

fine calculations on a portion of a building, or on the dimensions of a log or stick of timber, or how much easier it will be for an architect to reduce the plan of an elaborate building to paper, so that the operatives can understand every detail in following its lines. To the mechanical engineer or pattern-maker, the proposed changes herein given will be as the dawn of a new creation, and no longer will portions of engines fail to fulfil the mission for which the designer intended them. A uniformity in the subdivision of the circle will be the key to straighten out all former miscalculations, and to give perfection where formerly imperfection was most likely to result. And even if a stubborn world forever refuses to adopt the octave decimal system herein given, it can at least adopt an octave uniformity in tables of measurement to the old system of decimals that will be a great stride in the way of improvement on the old usages.

