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# AROHITEOTURE AS A SOIENCE.* <br> (With <br> cial relation to Construction, Engineering and Modern Requirements.) <br> BY A. T. TAYLOR, M.R.I.B.A. 

 (Continued from page 67.)The late Mr. Street has well said, "The best thing Architecture is always that which combines the most tion and use of the materials, the soundest construcmente, with most convenient adaptation to the requirproportion in thoroughly good artistic character and some evid in the masses and in all the details, and $W_{\theta}$ evidence of imagination in the design."
hemisphe日re, therefore, that Architecture spans two on the has two exp hand, and the fine arts on the other. She mor of thepressions-prose and poetry. It is the forAs building we shall chiefly consider to-night.
the usefulding was the forerunner of architecture, so It is an must ever bake precedence of the ornamental. Which is axiom, which may appear self-evident, but perfectly suited forgotten, that a building should be bearatiful, is archit its purpose. No building, however It is, thereforchitecturally perfect which ignores this. exact copies of Pagan temples, or Moring to set down Medixpal castles ogan temples, or Moorish mosques, or ed for their castles, all of which were doubtless well suitentirely altered and for their purpose, but with our
This, how circumstances, are now quite unsuitable. Yearea, however, is what was done not so very many tide $_{\theta}$. Tomples and we have yet pitiable examples of the pracbie $_{\text {ie }}$ promples of rectangular shape, with studied invariaTindows (such and balanced parts which required no from the (such light as they needed being received $f^{\text {for modern che }}$ murd no chimneys, were made to do duty ${ }^{d}$ evices wern charches and dwellings, and all sorts of chimneeys, and other necesseary adjuncts to modern

[^0]houses. The medixval castle, with its machidolated battlements intended to protect defenders and present embrasures from which cannons could be fired or missles discharged, the overhanging spaces, down which molten lead could be poured on the besiegers below, and. other features very necessary and desirable for the times in which they were built, are surely hardly suitable in our peaceful times, when the only projectiles flung from the housetops are frozen snow and ice, and the only warders "tuning their footsteps to a march" behind the battlements, are sundry predatory or amatory members of the feline tribe.

We have also in England and Scotland many examples of buildings sacrificed to a mania for external uniformity, regardless of convenience within, and I have often seencases in which it has been necessary to enlarge the house by adding on a wing at one side, a screen wall, corresponding with this wing being placed on the other side for the sake of uniformity. The door and portico were fixed in the middle, and windows were ranged in solemn array on each side, no matter whether they were wanted or not, of exactly the same size and height. If there was a plain surface of wall, the most original idea which could occur to the builder was to put in a blank window, and paint on the cement the window frames, the glass, and even window blinds and red tassels, all so like life as to be very deceptive-a long way off.
From an utterly false idea of art everything had to be balanced by perfect similarity, somewhat after the manner of the old Scotch gardener who had a summer house at each end of a long walk in the garden, and having caught his mastor's son pulling apples had shut him up in one of the houses, where his father discovered him. On his going to the other house at the other end of the walk he found his other son in durance vile also, and asking if he also had been pulling the apples, the old gardener said "No; but he had put him in there for the sake of symmetry!"

It is true there must be a balance of parts in all good compositions, but this by no means needs to be by exact similarity. The old buildere of our English, and especially of continental cathedrals and churches understood this, and if you will carefully examine them you will find that where, for example, there are two towers or spires at the one end, they are generally not only of


[^0]:    $0_{\text {ni iversity. }}$ leoture delivered before the Faculty of Applied Science, MoGill

