No. 84.]

For Classes D and E, and for Junior C.S.

NEW ZEALAND.—EDUCATION DEPARTMENT.

CERTIFICATE AND CIVIL SERVICE EXAMINATIONS.
1904.

GEOMETRICAL DRAWING.

Time allowed: One hour and a half.

Not more than 5 questions are to be attempted, one of which must be question 6 or question 7.
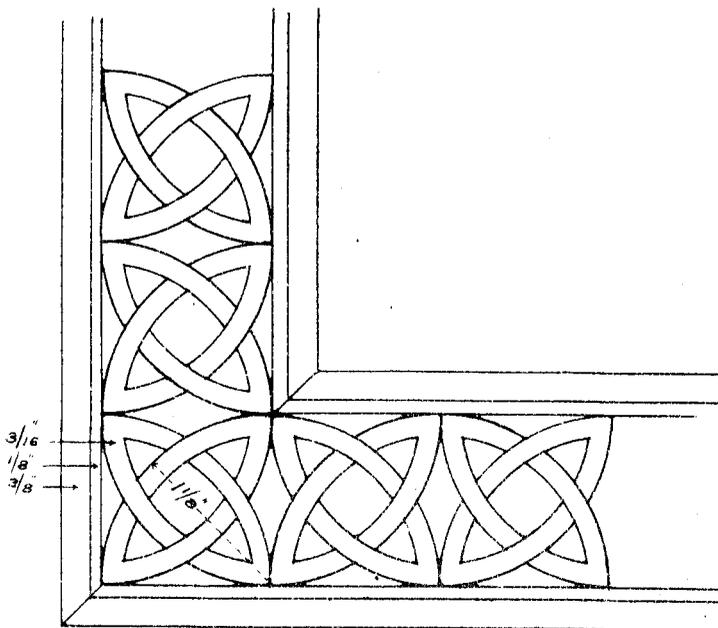
CAUTION.—No credit whatever will be given for solutions which appear to be the result of experiment—*i.e.*, those in which the lines used to obtain the required result are not clearly shown.

The diagram referring to question 7 is to be accurately transferred to the drawing paper. It may be pricked through.

1. A line 1⅛ inches long in a certain drawing represents 1 furlong 2 chains. Draw the scale to which the drawing was made. Show by small marks on the scale the points you would take in order to take off a distance of 3 furlongs 8½ chains. What is the representative fraction of the scale?
N.B.—The scale must be properly finished and figured.

2. Draw the given border, using the figured dimensions.