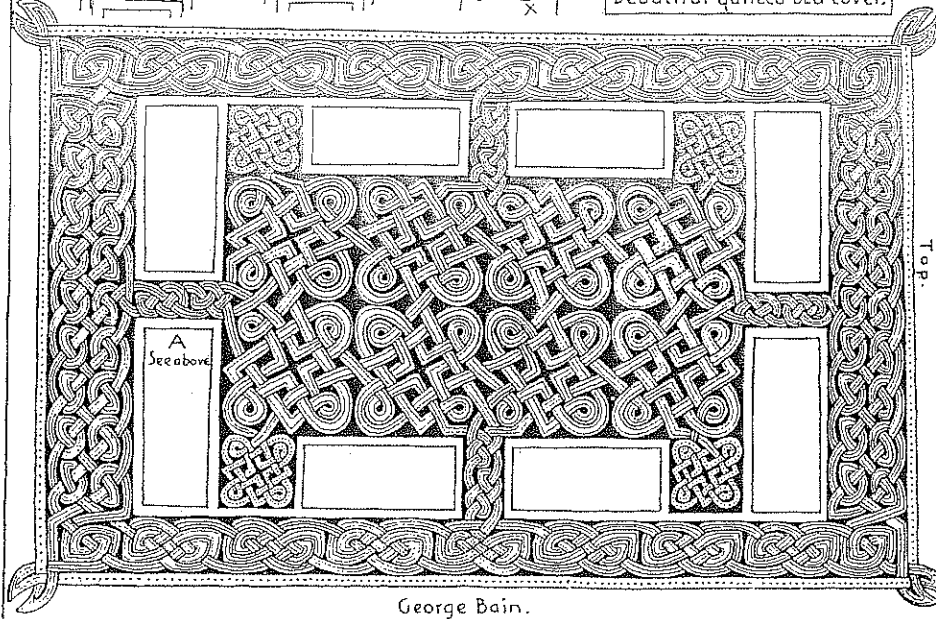


This is the order of the knots in the original.

The two changes at XX to make the whole knotwork into one line.



This design would make a beautiful quilted bed-cover.

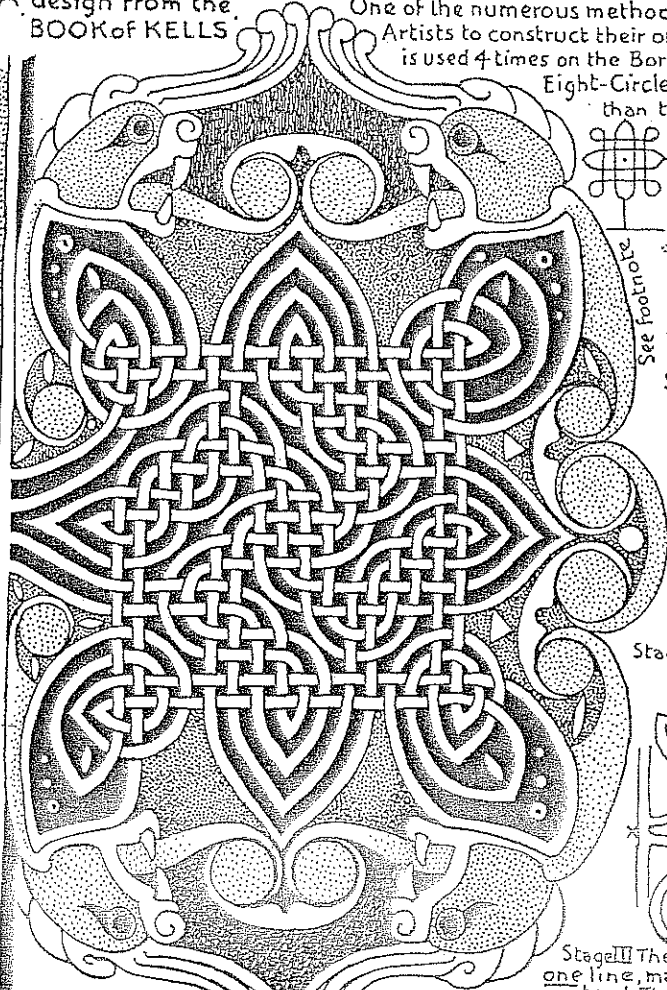


George Bain.

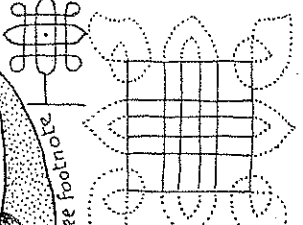
Plate J

A design from the  
BOOK OF KELLS

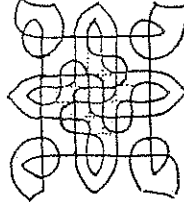
One of the numerous methods used by the Pictish  
Artists to construct their ornaments. This design  
is used 4 times on the Border of the Page of the  
Eight-Circled Cross and it is less  
than the size of a sixpence.



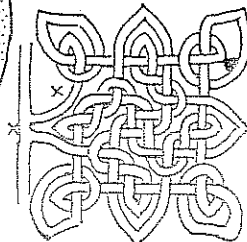
See  
p. 101 of  
Book of  
Kells



Stage I. Normal Order  
gives Five Lines

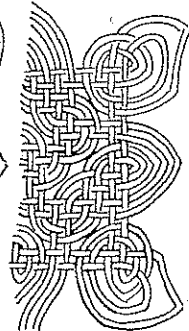
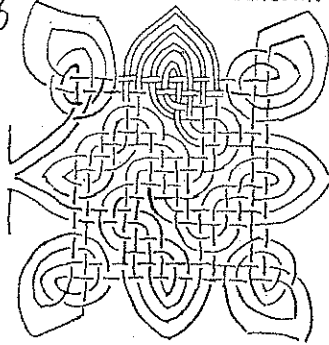
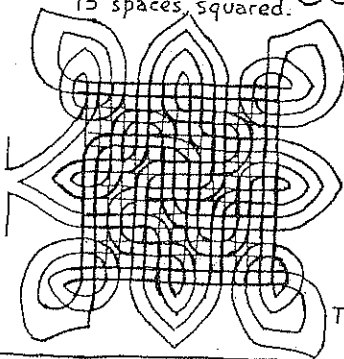


Stage II The change of  
order gives Two lines



Stage III The changes at X give  
one line, made into an interlacing  
band. The band is doubled below.

The Method was  
probably as below on  
15 spaces squared.



The interlacing band is an intentional continuous line  
George Bain

The small symbol, top right, is for Nov. 1<sup>st</sup> All Saint's Day in Staffordshire Clogg.

Plate K

Reconstruction of interlacing on Rossie Priory Stone, showing that it is an intentional continuous line,

Method at centre

Method at Corners

Method of upper border Stage I.

Stage II

Stage III

Stage IV

Method of lower border

Commencement A of line at Method at C.

METHOD OF ABOVE ORNAMENT Stage I

Completion of line at Method at D.

Repeated as on left to 23 loops. Down one side, up the other side

Normal order was not continuous so a change was made as below at @.

Normal order was not continuous so a change was made as below at X.

Left arm

Right arm

The normal order of the unit on the arms of the Cross. 4 lines

One line

Two lines

Repeat of 4. 1 line.

Example from St. Oswalds. Durham. 3 lines

2 lines

1 line

5 lines Aycliffe Durham

Reconstruction of Normal Order from a Fragment of a Cross-Shaft. Canna, Hebrides. 9 lines

Missal of Leofric. Bodleian Library.

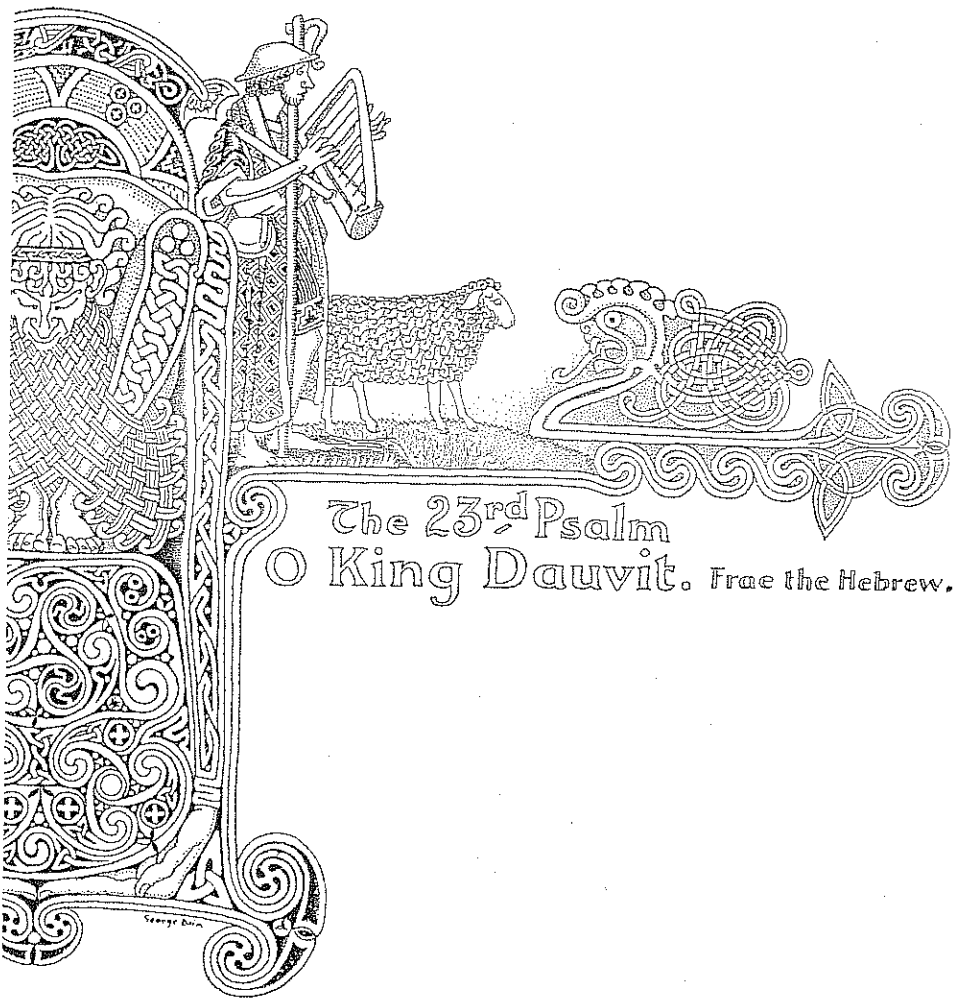
Canna Fragment. 3 lines

Reconstruction showing the Probable Order of the Canna Cross-shaft interlacing. 1 line.

Here is a problem for future historians. This 'spanner' motif does not occur in the (so-called) Irish M.s.s. or in any ancient art.

The examples on this page are all that the author has found after much searching

Plate L



The 23<sup>rd</sup> Psalm  
O King Dauvit. Frae the Hebrew.



## Spirals

**T**HE Spiral as a symbol and as an ornament had a beginning at the dawn of man's intellect. It was the development of the inherited impulse that made man construct the first circular hut. With very few exceptions (if any) the constructions by insects, birds and animals are made by circular motions. The circle may be considered as man's first step in art. As a recapitulative impulse it is every child's beginning in drawing, and it is as much used by the educated doodler as it is by the uneducated female for pipe-clay decoration on the doorstep. The spiral is an application of its constructional methods that rapidly became magical. It could be performed to the right or to the left, sunwise or anti-sunwise.

The beauty of nature's spirals was probably observed by man's earliest ancestors, for the shell was also the container of his staple food.

From the terminating point to the opening in the shell to the food, the movement of the spiral is to the right or sunwise and the motion of extracting the food is to the left or anti-sunwise.

Most of nature's spirals are to the right with a notable exception in pairs of horns, which are symmetrical. The Scottish Highlander's sword-dance, being a war dance, is anti-sunwise, but finishes sunwise symbolical of victory.

An assessment of the dating of the commencement of the use of spirals as an ornamental and magical art may be conjectured from the fact, already stated, that highly developed key patterns, engraved on mammoth ivory were found in the Ukraine and in Yugo-Slavia, and are dated from 25,000 B.C. to 15,000 B.C. Key patterns are really spirals in straight lines, and

man had to travel long in time before he "invented" the square. Although one-coil spirals are to be found in the arts of most peoples of Europe, Asia, Africa, Polynesia and the Americas, with the Greek Ionic as the acme, yet the finest developments of spiral ornament were made by the Celtic race, who at an early period found the methods of making two, three, four or more coils. There is a continuity of the evolution of the spiral three-dimensional art in Scotland, England, Wales and Ireland from pre-historic times, commencing with two incised points continued as two incised coils that have between them a raised spiral line that revolves back upon itself. This double spiral is also found in the metal bronze-age work of the peoples of the Baltic countries. The Mycenaean artist-craftsman used the spiral motive in a manner that suggests one of the courses of the migration of Celtic peoples to Britain and Ireland. The Egyptians used spirals as all-over motifs from 3000 B.C. to 1500 B.C.

It was in Britain and Ireland, however, that spirals found full artistic growth, first, in the enamelled bronze ornaments for the horse, the chariot and man, then, in the age of the ornamented stone monuments and the late Pagan and early Christian Jewellers' Art.

The noble spirals of Aberlemno, Shandwick, Tarbet, Hilton of Cadboll, Nigg, the Tara brooch, and the Ardagh chalice led the way to the great art of the scribes, who produced the supreme masterpieces of the world's decoration of books, profusely embellished with spiral art.

The few survivors of a great artistic period, the books of Durrow, Kells, Lindisfarne, and St. Chad will shed a light for future generations upon the greatness of the art and the other cultures of the Pict and the Briton.

**The CONSTRUCTION of the SPIRAL GROUP in centre of ABERLEMNO CROSS.**  
 The designer of this Group of Spirals could not have conceived the design if he had not known how to use the Triskele in an ALL-OVER REPEAT. He merely removed one leg from the triskele to encircle the Seven Spiral Groups of three legs each.

The Triskele of the ALL-OVER PATTERN.

Representation of SPIRAL GROUP in centre of ABERLEMNO CROSS from "THE SCULPTURED STONES OF SCOTLAND" Vol. I. Published by THE SPALDING CLUB.

Representation of SPIRAL GROUP in centre of ABERLEMNO CROSS from "GRAMMAR OF ORNAMENT" by OWEN JONES

The two above examples show the gross travesties of Pictish Art in Publications by supposed authorities that have been for the past fifty years the only source of information for Students and others in the libraries of every university and centre of Art Education in the civilised World  
 George Bain

AN EXAMPLE OF SIMILAR CONSTRUCTION FROM "THE BOOK OF DURROW."

ANOTHER EXAMPLE OF SIMILAR CONSTRUCTION FROM "THE BOOK OF DURROW."

Plate M

Plate by courtesy of the Gaelic Society of Inverness

Som

One-c

Spir Instru

The s

The

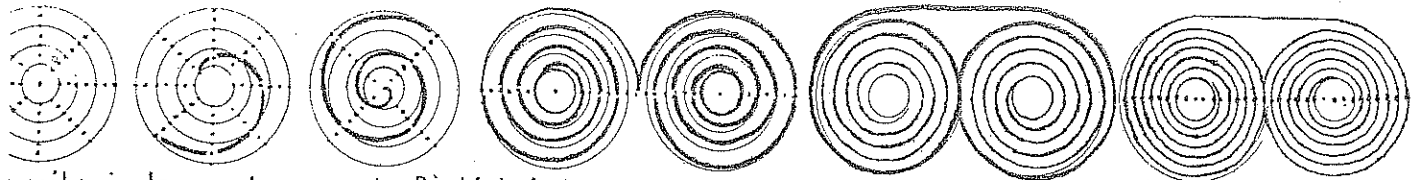
The

The

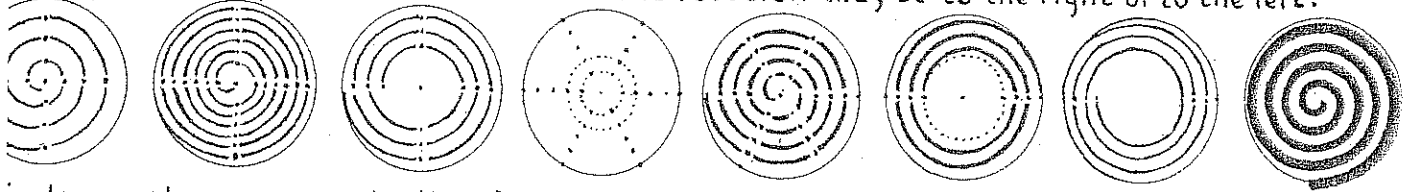
Sto

St.

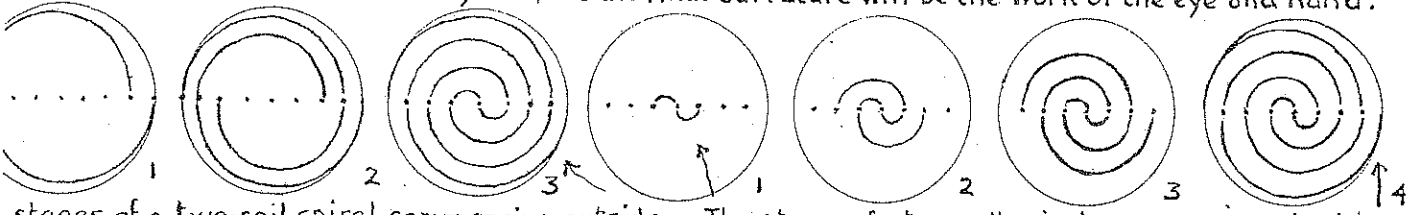
Some Methods for the Construction of Spirals of the Pictish School of Celtic Art.



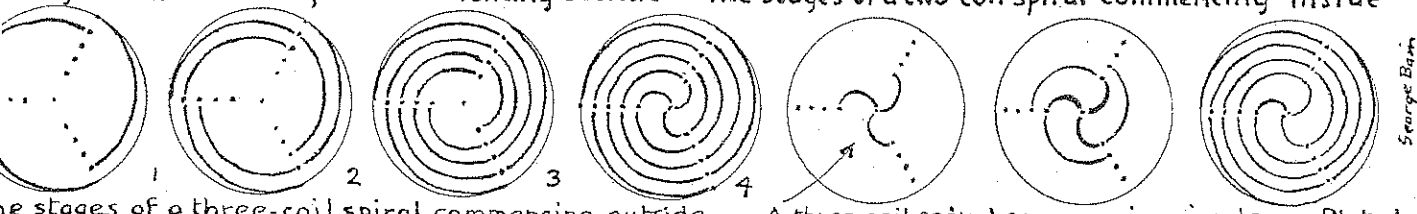
Two-coil spirals rarely occur in Pictish Art. The rotation may be to the right or to the left.



Spirals may be commenced either from the inside or the outside of the rotation. Instruments may be used for the first lay-out, but the final curvature will be the work of the eye and hand.

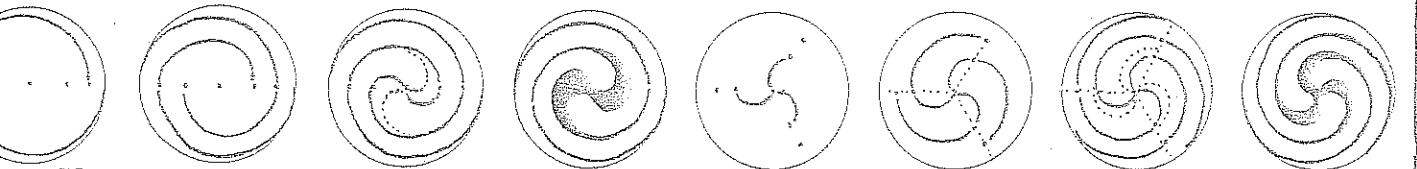


The stages of a two-coil spiral commencing outside. The stages of a two-coil spiral commencing inside



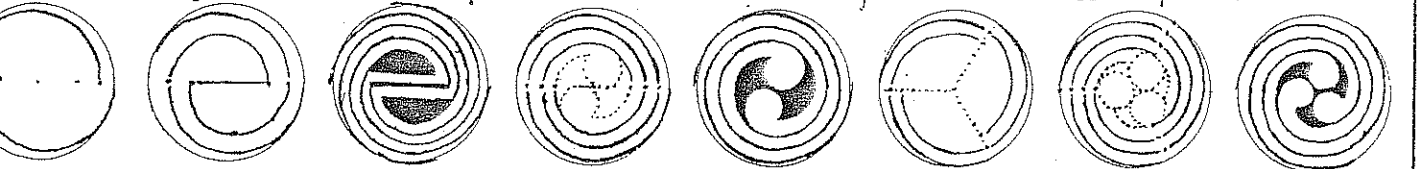
The stages of a three-coil spiral commencing outside. A three-coil spiral commencing inside. Plate 1

Methods of Construction of a Few Centres of Spirals of the Pictish School of Celtic Art.



The stages of a two-coil spiral.

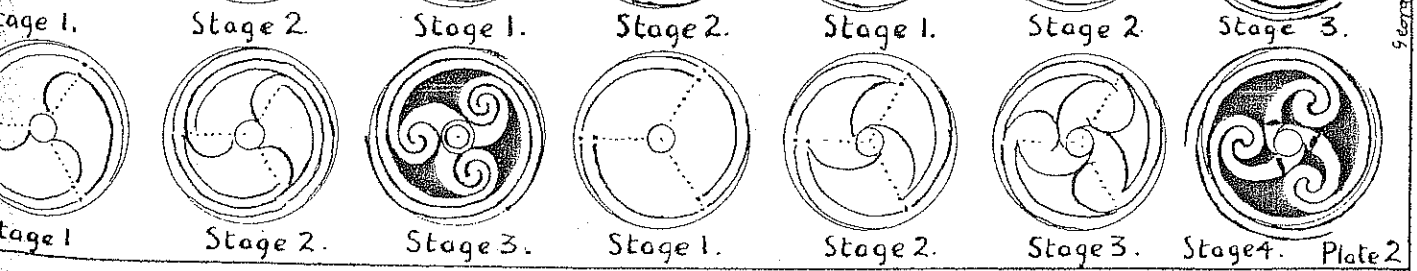
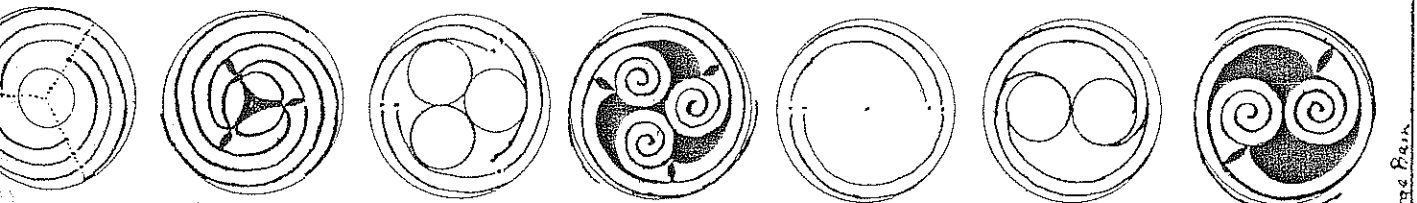
The stages of a three-coil spiral.



The stages of a two-coil spiral

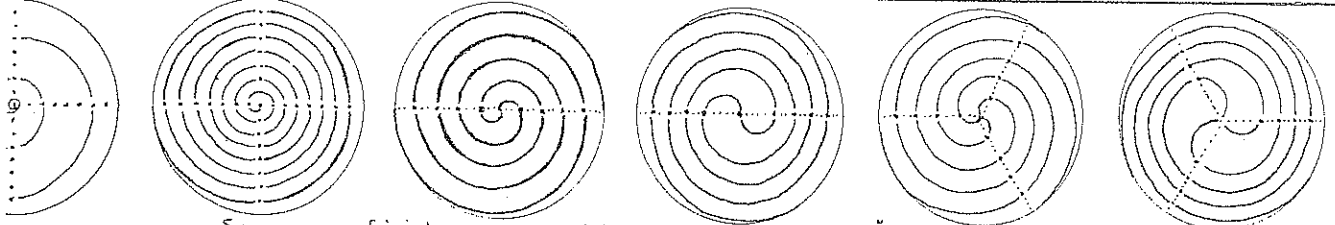
A two-coil spiral.

The stages of a three-coil spiral.

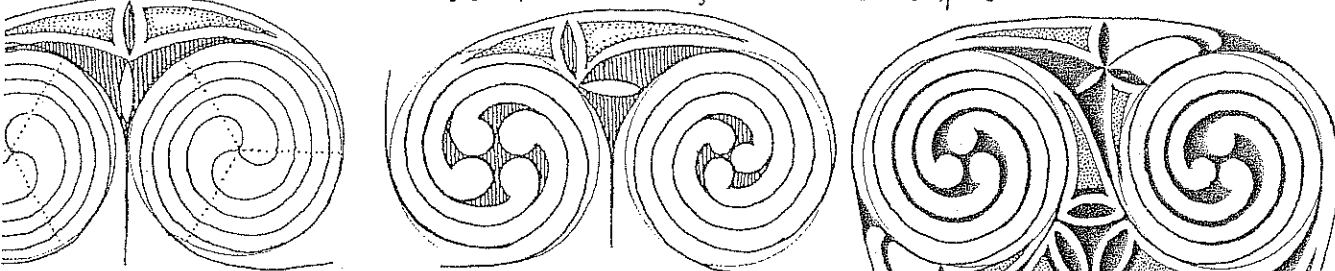




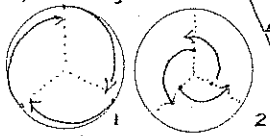
Methods of Construction for Spirals of the Pictish School of Celtic Art.



Some ways of joining groups and breaking into so-called "trumpets"



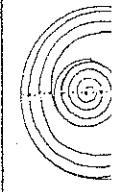
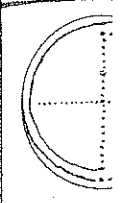
Rotation may be to right or left.



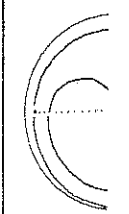
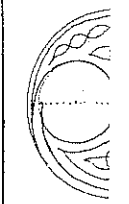
Rotation may be from inside or from outside

Instruments may be used for the first lay-out, but the final curvature will be the work of eye and hand. Each stage should be completed before the next is commenced. Plate 3

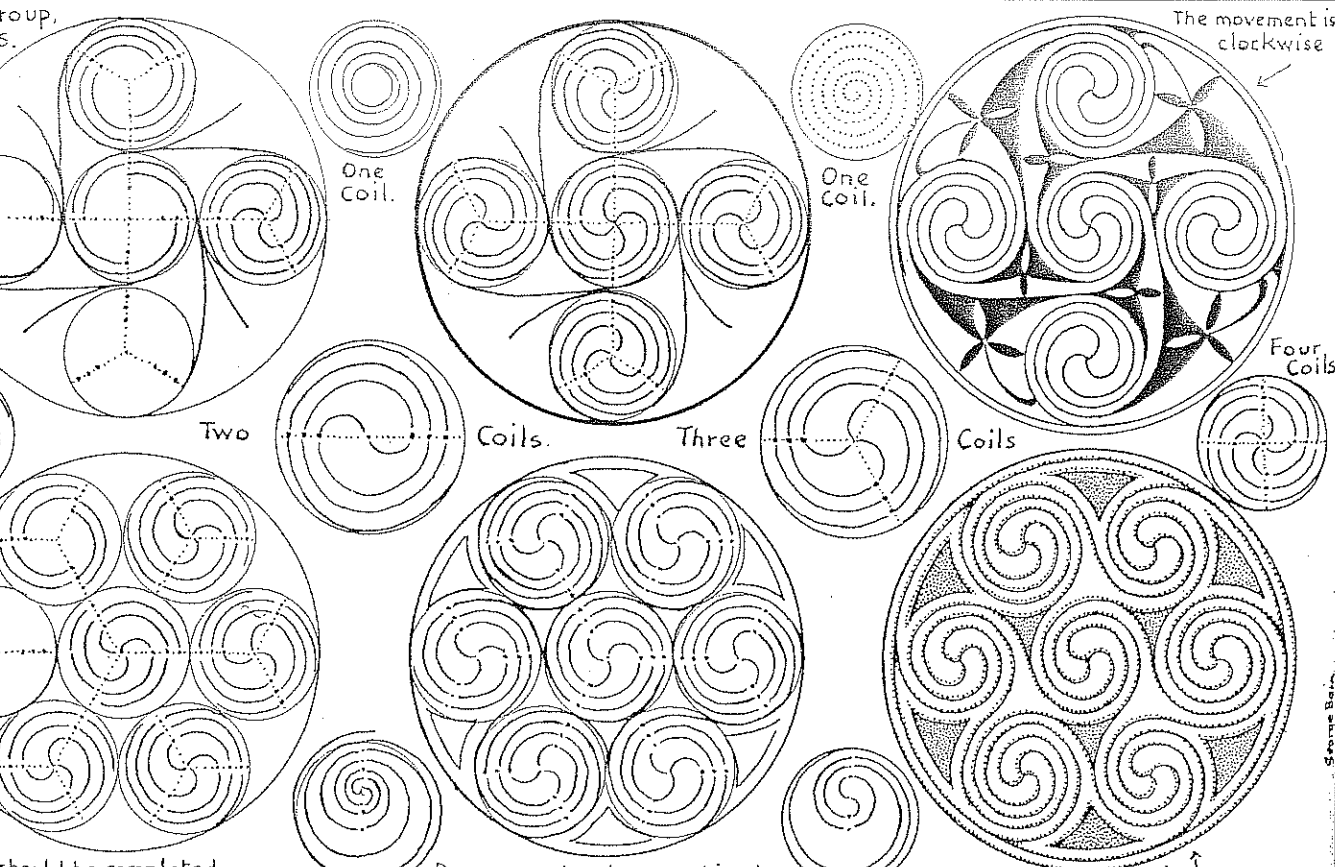
The Meth



Two lines



Methods of joining Spirals in "C" (top) and "S" (bottom) fashions. Top from "Book of Kells". Bottom from "Aberlemno Stone".



should be completed next is commenced.

Two coils.

Draw round a disc touching two circles. Each addition touches two.

Two coils.

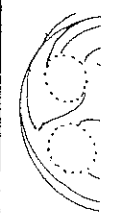
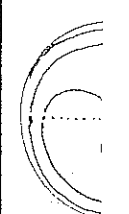
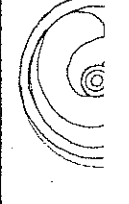
The movement is anticlockwise.

Plate 4

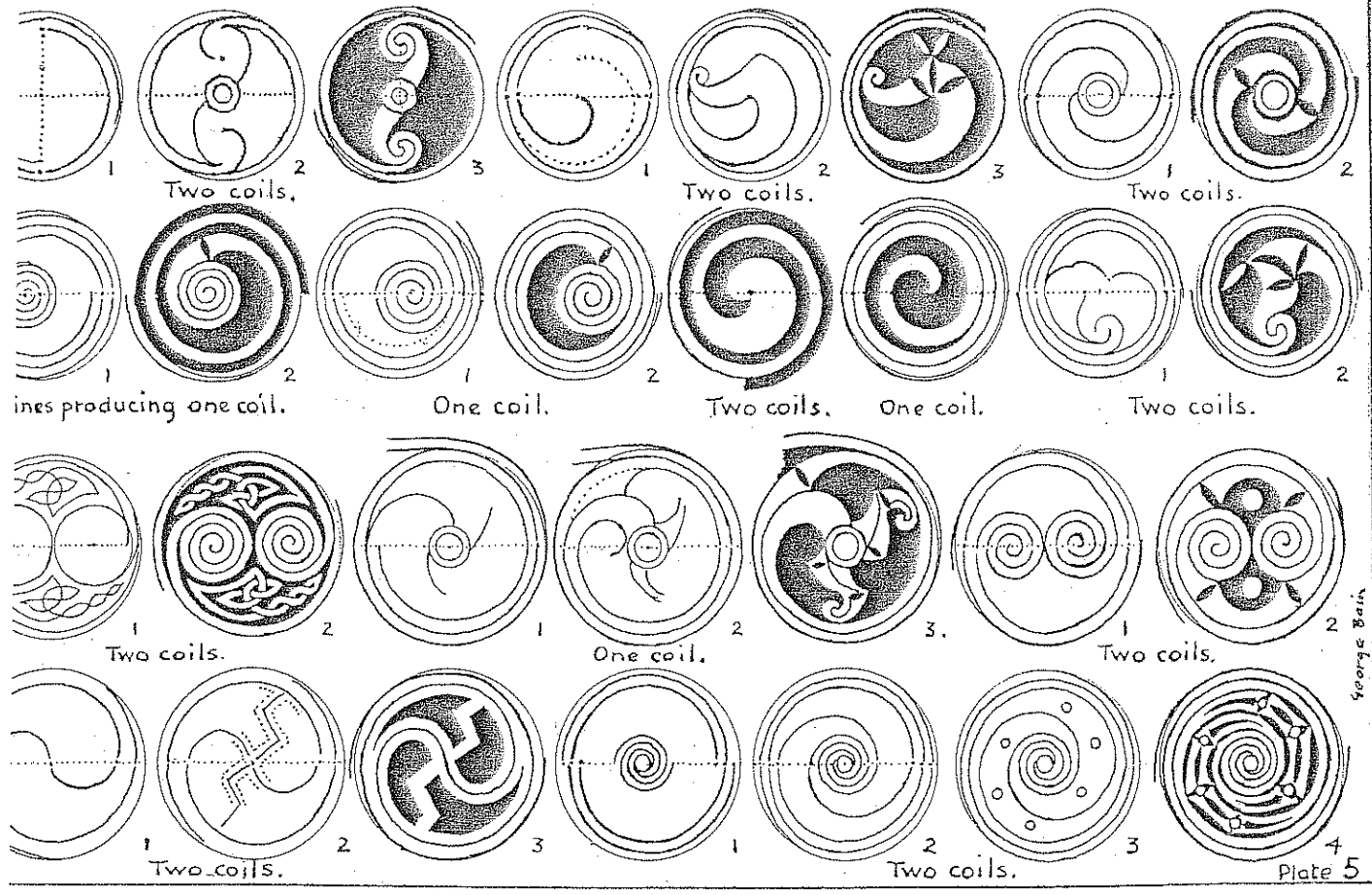
The Meth



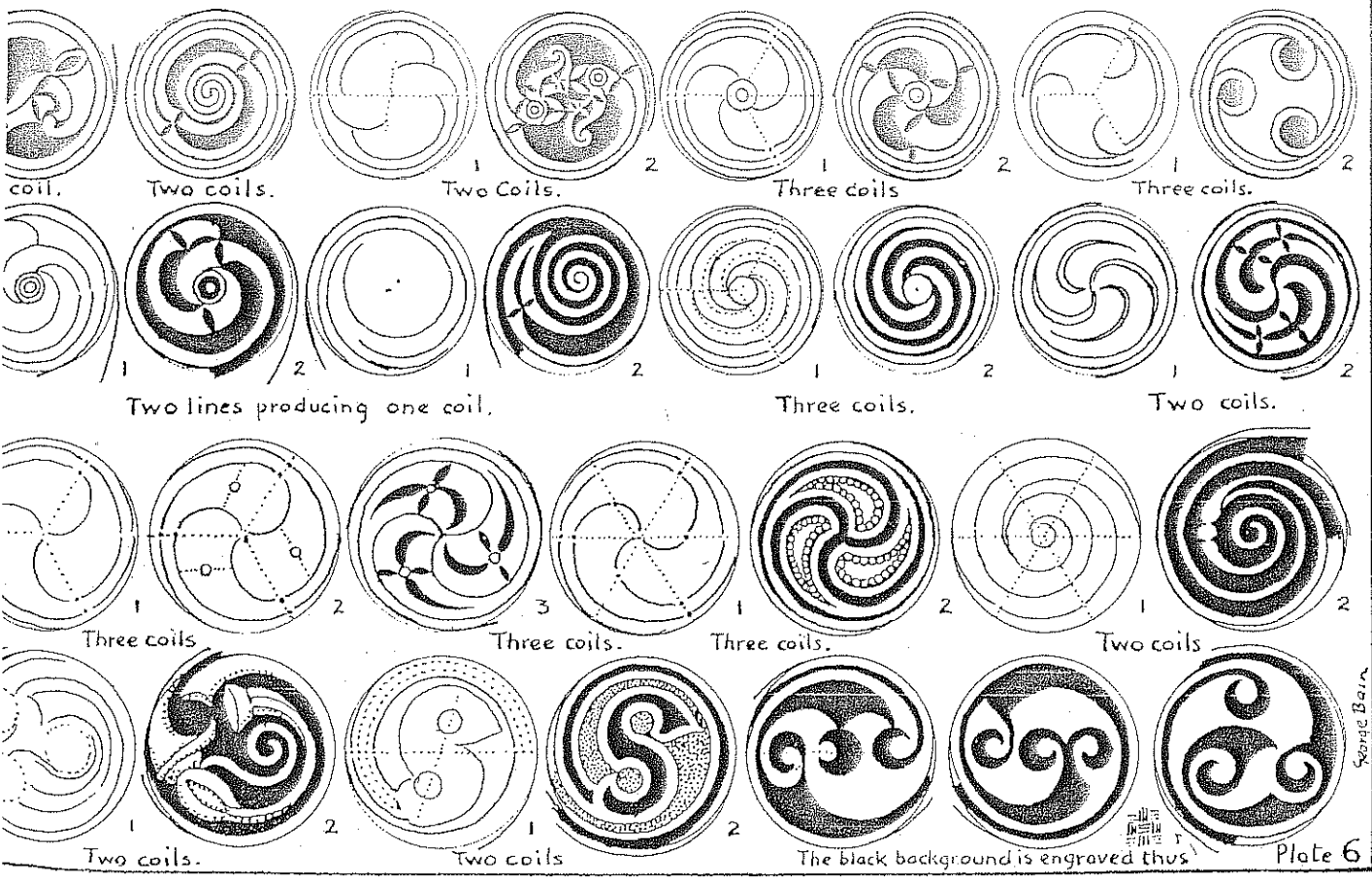
One coil



Methods of Construction of a few Spiral Centres from Enamel Work of Ancient British Art and various Pictish Celtic Art.



Methods of Construction of a few Spiral Centres from M.S.S. and Enamel Works of Ancient British and Pictish Art.



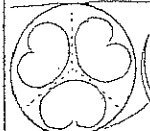
Groups in the manner of the Pictish School, from the Book of Durrow.



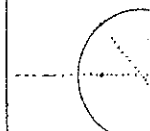
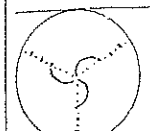
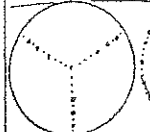
Plate 7.

The Meth

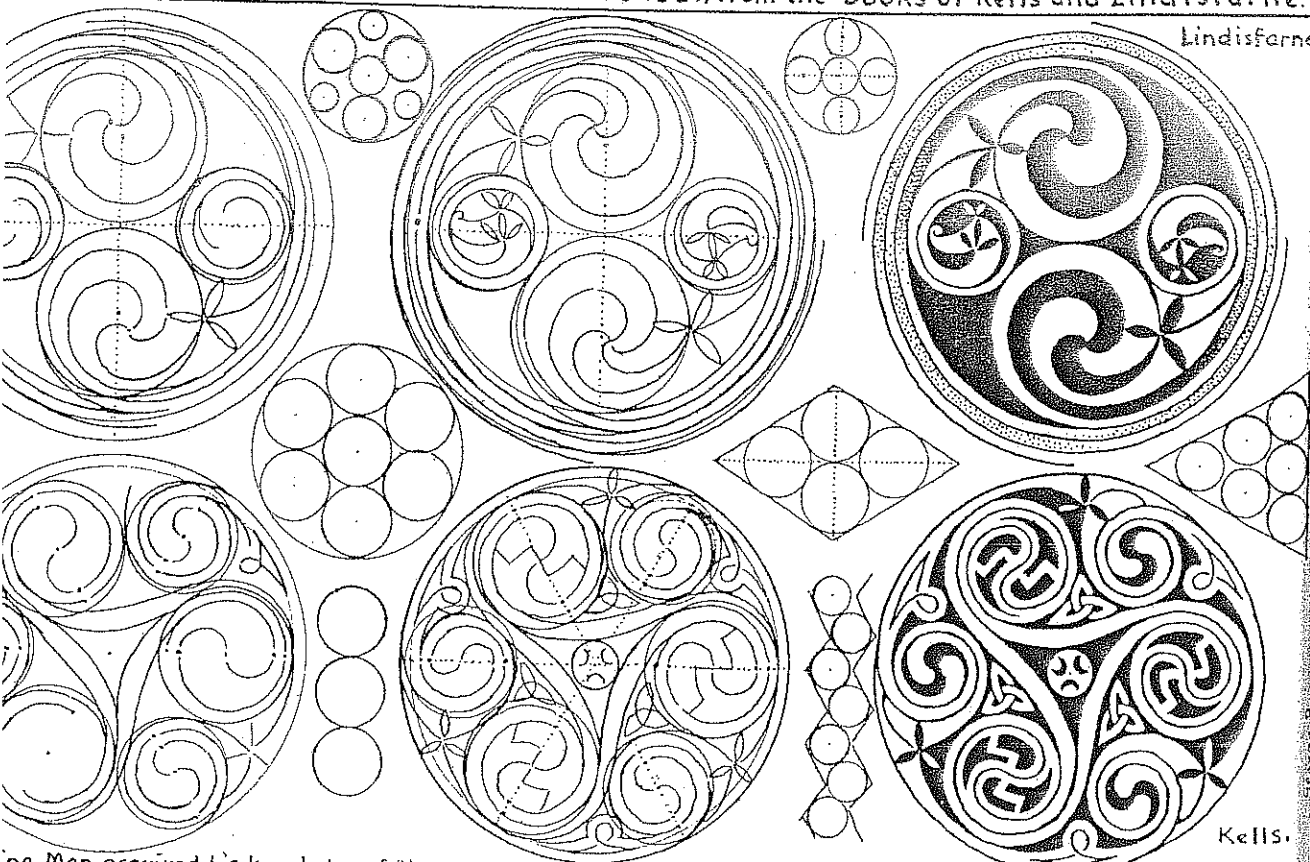
From the



The order



Groups in the manner of the Pictish School, from the Books of Kells and Lindisfarne.

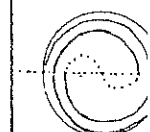


Lindisfarne.

Kells.

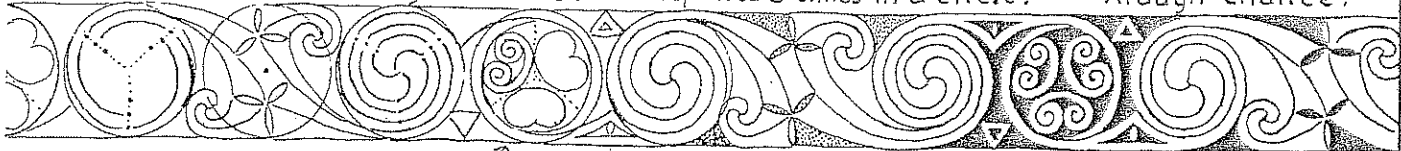
Plate 8

Some Spiro



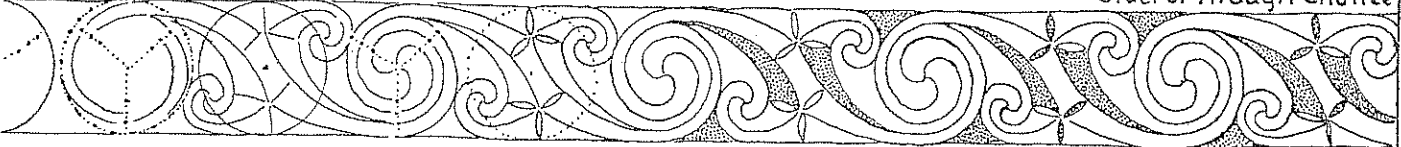
ing, Man acquired his knowledge of the geometry of circles by the use of discs. He found that six discs fitted exactly round one. The student is advised to experiment in this manner to gain knowledge.

Methods for the Construction of Spiral Borders of the Pictish School of Celtic Art.  
 the under-base of the Ardagh Chalice. It is repeated 5 times in a circle. Ardagh Chalice.

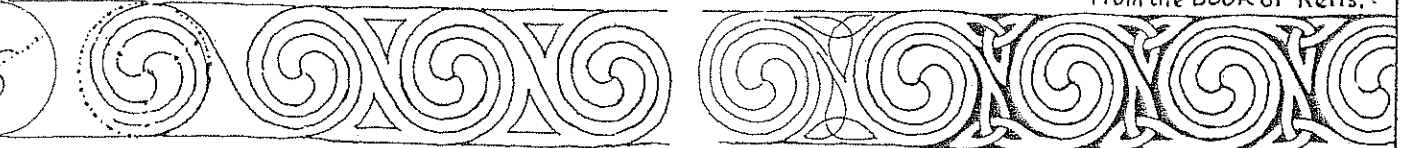


order of the above, without this ↗

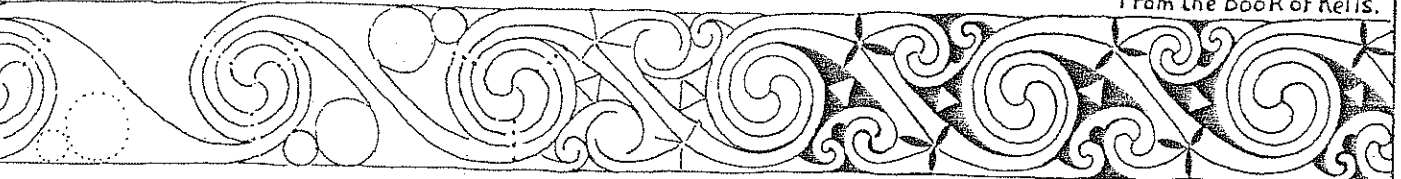
Order of Ardagh Chalice



From the Book of Kells.



From the Book of Kells.



From the Book of Kells.

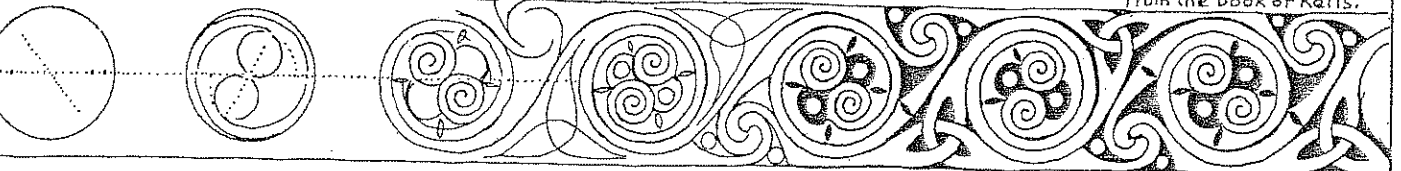
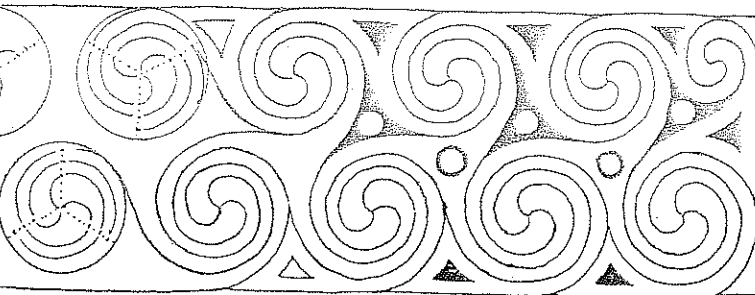


Plate 9.

Spiral Borders From the Book of Kells and Spiral terminals from various M.SS, and Ornamented Stones.



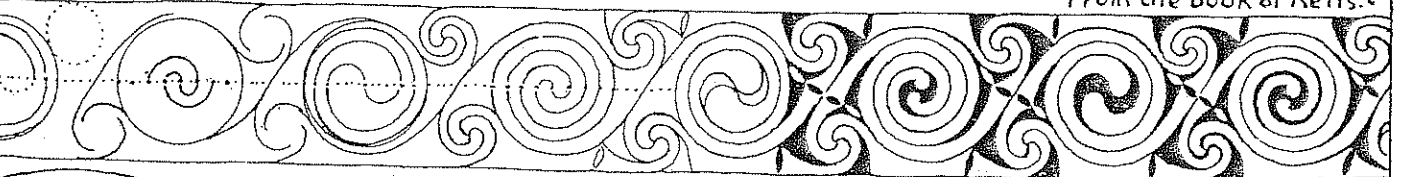
From the Book of Kells.



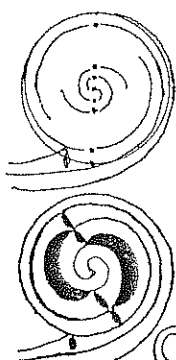
From the Book of Kells.



From the Book of Kells.



Book of St Gall and Cotton MS. Vespasian A. 1.



George Bain

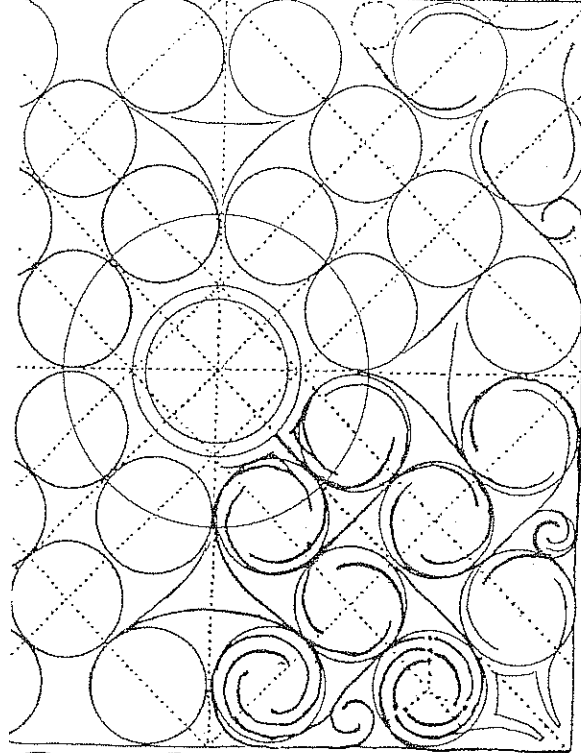


St Vigean's

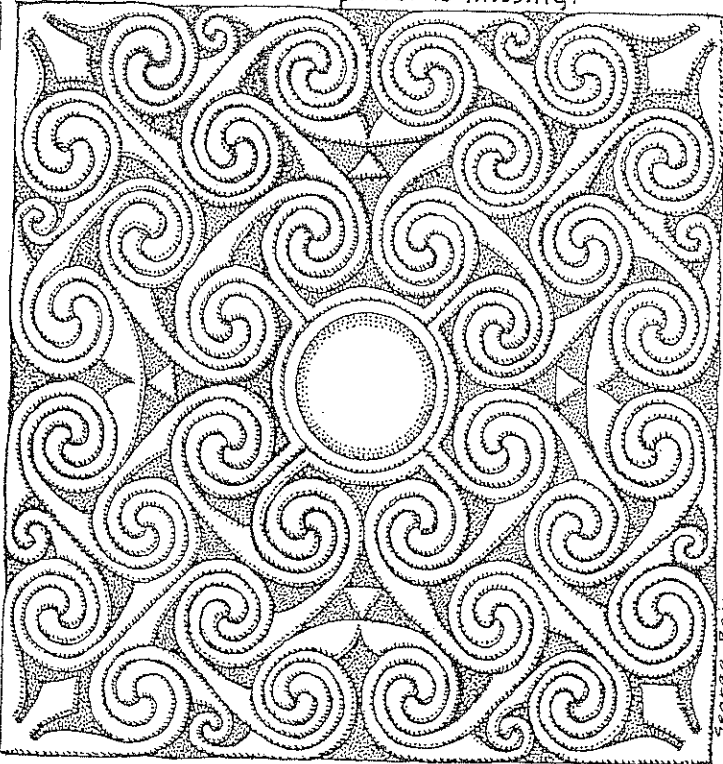


Plate 10

Construction of the Spiral Panel on the Hilton of Cadboll Stone, Ross-shire. (Pictish School)  
 The stages of Construction.



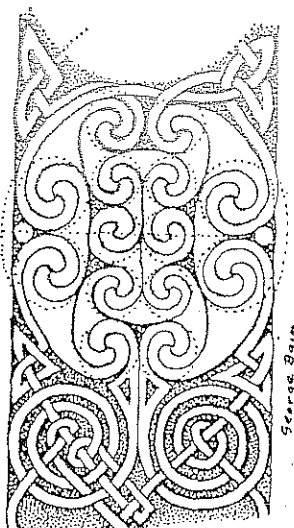
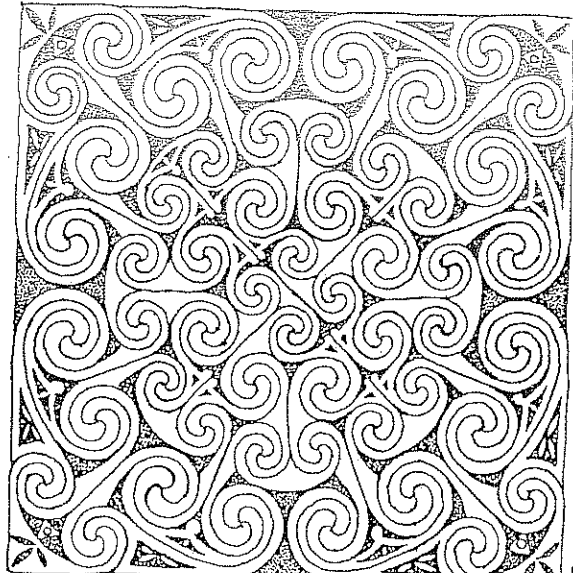
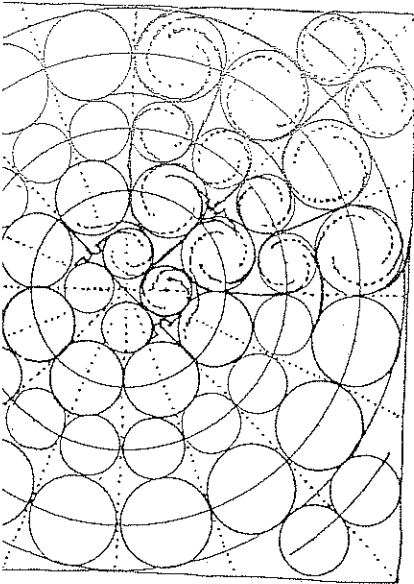
More than half of this panel is missing.



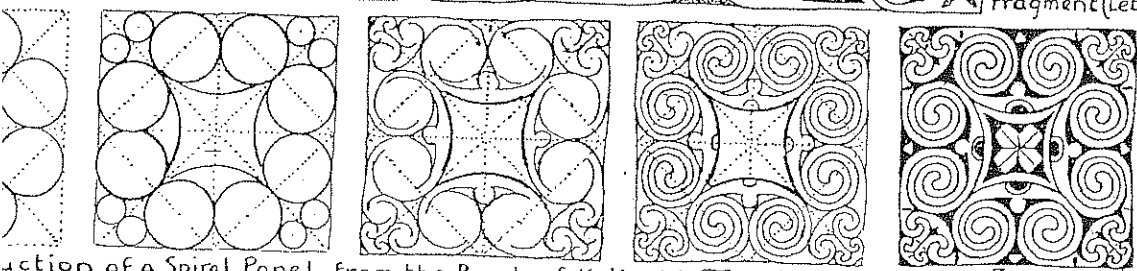
In this example, the development of the spirals is easiest from the outside of the rotation. The three lines should be started in each circle before the three coils are completed or joined together.

Plate 11.

Construction of the Spiral Panel on the Shandwick Stone Ross-shire.



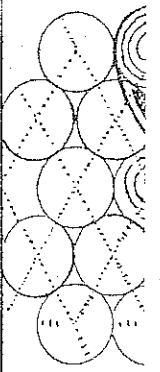
Reconstruction of a stone fragment (Lethnott, Brechin)



The student is advised to create new geometrical arrangements for use in three dimensional treatments.

Construction of a Spiral Panel, from the Book of Kells, plate VII studio. Actual Width  $\frac{3}{8}$  inch. Plate 12.

The Metho



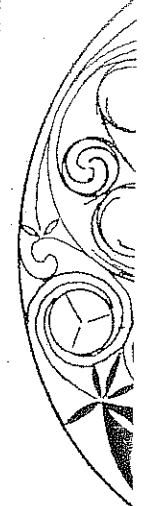
Type of A



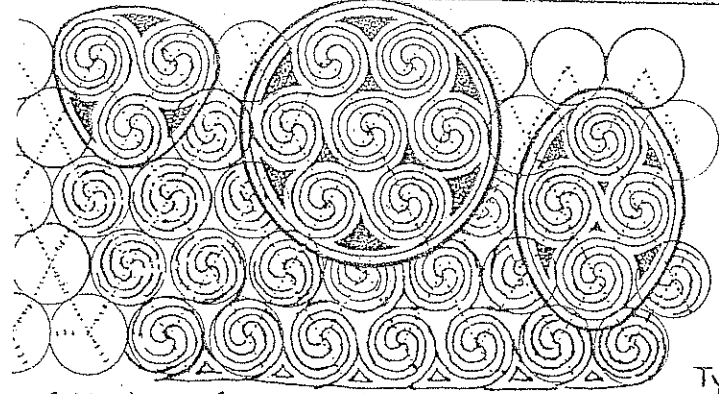
Examples

Spiral Gro

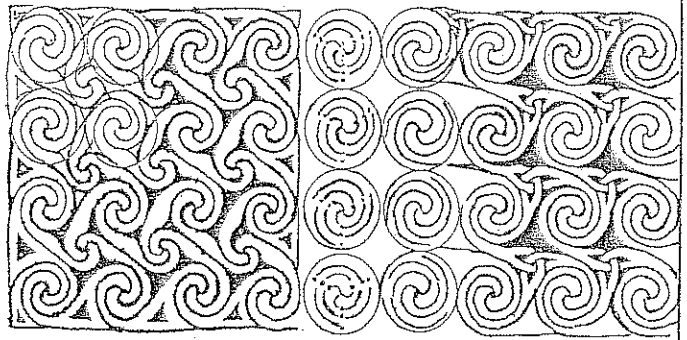
Book of Ke



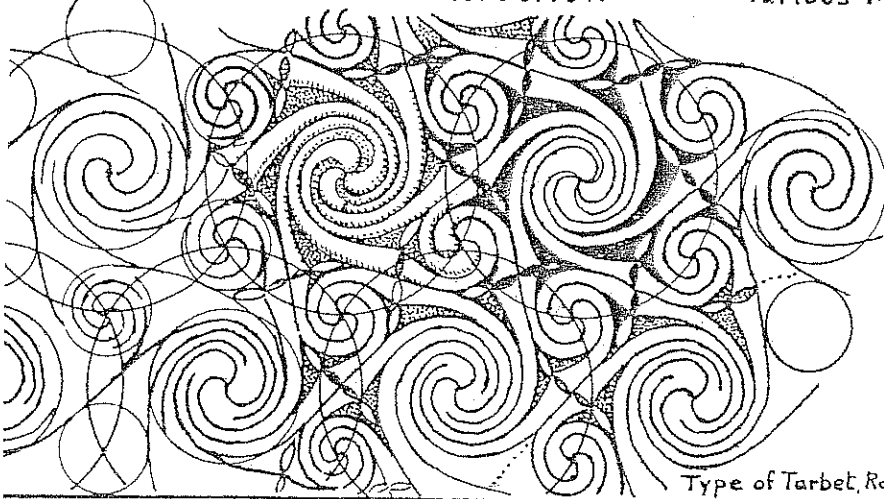
Methods of Construction of All-over Spiral Patterns (stone and Mss.) of the Pictish School of Celtic Art.



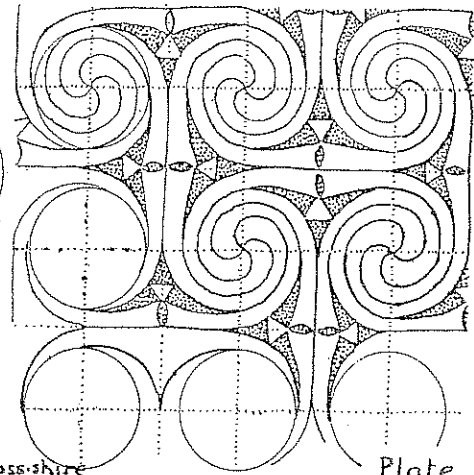
of Aberlemno Stone and the Book of Durrow



Type of Tarbet, Ross-shire, from stone fragments, Various M.s.s., and Pictish Stones.



Type of Tarbet, Ross-shire



George Bain

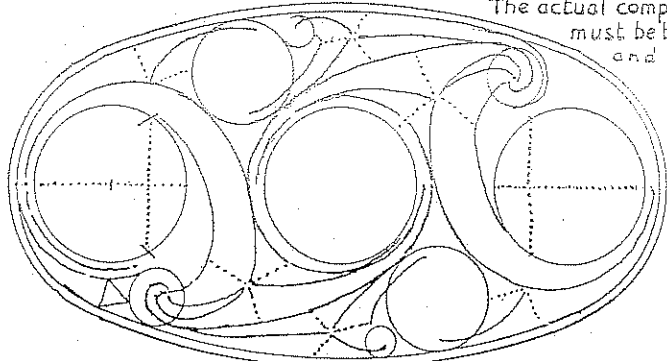
Plate 13.

Principles from the Books of Kells and Lindisfarne in the manner of the Pictish School.

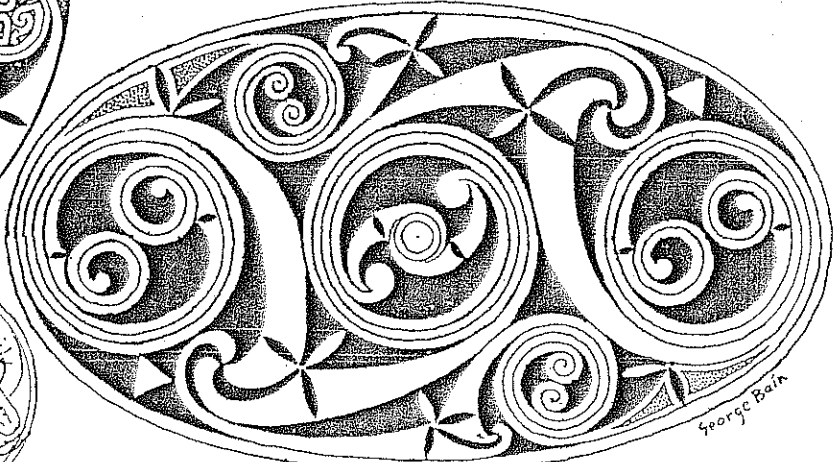
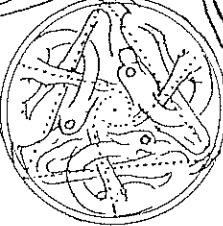
1. Group from the Book of Kells.

Actual diameter  $\frac{15}{16}$  inch.

The actual completion must be by hand and eye.

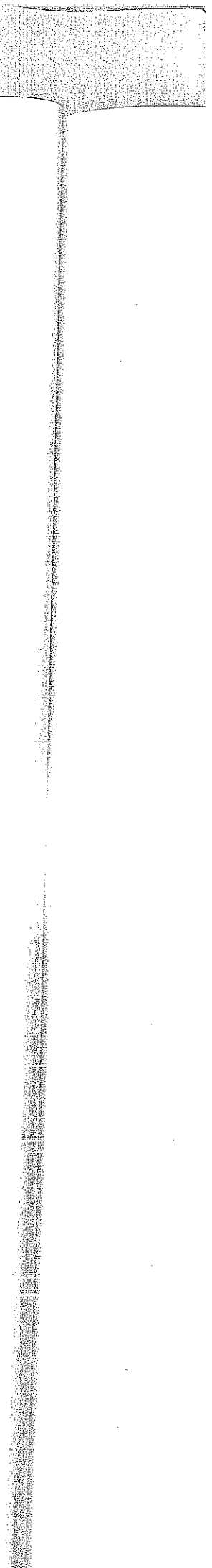
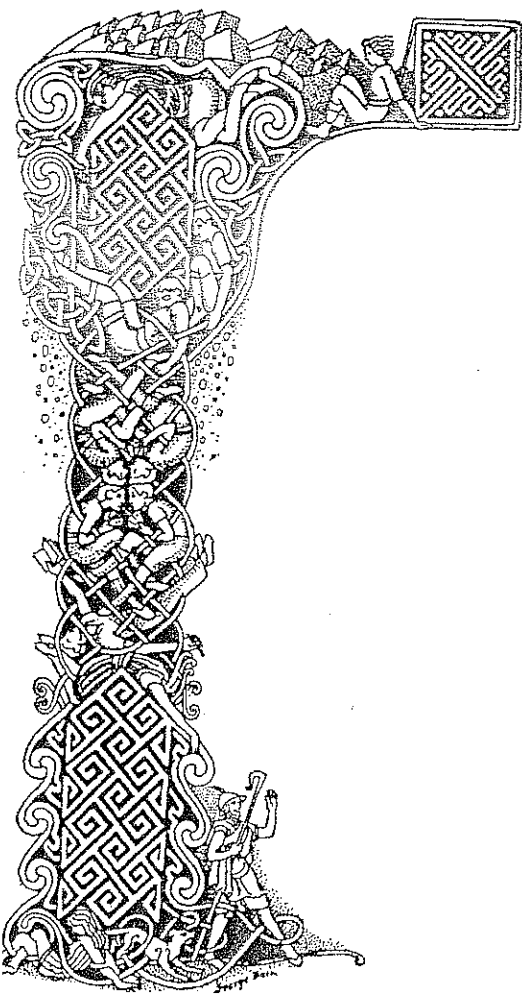


Book of Kells  
The tails of 3 dogs terminate in interlacing bodies, necks and limbs.



George Bain

From Book of Lindisfarne. Width 2 1/2" Plate 14.



Celtic Lettering from the Book of Kells Script. Quill Formations.

Period 4<sup>th</sup>-6<sup>th</sup> Century.

a b c d e f g h i j k l m n o

Actual formations.

p q r s t u v w x y z &

Ampersand

a b c d e f g h i j k l m n

A modification for modern uses.

o p q r s t u v w x y z

K and W are added to both alphabets.

Plate 1.

George Bain

The Celtic Small Script a and Capital A from the Books Durrow, Kells and Lindisfarne.

Small. -----> <----- Capital

a a a a a A A A A A A

Books of Durrow, Kells and Lindisfarne.

Book of Durrow

Book of Kells.

Book of Lindisfarne

Book of Kells

Book of Kells

Book of Kells.

a=ae e=ea

A A A A A A A A A A A

Book of Kells

Book of Kells

Book of Kells.

Book of Lindisfarne

Book of Kells

Book of Lindisfarne.

Book of Lindisfarne

Book of Kells.

Book of Kells.

A A A A A A A A A A A

All of this row are from the Book of Kells

A a a A A A e u m n

Book Capital and Small. Phoenician.

Arabic.

Hebrew.

Contraction for a

ae

au

man.

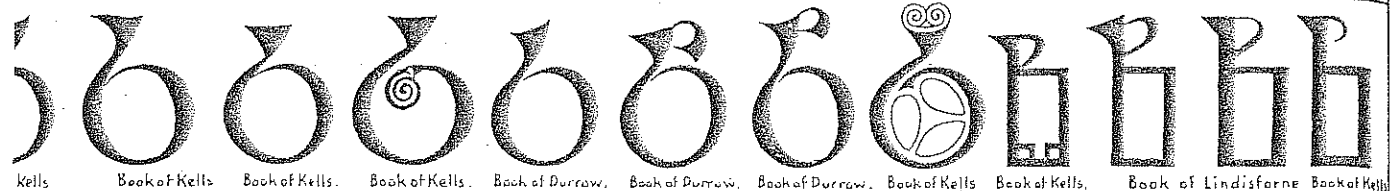
from the Book of Kells.

Plate 2.

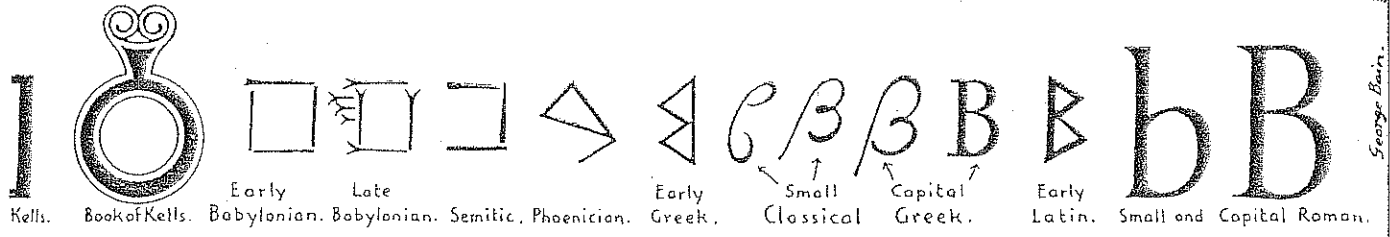
George Bain



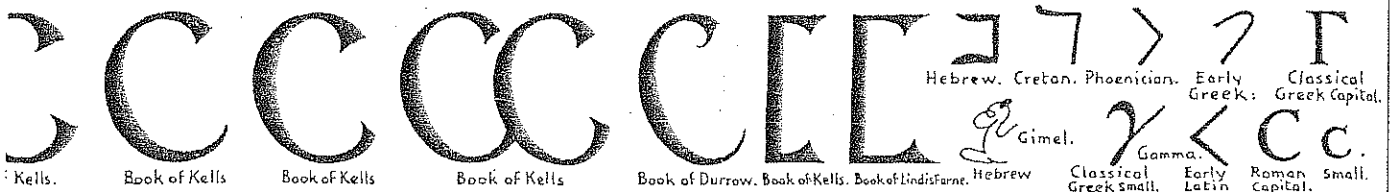
Celtic letters B, C, and D, from the Books of Durrow, Kells and Lindisfarne.



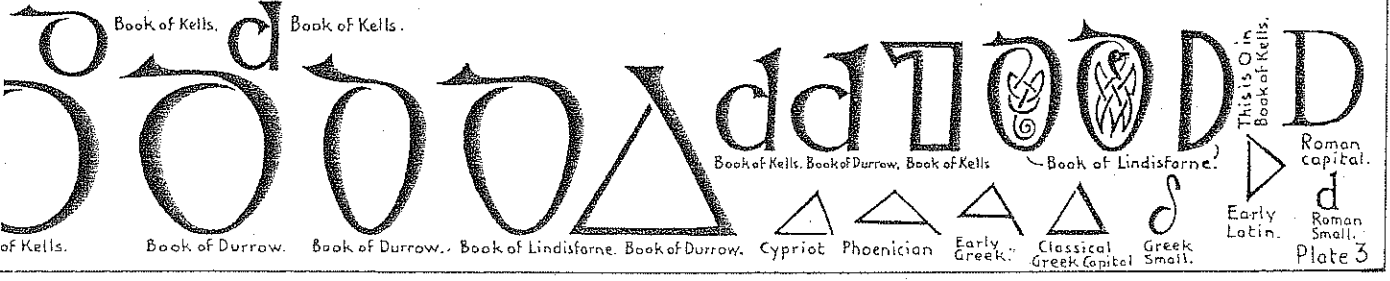
Kells. Book of Kells. Book of Kells. Book of Kells. Book of Durrow. Book of Durrow. Book of Durrow. Book of Kells. Book of Kells. Book of Lindisfarne. Book of Kells.



Kells. Book of Kells. Babylonian. Babylonian. Semitic. Phoenician. Greek. Early Greek. Small Classical Greek. Capital Greek. Early Latin. Small and Capital Roman.

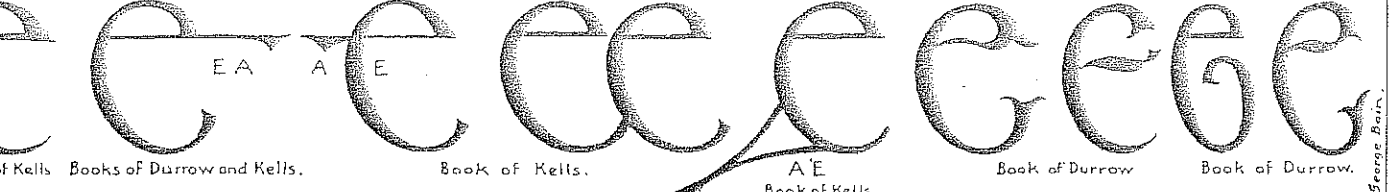


Kells. Book of Kells. Book of Kells. Book of Kells. Book of Durrow. Book of Kells. Book of Lindisfarne. Hebrew. Classical Greek Small. Early Latin. Roman Small Capital.

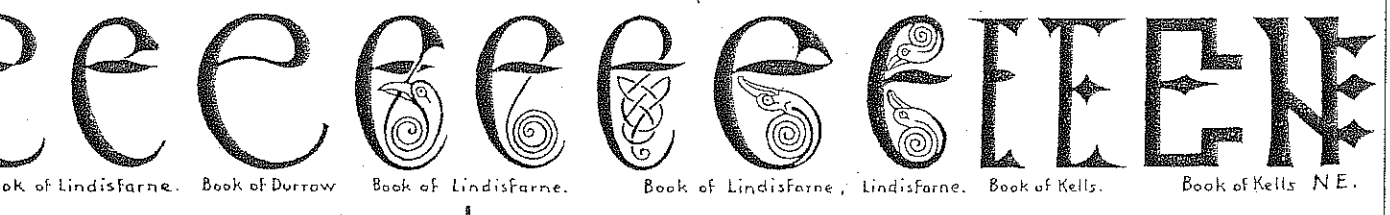


Book of Kells. Book of Kells. Book of Durrow. Book of Durrow. Book of Lindisfarne. Book of Durrow. Cypriot Phoenician. Early Greek. Classical Greek Capital. Greek Small. Roman capital. d Roman Small. Plate 3.

Celtic Letters E, F, and G, from the Books of Durrow, Kells and Lindisfarne, 4<sup>th</sup>-6<sup>th</sup> Century.



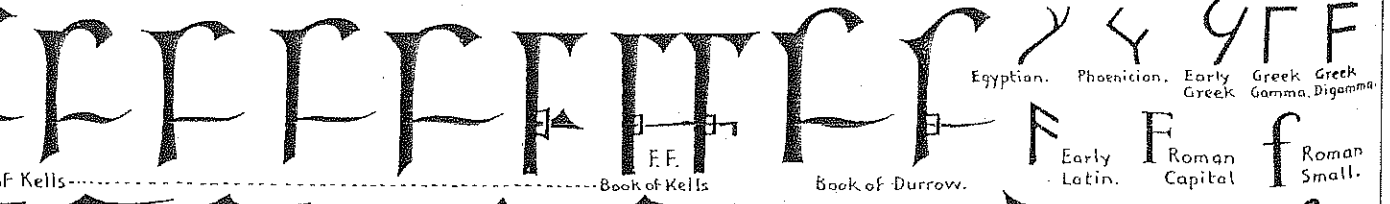
of Kells. Books of Durrow and Kells. Book of Kells. Book of Kells. Book of Durrow. Book of Durrow.



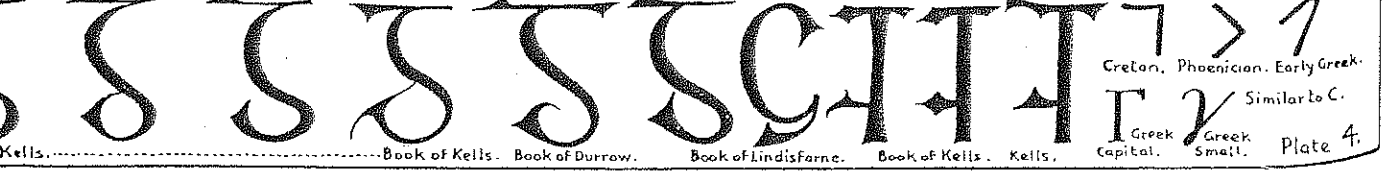
Book of Lindisfarne. Book of Durrow. Book of Lindisfarne. Book of Lindisfarne. Lindisfarne. Book of Kells. Book of Kells. NE.



in Phic. Egyptian Hieratic. Hebrew. Phoenician. Cretan. Greek Capital. Small. Greek Capital. Small. Greek Small. Greek Small. Greek E. Roman Capital. Roman Small. Celtic EA. Celtic OE.



of Kells. Book of Kells. Book of Durrow. Book of Durrow. Egyptian. Phoenician. Early Greek. Greek Gamma. Digamma. Early Latin. Roman Capital. Roman Small.



Kells. Book of Kells. Book of Durrow. Book of Lindisfarne. Book of Kells. Kells. Cretan. Phoenician. Early Greek. Greek Capital. Greek Small. Plate 4.

The  
Book  
Cret  
Book  
NK  
in Celt  
Britain  
Books of  
The  
Book of  
m  
Durrow  
Book  
Bo



Letters P, Q, R, from the Books of Durrow, Kells and Lindisfarne 4<sup>th</sup> 6<sup>th</sup> Century.

The Celtic

Book of Kells

Book of Lindisfarne

Book of Kells

Book of Kells

Letters S, T, from the Books of Durrow, Kells, and Lindisfarne. 4<sup>th</sup> 6<sup>th</sup> Century.

Celtic

Book of Kells

Book of Lindisfarne

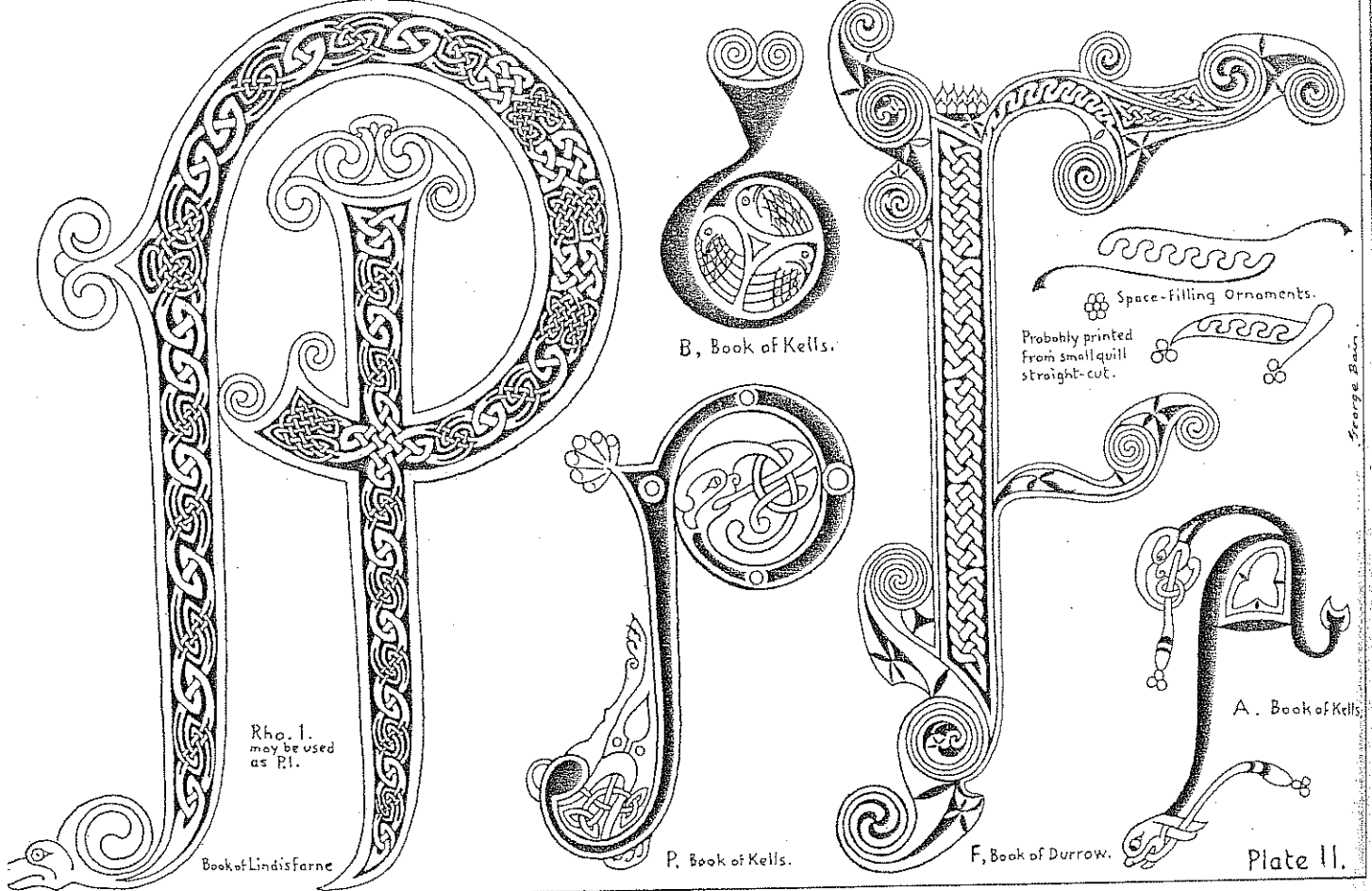
Book of Kells

Book of Kells

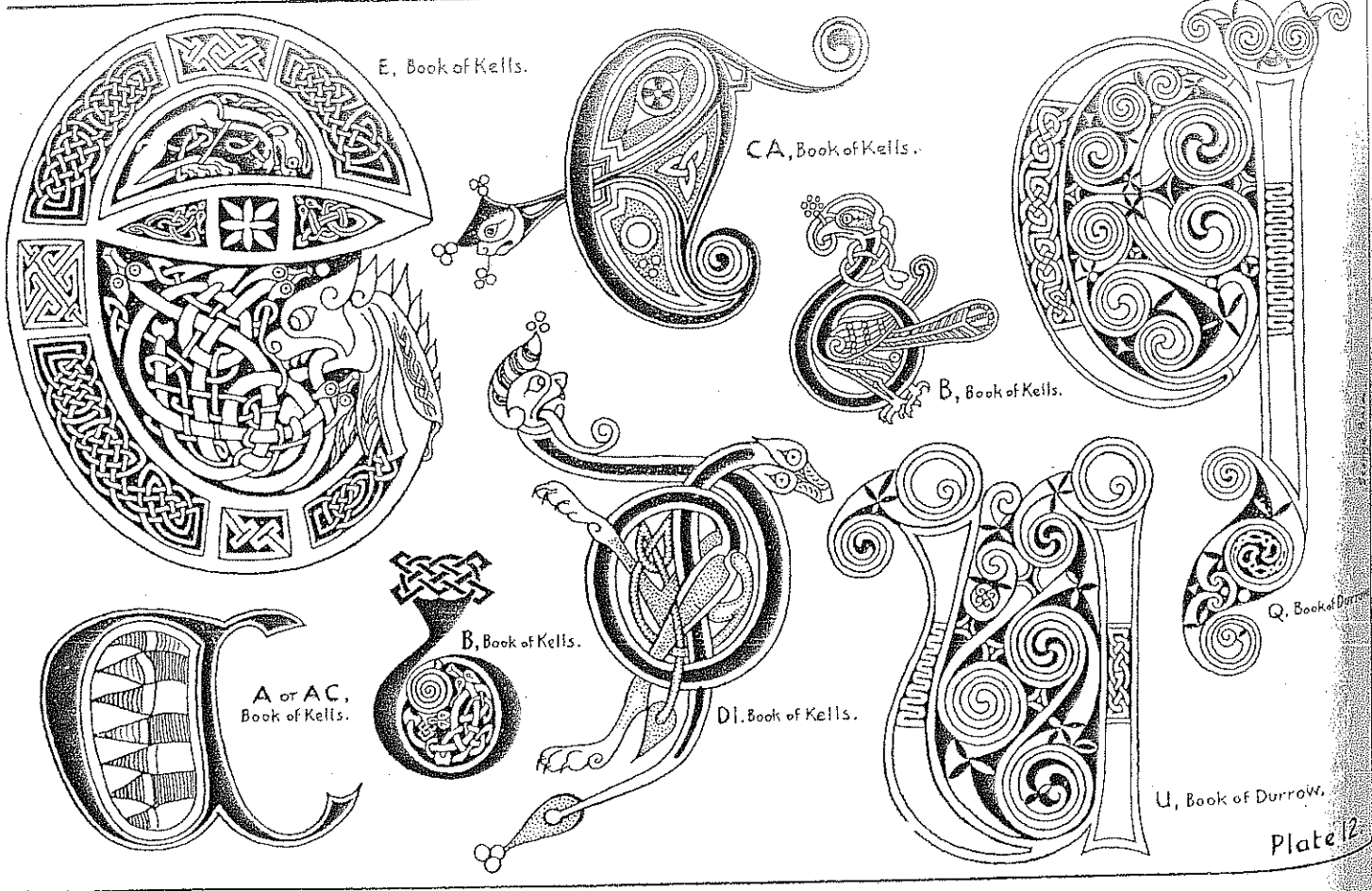
Book of Kells



Ornamented Celtic Capital Letters from the Books of Durrow, Kells, and Lindisfarne.



Ornamented Celtic Capitals from the Books of Durrow and Kells.





<sup>A</sup> 2, a b c ó e f s h 1 1 2 1 <sup>M</sup>

To begin sentences. Capitals.  
paragraphs.

N O P R S C U 10. 11. 12. 13. 14.  
15. 16. 17. 18. 19.

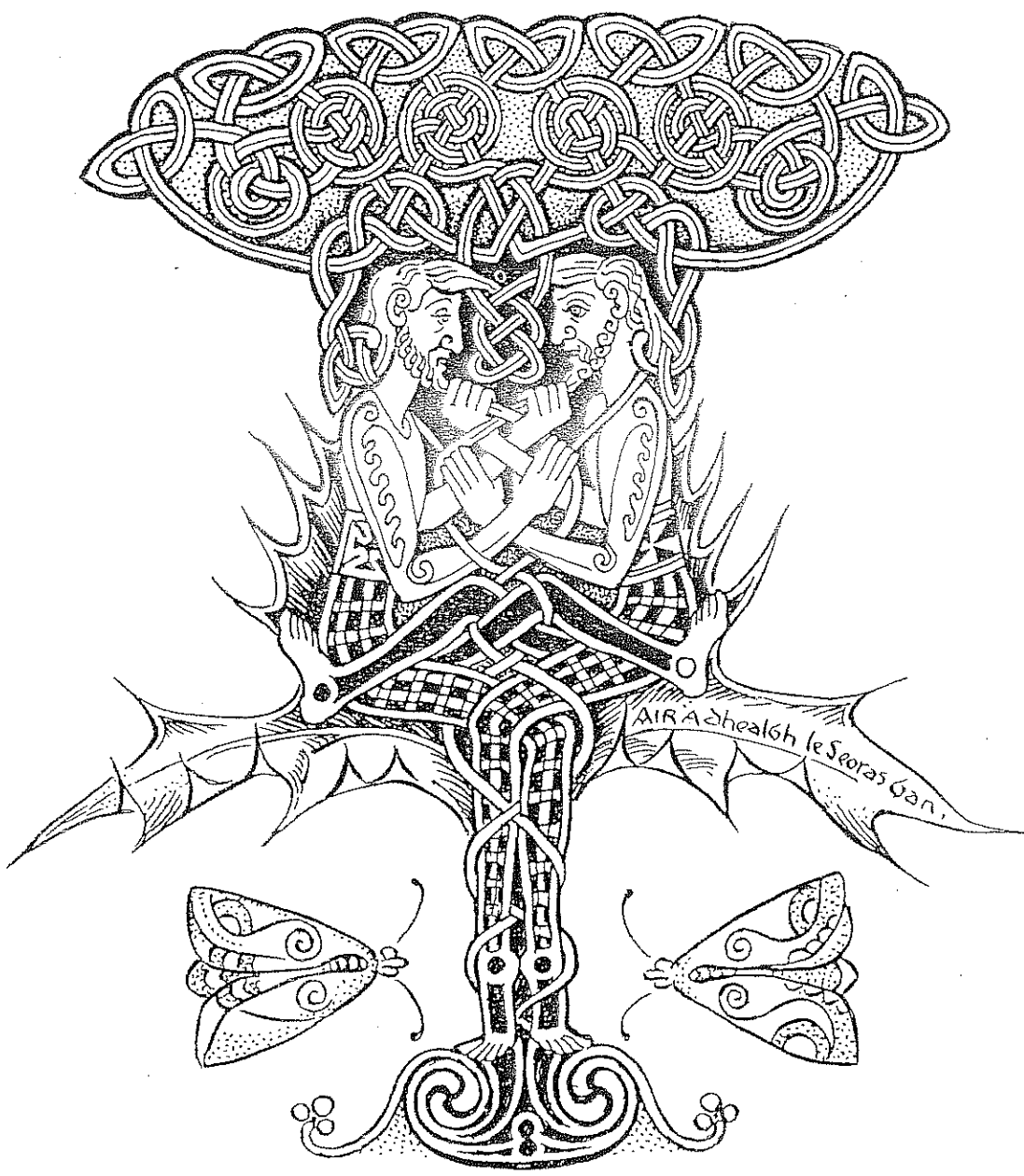
Smalls.

a b c ó e f s h i l m n o p r s t u

a ch ò. a r r. e a c. e a. e a. m. b h. c h. ò h. r h. s h.  
a r̄. ̄. ̄. b c. e. c̄. ñ. b̄. c̄. ò. f̄. s̄.

Contractions — mh. ph. rh. th. u1. aō. a sur.  
( ) . : ; , ? ! - m̄ . p̄ . r̄ . t̄ . r̄ . r̄ . 7

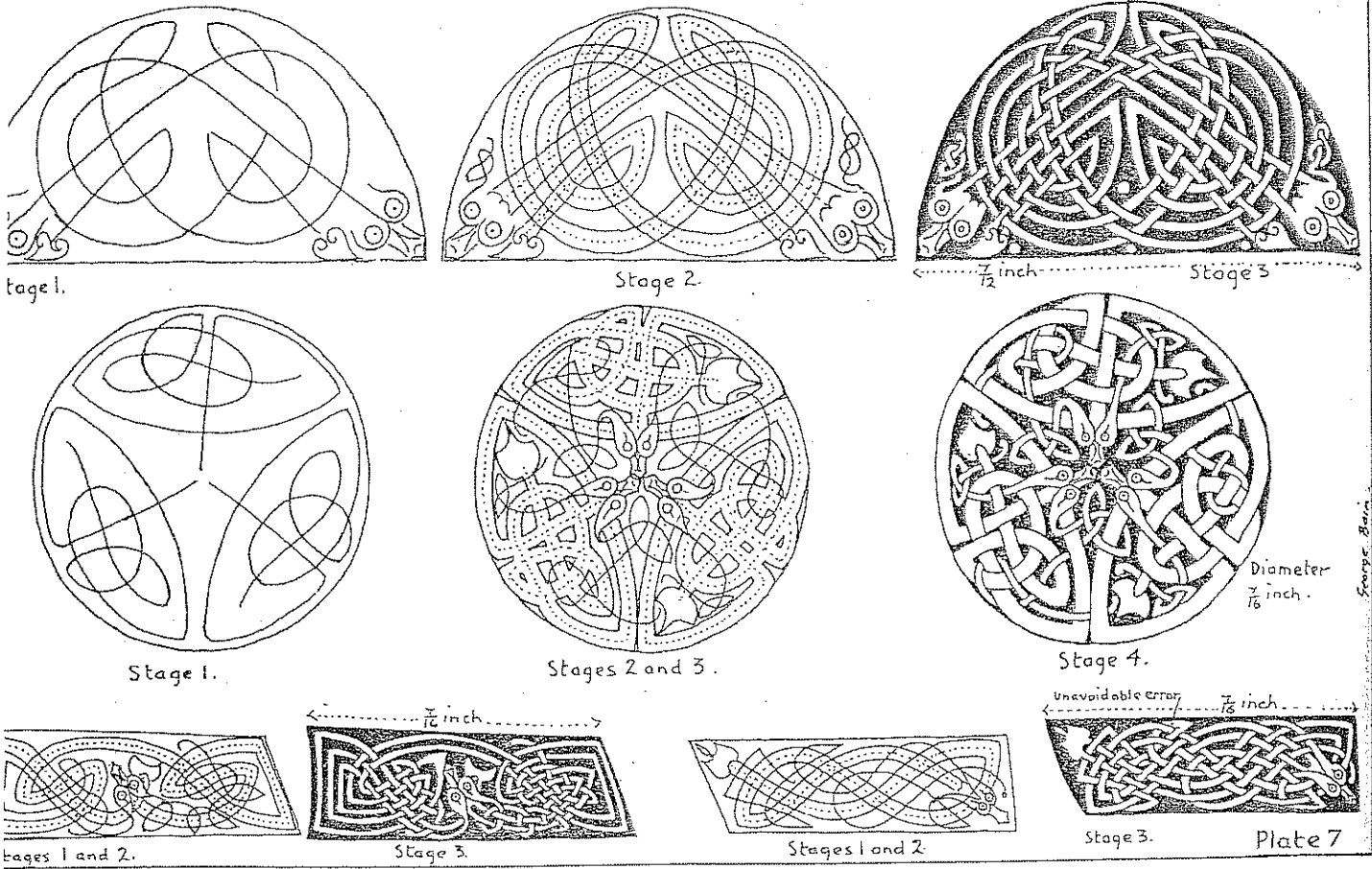
George Bain  
Plate 15.



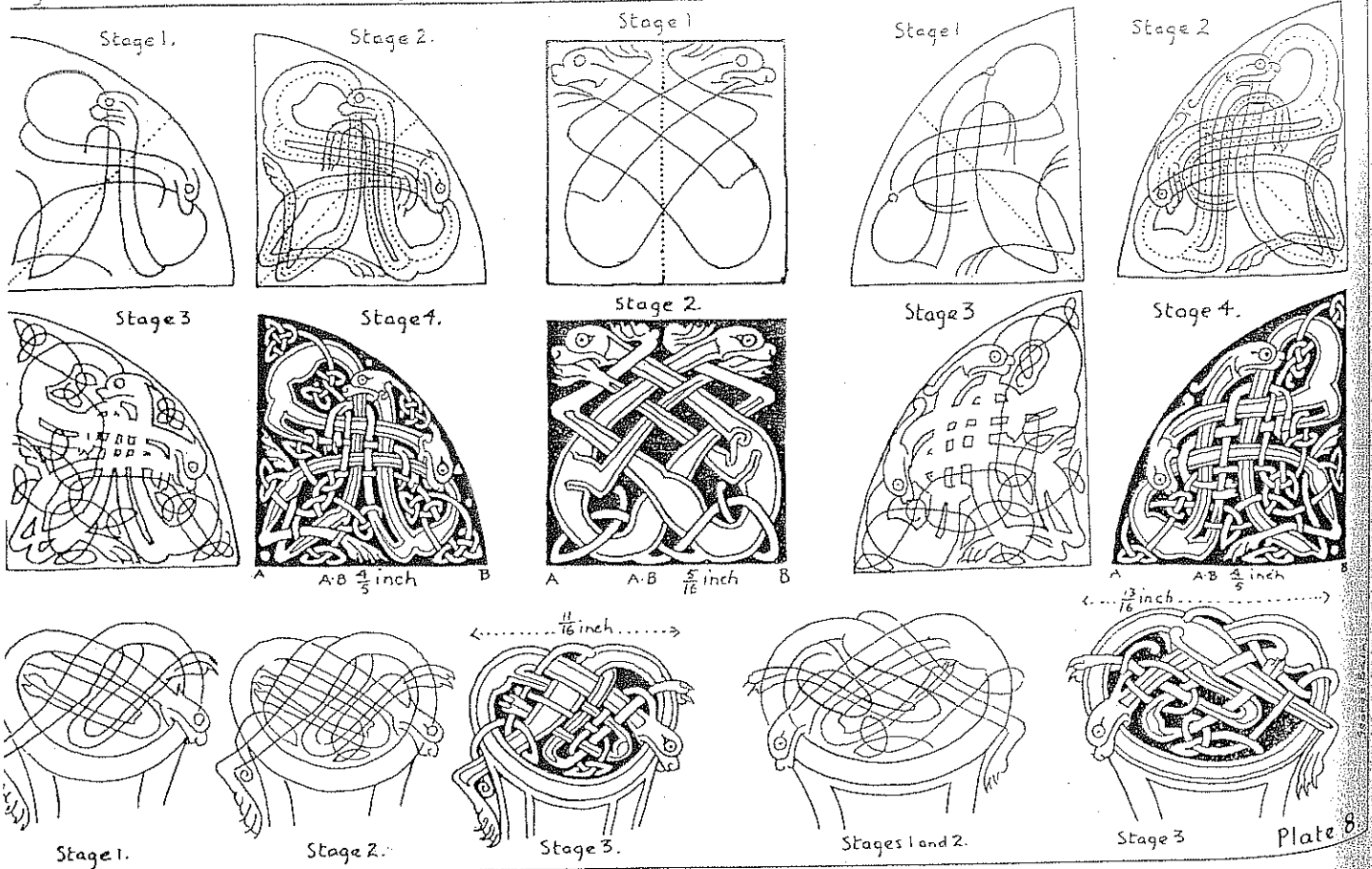
AIR A' dhealgh le Seoras Gan.



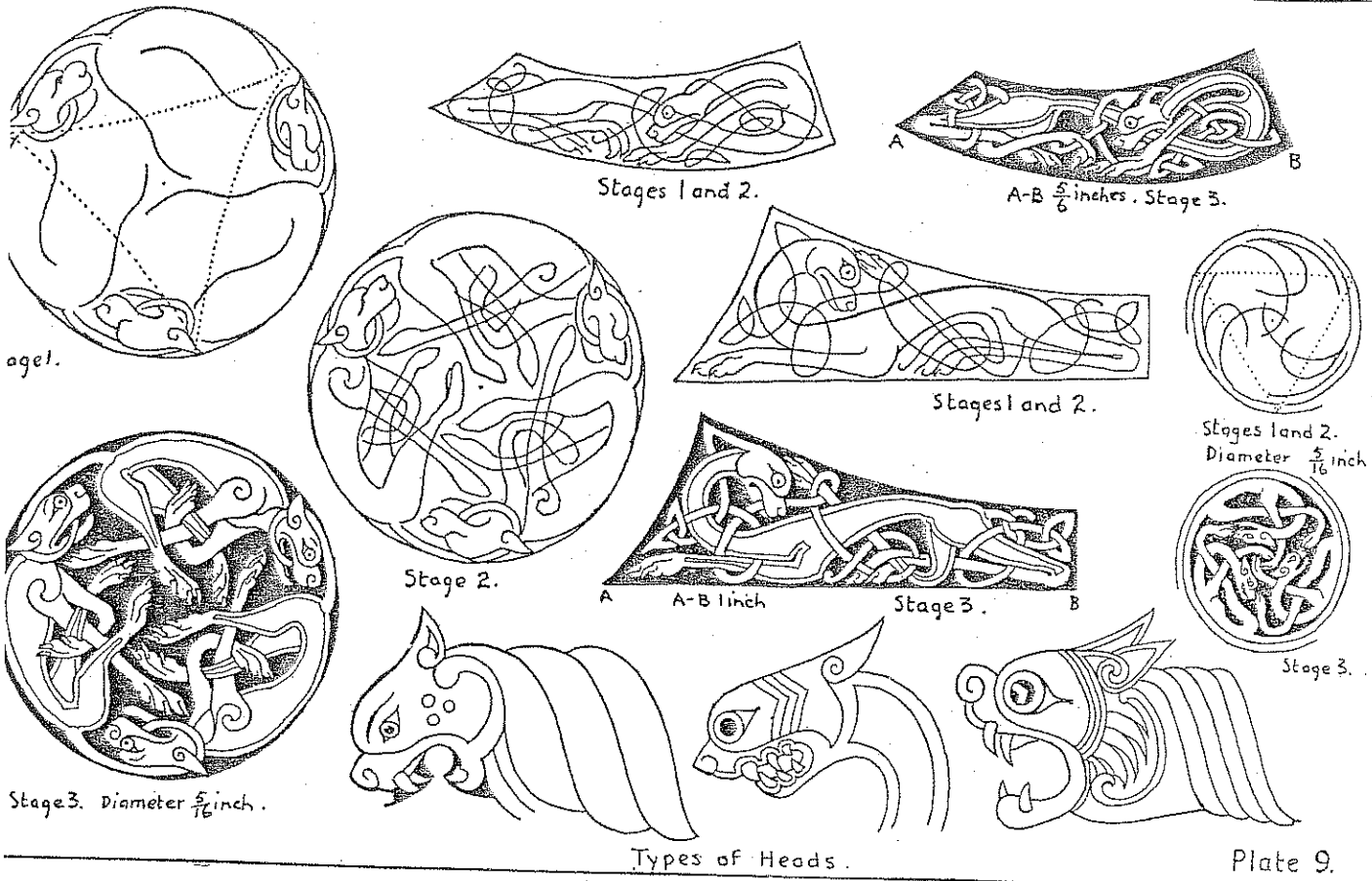
Methods of Construction of Reptiles as Ornaments, from the Book of Kells.



og-like Animals. Head, Top-knot, Tail, Hind-leg, Fore-leg and Body, from the Book of Kells.

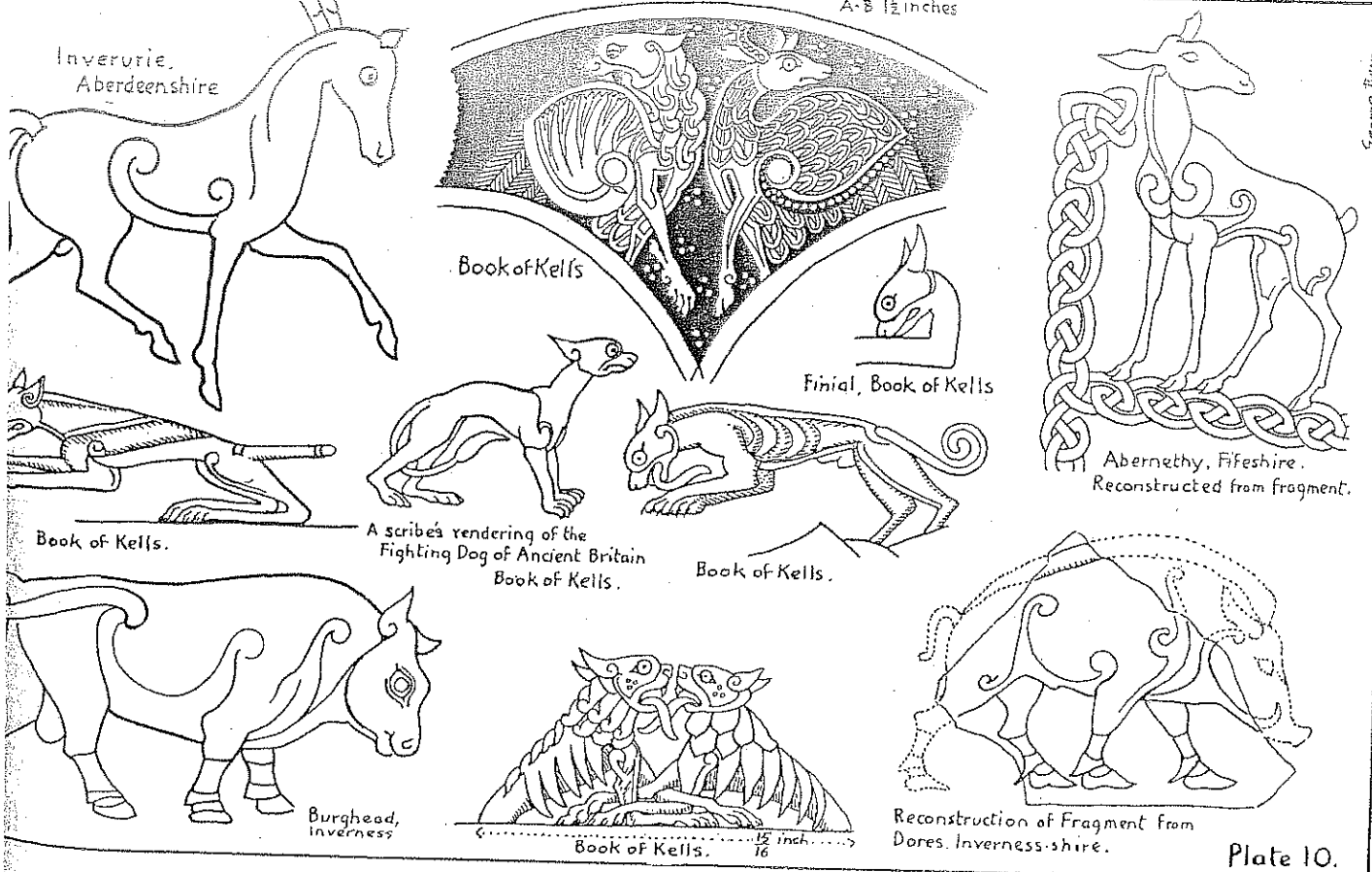


The Use of Animals as Interlacing Ornaments. From the Book of Kells.



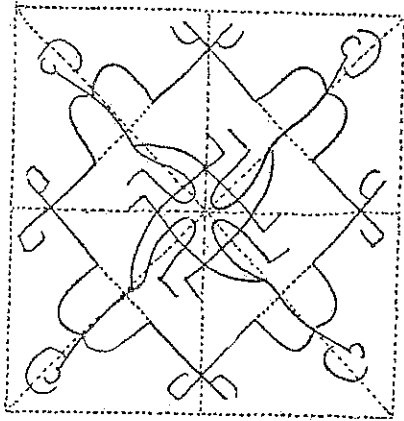
George Bain

Realistic and mythical Animals from Scottish Stones and the Book of Kells.

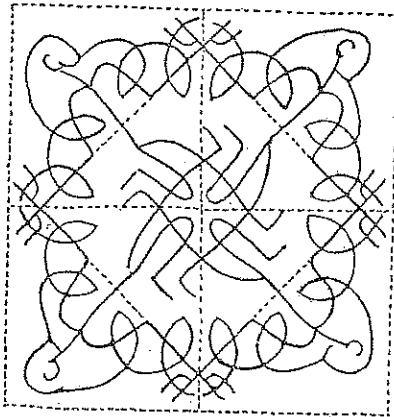


George Bain

Human Male Figures in Ornament from Stone at Clonmacnoise, and Book of Kells

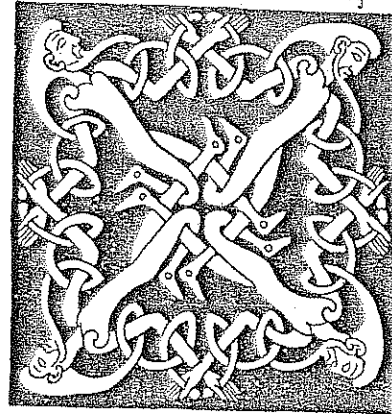


Stage 1.



Stage 2

Cross-shaft at Clonmacnoise, Ireland.  
Reconstructed from a rubbing

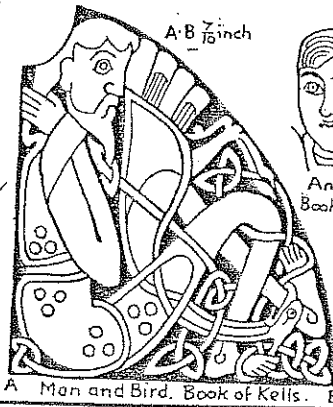


Stage 3.

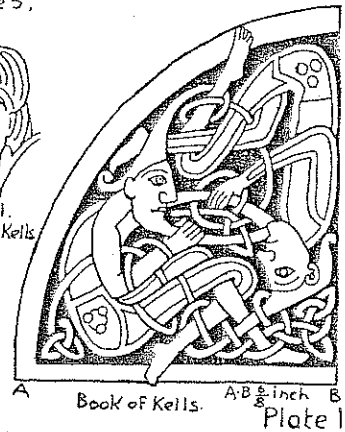
Compare with Stone of Cong.



Finial, Book of Kells



Angel, Book of Kells

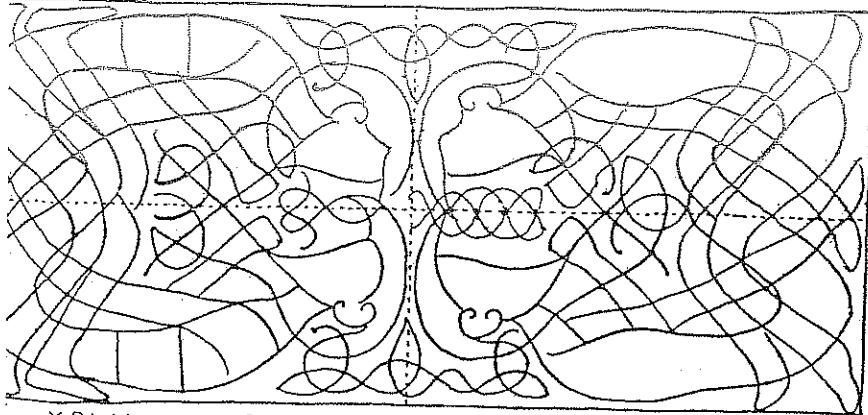


George Bain

Book of Kells. A-B 5/8 inch B

Plate 13

Hard-pullers and other interlaced Human Male Figures in Ornament, from the Book of Kells.



from X.P.I. Monogram Page, Book of Kells. Stages 1 and 2.



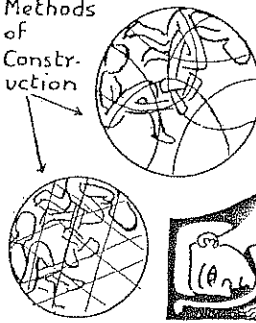
George Bain

Diameter 7/16 inch, Book of Kells



A-B 9/16 inch.

Two Methods of Construction



Book of Kells.

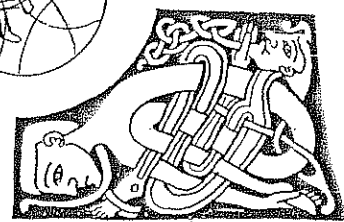


Plate 14.

ng Things of the Earth, Man, Beast, Bird and Reptile, Vegetation excluded.

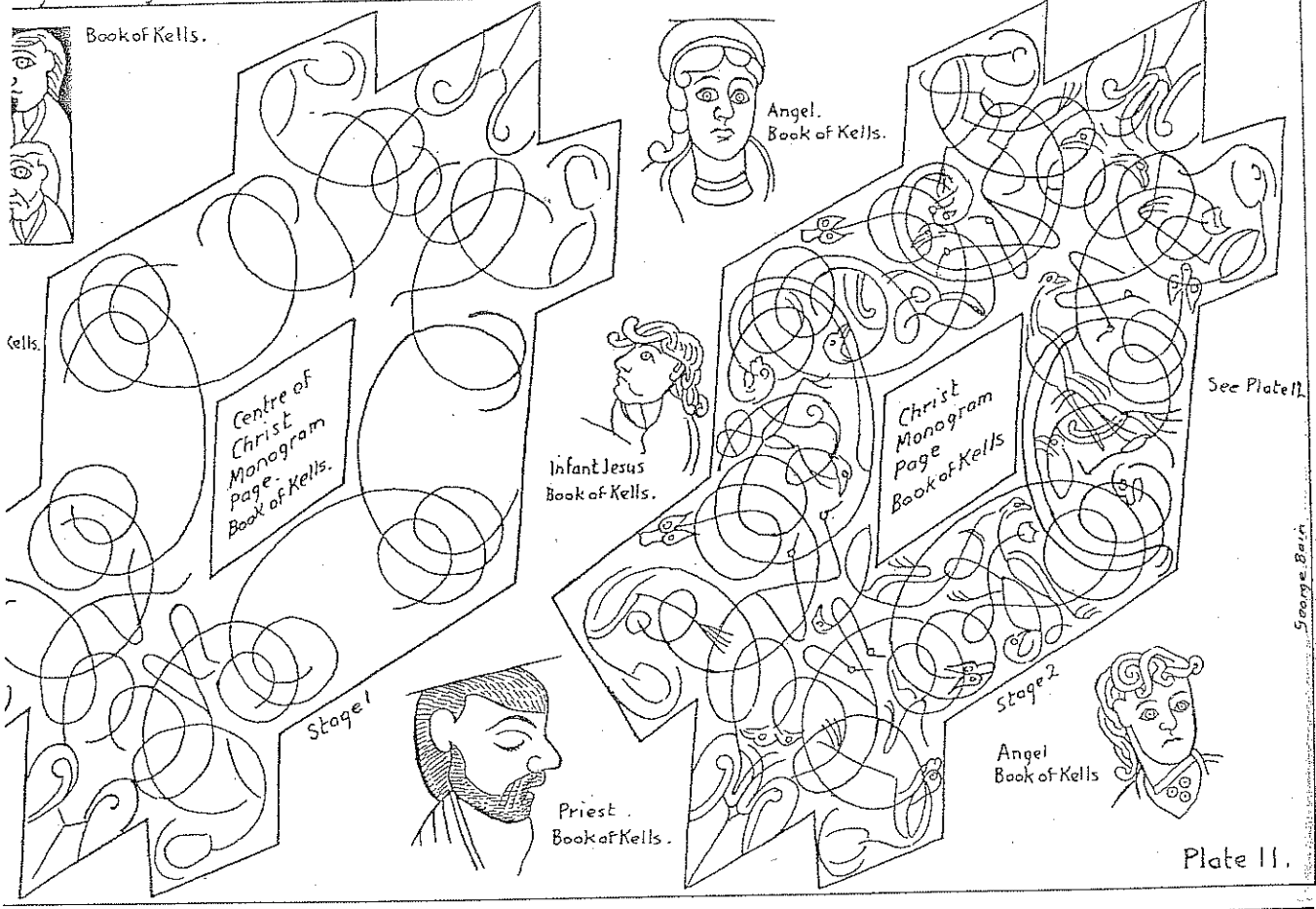


Plate 11.



acing Human Figures from the Book of Kells and the Clonmacnoise Stone.

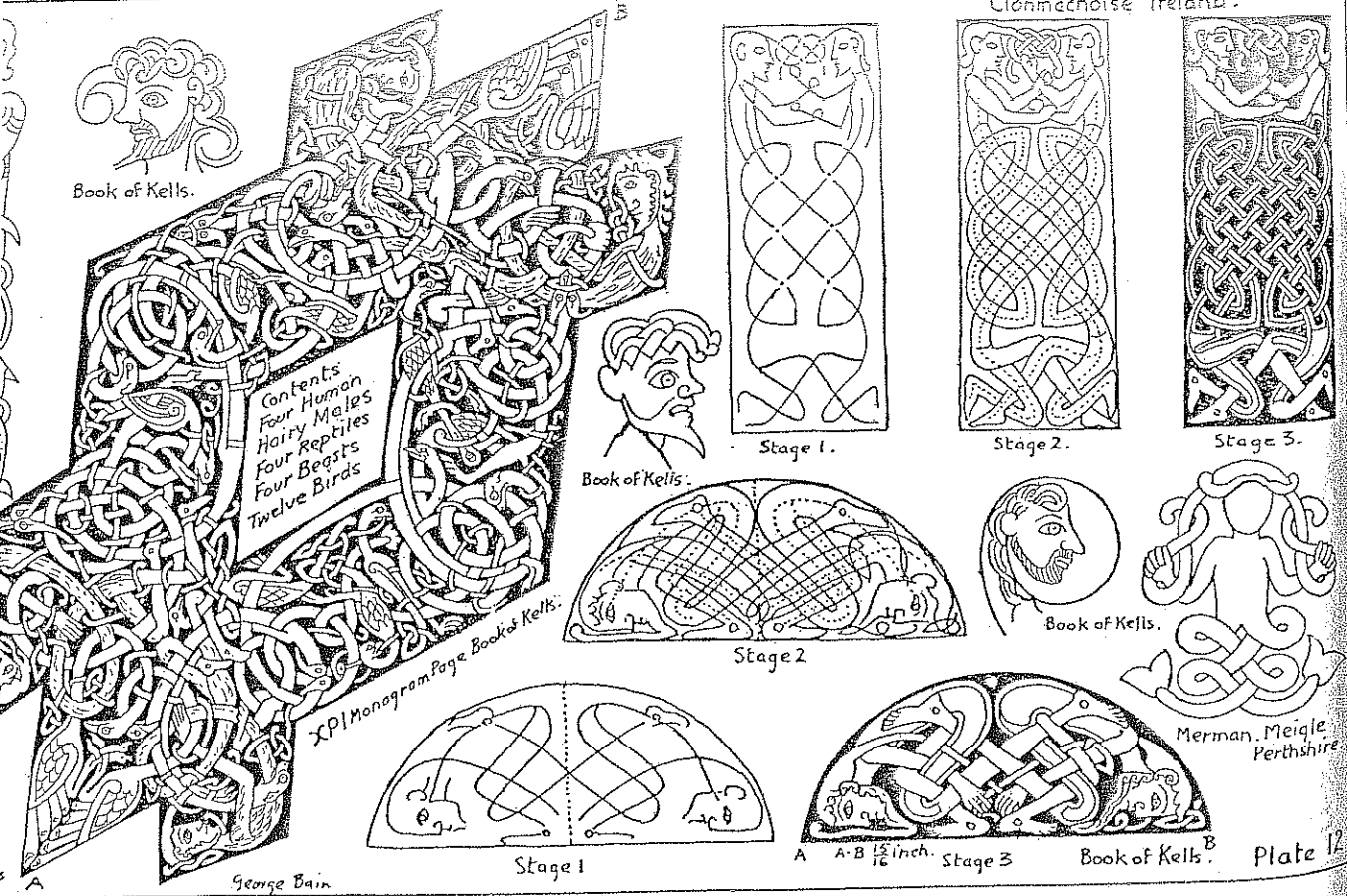


Plate 12









# For Willie Outar October 1943.

Twenty year beddit, and nou  
the mort-claith.  
This suld gar ilk ane grue,  
sic a daith.....

Was his life warth livan? Ay,  
siccar it was.  
He was eident, he was blye  
in Scotland's cause.....

Liggan quate, his hairns were thrang  
for Libertie,  
his pen wove thegither sang  
and musardrie. ....

In the time of tyrants he  
testified truth,  
and sae our yirth bydes aye free,  
saut wi fresh youth. ....

Sic smeddum, kindliness, and wit,  
hope and faith,  
nou that his corp is by wi it,  
outlive daith.

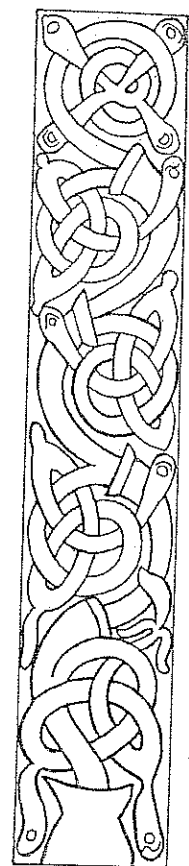
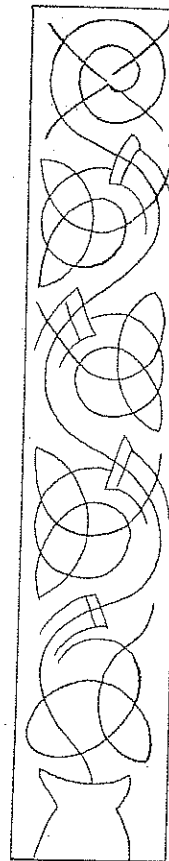
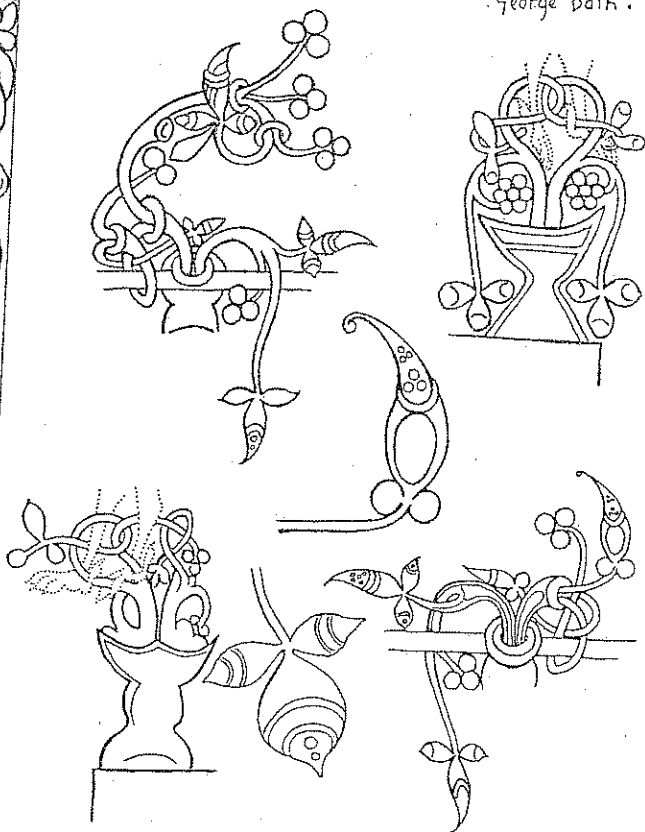
George Bain

Designed by the Author. Poem by Douglas Young



Celtic Art. On Pictish Stones and in the Book of Kells the "Tree of Life" emerges from a Pot.

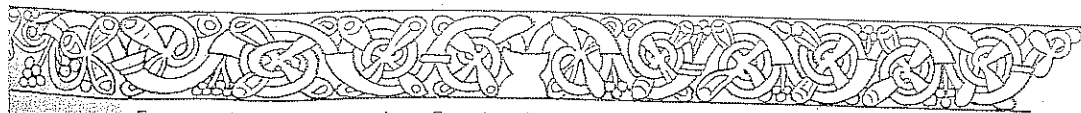
George Bain.



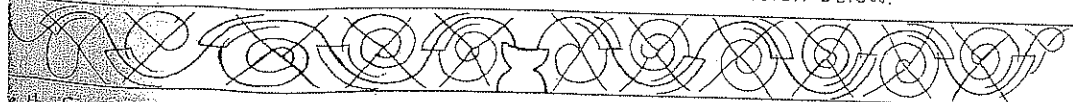
These examples are from the Book of Kells.

Plate, A.1.

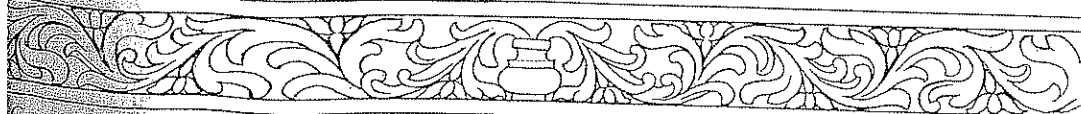
Celtic Art. The "Tree of Life" Symbol, from the Book of Kells, Pictish Stones and Asiatic Sources.



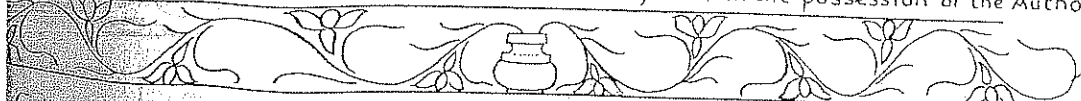
Example from the Book of Kells. Construction below.



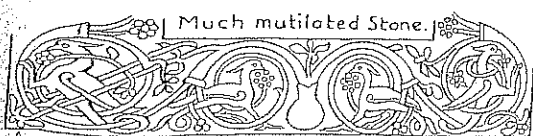
The Similarity of the carving on this Buddhist Vessel of Ivory (elephant tusk). Diameter 4 1/2."



Construction of Buddhist "Tree of Life" on Ivory Tusk in the possession of the Author.



Cadboll Stone.

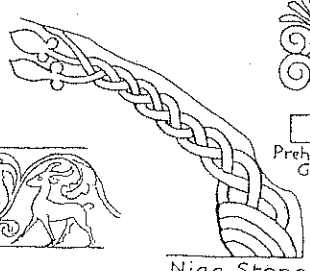


Reconstruction of Fragment from Tarbet.

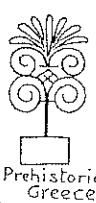
Crossus (Crete). 1700-1600 B.C.



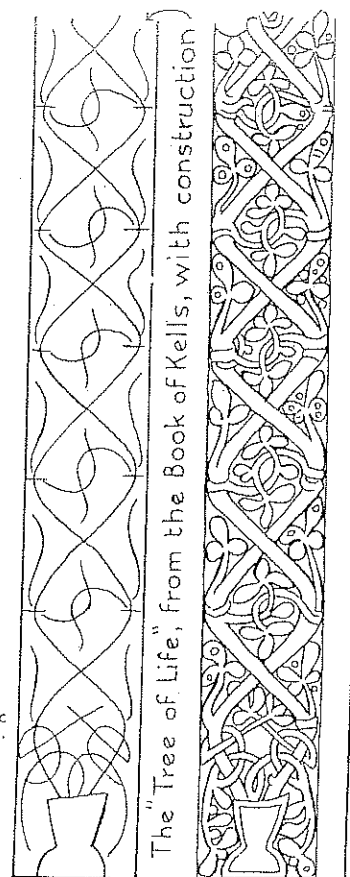
There are a few examples in Persian Art.



George Bain.



Prehistoric Greece.



The "Tree of Life," from the Book of Kells, with construction

Plate, A.2.



Art. Examples of the "Potted Tree of Life," from the Book of Kells and elsewhere.

Book of Kells. Size in Studio Publication 1 inch

MAYA ART. From the Borgion Codex. Two Priests hold the Pots over a man on platform.

Farnell Stone (Garden of Eden)

Book of Kells. In hand of Angel. Virgin and Child page.

Bennie Stone Angus. Romilly Allen makes it a charabrim.

Letter O, Cottonian M.S. Late 7th or early 8th Cent., Cottonian M.S.

Book of Kells. The Letters (Z)ACHA(R)IAE. Size in Studio Publication 3 1/2 inches

Book of Kells. Size in Studio publication 1 inch

Foliage is not used in Books of Durrow, St Chad and Lindisfarne. The examples shown are almost the total to be found in the Book of Kells.

Plate, A.3.

Celtic Art. The "Tree of Life," from the Book of Kells and North England.

Book of Kells.

Book of Kells.

Book of Kells.

Book of Kells.

Stone Fragment, Hexham, Northumberland. 700-800 A.D.

Stone Fragment, Spital, Hexham, Northumberland.

Vegetation From Pots?

Stone Fragment, Bewcastle, Cumberland. 700 AD.

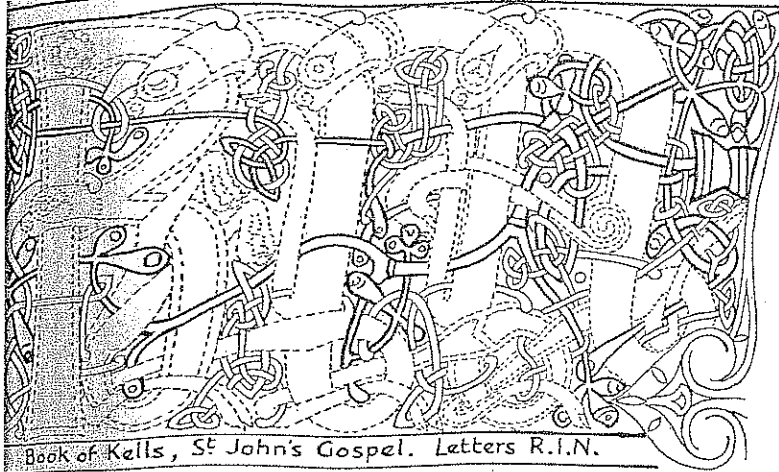
Stone Fragment, Norham, Durham.

Stone Fragment, Jarrow, Durham 700-800 A.D.

Stone Fragment, Rothbury, Northumberland. Vegetation and Beasts from a Pot?

Plate, A.3.

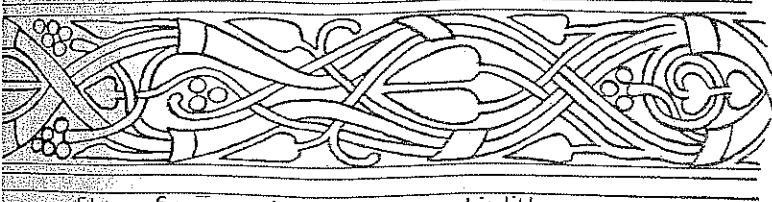
Celtic Art. Examples of the Celtic "Tree of Life" (with and without Pot) Book of Kells and South Scotland.



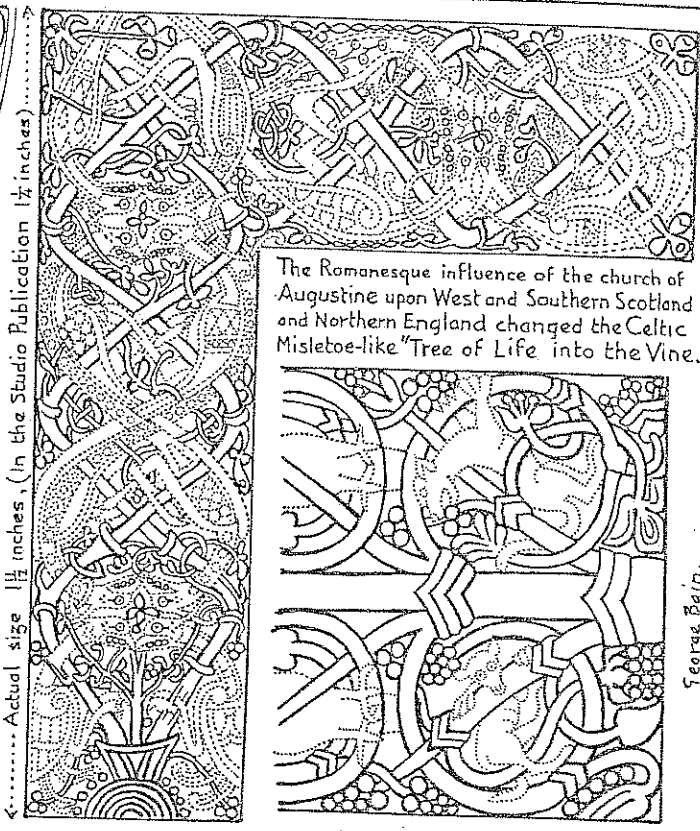
Book of Kells, St John's Gospel. Letters R.I.N.



Edge of St Vigean's Stone.



Stone fragment, Abercorn, Linlithgow.



The Romanesque influence of the church of Augustine upon West and Southern Scotland and Northern England changed the Celtic Mistletoe-like "Tree of Life" into the Vine.

Book of Kells. XPI page.

Stone Fragment, Jedburgh, Roxburghshire.

George Bain.

Plate, A.5.

# Celtic Art. Semi-Realistic Human Portraits from the Book of Kells.

The Virgin. Eyes, grey.



Angel. Hair, Red-Gold. Eyes, Grey-Blue.



Angel. Hair, Yellow-Gold. Eyes, Grey-Blue.

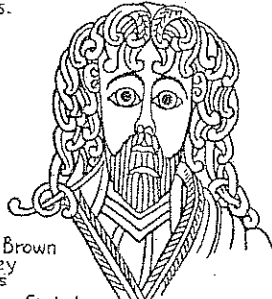


Angel, Hair, Yellow. Red outline. Eyes, Blue-Grey.

St. Matthew. Hair, Light Brown. Beard, Darker Brown. Eyes, Red-Brown.



The infant Christ, Hair, Red-Gold, Red outlines. Eyes, Grey-Blue.



St. Luke or St. Mark. Hair, Golden Brown. Beard, Dark Red-Brown. Eyes, Brown, Black centres.



Hair Yellow, Red lines. Eyes, Grey.



Hair Yellow. Red outlines. Eyes Grey.



Angel. Hair, Yellow. Eyes, Dark Brown.



Angel. Hair Yellow-Grey, with Red outlines. Eyes Grey.



Angel. Hair Light Brown and Yellow-Grey with Red outlines. Eyes Dark Brown.



Hair, Old Ivory. Beard, Black. Eyes yellow Grey.



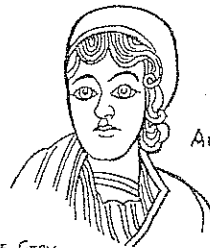
Hair, Light Brown. Beard, Dark Brown.



Angel. Hair Yellow. Red outlines. Eyes Grey.



Angel. Hair yellow-Gold, Red lines. Eyes, Grey.



Angel. Hair, Yellow-Gold. Red outlines. Eyes Grey-Blue

George Bain

Plate, B, 1.

# Celtic Art. Semi-Realistic Human Portraits, Books of Kells, Lindisfarne and MacDurnan.

Types of Celtic People of Britain and Ireland.

From the Book of Kells.

St. John. Hair, yellow-Grey. Beard, Golden Brown. Eyes, Violet-Brown.



Hair, Red-Gold. Eyes, Grey.



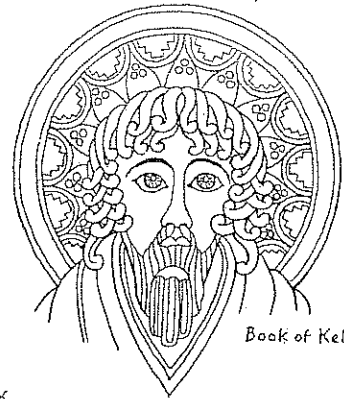
Hair, Red-Gold. Eyes, Yellow-Brown.



Hair, Yellow. Eyes, Yellow-Grey.



Hair, Yellow. Eyes, yellow-Grey.



Book of Kells.



St. John, Book of Lindisfarne. Influenced by Romanesque of Augustine.



Head as Finial. Hair, Yellow. Eyes, Grey. Book of Kells.



Finial of Letter Q. Hair, Yellow-Gold. Beard, light Brown. Eye Grey.



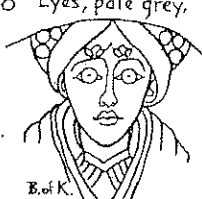
Finial Letter h. Hair, Red-Gold, Red lines. Beard, Blue-Grey, Black lines. Eye, Blue-Grey.



Gospels of MacDurnan.



Headgear, Ochre. Eyes, pale grey.



B. of K.

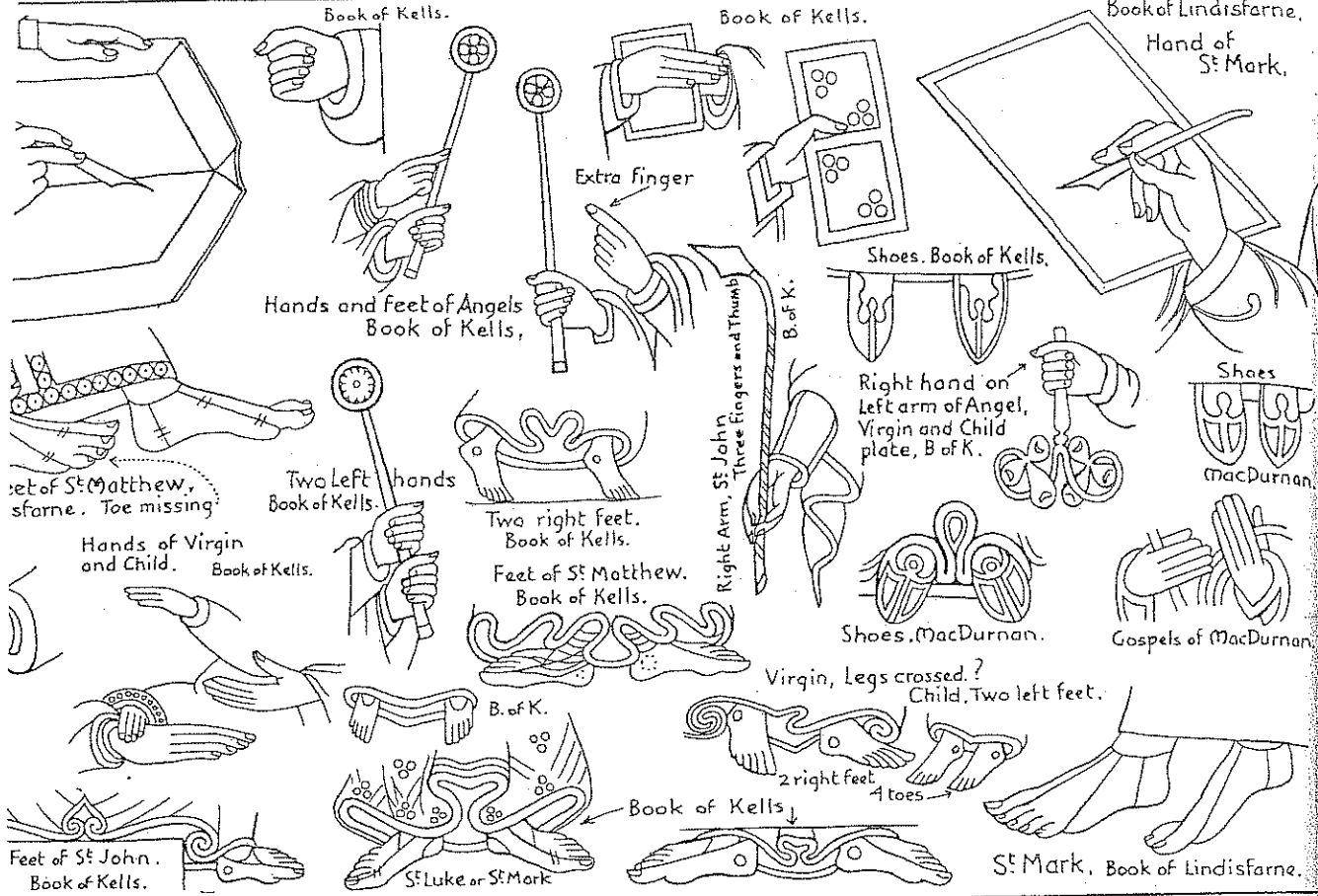


St. Matthew's servant. Book of Lindisfarne.

George Bain

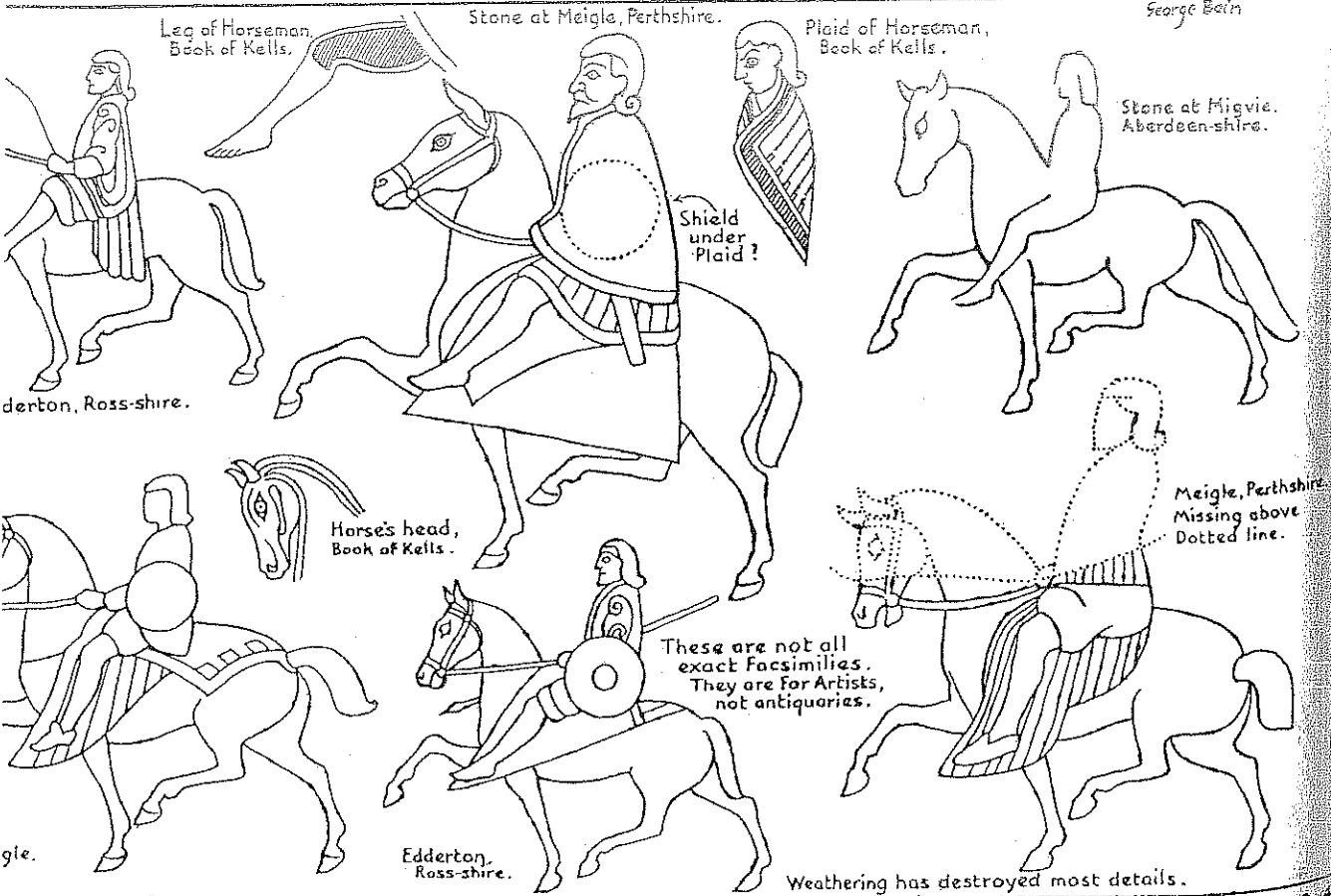
Plate, B, 2.

t. Hands and Feet from the Books of Kells, Lindisfarne and MacDurnan.

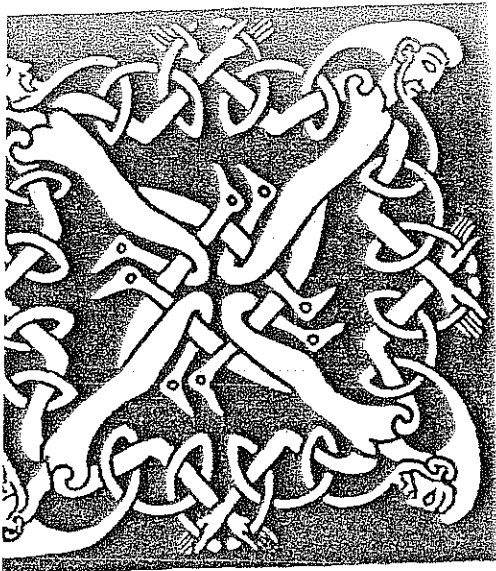


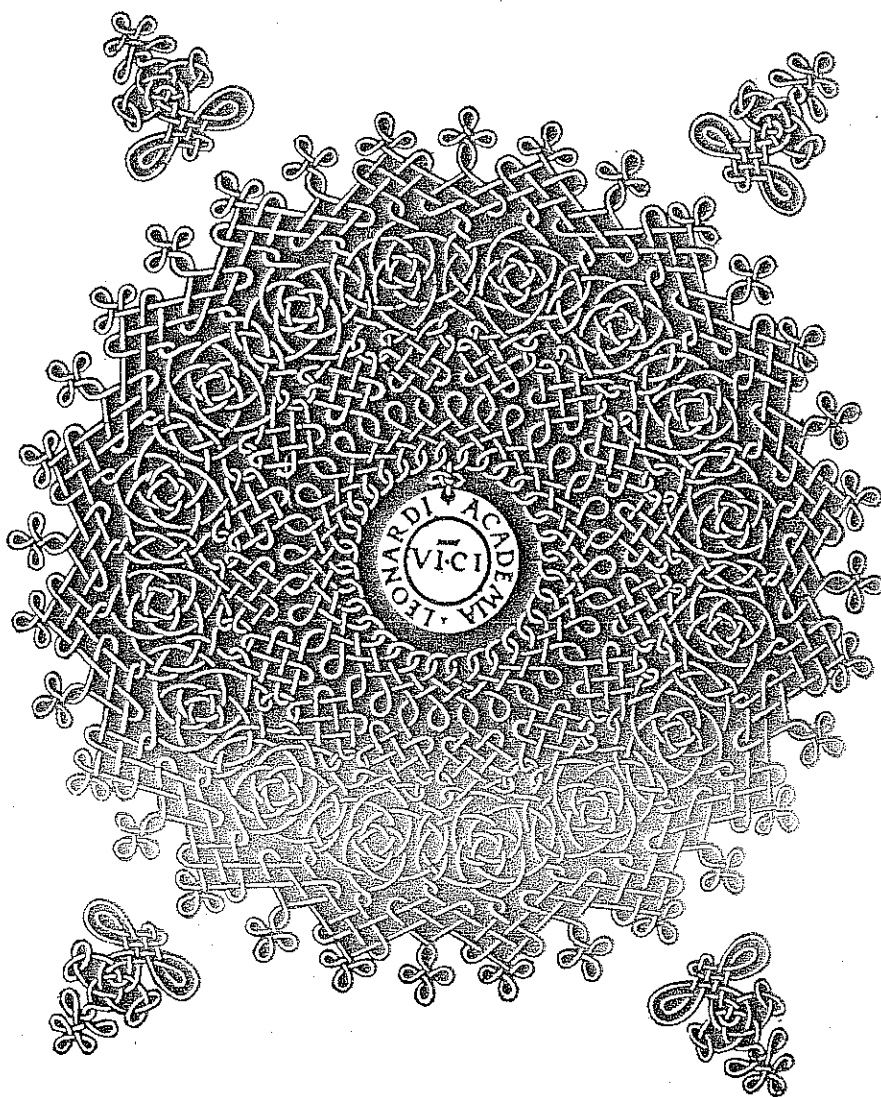
Plate, B, 3

Attitudes of Horses in Celtic Art. From the Pictish Stones of East Scotland, and the Book of Kells.



Plate, B, 4

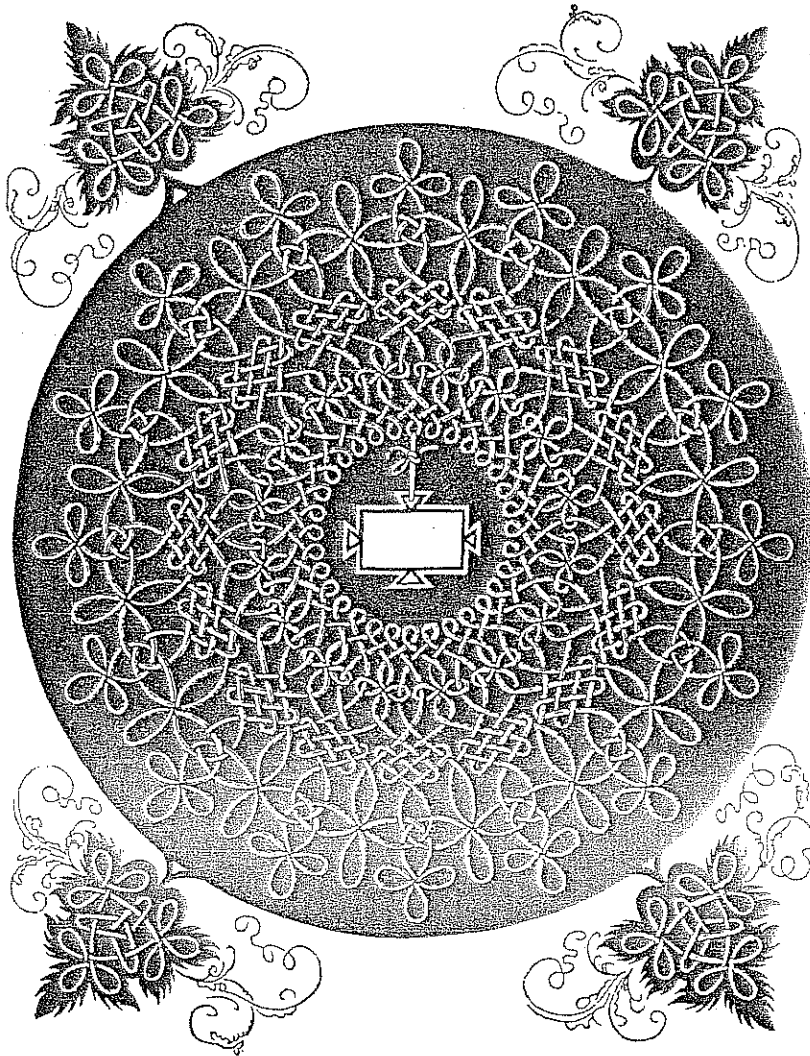




Leonardo's "Concatenation."

Plate 1

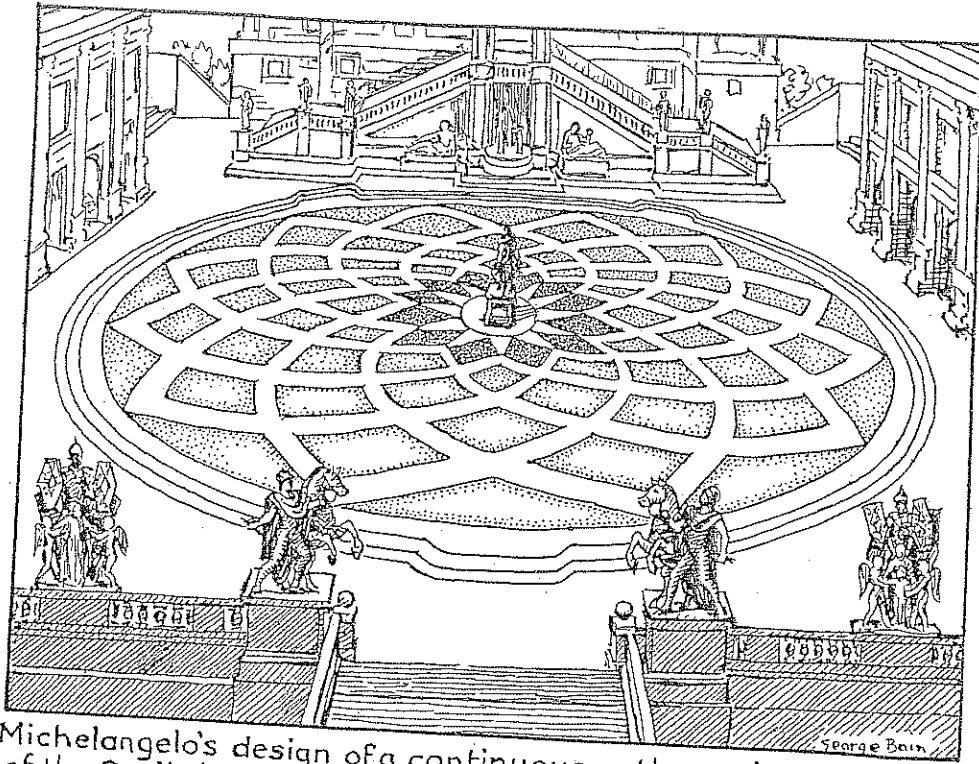
One of Leonardo da Vinci's designs for the  
use of craftworker.



**Albrecht Dürer's "Sechs Knoten."**

*Plate 2*

*A design by Albrecht Dürer for the use of  
craftworkers.*



Michelangelo's design of a continuous pathway in quadrangle of the Capitol, Rome, from an engraving by Du Pérac in 1569.

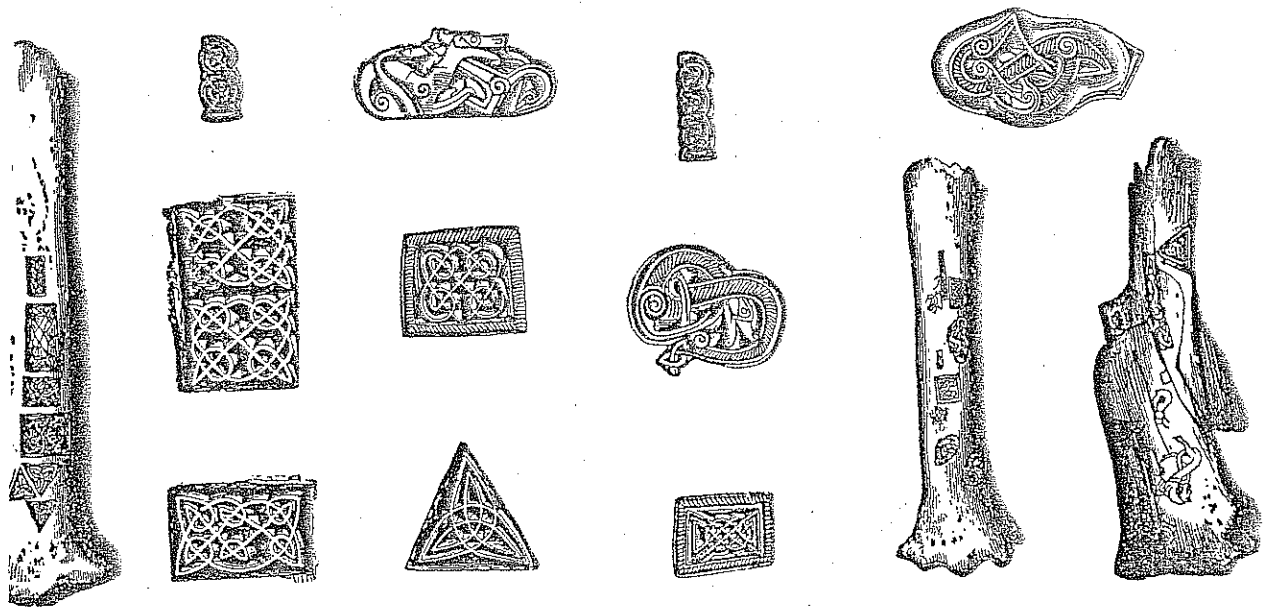
Plate 3



Plate 4

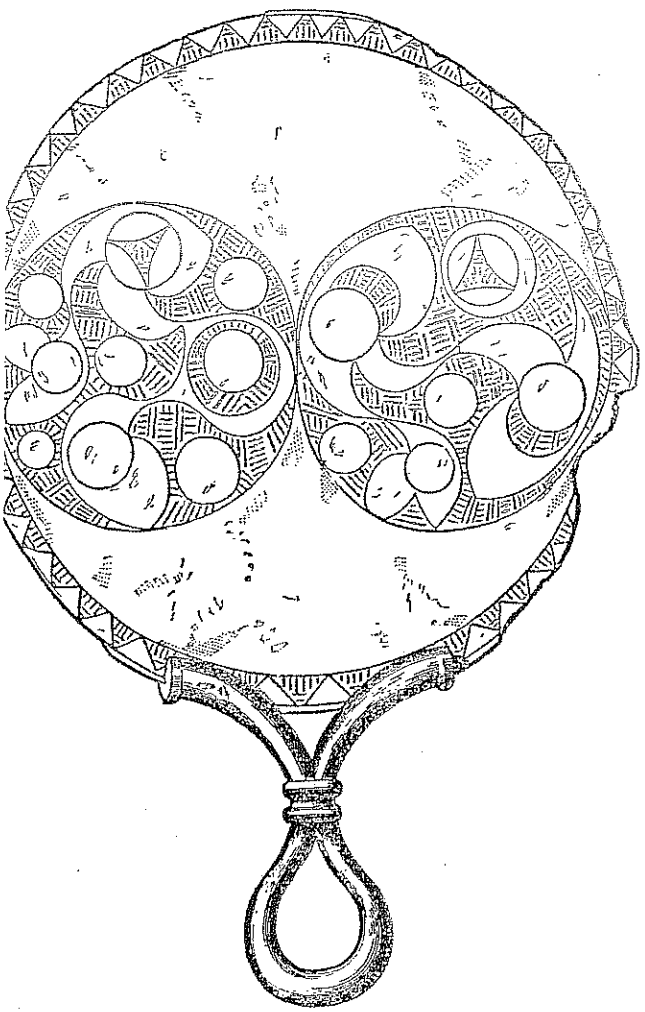
Bronze champfrein from Torrs, Kirkcudbrightshire a beautiful example showing the great skill of the pre Roman Celtic craftsmen of Britain.





carvings, probable models for moulds for castings. (Irish crannogs, Stokestown and Lagore.)

Plate 5



V.—THE TRELAN BAHOW MIRROR.

Plate 6



DOORWAY OF FLAA CHURCH, HALLINGDAL

Plate 7

Celtic Art. Wire-Work from "Tara" Brooch, "Ardagh" Chalice and Buckle, "Sutton Hoo" hoard.

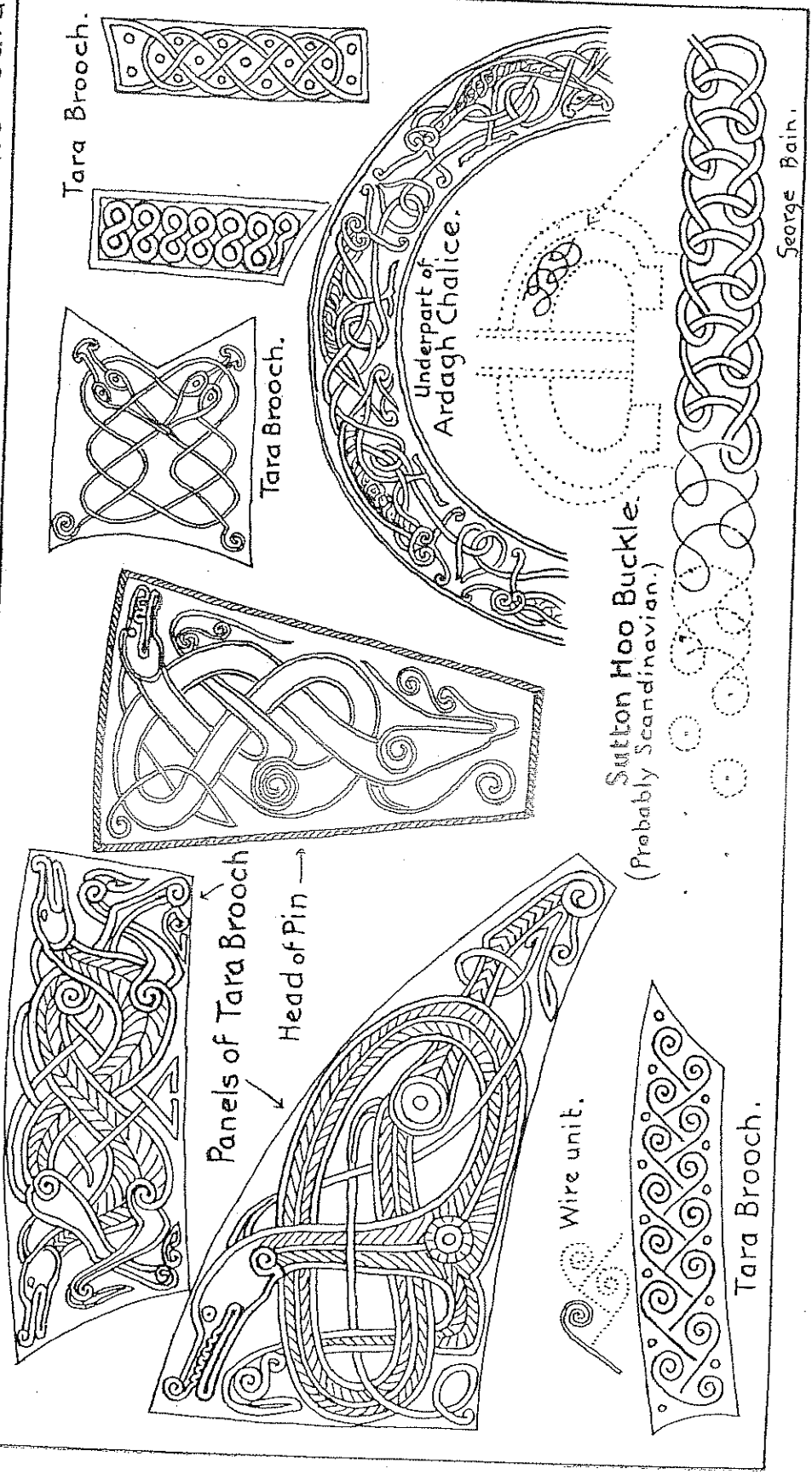
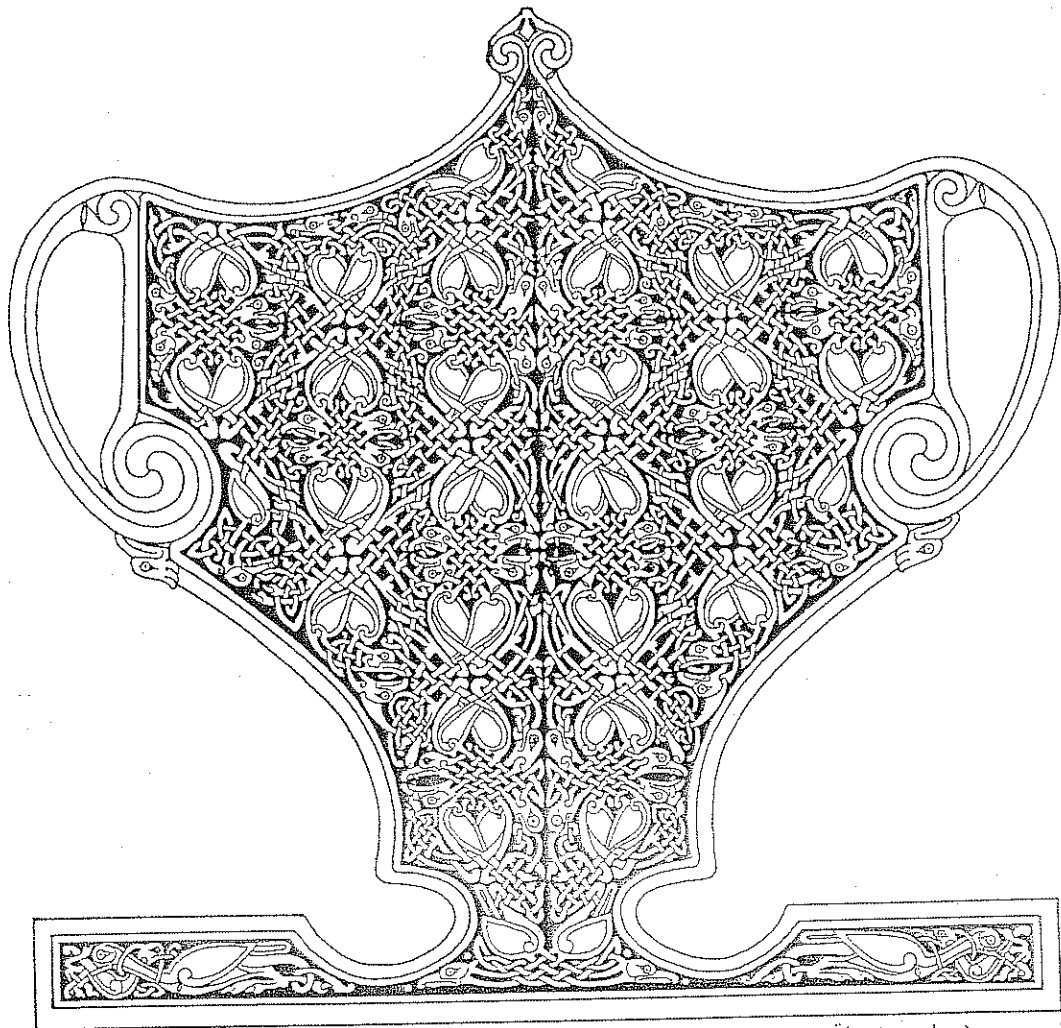


Plate 8



Designed by George Bain, with acknowledgements to an unknown artist of the "Book of Lindisfarne"

Tum biodh Eòin Ìraìdh nan Ìaidheal  
 Fìllte ri dealbh do bheatha.

MAY THE "BIRDS OF FRIENDSHIP" OF THE GAEL BE EVER WOVEN INTO THE WEB OF YOUR LIFE.

Plate II

Design for Greeting Card.



Zun cuireadh do  
Chupa thairis le  
Slàinte agus sonas.

May your cup  
overflow with health  
and happiness.

George Bain

Plate 12  
Design for Greeting Card.



Beannachadh  
A Good New Year. UR.

Initial B from Book of Kells. Adapted by George Bain.

Plate 13  
Design for New Year Greeting Card.

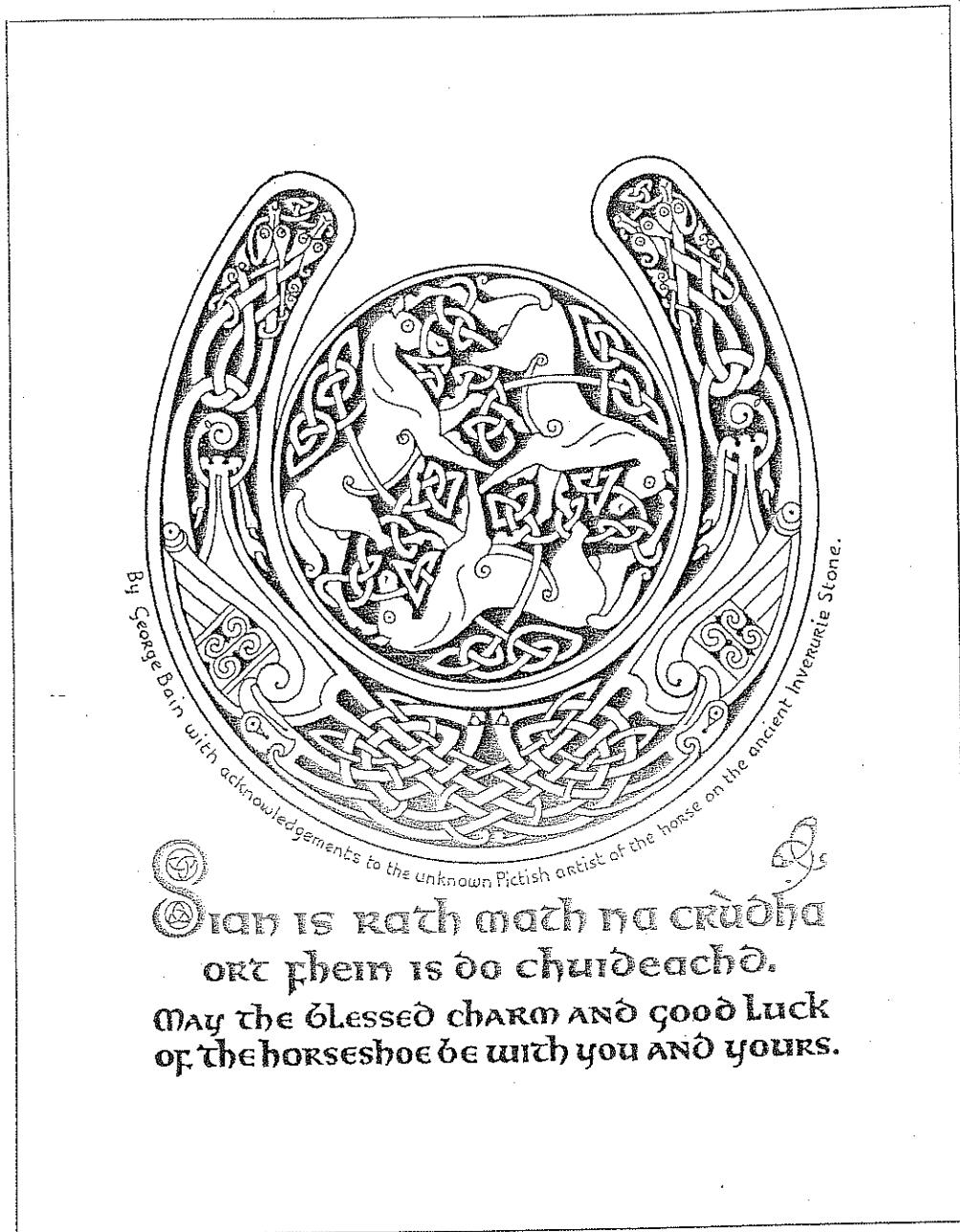


Plate 14

Design for Greeting Card.

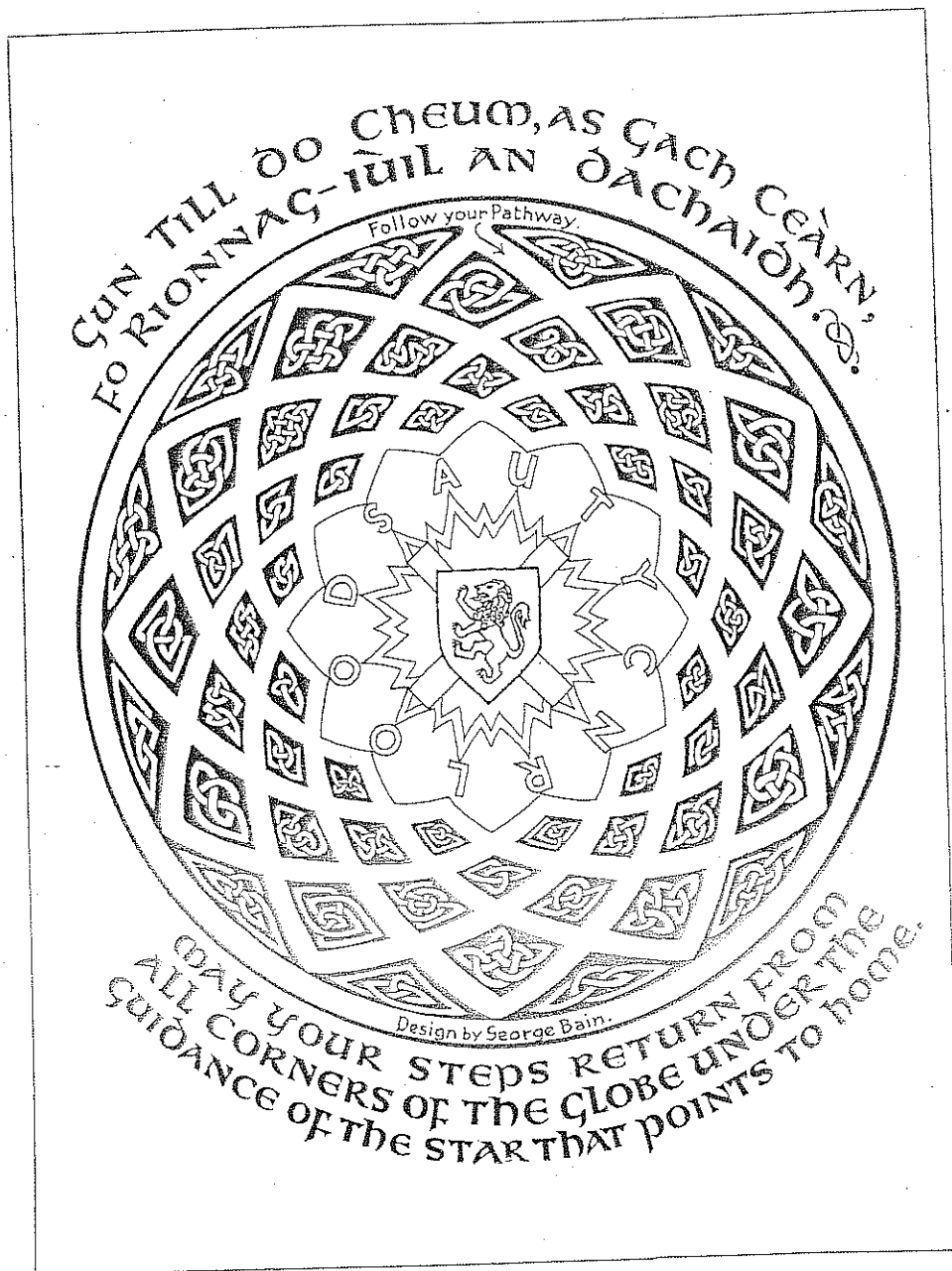


Plate 19

Design for Greeting Card.

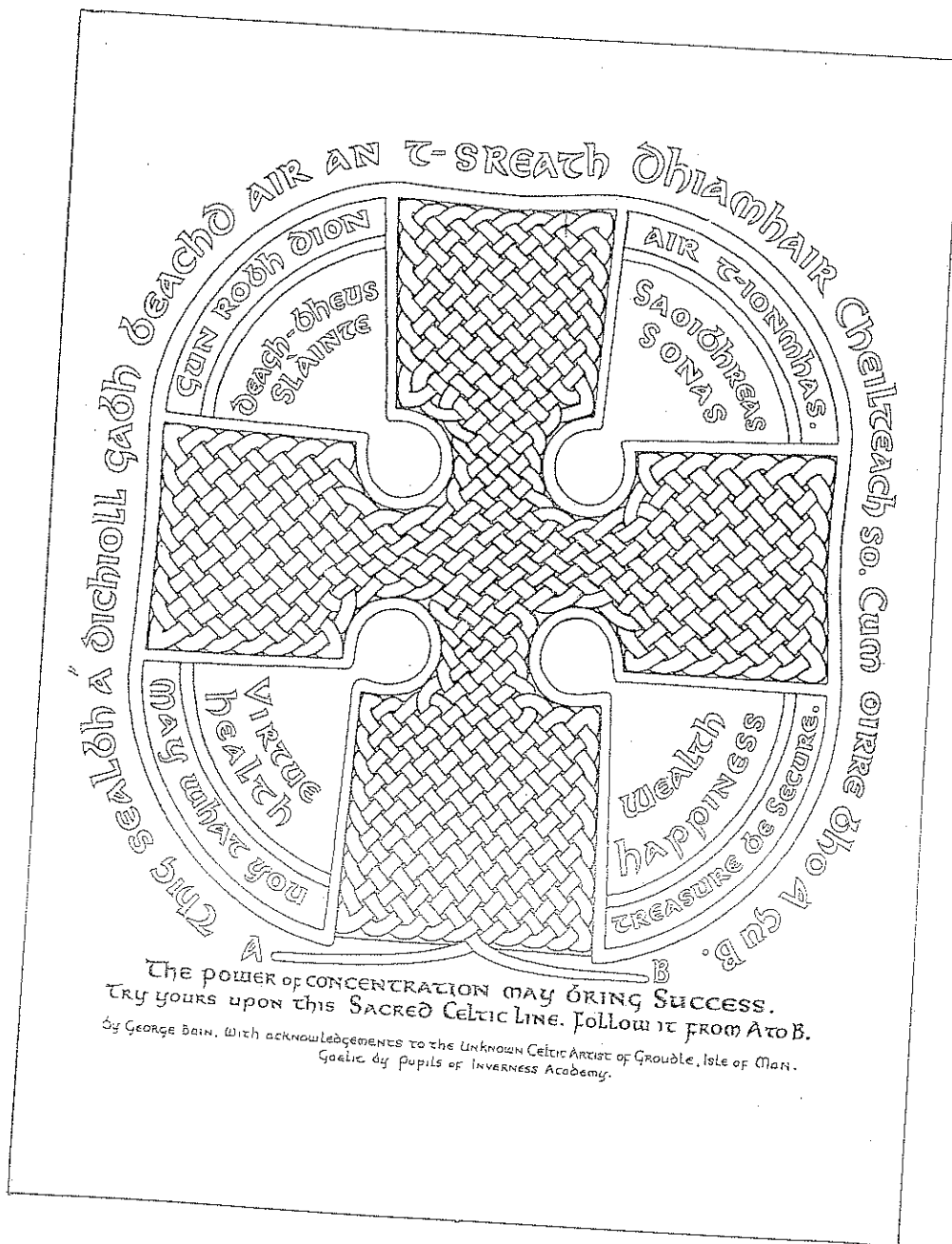


Plate 20  
Greeting Card adapted from Groudle Stone  
Isle of Man.

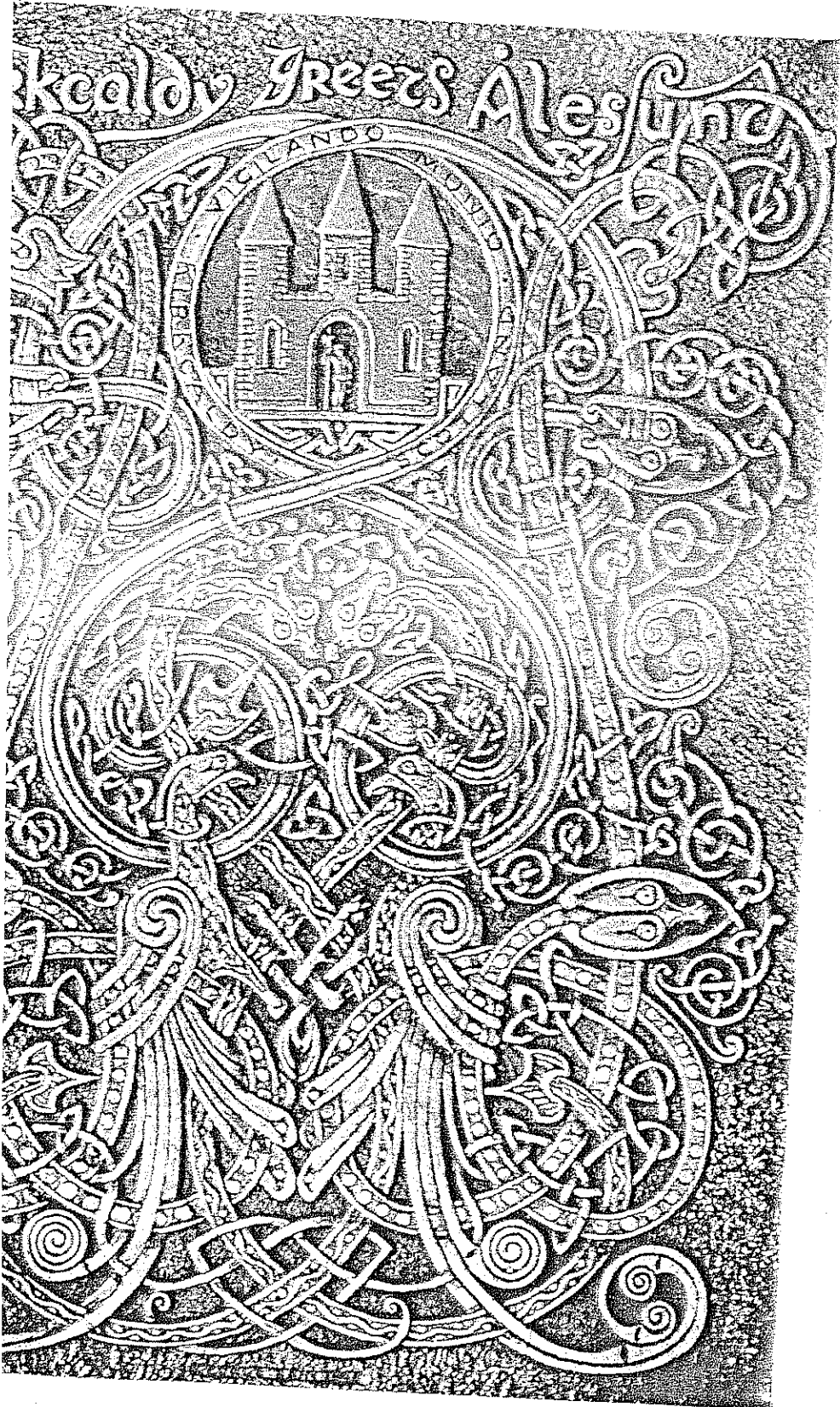


Plate 40