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tained by development with sesqui-carbonate of ammonium and carbonate of soda.

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The Preservation of Sikworm Eggs...

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The Marbia Sepedon. I figure. The first specimen of the deadly Maja of Bouth Africa ever brought to Europe.

VI. MEDICINE, HYGIE E, ETC.—Hart Clot in Phenmonia, and Hypochondriasis. Clinical lecture by Prof. ALFRED L. LOOMIS, of the University of the City of New York.

Traumatic Insents.

versity of the City of New York.

Traumatic Insanity. Notes on paper by Dr. D. R. Brower, of West Chicago Medical Society, and discussion by members of cases of thanity following upon wounds in the head.

Elastic Adhesive Plaster. A novel and useful device.

Treatment of Cerebral Apoplexy by Injection of Ergotine.

Treatment of Distemper in Dogs.

A New and Cheap Self-Generating Disinfectant.

PROGRESS OF ELECTRIC LIGHTING.

various quarters. The Waltham Bleachery, Mass., have estimated at one cent per horse power per hour. It is stated tive of all the infectious diseases. that the quality of the light is good; no complaint is made of its flickering. Washburn & Moen, of Worcester, Mass., use part of the profession, medical literature abundantly testifies. the Brush electric light to a limited extent, lighting but a portion of one of their works. They state that they get much more light than from gas for an equal expenditure of money. No accurate experiments, however, have been made.

Brush generators. One machine has been running about two means for destroying it has been discovered, except a temmonths in a weaving room, and part of the rest of the mill | perature higher than any patient can endure. has also been lighted by electricity. These mills run night and day, and use a large number of gas burners from 10 to 12 hours per day, and therefore are peculiarly well fitted for the prophylactic, fails to justify its reputation; and the long list employment of the new light. Twenty electric lamps have taken the place of 230 five foot burners ina weaving room, the experienced practitioner can resort to with any confidence and give a better and more satisfactory light. The work requires an unusually strong illumination.

been postponed until a larger machine of the Brush pattern mentative as a prophylactic has too unstable a ground to decan be completed. In the preliminary trials it was found serve much respect. In the first place, the question of what that the light would be unpleasant to a general audience, and is the contagious principle of scarlatina has not yet got beit is therefore proposed to modify its color and brightness by | yond the domain of probabilities. We can say, with much the employment of suitable glass or porcelain shades.

seems as if this method of winding dynamo-electric maence of free competition and private enterprise." He there- once disproves." fore thinks that any comparison of the two methods of illumimisleading, for future invention can materially reduce the price of gas.

Prof. W. E. Ayrton also takes up the subject of electric lighting by incandescence, and proves that the electromotive force necessary to be maintained at the two ends of a wire of platinum, 5 centimeters in length and 1 millimeter in diameter, and at the ends of a piece of carbon, 2 centimeters in length and 1 millimeter in diameter, is 0.2848 volt, or about essening the malignancy of the pest. Particularly can good one-third of a Daniell's cell in the case of the platinum, and be done by making general the knowledge already assured 0.46013 volt, or about one half that of a Daniell's cell in the for the mitigation of the disease and for preventing its discase of the carbon wire. It is, therefore, possible to produce | tribution. a light with an electromotive force less than that of a Daniell's cell, but not with a Daniell cell itself, since the internal resistance of the cell is far greater than that of the incandescent wire or rod of carbon. He was enabled to use the method that their early schooling was deficient in quantity, poor of incandescence in 1873, when the government was employ- in quality, or-if neither of these-was wasted through boying divers to recover the property sunk in the French mail ish indifference and folly. They would get on better in life steamer Nil off the coast of Japan. An ordinary carbon rod if they knew more, they are free to admit, but they do not as first scraped very thin, and then, with connecting wires affixed, it was placed in a vacuum globe; and by heating it improved, would in a few years give them a fairly good eduwith an electric current, and passing air through the globe, cation. They think themselves too old to learn, and spend it was burnt to the required degree of thinness; the current more time regretting their lack- of knowledge than would was then stopped and the air pumped out and replaced by suffice to give them the knowledge they need. It is said nitrogen. The agitation of the subject of electric illumination certainly will provoke inquiry into the subject of the neither write nor read when he came to this country, a young cost of gas, and, therefore, ought to be encouraged.

tagious disease, more or less malignant, subject to wide and rapid variations in scope and severity, yet apparently rising steadily in importance as a factor of the general death rate. Just now there is scarcely a large city in which it is not epidemic.

under practical subjection, there has very naturally arisen a social and financial condition, and the chances of his family popular feeling that medical science ought to be equal to the for the highest success in life, by an honest effort to retrieve task of discovering a means for preventing scarlet fever, at | by study the disadvantages by which early poverty or lack least as efficient as vaccination has proved in the case of of educational opportunities has surrounded him.

smallpox; and when this expectation has been unreasonably While the sensational reports in regard to electric illumi- encouraged by the confident assertions of over-sanguine pracnation have subsided, the electric light is making friends in titioners and theorists, that this, that, or the other drug may be counted on as a sure and trustworthy means for securing been using two generators of the Wallace-Farmer pattern, immunity from the scarlet fever, it is not surprising that Ten lights supply 112 four foot gas burners. The generators people are disappointed by the failure of the medical profesrequire twelve horse power apiece, and the horse power is sion to arrest the spread of the disease, now the most destruc-

That the failure has not arisen from lack of effort on the That final success is not impossible no one would have the presumption to assert, though the prospects of immediate success are far from bright. The cause of the disease is as little understood as its cure. The microscope is as helpless The Riverside Mills, of Providence, R. I., employ two as the telescope to detect the contagious principle, and no

Inoculation seems to be almost universally attended with unfavorable results. Balladonna, so long insisted on as a of anti-fermentatives and similar remedies offers nothing that in its efficacy.

"Indeed," says the editor of the Medical Record, "the logic The lighting of the Boston Music Hall by electricity has which leads to the administration of any known anti-ferpositiveness, to be sure, that it is no visible form of bacte-W. Mattieu Williams, F.R.A.S., in a recent paper gives an rium or micrococcus, and we can, perhaps, infer from analogy interesting resume of early English experiments on incan- that it is a particulate something too small to be detected by descence, particularly those by a Mr. Starr. The latter det he microscope, that it is albuminoid in composition, and vised a peculiar method of winding the conductors of a dy-multiplies at the expense of physiological processes. Whether namo-electric machine. Since the thick copper wire, usually it is living or dead, whether it is the degenerated protoplasm made useof, necessarily is wound on the armatures in a spiral, of man or the modified protoplasm of vegetable, whether it there is a certain loss of compactness and an increase in re- acts in conjunction with bacteria or feeds directly upon the sistance, which Mr. Starr proposed to obviate by using a tissues, all these questions are much beyond the pathologist core of square section, and winding around it broad ribbons as yet. But, in any case, it is very hard to see how antiof sheet copper, which were insulated by cementing on its fermentatives can reach this virus. If it is dead, we certainly surfaces a layer of silk ribbon. This ribbon is to be laid with need not give such drugs to kill it; if it is living, there is no one edge against one side of the core and carried on until the evidence or probability that the system can be so saturated angle, then it is to be turned over so that its opposite edge as to destroy such infecting protoplasm and not the living may be laid along the next side of the core, and so on. It matter of the tissues at the same time. In the blood of persons deafened with quinine or salicylic acid the bacterium chines would have certain obvious advantages. The experidisports himself with as much activity as clsewhere, and the ments of Starr, however, on lighting by incandescence did not ameeboid movement of the white blood corpuscles can still result in much success, and they were unfortunately brought be easily seen. It is a fact, to be sure, that there are drugs, to an end by the untimely death of the inventor. Prof. like quinine, which affect the size and internal movements Williams, who has devoted much attention to the manufac- of the blood globules, but we cannot infer from this that ture of gas, believes that there is a greater field for invention there are prophylactic germicides, which will not prove to be in gas manufacture than in the field of electric illumination. homicides at the same time. The idea, then, we repeat, that The by products, ammoniacal salts, liquid hydrocarbons, and anti-fermentatives will be efficacious, though not impossible, coke, are sufficient, in his opinion, to cover the whole cost is inherently improbable, while the idiosyncrasy of the scarof manufacture of gas, and leave the gas itself as a volatile let fever poison will oblige observers to collect a vast number residuum that costs nothing. He thinks that gas might be of cases in order to prove the prophylactic power of any par delivered to consumers in London at one shilling per thous- ticular drug. We do not wish to discourage experimentaand cubic feet "if gas making were conducted on sound com- ition, but it should be remembered that therapeutics are not mercial principles—that is, if it were not a corporate mo- advanced by continually announcing on the basis of a doznopoly, and were subject to the wholesome stimulating influen cases new powers in drugs which further experience at

Must the problem be, therefore, given over as hopelessly nation based upon the present cost of gas is essentially insoluble? No scientific physician would admit a proposition so disgraceful to the profession. While internal medication is recognized as thus far a failure, it should still be tried experimentally—but not depended on. Ultimately a remedy may be discovered; meantime external methods for increasing the comfort of the sick, for preventing the distribution of infected epidermis, and for diminishing the exposure of the well, may do very much toward restricting the spread and

BETTER LATE THAN NEVER,

It is not an uncommon thing to hear young men complain see that they are daily wasting opportunities which, if that the father of Professor Sumner, of Yale College, could English mechanic. Within twenty years thereafter he was known as one of the best read men in Hartford, one of the most cultivated communities in the country. Instead of wasting his time in idle regrets for his deficient schooling, he learned to read, and read to good purpose. In a similar way many of the best, most honored, and most successful men our country has known have begun their acquaintance with letters after reaching manhood; and there is no reason why the most illiterate mechanic in our land, if possessed of natural ability and a sincere purpose, may not increase Seeing that medical skill has been able to bring smallpox his enjoyment in life, his opportunities for improving his