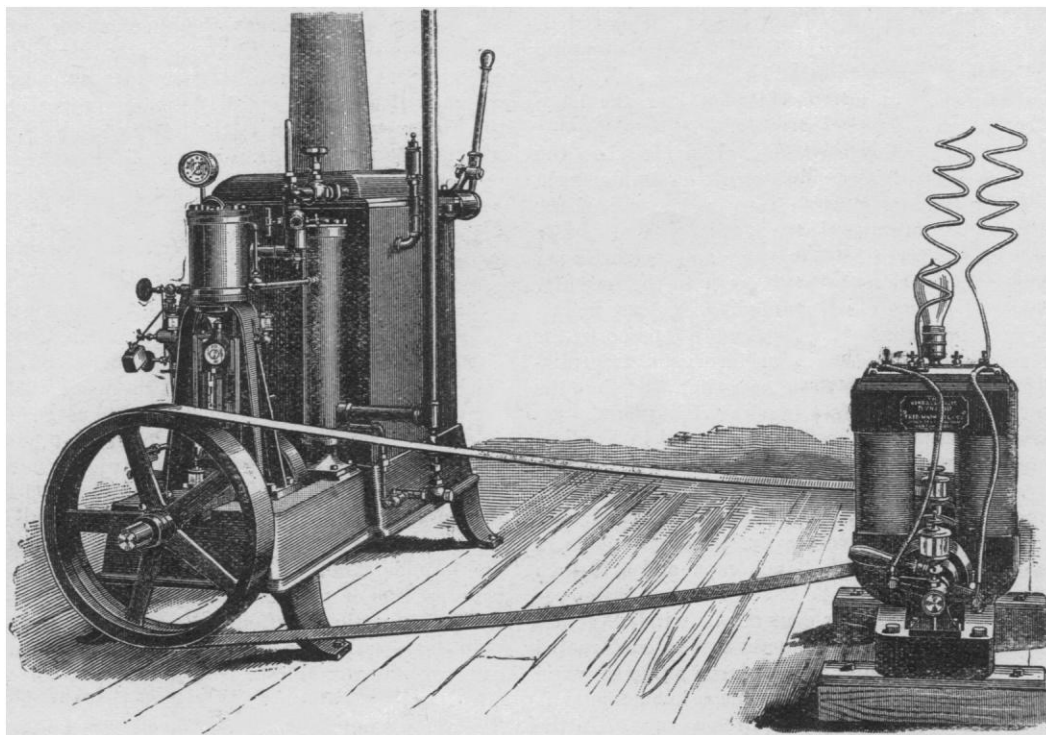


letter in Mr. Peet's possession gives any other sense, it has been tampered with by some one desiring to make mischief. The remarks that I make at the end of this letter (written several years ago, and now for the first time published by Mr. Peet) show that I was opposed to theorizing upon the subject, and used the term "pile-structures" throughout the letter. Reasons for use of these terms, let me repeat have been referred to, as above stated. In regard to the quotations from the Peabody Museum

INDUSTRIAL NOTES.

Automatic Oil-burning Steam-Engine for Electric Lighting.

THE compact electric-lighting plant shown in the illustration has been found to work satisfactorily in places where a comparatively small number of lights are required, and where the expense of operation must be reduced to a minimum. One such plant has been for some months furnishing light in a church at Fitchburg, Mass. Power is furnished by a Shipman automatic



A COMPACT ELECTRIC-LIGHTING PLANT.

reports, I have to say that its editor was perfectly free to express his opinions upon the subject, whether he accepted my fish-weir theory or not. So far, I have not yet made any definite report upon the subject, from lack of time to work the material up. There is no manuscript in the hands of the Peabody Museum, upon pile-dwellings or river-dwellings in North America, awaiting publication, as has been asserted. HILBORNE T. CRESSON.

Philadelphia, April 11.

oil-burning engine, which was illustrated and described in these columns about a year ago. The dynamo furnishes current for fifteen 32-candle-power incandescent lamps, six 25-candle-power lamps, and five 16-candle-power lamps. The fuel being oil, supplied automatically as required, and the water-supply, steam-pressure, and speed being automatically regulated, the plant requires scarcely any attention other than to start and stop it, and is said to give entire satisfaction.

PURIFICATION of air by ventilation has never been satisfactory, but rather a delusion and a snare, especially to teachers who have been defrauded by its pretensions and not benefited by its accomplishments. Mature people can point to no efficient, successful ventilation. Every system in the last twenty-five years has been tried or is being tried, but to no satisfactory purpose. The cry for purification in school-rooms and other public institutions throughout the country is more heart-rending than ever before. Ventilation is abortive. Disinfection alone can be relied upon as a means of purification. The Sherman "King" Vaporizer is the only known device that is warranted to absolutely accomplish this. They are used in hundreds of school auditoriums and other public institutions in Boston, Springfield, Holyoke, Worcester, Chicopee, Hartford, and other places, as well as in innumerable private dwellings and everywhere with the most gratifying results. They never fail to purify every place where they are located. This wonderful purifier is *continuous*, requiring but a moment's care once in from two to three months. The cost of supporting it is so trifling as not to need consideration. It is inexpensive, agreeable, compact, absolute and interesting. Names of prominent officials in any of the above places will be furnished, to facilitate direct inquiry, if desired. Testimony to all above facts—*absolutely convincing*—furnished by agent for New England at 45 Kilby St., Boston, SHERMAN "KING" VAPORIZER CO.

If you have \$100, \$1,000 or \$1,000,000 for which you are seeking for a profitable investment, write to JAMES W. GREENE, West Superior, Wis.

Inquiry costs nothing. Reference by permission to The Editor of SCIENCE.

CATARRH.

Catarrhal Deafness—Hay Fever.

A NEW HOME TREATMENT.

Sufferers are not generally aware that these diseases are contagious, or that they are due to the presence of living parasites in the lining membrane of the nose and eustachian tubes. Microscopic research, however, has proved this to be a fact, and the result of this discovery is that a simple remedy has been formulated whereby catarrh, catarrhal deafness and hay fever are permanently cured in from one to three simple applications made at home by the patient once in two weeks.

N.B.—This treatment is not a snuff or an ointment; both have been discarded by reputable physicians as injurious. A pamphlet explaining this new treatment is sent free on receipt of stamp to pay postage, by A. H. Dixon & Son, 337 and 339 West King Street, Toronto, Canada.—*Christian Advocate*.

Sufferers from Catarrhal troubles should carefully read the above.

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Exchanges.

[Free of charge to all, if of satisfactory character. Address N. D. C. Hodges, 47 Lafayette Place, New York.]

Wanted—To furnish roots of *Dodecatheon Meadia*, *Sarracenia purpurea*, and other wild flowers, native of Southern Wisconsin, in quantities. D. E. Willard, Curator of Museum, Albion Academy, Albion, Wis.

A large number of plants from Maine, Connecticut, Indiana and Illinois for exchange. Southern and western exchanges preferred. Address, enclosing lists, L. N. Johnson, 223 Chicago Ave., Evanston, Ill.

For Exchange—Fourteen volumes Encyclopedia Britannica (Stoddard's ninth edition), bound in leather—part in original wrappers, all as new—can arrange to furnish volumes required to complete set, and six volumes "American Naturalist" in numbers. Want small screw-cutting foot lathe and testing galvanometer and rheostat. For particulars address A. B. Campbell, McKean Co., Bradford, Pa.

I have a number of duplicates of microscopic slides, mostly botanical, which I would like to exchange for others not now in my collection. Send list of what you have to exchange and get my list. S. K. Thompson, New Wilmington, Pa.

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