cording the velocity of wind; 6. Instrument for recording the force of wind; 7. Rain gauge.

set up by any bright boy; and we can imagine no occupation more agreeable and profitable during these long winter even- five hundred dollars, one year's imprisonment, or both. ings, or the leisure days which are so common in winter, than their construction and erection in the garret, the barn, or always profitable science of the weather. If the student has now in session. any mechanical skill the simple clock-work employed in some of the pieces of apparatus can be easily made; the cheap mainstrument is given with such minuteness of detail that no intelligent person need be afraid of undertaking the practical study of meteorology by means of them, making if he will every part of his observatory. A very little daily attention thereafter will make the intelligent possessor of such apparatus weather-wise beyond the wildest imagination of the oldfashioned oracle, even though he be the much-quoted "oldest inhabitant."

It may serve as an encouragement to those who may contemplate the practical study of the weather by the means in-renders of State rights to the general government. dicated, to say that the inventor of the apparatus described made with his own hands the several pieces he employs; and that by their use he has made the New York Observatory, though housed in a little garret room at the top of the old Arsenal building in Central Park, one of the most efficient meteorological observatories in the world. It is to be hoped the case, so that immediate action is not so much needed as that the construction of a new building for his use on some elevated part of the park, where instruments can be placed for the taking of sun spots, earth magnetisms, earth temperatures, and so on, may not be longer delayed.

TRADE MARKS IN CONGRESS.

Committee on Manufactures, December 17, with their unanidesire that the resolution might be agreed to by Congress of them would not meet again for two years.

the treaty-making power, of which this has become an incilowing their example.

this matter.

The provisions of the law of 1870 with regard to the advancement of the useful arts. fraudulent use or counterfeiting of trade marks were quite sufficient. The party misusing a trade mark was made liable already said, might be desirable. The matter, however, buys nothing upon which to feed man or beast, except sugar to an action for damages; and the party aggrieved was en-should not be over-hastily considered, either in Congress or titled to have his remedy according to the course of equity in the State legislatures, should it be referred to them. And almost any product of Southern soil. Last year he made to enjoin the wrongful use of his trade mark and to recover the subject should be treated with especial caution at this 1,600 gallons of sirup, and this year has sold over 200 pounds compensation therefor in any court having jurisdiction over time, when public sentiment is so ill-disposed toward anythe person offending. In 1876 Congress saw fit to pass an thing partaking of the nature of monopoly, or looking like act for the special punishment of trade mark offenders, an unnecessary surrender of rights and privileges either to which put the matter on an entirely different footing. It the national government or to individuals. provided a maximum fine of one thousand dollars or two years' imprisonment, or both, for offering for sale goods bearing a fraudulent trade mark; for affixing such a mark; for putting up packages bearing such a mark; for manufacturing such a mark, or having in possession the means em-certain legally chartered medical college in Philadelphia neighbors, may seem phenomenal. ployed in such manufacture, such as dies, brands, engrav- was selling degrees. The rumor proved true, and the instituings, or the like; for in any way dealing in or having in tion was suppressed. It is, however, a fact that at that very possession any representation, likeness, similitude, copy, or time one of the smaller German universities was conferring colorable imitation of any private label, trade mark, or the degrees upon men who had never seen a German university, like; for having in possession any used or empty box, en- without even the formality of their visiting that country, America, by an American explorer. It is called neen, and velope, wrapper, case, bottle, or other package to which is much less of submitting to an examination. Bad as this belongs to the Coccus family; feeds on the mango tree, and affixed a trade mark which might have been obliterated but was, the said institution required, as nearly all German inhad not been, so as to prevent its fraudulent use.

vindictive men to harass or injure their rivals was as unjust dissertation. and as unreasonable as the punishment provided was excesone sentence—three yards long, carpenter's measure—section | by one Doctor (?) Rosenbaum, who also gave private lessons 7 provided that if the owner of any registered trade mark or and coached candidates for examination. The authorities his agent were to make oath that he had reason to believe have succeeded in securing the books and correspondence of duces a thick semi-fluid mass, like a solution of India rubber. that any one was offending in any of the particulars given this curious establishment, and found that it had been above, either of the judges of the Circuit or District courts widely and extensively patronized. Strange as it may seem,

metallic thermometers; 3. Sunthermometer; 4. Instrument | pected party's premises and seize any suspected article—as, | our swindling scheme. The charge for a doctor's dissertafor recording the direction of wind; 5. Instrument for re- for example, an empty match box or gin bottle bearing a tion was only \$112.50, while small papers were furnished fraudulent trade mark, or a genuine mark which might have for \$37.50. Every profession was represented, for the been but was not obliterated. And any one who should bureau supplied dissertations in jurisprudence, medicine, For the most part these instruments can be fashioned and knowingly aid or abet any one in violating any of the pro-philosophy, history, philology, and theology. Owing to the visions specified was, in section 8, made liable to a fine of judicial investigation now in progress many details are with-

States will be little likely to put it in the power of Congress, their promotion by virtue of these false papers. the shop-loft. There certainly can be no more direct or en- to repeat such enactments, even should the proposed amendjoyable method of beginning the study of the fascinating and ment to that effect be favorably considered by the Houses

A more favorable method of securing all that is necessary chinery of a "dollar clock" can be purchased almost any-marks is offered in Mr. Caswell's bill, introduced in the less than vaunted Germany. Our medical colleges especially where by such as do not choose to attempt this part of the House, December 15. This bill embodies the idea set forth should be closely watched in the matter of giving degrees. work. In each case the method of making and using the by Mr. Bartlett in our issue of last week, namely, that the The title, too, of professor, should be more sparingly ap-Commissioner of Internal Revenue be empowered to furnish plied to second rate teachers, and made to mean something. at a nominal price, to such as may desire the incidental protection thereby afforded, a special revenue stamp, to be known as a trade mark stamp, the fraudulent use or counterplicity of its working and the absence of any necessary sur-

> matter of trade marks largely removes the alleged urgency of a permanent and practical settlement of the question on a:

It must not be forgotten that the theory of the protection couragement of manufacturers. They insist, also, that the merit for real excellence, their influence so far as purchasers some degree comparable with that of the patentee. As the dent, is one solely within national control. The fact that matter stands there can be no comparison between them. other nations-Great Britain, Germany, France, Belgium, As a rule, neither the trade mark nor the thing marked adds Spain, Russia, and others—have made trade marks a subject anything new or valuable to the common stock either of useof national interest, is further urged as a reason for our fol-: ful ideas or material goods. Yet under the old law, as we have seen, a greater degree of protection was accorded to the Undoubtedly a wisely drawn national trade mark law owner of a trade mark than to the owner of a patent for inwould greatly simplify the regulation of trade marks, and in vention; a national cheapening of the value of original and farming cannot be made to pay in the South. Of this man many ways be a benefit to trade. It is obvious, however, useful ideas that should be avoided in future legislation. that a law presenting the obnoxious features of the one now It is neither just nor politic to place the man who, originatdeclared unconstitutional wouldnot and should not so meet ing nothing, simply appropriates for his own use something farm hand, working for wages. He has inherited nothing, the approval of the several States as to induce them to sur- from the common stock of words, phrases, or forms, on a render to the general government their reserved rights in higher level before the law than the man whose thought and labor had created something of public benefit through the single bale to market, does not propose to sell a bale before

Under proper restrictions a national trade mark law, as

A DISSERTATION BUREAU.

The power which such provisions put into the hands of details of which were to be presented in the form of a of the insect contains a large proportion of grease, which is

Recently Berlin has been greatly disturbed by the disof the United States, or the commissioners of the Circuit the dissertations furnished were not merely articles copied was run over the Second Avenue Elevated Railway, Decemcourts, were empowered to issue search warrants directing from an encyclopedia, but really scientific productions, ber 15.

seven pieces of apparatus: 1. Barometer; 2. Dry and wet the United States marshal for that district to invade the sus-showing that brains and talent were engaged in this nefariheld for the present. It is thought that an investigation will It is safe to predict that the legislatures of the several result in degrading a number of persons who have gained

> The discovery of so deep and dangerous a plan of systematic educational swindling among the honest Germans should lead them to be more lenient toward us for our sharp Yankee tricks and incite us to suppress our own factories with regard to the national registry and protection of trade of bogus or worthless degrees, that we may be more blame-

INFLUENCE OF ELECTRICITY ON VEGETATION.

Some months ago, says La Nature, M. Grandeau, director feiting of which would be punishable after the manner of of the agricultural station at Nancy, announced that experiother offenses against the revenue laws. The objections to ments made upon Indian corn and tobacco proved that atthis method were sufficiently stated by us last week. Its mospheric electricity exercises a very favorable influence advantages are obvious, not the least of which is the sim upon vegetation. M. Maudin, director of the National Botanical Garden of Antibes, to-day makes known some facts which go to prove directly the opposite. He experimented The disposition to hurry the action of Congress in this on other plants, and in another climate; and, as will be matter, manifested by the Committee on Manufactures, is seen, he draws the conclusion that M. Grandeau's inferences much to be deprecated. The existence of State regulations were too general. According to him, atmospheric electricity, substantially protecting the rights of manufacturers in the like all other agents of vegetation, plays a useful part, but which, in its absence, can be replaced by another force. The experiment was made in the following manner.

In a kitchen garden bed well exposed to the light, two basis of justice and sound policy. The advantages of the squares of 51 decimeters each were selected at 7 meters trade mark system are not so great as to warrant any inva- apart, and in each of them was planted a bunch of dwarf sion of the just rights and privileges of the people to secure kidney beans, a lettuce, a tomato plant, and two cotton seeds. One of the beds was left to itself, and the other was covered with an iron cage, the four uprights of which termi-The proposed constitutional amendment giving Congress of purchasers by trade marks, so strongly urged by the nated in points to attract all of the atmospheric electricity. the power to grant, protect, and regulate the exclusive right committee on manufactures, holds good only so long as the For a fortnight the two cultures appeared to be alike; but to adopt and use trade marks was reported back from the ownersoftrade marks choose to maintain the original quality at the end of this period, a difference was observed between of the wares in connection with which the marks acquired them, and the difference, which was to the advantage of the mous approval, and referred to the Committee on the Judici-their value. But the public have no guarantee that such cage, kept increasing more and more. The bean plants ary. The Committee on Manufactures expressed a strong will be the case, or that the confidence they repose in any under the cage were much better developed and much richer mark may not be grossly abused by the original owner or in seeds than those in the open air. As for the lettuce, its early in the session, that the amendment might be submitted some subsequent purchaser of it. Practically, therefore, the height in open air was 1 meter, and under the cage, 1.20 to the State legislatures in session this winter, as a number benefit arising from the protection of trade marks accrues meters; its total weight was 337 grammes in the open air. chiefly if not entirely to the owners of them. If trade and 427 grammes under the cage. The tomato plant in the The committee urge the necessity of protecting trade marks were granted only in cases of positive superiority on open air had attained a height of 0.8 of a meter, and under marks for the benefit of purchasers, as well as for the en- the part of the wares to be marked, as a sort of reward of the cage, 1 meter; its weight in open air was 0 072 of a kilogramme, and under the cage, 3.754 kilogrammes. While control of the matter should be vested in Congress. Trade are concerned would be vastly different; and the standing under the cage the plant bore 83 tomatoes, weighing 2 162 marks are not and cannot be confined to State lines; and of the trade mark owner, before the people would be to kilogrammes, the number on the plant in the open air was only 37, with a weight of 1.08 kilogrammes.

THE COMMON REWARD OF INTELLIGENCE AND

The Recorder, of Americus, Georgia, reports the case of a farmer, near that place, whose experience shows very clearly what there is in the common Southern complaint that the Recorder says:

"He began life since the war, a poor young man, as a and has been engaged in no business except farming. He, this year, will make 90 bales of cotton, has not brought a spring, and he is able to hold it. He owns one of the best plantations in Southwest Georgia, and it is his boast that he and coffee, but, on the contrary, has something to sell of of butter."

If such examples are rare in the South—as they probably are in too many parts of our country—the fault lies more in the men than in their surroundings. There is no part of the settled portions of the United States so poor in natural advantages and opportunities that men of intelligence, About eight years since considerable commotion was pluck, and energy, cannot win therein, if they will, a fortune created at home and abroad by a published statement that a which, in comparison with that of their less enterprising

Animal Rubber.

An insect, which produces a species of India-rubber, has been recently discovered in the district of Yucatan, Central swarms in these regions. It is of considerable size, yellowish stitutions now do, an original investigation, the results and brown in color, and emits a peculiar oily odor. The body highly prized by the natives for applying to the skin on account of its medicinal properties. When exposed to great sive. But this was not the worst feature of the law. In covery in that city of a large dissertation factory conducted heat the lighter oils of the grease volatilize, leaving a tough wax, which resembles shellac, and may be used for making varnish or lacquer. When burnt this wax, it is said, pro.

THE SECOND AVENUE ELEVATED ROAD.—The first train