

sively written, splendidly illustrated, and substantially bound in a linen surfaced pressed board cover.

Besides containing the information outlined above, it is replete with hints and examples on centering, water-proofing and other points of interest.

INTERIOR FURNISHINGS.

SPECIALLY designed furniture in specially planned buildings is not an uncommon thing to-day. In fact, "Made-to-Order" furniture is essentially a part of any interior where refined taste is manifest. No matter how elaborate in detail are the walls, ceilings and floors, without furniture that will harmonize with the general scheme, the effect is lacking.

An excellent example of the rich tone which the right kind of furniture gives to an interior, is seen in the Royal Bank, Toronto, which was illustrated in the last number of CONSTRUCTION. All the furniture in the building is of special design, and, with the exception of the chairs in the Board Room, was made by the Canadian Office and School Furniture Company, of Preston, Ont. The counter desk and movable furniture in the banking office, as well as the desk, cabinets, tables, etc., throughout, are made of selected mahogany; and the workmanship and finish has been executed in the most creditable and satisfactory manner.

The panelling in the Board Room is another well-executed piece of work, which was done by this company. These panels are of East India Mahogany, and in size are approximately 9 ft. wide and 13 ft. high, each. The company employes a competent staff, who are prepared to carry out architect's specifications in regard to specially designed furniture. They specialize in bank, office, hotel, drug and jewelry store and courthouse fittings.

MODEL SAND LIME BRICK PLANT.

THE following is an extract from a letter written by Dr. Ernest Horstmann, a well known authority on sand-lime brick, relative to the importance of adopting the proper process in the manufacture of products of this kind.

Among the sand-lime brick plants of the entire west coast, that of the Monterey Brick and Stone Company, at Seaside, near Monterey, Cal., takes a special place: not by the exceptional greatness of its output, which is merely 18,000 brick daily, and is, therefore, a proportionately small one, but by the steady demand occasioned owing to the superior quality of its product.

This fact serves to be all the more pronounced, as no matter how favorably sand-lime brick plants are installed, manufacturers, in their endeavor to place first-class products on the market, have suffered from detriments, due less to unscrupulous outside influences than to products of a low standard of other sand-lime plants working in the same districts.

At the present time indications point to a prosperous turn and a rapid development of the sand-lime brick industry, that is, providing the products come up to modern standards of sand-lime brick technique, and thus conform to the requirements of the builders.

This, and not more or less, is to be expected of a first-class sand-lime brick, if they are to compare favorably and compete successfully with first-class bricks of other materials.

The fact that a good sand-lime brick in every particular can successfully hold its own with the first-class brick of other varieties is just as well established as the fact that an inferior brick of other varieties is not better than an inferior sand-lime brick.

The reason that the product of the Monterey Brick

and Stone Company is recognized as being first-class, is based alone on the absolute fulfilment of all conditions to be taken into account in the manufacture of a good product. These are: Good raw materials and best character of machinery.

The manufacture of the sand-lime brick is carried on by means of the Schwarz System, which achieved in Germany a very high position on account of its merits and economy. The three conditions to be fulfilled in the manufacture of a first-class product, besides the matter of good raw materials, are unquestionably fulfilled in Monterey, being: Uniformity in the absolute perfection of slaking the calcined lime into hydrated lime, uniformity as to the moisture of the prepared sand-lime mixture to be pressed, uniformity in the percentage of sand and lime.

Of the qualities of the brick produced by the Monterey plant, merely one may be mentioned, aside from the durability, uniformity, sharp edges and corners, namely: the high crushing strength, which is on the average of 3,000 pounds per square inch.

Besides face and common brick of the natural color the Monterey plant produces colored bricks of most beautiful tints, also moulded bricks and blocks of all designs, by the use of special hand presses.

Any information desired on sand-lime brick will be freely given by The Scientific System Brick Company, 79 Adelaide street east, Toronto.



RECREATION ROOM, ELK'S CLUB, TORONTO—DECORATED BY DECKER AND CARLYLE—CHAS. P. BAND, ARCHITECT.

AWARDED TWO CONTRACTS.

TWO GOOD-SIZED contracts for cement have recently been awarded by the Department of Railways and Canals to the Wm. G. Hartranft Cement Company, Limited, Montreal. One calls for 10,000 barrels and the other for double that number, making 30,000 barrels in all. This cement, which is known as the Vulcan Brand, is to be used by the Government in carrying out construction work on the Lachine Canal. It is made from the best of raw materials, and is especially adapted to meet the most exacting requirement in Government, municipal, railroad and private work.

Vulcan cement is the product of a splendidly equipped plant, operated by an experienced staff of engineers, and the company is adequately prepared to execute orders for their product promptly and satisfactorily.

For samples, prices, etc., apply, either in person or by letter, to Wm. Hartranft Cement Company, Bank of Ottawa Building, Montreal.