

LIGHT.

The very first requirement of the primitive man is food, the next, clothing, the next shelter and then he passes from the requirements of the purely animal body to those of a little higher plane and demands light and heat and companionship.

It is strange that nature should have so fashioned adult man that he cannot pass as much of the time in sleep as she has given over to darkness, and it is to correct this fault in his structure that for all time man has devoted a large part of his energies towards producing means for artificial illumination which would lengthen the day and shorten the night.

The demand for light is as natural a demand as that for food. An evidence of the fact that this is a natural demand, is the rapidity with which any industry supplying a satisfactory light grows. Perhaps the largest industrial concerns in the world are engaged in the work of dispelling the darkness after the sun has ceased to shine.

A marvelous new chemical compound which when brought in contact with water would give off a gas possessing fifteen times the illuminating value of ordinary gas, was discovered by accident at a small North Carolina village on May 4th, 1892. Nothing was done with the discovery until 1895, when a company to exploit it was formed. Since then its growth and development has been without parallel in the industrial history of America.

The new substance "Carbide" in appearance resembles dark granite and as ordinarily crushed the pieces average about the size of egg coal. Carbide is inert, will not burn, is non-inflammable and can be handled in any quantity with perfect safety.

There have been passed and pronounced safe by the Boards of Fire Insurance over eighty different kinds of generators for producing Acetylene from the union of Calcium Carbide and water, and the sales of Calcium Carbide for a single day have been in excess of 300 tons.

When it is considered that less than four years ago there was not an Acetylene generator on the market and the very name Acetylene itself was unknown outside of technical chemical laboratories, this progress seems truly marvelous and is explainable only by the fact that Acetylene is truly an extraordinarily brilliant, cheap, safe and satisfactory light, that it possesses many advantages not common to any other artificial illuminant, and that it reaches and appeals to a class of isolated consumers in villages and on farms away from gas and electric mains and supplies—a long and sorely felt want.

Acetylene is produced by the simple combination of calcium carbide and water, the former is now procurable readily and at small cost. Any mechanic can install the generator. Any member of the family can manipulate it. It causes no odor, soot, or smoke. The flame from the Acetylene is clear and brilliant, the very essence of light. Owing to its richness it is consumed in very small burners. An Acetylene flame the size of a thumb nail gives as much light as an ordinary flame from city gas thirteen times as large.

MAY BECOME A BARONESS.

Widow of Magician Hermann to Marry a Wealthy Russian Captain.

It is probable that Mrs. Adelaide Hermann, widow of Hermann the magician, may be a Russian baroness. Baron Ivan Svenorak Orskveitch, of the Russian cavalry, holding the position of captain and large of wealth, is mentioned as the man who is to marry the charming widow.

Back of all this there is a romance. The baron is a widower, Hermann and his wife visited Russia. They were entertained by Baron Orskveitch, who was charmed with the magician's wife. The Hermanns left Russia and Hermann, in the height of his career, died. For some weeks Mrs. Hermann has played in vaudeville theaters in the far west.

The baron found time to run over from Russia to San Francisco and come east, closely following Mrs. Hermann to New York. When she came back she wore a magnificent diamond and sapphire ring. To a close friend she confided that the ring meant an engagement.

POINTS ABOUT FLOWERS.

(From the Ladies' Home Journal.) Hardy Yellow Rose.—Harrison's yellow and Persian yellow are both extremely hardy varieties of the yellow rose.

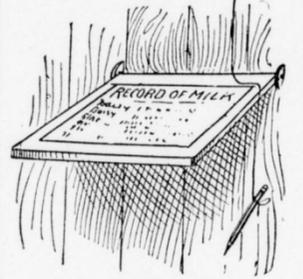
Baby Primroses.—These charming and popular little plants belong to the Obconica branch of the Primula family. They are of easy cultivation. They like a light, spongy soil, plenty of light and plenty of water. They bloom profusely all winter and are grown from seed sown in the fall.



THIS MEANS BUSINESS.

When the Cows Are Milked the Scales and a Record Sheet Ought to Be at Hand.

The scales and a record sheet ought to be at hand when the cows are milked. Then each cow's milk can be weighed and a record made of the amount, so that one can tell what his cows are doing—whether each cow is paying her way and something more, or whether some of them are running



DAILY MILK RECORD.

The dairy in debt. The percentage of cream which each cow's milk affords ought to be known to the dairyman. He can gain the information by the Babcock test, or (approximately) by setting a quart of the milk in a straight-sided vessel and noting the proportion of cream to the whole depth. Then with a record of the amount of milk given by each cow, the value of her weekly and monthly product becomes instantly known. Have a record sheet and keep it on a hinged board behind the cows, as shown in the accompanying illustration. — Orange Judd Farmer.

MULCHING ORCHARDS.

The Only Mulch They Should Receive Is That Made by the Harrow and Cultivator.

It is a common thing for the farmer with a surplus of straw to be at a loss what to do with it, and for him to conclude that the orchard is the best place to haul and spread it. He argues that it will act as a mulch and conserve moisture for his trees, and ultimately be converted into humus which will improve the land.

In this he makes three mistakes: First, straw, which is given the theoretical value of three dollars a ton when used as fertilizer, is worth little when spread out thinly and allowed to decay slowly in the orchard. It loses its nitrogen. Second, it furnishes excellent hiding places for mice, rats and other pests, which may cause great damage by gnawing the trees. This is particularly noticeable in young orchards. Third, and most important, it does act as a mulch, but in such a way that the surface layer of the soil is kept moist at just the time of year it should not be, namely, the early growing season. This encourages the growth of roots close to the surface, a place that is dangerous to the life of the tree, because in a very dry spell there are insufficient deep growing roots to supply the tree with moisture, and the surface has no moisture in it. It would be better to sell the straw at a loss. This would not mean the loss of the orchard as well as the straw, if used as mentioned above. But some extra stock may be utilized to eat up or trample down the straw, and thus make extra manure and litter. This will save the straw, the orchard and the manure. The only mulch that the orchard should receive is one made by the harrow or gang plow and cultivator. This will make the roots go deep and thus fit them to withstand a dry time.—M. G. Kains, in National Rural.

Pruning the Peach Trees.

The peach trees may be pruned early, and with some trees it is very beneficial to cut them out liberally. No old wood should be left on a peach tree if the branch is dying, on which such old wood can be removed to allow new buds to grow. Some growers cut off one-third of each tree every year, claiming that by so doing only one-third is left bearing, one-third producing wood for the next year and one-third producing buds for future growth. Peach trees must be cultivated and the ground kept clear of weeds and grass. Diligent search must be made from April to October for borers.

Starting the Onion Crop.

When making the onion plat use the "sets" instead of seed and set them in the rows as soon as the frost leaves the ground. They may be about three or four inches apart in the rows, but for large kinds more room may be given. Begin working them from the start, and especially after a rain, to prevent them from being crowded with grass and weeds. Where the maggots attacked them last year such land should be given over to peas and a new location selected for the onions.

Caring for Milk Pails.

Scalding the milk pails will not cleanse them, as hot water causes portions of the milk to curdle. First wash the vessels with lukewarm water, dissolving a teaspoonful of carbonate of soda (washing soda) in every quart of water used. Scrub well and rinse with clean cold water, and then scald, using more carbonate of soda in the boiling water, then again rinsing with clean cold water.

Beware of Ointments for Catarrh That Contain Mercury.

Mercury will surely destroy the sense of smell and completely derange the whole system when entering it through the mucous surfaces. Such articles should never be used except on prescriptions from reputable physicians, as the damage they will do is often ten fold to the good you can possibly derive from them. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, O., contains no mercury, and is taken internally, acting directly upon the blood and mucous surfaces of the system. In buying Hall's Catarrh Cure be sure you get the genuine. It is taken internally, and made in Toledo, Ohio, by F. J. Cheney & Co. Testimonials free. Sold by Druggists, price 75c per bottle. Hall's Family Pills are the best.

Significant Signal.

"I was much amused," said Cawker to Cumso, "at what a returned Klondiker told me of the customs of the gold mines." "Interesting and funny, were they?" "He said that in his shanty six men slept together. They lay in a row, like spoons in a case, facing one way, to keep warm. When one of them became tired of lying on one side he would call out 'Lawyer,' and they would all turn a corner." "Why did they use the word 'lawyer'?" "That meant 'Lie on the other side.'" — Judge.

Give the Children a Drink.

Called Grain-O. It is a delicious, appetizing, nourishing food drink to take the place of coffee. Sold by all grocers and liked by all who have used it, because when properly prepared it tastes like the finest coffee but is free from all its injurious properties. Grain-O aids digestion and strengthens the nerves. It is not a stimulant but a health builder, and children, as well as adults, can drink it with great benefit. Costs about 25c as much as coffee. 15 and 25c.

Kept Awake Listening.

"What makes Mrs. Henpeck look so worried these days, I wonder?" "Her husband has developed a habit of talking in his sleep, and it's driving her crazy." — Philadelphia Press.

You Can Get Allen's Foot-Ease FREE.

Write today to Allen S. Olmsted, Leroy, N. Y., for a FREE sample of Allen's Foot-Ease, a powder to shake into your shoes. It cures chubbins, sweating, damp, swollen, aching feet. It makes New or tight shoes easy. It cures corns, bunions, and blisters. All druggists and shoe stores sell it. 25c.

First Results.

He—What's the matter, dear? You look as if there was something troubling you. She—There is. I've joined a "Don't Worry" club, and I don't know how in the world I am going to pay my dues.—Yonkers Statesman.

Lane's Family Medicine.

Moves the bowels each day. In order to be healthy this is necessary. Acts gently on the liver and kidneys. Cures sick headache. Price 25 and 50c.

"Trigby, does your club play what regularly?" "No; the women talk regularly, and we men play what when conversation flags." — Indianapolis Journal.

There is a disease among cattle known as big jaw; many people catch it.—Acheson Globe.

McSwatters (at the end of a poker game)—"How will you account for this 50 to your wife?" McSwatters—"I own an automobile, and I'll put this loss as 'gasoline.'" — Syracuse Herald.

"How comes it a woman of such proud lineage is married to a man of humble birth?" "Well, I understand they are not rich enough to afford an ancestry for both of them." — Detroit Journal.

McJigger—"That's a funny thing." Thing-umbob—"What is it?" McJiggers—"Miss Passy was an old maid before she married, and now that her husband is dead she has become a young widow." — Philadelphia Press.

Wistful Willis—"Lopers is a low-caste tramp, a disgrace to the profession." Sorrowful Sam—"Wot's he been doin'?" Wistful Willis—"De las' time I saw him he said it was securin' de country." — Syracuse Herald.

Mrs. Perkins—"Why don't that horrid man, Swiller, across the street stop up; he's been on a spree a week." Mr. Perkins—"Swiller is a philosopher—if he sobers up he knows he'll have a headache." — Ohio State Journal.

Bourbon—"Our friend Lusher has the chickenpox." Friend—"Get out! Don't try to tell me that about a man of his age." Bourbon—"He's got it, all right. The doctor says he drank too many cocktails." — Baltimore American.

When a girl is out in company, she cuts a weazened little old oyster in four pieces, indicating that her mouth is so small she can't swallow it otherwise. When she is at home with her family she will swallow oysters as big as soup plates with gracefulness and ease.—Acheson Globe.

Mrs. Brown—"So you are a widow a second time, Mrs. Middleroad?" Mrs. Middleroad—"Yes, and it's too bad. I have got so used to the name Middleroad that I hate to have to give it up for some other name, for I don't think there's another marriageable Middleroad in this vicinity. Isn't it awful?" — Boston Transcript.

Old as the Hills are the pains and aches of RHEUMATISM NEURALGIA SCIATICA. Sure as taxes is the cure of them by St. Jacobs Oil.

Coughing Leads to Consumption. Kemp's Balsam will stop the Cough at once. Go to your druggist to-day and get a sample bottle free. Large bottles 25 and 50 cents. Go at once; delays are dangerous.

Great Social Forces. We believe it will be found that, next to electricity, Hattery is the greatest force in the world.—Acheson Globe.

To Cure a Cold in One Day Take Laxative Bromo Quinine Tablets. All druggists refund money if it fails to cure. 25c.

The doomed man had a last request to make. "Pray do not tell my parents," he implored, "that I was hanged!" "What shall we say killed you, then?" we asked, suspecting nothing. "The dropsy!" cried the wretched fellow, with a loud laugh.—Detroit Journal.

Dropsy treated free by Dr. H. H. Green's Sons, of Atlanta, Ga. The greatest dropsy specialists in the world. Read their advertisement in another column of this paper.

The man who cracks his fingers several times while nailing down the carpet knows what it is to take pains with his work.—Philadelphia Record.

I have used Piso's Cure for Consumption both in my family and practice.—Dr. G. W. Patterson, Inkster, Mich., Nov. 5, 1894.

You can ride a broken horse, but it is different with a broken wheel.—Golden Days.

Happy Women who have been relieved of painful menstruation by Lydia E. Pinkham's Vegetable Compound, are constantly writing grateful letters to Mrs. Pinkham.

Lydia E. Pinkham's Vegetable Compound cured them. It always relieves painful periods and no woman who suffers should be without this knowledge.

Nearly all the ills of women result from some derangement of the female organism. Mrs. Pinkham's great medicine makes women healthy; of this there is overwhelming proof.

Don't experiment. If you suffer get this medicine and get Mrs. Pinkham's free advice. Her address is Lynn, Mass.

To California Quickly and Comfortably. Via Chicago, Union Pacific and North-Western Line. "The Overland Limited" leaves Chicago daily 6:30 P. M., arrives San Francisco the afternoon of third day, and Los Angeles next morning. No change of cars. All meals in dining cars. Buffet, smoking and library cars, with barber. "The Best of Everything." "The Pacific Express" leaves Chicago daily 10:30 P. M., with first-class and through tourist sleepers to California. Personally conducted excursions every Thursday. All agents sell tickets via Chicago & North-Western R'y. For full information and illustrated pamphlet apply to W. B. Kniskern, 22 Fifth Ave., Chicago, Ill.

Fond of Horses. Hoax—Klumsy is very fond of horses, isn't he? Joax—If he is it's something new. "Well, I saw him out riding the other day, and he had both arms around the horse's neck." — Philadelphia Record.

MARCH AND APRIL Are the Most Disagreeable Months of the Year in the North.

In the South, they are the pleasantest and most agreeable. The trees and shrubs put forth their buds and flowers; early vegetables and fruits are ready for eating, and in fact all nature seems to have awakened from its winter sleep. The Louisville & Nashville Railroad Company reaches the Garden Spots of the South, and will on the first and third Tuesdays of March and April sell round trip tickets to all principal points in Tennessee, Alabama, Georgia and West Florida, at about half rates. Write for particulars of excursions to P. Sid Jones, D. P. A., in charge of Immigration, Birmingham, Ala., or Jackson Smith, D. P. A., Cincinnati, O.

There are some women who always use the same kind of judgment in allowing a poor steak to be passed off on them that they exercised years ago in selecting a husband.—Acheson Globe.

O, How Happy I am to BE FREE from NEURALGIA

Is Mrs. Archie Young of 1817 Oaks Ave., West Superior, Wis., writes us on Jan. 25th, 1900. "I am so thankful to be able to say that your SWANSON'S '5 DROPS' is the best medicine I have ever used in my life. I sent for some last November and commenced using it right away and it helped me from the first dose. Oh, I cannot explain to you how I was suffering from neuralgia. It seemed that death was near at hand. I thought no one could be worse. I was so very weak that I hardly expected to live to see my husband come back from his daily labor. But now I am free from pain, my cheeks are red, and I sleep well the whole night through. Many of my friends are so surprised to see me looking so well that they will send for some of your '5 DROPS'."

RHEUMATISM "I have been afflicted with rheumatism for 2 years. I was in bed with it when I was 17 years old. I have tried every medicine I could get, but nothing helped me. I was so weak that I could not get up. I was so very weak that I hardly expected to live to see my husband come back from his daily labor. But now I am free from pain, my cheeks are red, and I sleep well the whole night through. Many of my friends are so surprised to see me looking so well that they will send for some of your '5 DROPS'."

5 DROPS Is the most powerful specific known. Free from opiates and perfectly harmless. It gives almost instantaneous relief, and in a positive cure for Rheumatism, Sciatica, Neuralgia, Dyspepsia, Headache, Asthma, Hay Fever, Catarrh, La Grippe, Croup, Sleeplessness, Nervousness, Nervous and Neuritic Tenderness, Earache, Toothache, Neuralgia of the Face, Dropsy, Malaria, Creeping Numbness, etc., etc.

30 DAYS to enable sufferers to give "5 DROPS" at least a trial, we will send a 25c sample bottle, prepaid by mail for 10c. A sample bottle will convince you. Also, large bottles (50 doses) \$1.00, 6 bottles for \$5. Sold by all druggists. AGENTS WANTED for New Territory. Write us to-day.

SWANSON RHEUMATIC CURE CO., 160 to 162 Lake St., CHICAGO, ILL.

ARE YOU A FARMER, MERCHANT, PREACHER Interested in lighting your home, store, church or other buildings? If so, send us your name and address on a postal card and we will mail you a booklet containing full information regarding the new artificial light—ACETYLENE; and tell you how simple it is to install ACETYLENE GENERATORS, and how economically you can light a building.

\$100.00 IN CASH GIVEN AWAY Send Us No Money. We want a few honest boys and girls, and housewives who have a few spare moments during the day, to help us advertise USAPEPUL, a ten-cent medicine for indigestion. We will pay liberally, drop us a postal. LUCKEKA MEDICINE COMPANY, Dept. A, Providence, R. I.

In 3 or 4 Years an Independence Is Assured If you take up your home in Western Canada, the land of plenty. Illustrated pamphlets, giving experience of farmers who have become wealthy in growing wheat, reports of geologists, etc., and full information as to reduced railway rates can be had on application to the Superintendent of Immigration, Department of Interior, Ottawa, Canada, or address the undersigned who will mail you notices, pamphlets, etc., free of cost. F. PEDLEY, Supt. of Immigration, Ottawa, Canada, or to M. V. McINNIS, No. 2 Motroll Bldg., Detroit, Mich.; D. L. CAVEN, Columbus, Ohio.

RHEUMATISM Van Buren's Rheumatic Compound is the only positive cure. Past experience speaks for itself. Depot 38 S. California Ave., Chicago.

ABSOLUTE SECURITY. Genuine Carter's Little Liver Pills. Must Bear Signature of Aunt Food. See Fac-Simile Wrapper Below.

Very small and as easy to take as sugar. CARTER'S LITTLE LIVER PILLS. FOR HEADACHE. FOR BILIOUSNESS. FOR DIZZINESS. FOR TORPID LIVER. FOR CONSTIPATION. FOR SALLOW SKIN. FOR THE COMPLEXION. Price 25 Cents. Purely Vegetable. Must Bear Signature. CURE SICK HEADACHE.

O, How Happy I am to BE FREE from NEURALGIA

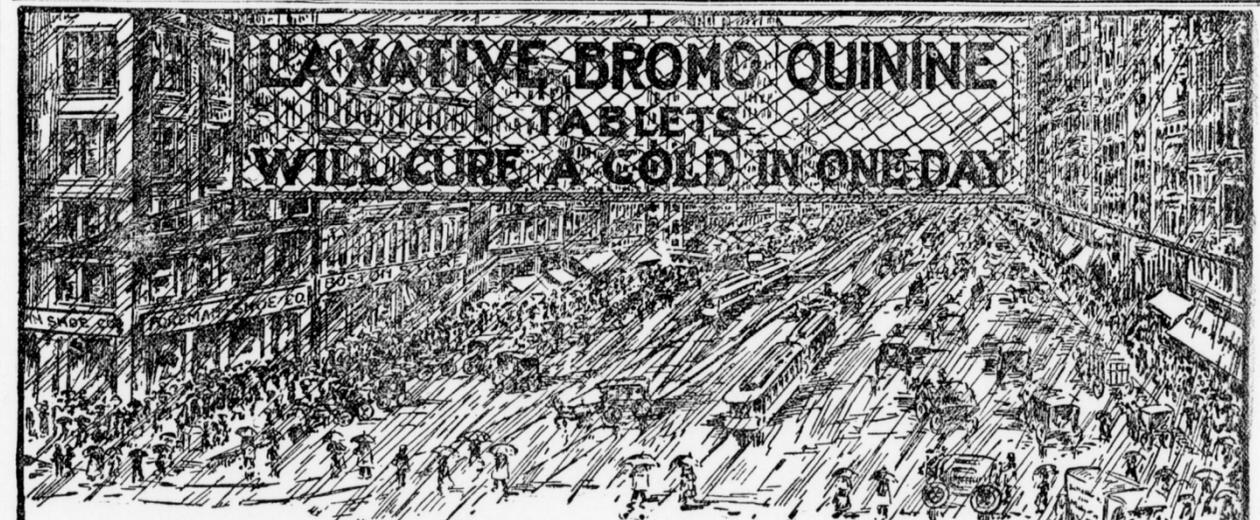
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A STATE STREET SCENE ON A STORMY DAY. NOTE—Laxative Bromo-Quinine which is advertised on the large banner over State Street, Chicago, as represented above, is the only exclusive cold prescription sold by every druggist in the United States, Canada and in England. This is the signature of the inventor and plainly appears on every box of the genuine article. It is sold for 25c a box, and all druggists refund the money if it fails to cure.