

not only simplicity in its favor, but that its adaptability to every department of life where calculations of any kind are required, surpasses that of any other system that has yet been used among men. Many of our present most difficult measurements, as well as the calculations in Horology, Astronomy and Navigation, etc., which are now possible only to advanced scholars will be found to appear as self-evident facts, without the aid of any process of calculation.

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## The System Applied.

The extent of our present treatise will not allow us to enter into the details of the practical application of the system to all departments of Mathematics. We shall, however, indicate such features of its applicability as will assure our readers, that in this respect the system is in no way deficient and perhaps in so doing we may suggest the methods to be pursued in cases of application not here specified. We shall briefly outline the method by which the system may be applied to Weights, Measures, Horology, Astronomy and Navigation, since these subjects are of greatest practical importance, and of most interest to the general public. We believe we can show clearly that the Octimal System besides having advantages in theoretical calculation, also surpasses all other systems in its harmony with the laws and principles of nature, as well as with the various operations of the human mind. To pursue the investigation of such harmony would be a most delightful task, but the limits of our space forbids.

I. The system as applied to Weights and Measures.

(a) Weights—We do not find it necessary to pro-