

A "Naval Demonstration."

By the treaty of Berlin, the Sultan of Turkey was required to cede to the small portion of his territory that lies on the borders of the little mountain principality of Montenegro to the ruler of that country. But the Sultan failed to do this, and the months, then years, elapsed, and the Sultan in this regard, the Albanians, who occupied the territory, remained themselves, and prepared to contest the matter with the end.

FARM, GARDEN AND HOUSEHOLD.

Healthy Homes for Animals. Horses, cattle, sheep, dogs and the higher animals in general have vital systems exactly like those of man, and seemingly as sensitive, too. A dose of any particular poison is just as fatal to a large dog as to a man of similar weight, and poisons that are breathed in by the lungs of a horse find their way just as quickly to the blood as they would if inhaled by man, woman or child.

TIMELY TOPICS.

A gloomy story is told by the Times of India concerning the ravages of wild beasts and venomous reptiles in that country. The total of deaths during the last year caused by wild beasts and snakes was not less than 20,000. It ought to be possible in some way to lessen such an appalling mortality.

POPULAR SCIENCE.

M. de Lesseps states that the opening of the Suez canal has increased the rainfall in the surrounding country to a remarkable extent. Previous to 1870 rain fell only about once a year, while it now falls at least twice a month.

"Hands wanted on boys' pants," is the daily advertisement in the newspapers. "It was always thus from childhood's hour."

Are you wearing out from excessive labor, are tired or old aged? If so, there is no medicine can restore your strength, your sleep and your spirits like Malt Butters, made of Unfermented Malt, Hop, Calisaya and Iron.

"What are your politics?" the chaplain of the Iowa penitentiary asked an intelligent-looking convict. "I have not come out for anybody yet," replied the convict, gazing placidly through the bars.

There is no necessity to neglect your cough unless you will only use Dr. Bull's Cough Syrup at the most, the most reliable remedy is the one for Coughs, Colds, and Whooping Cough.

Trichinae are by no means confined to pork. Two French soldiers died lately of trichinosis contracted by eating the flesh of geese. Dr. Glendenning has detected the dangerous parasites in a pig caught near Oxford.

Theodore Tilton is back from Europe. His new lecture is entitled "The World's Progress." He is a man of great energy and Mr. Charles Mumford, late of Cooper Institute, now of Red Bank, N. J.

Impure blood. In morbid conditions of the blood are many diseases; such as salt rheum, ringworm, boils, carbuncles, sores, ulcers and pimples. In this condition of the blood try the VEGETINE, and cure these affections. As a blood purifier it has no equal. Its effects are wonderful.

Malaria fevers can be prevented, also other malarial diseases, by occasionally using Dr. Sanford's Liver Invigorator. This is the oldest general family medicine, which is recommended as a cure for all diseases caused by a disordered liver. Eighty-seven bottles sent free. Address: Dr. Sanford 162 Broadway, N. Y.

Get Lyon's Patent Hair Stiffeners applied to those new boots you run them over.

GREAT HORSE MEDICINE. DR. THOMAS' VENETIAN HORSE LINIMENT is the best for all horse ailments. It is the best in the world for the cure of Colic, Old Sores, Sprains, Bruises, Thumps, etc. It is a sure cure for all ailments of the horse. It is a sure cure for all ailments of the horse. It is a sure cure for all ailments of the horse.

WILL CURE. Scrofula, Scrophulous Humor, Cancer, Gonorrhoea, Erysipelas, Canker, Salt Rheum, Pimples or Humors of the Face, Ringworm, Old Sores, Ulcers, Bronchitis, Neuralgia, Dyspepsia, Rheumatism, Eczema, Itch, Scabies, etc.

A Romantic Suicide. A St. Petersburg paper narrates touching story of an occurrence in one of the principal hotels in that city. A young gentleman, the name of Moscovy, who had been staying for a few days by himself in the hotel, ordered dinner one day to be served for two. He then went to the railway station, evidently to meet his expected friend. He, however, returned to the hotel alone and no reply could be got from within, the police were sent for to break open the door. The young gentleman was found stretched across the table, his head against the wall, and his feet against the door. On the table also lay the photograph of a young lady, and the fragments of a letter were found scattered about the floor. Another letter, addressed to the proprietor of the hotel, said that the writer had shot himself in despair because the young lady whom he had been expecting had not kept her promise. Half an hour afterward came the postman, bringing a letter from the young lady, in which she said that she had missed the train and would be unable to come till the next day. The scene when the unfortunate lady arrived and was informed of the death of her lover can be better imagined than described.

How to Keep Healthy. Do not neglect ventilating your bed rooms when the weather becomes cold. In the morning hoist the windows, take off the bedclothes, shake and stir the ticks, turn up the covers, and let the air penetrate further, and they will escape faster while the bed is warm, and you will not have to wait for the beds to air when you are ready to make them. In the evening, when you get into the bed, do not allow the wind to blow directly upon you. In the coldest nights of winter we only leave the doors open connecting with other rooms. On no account sleep in tight rooms without at least a three-foot strip of pure air. Plenty of fresh air gives health, strength and elasticity to the lungs and body.

Keep the pores of the skin open, to let impurities pass out freely, by washing the body once a week in winter, and oftener in summer. Have the room warm, bath quickly and wipe dry, and you will not feel chilly if it has been done properly. If all the clothing worn by you is made of wool, wash it in hot water, and use a good disinfectant. Wash your other garments, much health and comfort would be added to life. One-third of our lives is spent in our sleeping rooms. Do be particular about them. Let them be large, dry and pleasant.—Germanian Telegraph.

It is now said that printed paper, or paper that has been written upon, when used as a wrapping for butter, cheese, etc., is productive of injurious results. The ink, and in the case of newspaper the printing, which may have come off from contact with the hand, and entered the pores of the paper and then fermented, may contaminate such food and injure digestion.

Banana fiber is suggested by Mr. Thomas J. Spear, of New Orleans, as a promising material for paper making. It grows in the tropics and requires no replanting after having been once started on a piece of ground, needs no cultivation, enriches the soil, and is mostly fiber. An acre planted in banana plants will, it is estimated, yield eight to ten tons of fiber.

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Red Pepper and Poultry. I do not know if other persons who raise poultry and pet birds are as much dependent as I am on red pepper; but I have found so much benefit from its use in my poultry yards and bird cages that it may not be amiss to call the attention of others to its good properties. I do not speak of the article that is sold in drug stores, but of the red pepper which is fresh but of the capsicum that grows in our gardens. I have tried all the different varieties, and find that the most pungent and efficient is the small variety known by the name of "bird's pepper." The plant in its beautiful object; it grows about two feet high, and in autumn its bright little scarlet berries look like coral beads peeping from under the dark green foliage. One plant in a pot will form a very pretty ornament for a flower stand. The seeds possess a stimulating and reviving property, and I find two or three given to newly-hatched chickens, especially if they are weakly, have a most happy effect. If a hen looks feeble after molting, six of these berries or pods given daily in some cornmeal and sweet milk improves her wonderfully. Last summer two of my finest canaries began to droop. Every day I gave them each one seed of the "bird's pepper," and in less than a week they were quite well. The same remedy is invaluable for mocking birds.—Poultry Bulletin.

Asazels, if left to themselves, will develop long shoots that after a time become naked below and are furnished with flowers only at their extremities. Flower stems are formed on the nodes of each former's growth. Consequently, the amount of bloom, other things being equal, depends upon the amount of young wood annually produced. In order to have plants of good shape when they become large, it is necessary to give attention to pinching and training them from the first. The pyramid form, or more properly, that of a cone, is the best, and at the top, is considered the best for the plant, as it allows the greatest exposure of leaf surface. Two principal methods are adopted to regulate the growth and bring plants into shape: one is by successive pinchings as the growth proceeds, the other by allowing long shoots to grow and then bending and training them down, thus causing many of the dormant buds along their whole length to break and grow into shoots.—American Cultivator.

PUMPKIN FRITTERS.—Use cold, boiled pumpkin which has been scalded at the fire, and mixed with one tablespoonful of flour, and pepper and salt to taste; fry them on a hot griddle and use them as soon as they are cooked. Cold, boiled pumpkin can be used in the same way. Pickles can be prepared in the same way as melon.

FRUIT CAKE.—One pound of flour, one of sugar, one of butter, two of raisins, two of currants, one of citron, ten eggs, one-quarter ounce cloves, one ounce nutmeg, two of cinnamon, one ounce of mace, one-half ounce of allspice, one cup of molasses; bake four hours.

KING GEORGE'S PUDDING.—One pint of bread crumbs, half-pint of flour, teaspoonful of baking powder sifted in flour, a little salt, half a pound of raisins, quarter of a pound of currants, a quarter of a pound of chopped suet, coffee-cupful of milk, one egg; tied tightly in a bag and boiled three hours; to be eaten with hard sauce.

Patent Flour is now coming into general use, and many of our readers may be interested in reading the following explanation of what it is and how it is made, taken from the Prairie Farmer:

Until recently the best flour made from winter wheat, or rather the flour made from winter wheat sold for the most money because it was white. But it is now found that the most nutritious part of the starch of the grain, while the most nutritious part of the grain went into the middlings.

In grinding spring wheat so much bran remains in the flour that it was too dark to suit the taste of the consumers. But the middlings, which sold at a low price, has become the most desirable part of the grain.

Middling purifiers—by which the bran is separated from the middlings—have made a revolution in the business of milling.

By the new process the wheat is ground as before, except that the efforts of the miller are directed to obtaining the most middlings possible, and these are placed upon large horizontal sieves which are constantly agitated, while at the same time by ingenious devices a draft of air is rushed up through the sieves which carries off the bran.

The middling middlings are then re-ground and the product is "patent" flour, containing the glutenous, or most nutritious portion of the grain. Thus it is explained why the hard spring wheats of Minnesota, Northern Wisconsin and Dakota bring the highest price in the market, whereas only a few years ago they commanded only the lowest price.

Twenty Rich Men. The following twenty men are estimated to be worth the sums following:

Table listing names and estimated wealth: William H. Vanderbilt, \$100,000,000; Astor of New York, 75,000,000; J. P. Morgan, 75,000,000; Russell Sage, 75,000,000; Fair of California, 50,000,000; Flood of California, 50,000,000; Mackey of California, 50,000,000; August Belmont, 50,000,000; James G. Bennett, 50,000,000; S. J. Tilden, 50,000,000; Edward Clark, 50,000,000; Peter Cooper, 50,000,000; Senator Jones, 50,000,000; Keene of New York, 50,000,000; Senator Sharon, 50,000,000; John Humphreys, 50,000,000; Oliver Johnson, 50,000,000; S. O. Jones, Jr., 50,000,000; Perry H. Smith, of Chicago, 50,000,000; Pierre Lorillard, 50,000,000.

Judicious Advertising. Has created many a new business; Has cured many a sick child; Has revived many a dull business; Has rescued many a lost business; Has saved many a failing business; Has preserved many a large business; And secures success in any business.

Paper board has been suggested as a substitute for wood and iron siding railroad cars.

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For the first time in America, in the record of the settlement of a large estate, the expressed wishes of a rich man have been literally carried out. The late Mr. Josiah T. Jenness, who died in January last in Philadelphia, left an estate of about \$1,000,000, including his real estate, and his personal effects were valued at \$1,000,000 each, and to his sisters bequeathed all his real estate in Philadelphia. It was the intention of the testator to make certain bequests to public institutions and a few friends, but this he neglected to do, and his sisters and sisters decided not only to have the wishes of the testator carried out, but consented to an equal division of the estate between them after the gifts to institutions and individuals and the expenses incident to the transfer of the property were deducted. Of the total amount five gifts of \$200,000 were paid to individuals, and the following donations were made: Working Home for Blind Women, \$200,000; the Blind Men, \$200,000; Women's Hospital, \$200,000; Academy of Natural Sciences, \$200,000; Penn. asylum, \$50,000. The very large sum of \$46,444.40 was paid to Register-of-Will's Taylor for a material inheritance tax. The balance of \$871,214.81 was divided into four equal shares of \$218,214 each, for each of the surviving brothers and sisters. This estate of nearly \$1,000,000 was settled up within eight months of the time it was taken into court.

The Size of a Drop. Mr. T. L. Taibot has made a series of experiments regarding the size of drops and their use in measuring medicines, etc. He finds that liquids containing a small portion of water expand rapidly and vis versa. Gamelin's statement "that the cohesion of liquids is pretty nearly in proportion to their specific gravity" is called in question, and the fact that alcohol and mercury afford nearly the same number of drops to the drachm certainly throws considerable doubt upon the matter. The size of drops is effected principally by the cohesion of the liquid, and the form of lip over which it is poured. Bottles with ground necks, wide thin even lips give fair results, but are not so accurate as "droppers." The best of these will not, however, average at all well. The administration of powerful medicines should not be measured by drops, and this mode of measurement is, in any case, inadmissible if the quantity exceeds half a drachm. The largest drop is formed by syrup of gum arabic, forty-four to the drachm, and the smallest by chloroform 950 to the drachm. It is a general rule that tinctures, fluid extracts and essential oils yield a drop less than one-half the size of water, and acids and solutions give a drop but slightly smaller than water.—Journal of Chemistry.

Dr. Callier Surprised. Vegetine Cured His Daughter. CALLENSVILLE, Cal., Oct. 15, 1878.

Dear Sir—My daughter has been afflicted with nasal catarrh, affection of bladder and kidneys, and is of scrofulous diathesis, and, after having suffered my self and the most eminent physicians of St. Louis, I at last resorted to the use of your VEGETINE (without confidence), and, to my great surprise, my daughter has been restored to health. I write this as a simple act of justice, and not as an advertising medium.

Respectfully, T. E. CALLEIER, M. D.

Vegetine is Sold by all Druggists.

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M. Roudaire has presented to the French Academy the results of his recent Algerian survey. He believes that an inland sea of 250 miles in length may be created without serious difficulty.

Professor Dufour, of Paris, has devised a thermometric apparatus which is so sensitive that it will denote, by a deflection of the index needle of two inches, the change of temperature caused by the entrance of a person into the room where it is placed.

It is surprising how quickly the vegetation of many countries settled by Europeans has been modified. A German writer, describing the flora of Chili south of the Valdivia river, states that the scenery bears a striking resemblance to the winding affluents reminds him very strongly of home. In the park-like prairies, associated with deciduous beeches, are numerous scattered apple trees, originally introduced from Europe. The apple tree has spread from Valdivia to Osorno, and even crossed the Andes into Northwestern Patagonia, and spread thence eastward. Indeed, it has become so widely distributed and so common in the mountainous, distant regions of the Argentine rivers, Rio Negro and Rio Colorado are called Manzanos, or Apple Islands.

The investigations of Herr Weith have shown that of various bodies of water, the most saline is the Dead Sea, and one has the greatest quantity of fish which contains the most dissolved bicarbonate of lime. A simple explanation of this seemingly strange fact is given. The superabundance of lime is widely distributed on the bottom of the sea, but, being insoluble, is not taken up by the water. If, however, the water contains an abundance of carbonic acid, which is produced, of course, by animals in respiration, this transforms the carbonate into the bicarbonate, which readily dissolves in water. It appears, therefore, that by a sure chemical analysis, one may, with considerable probability, estimate the quantity of fish in a body of water, and conversely, Herr Weith has often been able to give a remarkably accurate statement of the chemical composition of a body of water on learning the quantity of fish contained in it.

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There are frequent references in Shakespeare and contemporary writers to "sea coal," which was brought by sea to London from Newcastle. Early in the thirteenth century its use was prohibited in London on account of its unwholesomeness; but the prohibition was not long observed, and it soon became the only fuel. Combined with the thick and constant fogs which now hang over or inwrap the city, the smoke and soot is increasing the death rate every year. The Northern engineers fear of a catastrophe which shall end in suffocating the whole city, and the calamity of Pompeii in a different form, is repeated. One of the remedies proposed is the importation of anthracite from America; that the old term of "sea coal" may come into use again.

There is now in process of construction a railroad across the Isthmus of Tehuacan, which will connect the two isthmuses from ocean to gulf is about 140 miles, but the projected route of the railroad, being somewhat circuitous, will be nearly thirty miles longer. The eastern terminus is to have a good mouth of the river Coatzacoacoas, and from this point the railroad has already been completed for a distance of about ten miles, and the grading of another section of nearly twenty miles is finished. The route of the railroad from the Mexican government demand that the entire road shall be completed within two years from next January. Native laborers have been employed in this part of the work, but the route through the harbors and the interior, as well as lay out the route of the road on the Pacific side of the isthmus. Northern mechanics will also be generally employed in the construction of the work, and over the bridges. The route between New Orleans and San Francisco will be shortened about 2,300 miles by the railroad across this isthmus, as compared with Darien or Panama, thus making an important saving of time and money in commerce.

For the first time in America, in the record of the settlement of a large estate, the expressed wishes of a rich man have been literally carried out. The late Mr. Josiah T. Jenness, who died in January last in Philadelphia, left an estate of about \$1,000,000, including his real estate, and his personal effects were valued at \$1,000,000 each, and to his sisters bequeathed all his real estate in Philadelphia. It was the intention of the testator to make certain bequests to public institutions and a few friends, but this he neglected to do, and his sisters and sisters decided not only to have the wishes of the testator carried out, but consented to an equal division of the estate between them after the gifts to institutions and individuals and the expenses incident to the transfer of the property were deducted. Of the total amount five gifts of \$200,000 were paid to individuals, and the following donations were made: Working Home for Blind Women, \$200,000; the Blind Men, \$200,000; Women's Hospital, \$200,000; Academy of Natural Sciences, \$200,000; Penn. asylum, \$50,000. The very large sum of \$46,444.40 was paid to Register-of-Will's Taylor for a material inheritance tax. The balance of \$871,214.81 was divided into four equal shares of \$218,214 each, for each of the surviving brothers and sisters. This estate of nearly \$1,000,000 was settled up within eight months of the time it was taken into court.

The Size of a Drop. Mr. T. L. Taibot has made a series of experiments regarding the size of drops and their use in measuring medicines, etc. He finds that liquids containing a small portion of water expand rapidly and vis versa. Gamelin's statement "that the cohesion of liquids is pretty nearly in proportion to their specific gravity" is called in question, and the fact that alcohol and mercury afford nearly the same number of drops to the drachm certainly throws considerable doubt upon the matter. The size of drops is effected principally by the cohesion of the liquid, and the form of lip over which it is poured. Bottles with ground necks, wide thin even lips give fair results, but are not so accurate as "droppers." The best of these will not, however, average at all well. The administration of powerful medicines should not be measured by drops, and this mode of measurement is, in any case, inadmissible if the quantity exceeds half a drachm. The largest drop is formed by syrup of gum arabic, forty-four to the drachm, and the smallest by chloroform 950 to the drachm. It is a general rule that tinctures, fluid extracts and essential oils yield a drop less than one-half the size of water, and acids and solutions give a drop but slightly smaller than water.—Journal of Chemistry.

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Paper board has been suggested as a substitute for wood and iron siding railroad cars.

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