AN ROINN OIDEACHAIS
(Department of Education).

BRAINNSE AN MHEADHON-OIDEACHAIS
(Secondary Education Branch).

INTERMEDIATE CERTIFICATE EXAMINATION, 1936.

MECHANICAL DRAWING
AND DESIGN.

TUESDAY, 23rd 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 **LAOC**.

Or,

In Roman letters, \( \frac{3}{4} \) inch high, the word **HERO**. [8]

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

*Q. 3. Draw the given diagram of a flour-dredger using the figured dimensions. [10]

*Q. 4. Draw, to a scale of 1\( \frac{1}{2} \) inches to 1 foot, the given elevation of a Gramophone Cabinet according to the dimensions indicated.

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

*Q. 5. A perspective drawing is given of a fruit-box. Draw full size to the dimensions shown a plan and elevation. [14]

Q. 6. Draw a design to occupy a rectangle \( 4\frac{1}{2} \) inches by \( 2\frac{1}{2} \) inches. You may select any style of ornament and finish the design in black and white or in two colours.

Or,

Draw a design for a repeating circular border \( 1\frac{1}{2} \) inches wide, the radius of the outer circle to be \( 2\frac{1}{2} \) inches. The design must be Celtic or Floral in treatment. Complete one repeat in black and white or colour and show the main lines of adjacent repeats. [22]