

AN ROINN OIDEACHAIS

(Department of Education).

BRAINNSE AN MHEAN-OIDEACHAIS

(Secondary Education Branch).

INTERMEDIATE CERTIFICATE EXAMINATION, 1934.

MECHANICAL DRAWING AND DESIGN.

TUESDAY, 19th JUNE.—AFTERNOON, 4 TO 6 P.M.

NOTE.—The use of mathematical instruments, protractors, scales, T- and set-squares, and drawing-boards is allowed.

All construction lines must be clearly shown.

The number of the question must be distinctly marked by the side of each answer; both sides of the paper may be used.

Questions marked (*) have accompanying diagrams.

The number of marks assigned to each question is stated in brackets after the question.

Q. 1. Draw with pencil, pen or brush, in Gaelic letters, $\frac{3}{4}$ inch high, the word **móin**

Or,

In Roman letters $\frac{3}{4}$ inch high, the word **TURF**. [8]

*Q. 2. Copy the given pattern to the dimension shown. [10]

*Q. 3. Draw, to a scale of 1 inch to 1 foot, the diagram of an iron gate to the dimensions indicated.

An ordinary divided rule may be used as a Scale. [11]

*Q. 4. Draw the given diagram of a lantern using the figured dimensions. [10]

*Q. 5. The diagram shows in perspective two bricks each $9'' \times 4\frac{1}{2}'' \times 3''$ Draw a plan and elevation of the bricks. Scale $\frac{1}{6}$. [14]

Q. 6. Draw a design for a repeating border 2 inches wide. Complete one repeat and show the main lines of adjacent repeats. You may select any style of ornament, and finish the design in black and white or two colours,

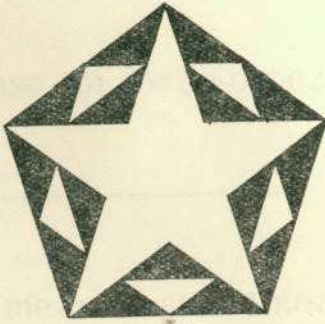
Or,

Draw a design to occupy a quadrant (quarter circle) of $3\frac{1}{2}$ inches radius, standing on its angular point. The design must be Celtic or floral in treatment.

Two tones of one colour may be used, or the design may be finished in black and white.

[22]

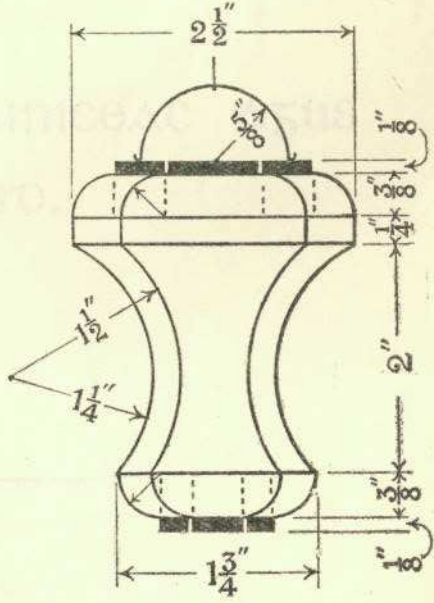
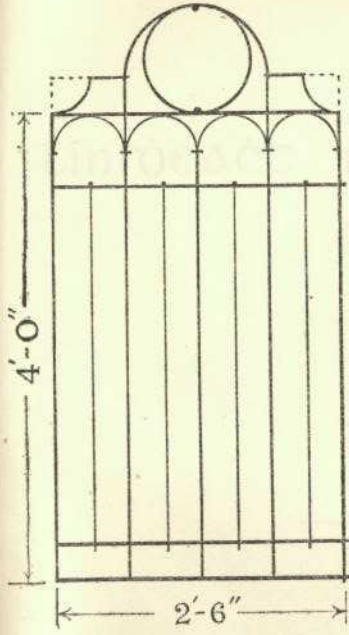
Q 2.



$1\frac{3}{4}$ "

Q 4.

Q 3.



Q 5.

