SILENT WORKINGS OF SCIENCE.

Mankind, in hot pursuit of pleasures and the wherewith to procure them, are hardly aware of the silent labor bestowed upon their amelioration by those engaged in scientific investigation. Periodically an astonishing discovery is made, some hidden force of nature is utilized, and the world amazed stops, adopts the convevient discovery, and then, condemning it by reason of that familiarity which breeds contempt, rushes on again in its mad whirl of physical excitement. Too much devotion to the purely physical development has always, and perhaps will always, prevail. The pure, theoretical pleasures of the mind are to a great extent wholly disregarded. Perhaps science is not altogether blameless for this condition of things. Monotony of any description cloys the reasoning faculties, and excites finally distaste reasoning faculties, and excites inally distance and abandonment. From the purely specula-tive philosophy of the ancients, we have as a matter of course fallen into the opposite ex-treme, obeying, humanly speaking, that law of nature which causes all disturbed bodies to gravitate, or vibrate until rest, equilibrium is restored. Literally we are vibrating to and reatored. Literally we are vibrating to and fro, on a pendulum, and have fallen asleep. Some day science will stop our pendulum, and we will awake to discover, that in spite of our bodily activity, we have really been alceping. Science as well as common sense tolls us that vice is ruinous to the mind and body. Reli-gion rebukes us if we go astray. We langh at both, and why ? The truth is our prejudices are still deep-seated, and we are bound to have what we term pleasure. All this is the result of erroneous ideas imbibed perhaps in our youth, from a too constrained watchfulness. Science steps in and aids religion, while it has nothing whatever to do with it; but its aid is not that of violent denunciation, but the bring-ing into submission to man's uses and enjoynot that of violent denunciation, but the bring-ing into submission to man's uses and enjoy-ments all of the forces of nature. The work-ings of science are quiet and peacefal, unknown to the majority, but nevertheless effective, and will accomplish more than prohibitory laws ever can, and for the reason that they furnish him with all he requires or desires, and im-poses no restrictions upon him. This is just what the heart of man desires in the present condition of the world, and when this shall be accurately known and understood, mankind will awake from an unreasoning sleep and be improved in health, morals and general intelli-rence. rende.

ON DIPHTHERIA.

Dr. E. M. Snow says, in his last report as Register of the city of Providence:

In connection with this subject I think it my duty to ask the attention of the people of Providence, and especially of parents, to the following statements:

Ing statements: 1. No case of diphtheria occurs without an adequate cause. This is self-evident. 2. The cause of nearly all cases of the disease exists in the houses or premises, or within a few feet of the houses where the cases occur. 3. The cause of nearly all cases that occur in the city is breathing impure air from privy vaults or sink drains, or casepools: or drinking

again appeared there in 1771. It prevailed more extensively in France in 1818 and 1835, and in England, the United States and Canada from 1856 to 1860, and more or less since -Hospital Gazette.

DRUG TAKING MANIA.

Women are rather more given to drug taking than men, though both are bad enough in this respect. Here is what one of our most eminent physicians has to say on this subject: "Dr. Holmes has said that it would be well for the world if most medicines were thrown into the sea; that it might be bad for the fishes, but it would be better for mankind. For this marked and immeriment consention here are but it would be better for mankind. For this unasked and impertinent suggestion he has re-ceived a good deal of orthodex censure, which I am here now to share with him, for I am of the same opinion as Dr. Holmes, and this opin-ion has long been a part of my Christian faith. That the major part of the world does not agree with us is plain. Indeed most people seem to think that the chief end of man is to take meditime that the only of the of the is to take medi-cine. Babies take it in their mother's milk; children ory for it; men and women unceasingly ask for it. Shrewd men have taken advantage of this instinct, and in most civilized nations it is to-day one of the chief articles of manufacture of this instinct, and in most civilized nations it is to-day one of the chief articles of manufacture and commerce. It is one of those things which is never permitted to be out of sight; but is thrust upon you in the nursery, in the streets, upon the lamp posts and upon the curbstones, along the highways, from the rocks which ber-der the rivers; the medicine chest follows you at sex, as if the sea itself, a vast gallipot of nan-seants, were not enough. One might naturally suppose that the supply would at length exceed the demand i but it does not. Everywhere the people are stretching out their arms and beg-ging for medicine, bleasing him who gives and cursing him who withholds. They believe, in their simplicity, that if medicines do no good, they can at least do no harm. They imagine, also, that there is a medicine which may be re-garded as a specific for every human malady, and that these are known to science, and that therefore we have the means of curing all dis-cases; but the people imagine a vain this thered, of doing good, the same medicine is equally capable, when improperly adminis-tered, of doing mod, the same nesticine is equally capable, when improperly adminis-tered, of doing harm; and drugs often substi-tute a malady more serious than that which they were intended to cure. The Iriahman ani-his physician stuffed him so with medicine that his physician stuffed him so with medicine that his physician stuffed him so with medicine that he was sick a long time after he got well. - Dr. Frank Hamilton.

Fronk Hamilton. BRAIN WORK AND SKULL GROWTH.—The London Medical Record sums up as follows the results of some very interesting measurements of heads by two French physicians, Measrs. Lao-assagne and Cliquet: Having the patients, doctors, attendants, and officers of the Val de Grace at their disposal, they measured the heads of 150 doctors of medicine, 133 soldiers who had received an elementary instruction, 90 soldiers who could neither read nor write, and 91 sol-diers who were prisoners. The instrument used was the same which hatters employ in measur-ing the heads of their customers; it is called the conformator, and gives a very correct ides of 1. No case of diphtheria occurs without an also uate cause. This is self-evident.
2. The cause of nearly all cases of the disease the cases occur.
3. The cause of nearly all cases of the disease or premises, or within a source of the propertions and dimensions of the beads in the right is beathing impure air from priving value or sink drains, or casepools: or drinking, impure water.
Origin of Diphtheria
Diphtheria is believed to have originated in Egypt and Asia Minor, to which it extended, using the first 500 years, and hence was early all cases. Having invaded Europe, the disease appeared in Rome, A. D. 330, and being highly costagious, in its 1,500 years tranait on the continuent of Europe it affected mainly rural districts and garrisoned towas. It extended to Holland, in which it was epidemic in 1337; to Paris in 1576, and
was the same winch halters employ in measurements.

DARIEN CANAL.

We shall have occasion to present to our readers in a short time a complete exposition of the proposed canal. In the meantime the resolution offered in the last Congress by Senator Barnaido with reference to the foreign ownership of the Darien canal interfering with the Mource doctrine, has been criticised by the press of France in such a mauner as can leave no doubt that Senator Burnside's ideas were press of France in such a manner as can leave no doubt that Senator Burnside's ideas were correct. It appears from Lo Republique Fran-caise that the canel will be absolutely neutral territory, and that in consequence America need not fear entrusting the management thereof to foreign hands. This absolutions fran-gunt what America has always and will always contend against. Its destruction was the rea-son of the Monroe doctrine, and the true doc-trine of mational free will finds an ardent expo-nent in the American nation. Hampered on every side by the restrictive ties and contracts with nations foreign to this continent, how can this country hops to maintain its prestige 7 This Darien canal question comes home to our interests, if not more, as much, at least, as our war with England. What the nations cannot accomplish by brute force, they are now at-tempting to accomplish by diplomatic shill and fluesse. The United States must be checked." It has penctrated to every quarter of the globe with its mechanical and industrial products, and is fast crowding out of the markets of the world the products that heretofore have given for the products that heretofore have given aford to permit this thing, and on our own and is fast crowding out of the markets of the world the products that heretofore have given European nations their greatness. We cannot afford to permit this thing, and on our own coast the matter is of great importance. The Orient is open to us, and we are gradually commanding its trade. Europe cut off by the natural obstruction of the Western continent, seeks by every effort to cut us off. National ambition to grasp the commerce of the East is the mainspring that moves northwest passage expeditions, and years ago the Darien cannol was broached but suspended because it was thought a passage through the Polar see would be discovered and made available. But now there is no hope of a highway in that direction, so the Darien canal has assumed its complete features. Upon the assumption that the United States can control eventually the commerce of the world, the foreign element on this hemis-phere must be kept at a distance, and to Amer-roans belong the right of controlling a highway their naturally. The same policy that Euro-pean nations adopt to proteet their commerce, must be adopted and enforced by us; and there is not a nation on the eart that would resist our of curops is setting, while our star of empire is ascending, hence the struggle of Europs to re-new its luster at the expense of ours.—Mining and Scientific Press.

and Scientific Press. PUBLIC STRAM HEATING. — A project is intr-duce public steam beating in New York is been anotioned by the Commissioners of th Sinking Fund. The system is known of "Holly's steam combination system" for heat ing, cooking, and other purposes. It is claimes that by it there will be a saving of \$150,000 year in the beating of the public buildings. I will also save the city from \$300,000 to \$500,00 per annum in the removal of askes from the dwellings and snow and ice from the princips streets and avenues. The steam will be cer-reyed through pipes laid in the etrest, and sup plied for any purpose. Its cleanliness and man advantages to the housekceper cannot be est mated too highly. The city is to receive \$150 000 from the company for permission to lay th pipes, and a further compensation of 37, of the sarnings of the company. That section of the city south of Canal street is set apart for the purpose.

Grass, the product of silics and an a was known prior to 3,000 B. C.; made in andria, and cut, colored and gilded 300 B. C.