

SCIENTIFIC AND SANITARY.

A LITTLE novelty is the invalid's teacup. It consists of a teacup and saucer, differing neither in price nor in size from the ordinary breakfast teacup, but so made as to allow of a depression in the saucer, in which is placed a small cube of prepared fuel, by means of which the liquid contained can be kept hot for some time—until the invalid is ready for it. For night nursing this cup should supply a long-felt want.—*London Queen.*

THE following is the record for quick passage between Queenstown and New York, by the steamers named:—

Year	Ship	Days.	Hours.	Minutes.
1866	Scotia	8	2	48
1873	Baltic	7	20	9
1875	City of Berlin	7	15	48
1876	Germanic	7	11	37
1877	Britannic	7	10	53
1880	Arizona	7	7	23
1882	Alaska	6	18	37
1884	Oregon	6	11	9
1884	America	6	10	..
1885	Etruria	6	5	31
1887	Umbria	6	4	42
1888	Etruria	6	1	55
1889	City of Paris	5	19	18
1891	Majestic	5	18	8
1891	Teutonic	5	16	31

To the usual well-known ways of stimulating muscles to contraction, viz.: electrical, thermal, mechanical and chemical, M. D'Arsonval has recently added that by means of light (*Nature*, Aug. 20). He could not, indeed, get any contraction in a fresh frog-muscle, when he suddenly threw bright light on it in a dark chamber; but having first in darkness stimulated a muscle with induction currents too weak to give a visible effect, and then suddenly illuminated the muscle with an arc light, the muscle showed slight tremulation. Not thinking this conclusive, however, M. D'Arsonval attached a muscle to the middle of a piece of skin stretched on a funnel, and connected the tube of the funnel by means of a piece of india-rubber tube, with the ear. The muscle being now subjected to intense intermittent light, he heard a tone corresponding to the period of illumination, and this ceased when the muscle was killed with heat. Arc light was used, which was concentrated by a lens and passed through an alum-solution to stop the heat rays.

HEADACHE, dizziness, ringing noises in the ears, hawking and spitting are sure symptoms of catarrh. There is no case Nasal Balm will not cure if given a fair trial. Beware of imitations.

MOTHERS, have pity on your pale and suffering daughters. Their system is "run down," and if neglected the consequences may be fatal. Dr. Williams' Pink Pills will bring back their rosy cheeks and health and strength.

"August Flower"

"I inherit some tendency to Dyspepsia from my mother. I suffered two years in this way; consulted a number of doctors. They did me no good. I then used

Relieved in your August Flower and it was just two days when I felt great relief. I soon got so that I could sleep and eat, and I felt that I was well. That was three years ago, and I am still first-class. I am never

Two Days. without a bottle, and if I feel constipated the least particle a dose or two of August Flower does the work. The beauty of the medicine is, that you can stop the use of it without any bad effects on the system.

Constipation While I was sick I felt everything it seemed to me a man could feel. I was of all men most miserable. I can say, in conclusion, that I believe August Flower will cure anyone of indigestion, if taken **Life of Misery** with judgment. A. M. Weed, 229 Bellefontaine St., Indianapolis, Ind." ●

THE age of aluminium is slowly creeping upon us. At least the metal is becoming cheaper, and a boat ten feet by five constructed of it has just been launched in Germany, propelled by a naphtha motor. More ductile and light by far than steel and possessed of vastly greater tensile strength, it only remains for the discovery of more ready methods in extracting this metal, which is omnipresent in the earth's crust, to revolutionize industry again.—*New Orleans Times-Democrat.*

SOME curious observations were made by Mr. Rawlet, of Lyons, on the skeletons of monkeys, among which were 49 chimpanzees, 26 gorillas and 11 orangoutangs. There were several examples of epiphyses, 5 cases of fracture, the same number of deformed joints and 8 cases of ossification. The maladies bore a remarkable resemblance to similar accidents observed in man. In the cases of fracture, although the monkey tribe have neither removable bandages, nor surgeons, the knitting of the bone took place just as well as among human beings. The deformed joints (attributed to starvation, privations and dampness) were only found among the gorillas, who live on the ground, and not among the monkeys who live in trees. The latter very naturally had more cases of fracture. According to the author of this statement, diseases of the bone are as frequent among monkeys as among men.—*Paris La Nature.*

ONE of the most important discussions of the recent meeting of the British association for the advancement of science took place in the biological section, presided over by Francis Darwin, one of the sons of Charles Darwin, and professor of botany at Cambridge. The subject was the fundamental points of distinctions between plants and animals. The unanimous conclusion was that in the lower forms of life there is no distinction which can yet be formulated. Plants and animals are but differentiations from a general type of life, and a new nomenclature must be devised for the description of the lower forms, which shall be simply biological, and shall be equally applicable to plants and animals. In summing up the discussion, Prof. Darwin wittily remarked that in order to tell whether volvox was a plant or an animal we should have to determine whether the animals which fed upon it were herbivorous or carnivorous.

TOBACCO fermentation, a very essential process, is brought about by firmly packing ripe tobacco in large quantities. *Nature* states that it had been generally supposed that the fermentation is of purely chemical nature, but Herr Suchsland, of the German Botanical Society, finds that a fungus is concerned in it. In all the tobaccos he examined he found large quantities of fungi, though of only two or three species. Bacteria were predominant, but Coccaceae also occurred. When they were taken and increased by pure cultivation, and added to other kinds of tobacco, they produced changes of taste and smell which recalled those of their original nutritive base. In cultivation of tobacco in Germany it has been sought to get a good quality, chiefly by ground cultivation and introduction of the best kinds of tobacco. But it is pointed out that failure of the best success may be due to the fact that the more active fermenting fungi of the original country are not brought with the seeds and the ferments here cannot give such good results. Experiments made with a view to improvement on the lines suggested have apparently proved successful.

EVERY tissue of the body, every nerve, bone and muscle is made stronger and more healthy by taking Hood's Sarsaparilla.

WHAT DOES IT MEAN?—"100 Doses One Dollar," means simply that Hood's Sarsaparilla is the most economical medicine to buy, because it gives more for the money than any other preparation. Each bottle contains 100 doses and will average to last a month, while other preparations, taken according to directions, are gone in a week. Therefore, be sure to get Hood's Sarsaparilla, the best blood purifier.

DR. T. A. SLOCUM'S

OXYGENIZED EMULSION OF PURE COD LIVER OIL. If you have Tightness of the Chest—Use it. For sale by all druggists. 35 cts. per bottle.

Is it not enough that every bird that flies, ruthlessly robs her nursery, devours her babies, and even snatches her own soft body from the very sanctum of home; that gauzy flies steal their greedy young into her nursery to fatten upon her infants; that to monkeys, squirrels, and lizards her plump body is a sweet morsel they never resist; that frogs and toads snap her up without ceremony; that centipedes seize her in restless grasp; that wasps paralyze and bury her alive? Are not these enough, without man joining the host of exterminators? Consider for a moment her usefulness. Count, if you can, the thousands of flies and mosquitoes eaten by one common house or garden spider in a summer. Then remember her harmlessness. Other servants we must pay; birds eat our cut-worms, our caterpillars, and our potato-beetles, but we have to pay a tax—small it is true—in fruits, in berries, in green peas, in corn; owls and hawks, while they destroy moles and mice, indulge now and then in young chickens. But the daughter of Arachne asks no reward, neither fruit nor vegetable suffers from her touch, no humming or buzzing attends her movements. Steadily, faithfully she goes on her way doing her appointed work; and we, so wise, so far above her in the scale of being, we—murder her!—*From The Spinning Sisterhood, by Olive Thorne Miller, in The Popular Science Monthly for October.*

GOVERNMENT BLUE BOOK ON INSURANCE.

The Superintendent of Insurance for the Dominion has just published his report for the year ending December 31, 1890, and from it authentic information can be obtained regarding the business of insurance as carried on by the various companies operating here. Of the total insurances effected during the year, more than one-half was secured by the Canadian companies, while the British and American companies obtained the remainder. This speaks volumes for the enterprise and popularity of our home institutions, among which may be specially mentioned the North American Life Assurance Company, of this city, of which the veteran ex-Premier, the Hon. Alexander Mackenzie, M.P., is President.

Examining more particularly this Company's statement, as verified by the Government Superintendent, we find that its assets amount to \$1,034,325.04; consisting of first mortgages, chiefly on city property, bonds, debentures, etc.; the policies in force exceed over ten millions of dollars, and the surplus on policy-holder's account, over and above liabilities, \$187,149.04.

An interesting feature in connection with this financial statement is that the interest received in cash on the Company's investments exceeds the death losses for the year by several thousand dollars. A leading journal, *The Insurance and Finance Chronicle*, of Montreal, in referring to the average rate of interest realized by the life companies last year, shows that, with one exception, the North American realized a higher rate of interest than any other Canadian, American or British Company. To anyone acquainted with the business, this fact must indicate that the Company has been built up on a solid foundation, and that the management is in skilled hands.

The work accomplished this year is, we understand, considerably in advance of that done during the first nine months of 1890. With plans of insurance devised to meet the wants of intending insurers, whereby investment and insurance are combined, with a policy contract as liberal in its conditions as consistency dictates, and having financial strength which is not excelled by that of any other company, the North American Life commends itself as a safe and reliable institution to those seeking the beneficial protection of life insurance.

The charter granted by Parliament to this Company gives it the power to grant and sell annuities, which is a method of securing an income to those in middle life and old age that has been found specially acceptable. The instalments are payable at the option of the annuitant—that is, either annually, half-yearly or quarterly, and what is an important point, they are always paid promptly on the day upon which they fall due.

An annuity has also these special features: That it is for a definite sum, and is always for a much larger amount than could be obtained from any ordinary mode of investing money. It is a well-known fact that the income derived from stocks, bonds, mortgages, etc., is not always payable as promptly as might be desired, neither is it at all times a settled quantity, thus frequently causing much inconvenience and annoyance. While stocks, bonds and real estate may fluctuate and depreciate in value, an annuity granted by such a strong institution as the North American, cannot, as it is a definite contract to pay a fixed sum at stated periods.

Catarrh

Is a constitutional and not a local disease, and therefore cannot be cured by local applications. It requires a constitutional remedy like Hood's Sarsaparilla, which, working through the blood effects a permanent cure of catarrh by eradicating the impurity which causes and promotes the disease. Thousands of people testify to the success of Hood's Sarsaparilla as a remedy for catarrh when other preparations had failed. Hood's Sarsaparilla also builds up the whole system, and makes you feel renewed in health and strength. All who suffer from catarrh or debility should certainly try Hood's Sarsaparilla.

A Perfect Cure

"I have been taking Hood's Sarsaparilla for the past four years at intervals. I was troubled with catarrh, and the medicine effected a perfect cure. I take it now whenever I feel debilitated, and it always gives me immediate strength, regulates the bowels and gives an excellent appetite."—*LEVI CAMPBELL, Parkersburg, W. Va.*

N. B.—Be sure to get

Hood's Sarsaparilla

Sold by all druggists. \$1; six for \$5. Prepared only by C. I. HOOD & Co., Lowell, Mass.

100 Doses One Dollar.

RADWAY'S READY RELIEF.

The Cheapest and Best Medicine for Family Use in the World.

CURES AND PREVENTS

COLDS, COUGHS, SORE THROATS, INFLAMMATION, RHEUMATISM, NEURALGIA, HEADACHE, TOOTHACHE, ASTHMA, DIFFICULT BREATHING, INFLUENZA.

CURES THE WORST PAINS in from one to twenty minutes. NOT ONE HOUR after reading this advertisement need any one SUFFER WITH PAIN.

INTERNALLY.

From 30 to 60 drops in half a tumbler of water will in a few moments, cure Cramps, Spasms, Sour Stomach, Nausea, Vomiting, Heartburn, Nervousness, Sleeplessness, Sick Headache, Diarrhoea, Dysentery, Cholera Morbus, Colic, Flatulency, and all Internal Pains.

MALARIA

Chills and Fever, Fever and Ague Conquered.

There is not a remedial agent in the world that will cure fever and ague and all other malarious, bilious and other fevers, aided by RADWAY'S PILLS, so quickly as RADWAY'S READY RELIEF. Price 25c. per bottle. Sold by druggists.

Dr. RADWAY'S

Sarsaparillian Resolvent

A SPECIFIC FOR SCROFULA.

Builds up the broken-down constitution, purifies the blood, restoring health and vigor. Sold by druggists. 25c. a bottle.

Dr. RADWAY'S PILLS

For DYSPEPSIA and for the cure of all the disorders of the Stomach, Liver, Bowels, Constipation, Biliousness, Headache, etc. Price 25 cents.

DR. RADWAY & Co., Montreal.

A Skin of Beauty is a Joy Forever.

DR. T. FELIX GOURAUD'S ORIENTAL CREAM, OR MAGICAL BEAUTIFIER

Removes Tan, Pimples, Freckles, Moth-patches, Rash and Skin diseases, and every blemish on beauty, and defies detection. On its virtues it has stood the test of 40 years; no other has, and is so harmless we taste it to be sure it is properly made. Accept no counterfeits of similar name. The distinguished Dr. L. A. Sayer, said to a lady of the *hautton* (a patient): "As you ladies will use them, I recommend Gouraud's Cream as the most beautiful of all the Skin preparations." One bottle will last six months, using it every day. Also Powder. Subtle removes superfluous hair without injury to the skin. FERD T. HOPKINS, Proprietor, 37 Great Jones St., N.Y. For sale by all Druggists and Fancy Goods Dealers throughout the U. S., Canada and Europe. Beware of base imitations. \$1,000 reward for arrest and proof of anyone selling the same.