result in a more lasting impression in the mind of the student; and there seems more than a probability that the application of mathematical terms to a surface that has not been constructed to suit the requirements of the analysis will serve to fix the general theories and their wide application securely in the learner's mind.

For my first model, Ben Cruachan was selected, because of the richness of feature it presents; for the other model, which was left in a state to show the method of construction, Glencoe was selected, because of its steepness, the deep indentations in its hills, and its general interest.

The scale of Ben Cruachan is three inches to the mile horizontal, and four vertical. That of Glencoe is $2\frac{1}{2}$ inches to the mile in both directions.

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On Ridge Lines and Lines connected with them.*

By J. M'Cowan, D.Sc.