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Unit Systems and Dimensions

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UNIT SYSTEMS AND DIMENSIONS.

T. PROCTOR HALL.

(*Abstract.*)

[Published in full in *Electrical World* February 7, 1896.]

The three fundamental units of the C. G. S. system are reduced to two when the unit of mass is defined as the quantity of matter which, by its gravitational force, produces at unit distance unit acceleration; and these two to one when the unit of time is defined as the time taken by an ether wave one centimeter long to advance one centimeter. A table is given showing the dimensions of units in each of these three systems, and the advantages of the latter are pointed out.

A MAD STONE.

BY T. PROCTOR HALL AND ERNEST E. FRISK.

Here and there is found a man possessing a pebble for which he claims the remarkable power of preventing hydrophobia when applied to the wound made by a mad dog. We have been unable to find any record of a scientific examination of a mad stone or a scientific test of its properties. This may be partly accounted for by the rarity of the stone, and the high esteem in which they are held by their owners. A popular idea is that they are formed by accretion in a deer's stomach.

Last summer while visiting the Mammoth Chimney mine, eighteen miles south of Gunnison, Col., a prospector called attention to some small pieces of light-colored rock from the mine, which adhered very strongly to the tongue. Some