

Nov. 1, 1883.]

BUILDING MATERIALS AT RECENT CORK EXHIBITION.

THE JURORS' AWARDS.

MEDALS—The Ferrumite Manufacturing Company, Cork, ferrumite as a building material, and especially in slabs for flooring. Benduff and Froe Slate Company, Rosscarbery, Connty Cork. Victoria Slate Company, Dublin and Carrick-on-Suir, strength, grain, texture, and colour. Healy Brothers, Tralee, large limestone (tomb) monument; for excellence of workmanship and sound material in cut and moulded limestone. James Fitzgerald, Cloyne, County Cork, for general collection. Burns and Hutton, Belvelly Brickworks, Queenstown, for bricks and tiles. E. O'Shea, Callan, Kilkenny, Celtic cross, after the design of the ancient Irish cross, Kilkisgreen, County Kilkenny, for excellence in workmanship.

HONORABLE MENTION—William Beecher, D.L., freestone from Cape Clear, as building stone. C. P. Coote, D.L., limestone, suitable for engineering works. R. Colles, specimens of Irish marbles. Cooper and Co., Drinagh, Wexford, for slow-setting cement, ground extremely fine, giving considerable strength under tension and in concrete slab provided by the company, the manufacture of which is excellent. Thompson Brothers, Cork, Vectis Portland cement for quick-setting, cement finely ground. William Carroll, Cork, for limestone for building purposes, and for lime. Francis Ritchie and Sons, Belfast, for stone suitable for building purposes. Rev. Canon Brosnan, P.P., V.G., Cahirciveen, County Kerry, Castleisland marble and red limestone. Fleming and Co., Tourig Pottery, Youghal, bricks and tiles.

Collection of raw materials, Committee of Exhibition. Duplicate of building stones of Ireland (146 specimens) collected for the Museum of Irish Industry in 1845-46 by the Royal Engineers, contributed by the Royal College of Science, Dublin (Science and Art Department, South Kensington).

JURORS' OBSERVATIONS—We beg to thank Messrs. Lambkin Brothers for their kindness in placing one of their powerful hydraulic presses at our disposal for conducting tests. We have had much pleasure in observing the general excellence of the majority of the exhibits. The building stones indicate that there is a considerable variety throughout Ireland suitable for all classes of work in architecture and engineering, for ornamental and plain work, in small dimensions or in large blocks. The colour of the limestone throughout the country varies from dark grey to bright light grey. Both kinds are often of crystalline texture, even grain, with two or three "freeways," and capable of being worked to the slenderest proportions in mouldings, tracery, or enrichments; while other specimens of both light and dark colour show a considerable amount of lamination, and can only be laid on their quarry bed without risk. Messrs. Healy Brothers' monument and Mr. O'Shea's Celtic cross are excellently tooled. Mr. Fitzgerald's collection is very good, the beautiful colour of the southern limestone is seen to advantage in his Celtic cross. The sandstones are especially worthy of comment, and need only to be introduced into the market to insure their being used in building operations. The marbles throughout the country are abundant, and of endless variety, in colour; Galway and Cork are very fruitful in marbles. The red limestone of Cork is well represented. The specimens of lime are good, but all are not well burned. Care in this respect is necessary to insure the best results in mortar. We are pleased to see an Irish manufacturer taking a good position by the side of a well-established house in cement,

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an article of varied utility and large consumption. The Drinagh cement, judged as a slowsetting cement, bore the tests with excellent results, and there is no reason why it should not ultimately rank in the market with the best brands of this kind of cement. The testing of the bricks showed very good results, especially in Belvelly and Youghal.

The jurors were Messrs. Robert Walker, C.E.; Alexander Jack, C.E.; and Philip Barry, C.E.

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