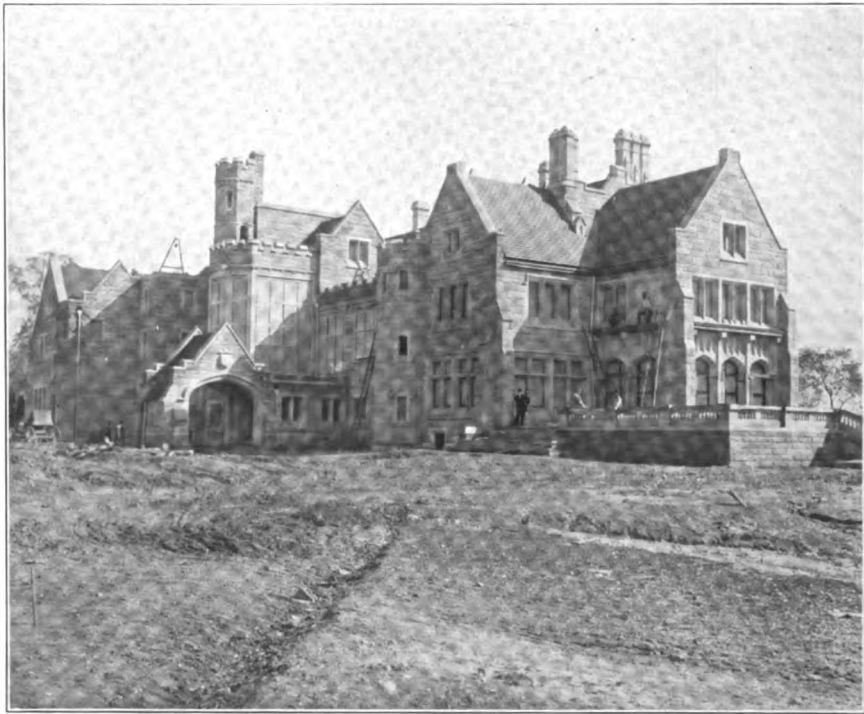




Residence of Mr. H. K. Wick, Youngstown, O.
Abram Garfield, Architect.
The Reaugh Construction Co., Builders.



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FIREPROOFING A MODERN HOME

THE WICK RESIDENCE AT YOUNGSTOWN AN EXAMPLE FOR ALL HOME-BUILDERS TO FOLLOW FOR SAFETY

The residence for Mr. H. K. Wick of Youngstown, O., shown in this issue of THE OHIO ARCHITECT, ENGINEER AND BUILDER which was designed by Mr. Abram Garfield of this city and constructed on purely fireproof lines by The Reaugh Construction Company, affords a high example of the fireproof dwelling as could well be demanded.

Erected on a site overlooking extensive golf links with handsome terrace approaches, the house practically approaches a country house effect and the attainment of high class fireproof construction is all the more notable.

Elsewhere some details of this construction are noted but the main point is the manifestation of the desire for fireproofing among the intelligent owner, architect and builder of this community.

A writer in *Architecture and Building* so forcibly discusses this subject that we cannot but commend it to all prospective home builders.

"Once the site, general plan and style and design for a country home being approximately determined," says the writer, "the first thought in an owner's mind should be: How thoroughly fire resistive can I make my house? This query may be answered in many ways if the owner should make it his business to enquire into all the modern systems of fireproofing; but for the dwelling house, where the loads on walls

and floors are ordinarily light, a simple and not excessively expensive construction is possible in several ways.

"Walls may be built of stone, brick, concrete blocks, solid concrete, or ferro-concrete. There are some excellent patented systems in which light metal is combined with concrete most advantageously. Then, too, we have the hollow tile wall, which may be exposed in the finish, or stuccoed, or brick jacketed. In making a selection, some good material is usually obtainable locally, and in its use there may be economy.

"Walls that will not burn, combined with an interior structure of wood for floor beams and floors, and lath and plaster partitions, are poor economy. The floor systems should be as equally fire resistive as the walls. Again, there is a wide choice in materials. Light steel beams and cinder concrete arches, combinations of terra-cotta tile and reinforced concrete, and several systems, patented and unpatented, offer an owner a sufficient choice. The interior partitions should also be fire resistive; and tile, concrete and plaster blocks are all available, the latter offering a very light construction for non-bearing partitions and one that can be altered at any time at small expense.

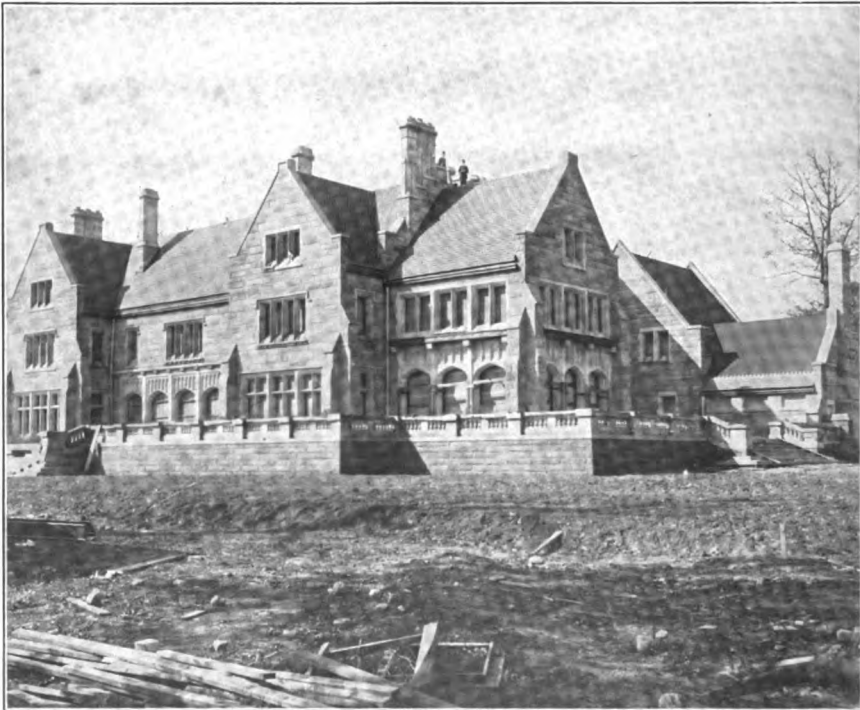
"In a large country dwelling, which the owner expects to decorate and furnish expensively, and in which he may

place many objects of value, there are further considerations in protecting it against destruction by fire. The fireproof shell may represent only from 20 to 30 per cent of the cost of the house. Beautiful interior woodwork, in the shape of paneling, fine wood floorings and carved staircases, represents a much larger proportionate cost and is highly inflammable. Yet we cannot omit the woodwork from a fine dwelling, as there is no satisfactory substitute.

"There are safeguards, however, which may be provided in planning and in construction, which will prevent a fire from completely burning out the interior of the fireproof shell. Hollow metal doors, which may be skilfully fin-

ished to match any adjoining woodwork, may shut off the kitchen wing from the rest of the house. Again, if well considered in the plan, the main hallway can still be featured in the house and yet be so placed and shut off in the upper floors that it will not form a chimney to create a draught and fan a little fire into a great blaze. Such consideration in the plan come within the duties of the architect, and in building an expensive house the small additional cost is well repaid by the added safety and in the reduction of insurance premiums."

Just how all this has been accomplished in the Wick residence we hope to show when the residence has been finally completed.



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Abram Garfield, Architect.