

MR. V. P. HUNT,

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A monument has been erected at Budapest in memory of Semmelweis, who, in 1847, made the first suggestion in reference to antiseptic methods of surgery.

An electrical mail-box, the invention of J. W. Coe, Jr., of Chicago, sends a signal to the occupant of the building on which it is placed whenever a letter is put into the box. It can be placed in the same electric circuit with a call-bell.

It is said, says *Cosmos*, that women's voices do not give results in the long-distance telephone; their high notes, excellent in short lines, as all city telephone subscribers know, are an obstacle to clear transmission in lines of considerable length.

A society has been recently established at Chicago entitled "Association of Practical Electricians." The object of this organization, of which Mr. Geo. E. Sanford is president, is the education and advancement of men engaged in electrical work.

An inclosed park of about 100,000 acres is proposed by certain English naturalists and sportsmen for the preservation of South African mammals, such as the giraffe, zebra, eland, gnu, koodoo and other antelopes, that are now threatened with extermination.

Herr Mascha has lately unearthed in Moravia a number of skeletons of mammoths associated with those of human beings. A remarkable feature of one find was that of what appeared to be a whole family of human beings of gigantic size co-existent with the mammoth.

A solder for use with aluminum and aluminum alloys has recently been patented in England. The metals used in it are in the following percentages: Silver, 2; nickel, 5; aluminum, 9; tin, 34; and zinc, 50. No flux is required, and any soldering will answer, though one of aluminum is preferred.

An artificial marble, which can be applied to walls and furniture while in a soft or plastic condition, has been brought out. The "marble" is delicately veined, like the natural varieties, while being hard and durable. The fact that it can be applied like stucco permits of its fitting easily to its place and being as easily repaired when broken.

It has been known that in many early-blooming trees the stamens can be excited to growth by a much lower temperature than will excite the pistil. A few warm winter days will so often advance the stamens in plum flowers that the pollen disappears before the pistil is receptive. Plum crops often partially fail for lack of the necessary fertilization. Practical men have long since discovered that a south aspect is not as good for fruit trees as any of the others, without knowing the real reason.

A rule for finding the horse-power of a pulley is to multiply the circumference of the pulley in feet by the revolutions per minute, and the product thus obtained by the width of the belt in inches, and divide the result by 600. The quotient will be the horse-power which the pulley is capable of transmitting. This rule is founded on the fact that good, ordinary, single-leather belting, with a tension of 55 lbs. per inch wide, will require 50 square feet of belt service passing over the pulley per minute for one horse-power. Fifty square feet per minute are equal to a belt 1 inch wide running 600 feet per minute.

During the morning hours, when the eye is least sensitive to radiation of low frequency, the minimum temperature of visibility of a solid is about 470° C.; at night-time this temperature is reduced to 410° C.; and after resting the eye for some time in complete darkness the temperature may be still further reduced to 370°. Different people's eyes differ in their luminous perceptive powers, but seemingly to no great extent. The losing color, or color of last appearance, however, seems to be variously interpreted, to some appearing red or wittish, and to other lilac and yellow.—*New Science Review*.

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