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In the Markus church, in Stuttgart, the nave is also built up of reinforced concrete arch girders. It is 80 feet long, 50



feet broad and 45 feet high. Attached to it are two side naves 9 feet broad and 15 feet high. The arch over the main nave consists of the said arch girders, spaced 16 feet centre to centre (Fig. 5) connected by a 4-inch-thick concrete slab. As the architect only permitted 6 inches of the girders to be visible under the slab the rest of the thickness was was placed over the slab. Downward, the arch girders go over into the columns, in which the beams and columns for the side



naves are also fixed, so that the frame for the three naves forms a monolithic, connected whole, of great strength and stiffness.

An interesting feature in this church is that the 190-foothigh tower is built up in reinforced concrete. After careful examination and deliberation the leading consultants for this church building decided upon the use of this material, apart from any question of economy, being of the opinion that its employment minimized the possibility of cracks arising from