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FARM DAIRYING A New Book by Laura Rose
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Mud, snow, dust and dirt will not be tracked over your doors if you use **Grab's Foot Scraper** outside your door. The only device made which means business and saves time in one operation. Like the parallel plates for scraping shoes and two stiff bristles remove wrinkles and dirt from shoes. Adaptable to any shoe. Looks new. Can be repaired in five minutes. Get one and save countless work. Price \$1.00 if you order direct to us. Illustrated Patent. **Grab's Foot Scraper** will not clog your door, don't take substitutes, send your order direct to us. **Illustrated Patent.** **Grab's Foot Scraper** will not clog your door, don't take substitutes, send your order direct to us. **Illustrated Patent.** **Grab's Foot Scraper** will not clog your door, don't take substitutes, send your order direct to us. **Illustrated Patent.**

Farm Help AND Domestic Servants

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Our men have great satisfaction. We bring out the best class of men and take care in the placing of them.

WINDSOR DAIRY SALT

"Expect to get the prize for the best butter, this year?"

"Of course I do.

I have the best cows in the country—and here's my Windsor Butter Salt.

You can't beat that combination.

You know, I have won first prize for the best butter ever since I began to use Windsor Butter Salt"

"Hope you win"

"Thank you, so

do I"



Acetylene Light for the Farm

J. H. Lamb Simcoe Co., Ont. A lighting system for the farm approximating the equal of city lighting services may be had from an acetylene plant. At the mere mention of acetylene I reckon many of my readers will scent danger. With a good machine and it properly installed and the exercise of reasonable precaution any danger is more imaginary than real.

Acetylene lighting, once the plant is installed, is comparatively cheap. It has the advantage over oil lighting of giving much more light and better light, and then the work of cleaning and filling oil lamps is made a thing of the past.

ABOUT THE GENERATOR

When about to install an acetylene generator one should make certain of the following points:

(1) That there is no possibility whatever of the existence of an explosive mixture in the generator.

(2) The generator must ensure cool generation.

(3) The construction must be tight and the material heavy enough to resist rapid deterioration.

(4) It should be simple in construction so as to be readily understood and apt to get out of order.

(5) It should be capable of being cleaned and recharged without loss of gas into the room.

(6) There should be a suitable indicator to show how much carbide remains unused.

(7) The carbide should be completely used up generating the maximum amount of gas.

NATURE OF ACETYLENE

Acetylene is a colorless, tasteless gas composed entirely of carbon and hydrogen. It is lighter than air, but much heavier than coal gas. It burns with a very white light almost like sunlight. It is easy upon the eyes,

and enables them to distinguish colors accurately. The flame, for equal candle power, produces less heat than a kerosene lamp. The combustion of acetylene deprives the air of about 24 cubic feet of oxygen for each cubic foot burned.

Acetylene being a rich gas will form a dangerous explosive mixture with air. The difficulty in securing an explosive mixture, however, which must contain between 20 and 22 per cent. of air, is so unlikely on account of the ease by which gas leaks are detected and the small amount of gas that is stored at any one time in the system that accidents by explosion are exceedingly rare.

NO DANGER OF ASPHYXIA

Acetylene gas will cause asphyxiation, yet not nearly so readily as coal gas, which is the gas used for illumination in the cities. No fatal results from inhalation of acetylene are upon record, and it is claimed that they could not occur until the gas was present in the proportion of at least 20 per cent. Mandles are not used with acetylene burners owing to the fact that it is almost impossible to light the gas without a slight explosion, or, in other words, to destroy the mantle, although if mandles could be used they would raise the efficiency of the lamp many fold.

For an ordinary farm house it has been estimated that the total cost of installing the entire equipment as is necessary for acetylene lighting is somewhere between \$200 and \$250. In some of our more prosperous farm homes, and as the advantages of acetylene lighting and the lack of danger with good machines become more generally known we may hope to see acetylene lighting a part of all well equipped homes such as are now the pride of our well-to-do farmers.

To Prevent Typhoid

When one is compelled to live in a house or in a neighborhood where typhoid fever prevails he should make it his invariable rule to eat and drink only such foods as have been recently heated to above the scalding temperature. Salads should be avoided, and water and milk should always be scalded before use. Fruits should be pared. The typhoid fever organism is very susceptible to heat, and slight boiling or even a good strong scalding is sufficient to destroy it. So far as possible the house fly should be screened out of the house, while any that gain access should be diligently pursued and destroyed. A bit of wire netting attached to a wooden handle is a convenient weapon. If these measures are conscientiously practised a large part of the now generally prevalent typhoid fever could be prevented, especially if in conjunction with those measures the discharges of the sick were consistently and thoroughly disinfected before being thrown out upon the soil or into latrines.

In many cases the typhoid organism persists in the bowel discharges and in the urine for quite a number of weeks after recovery, so that great care should be taken for a month or two that these discharges are not allowed to contaminate soil or water. In the case of a few unfortunate known as typhoid carriers, the organism becomes acclimated, and these persons then are a source of constant danger to their fellows.

To bowel and kidney discharge should be added an equal volume of five per cent carbolic acid solution (poison) or five per cent solution of liquor cresol compound (United States Pharmacopoeia). Soiled linen should be put at once into boiling water. Soiled hands should be washed for five minutes in mercuric chloride water (1:1,000) colored with methylene blue to distinguish it from ordinary non-poisonous fluids and kept out of reach of children and animals. Tablets of

this character are on the market. In no case should mercuric chloride solution be put into metallic vessels, as it soon becomes inert.—U. S. D. A.

Never Say Fail

Keep pushing—'tis wiser than sitting aside. And dreaming and sighing. And waiting the tide, In life's earnest battle They only prevail Who dare march onward, And never say fail.

With an eye ever open, A tongue that's not dumb, And a heart that will never To sorrow succumb; You'll battle and conquer Though thousands assail; How strong your courage mighty Who never say fail!

The spirit of angels Is active I know, As higher and higher, In glory they go; Methinks on bright pinions From heaven they sail, To chase and encourage Who never say fail!

Ahead, then, keep pushing. In active I know, Unheeding the snarls, As those that bray, All enemies vanish, All enemies quail, In might of the wisdom, Who never say fail!

In life's rocky morning, In husband's firm pride, Let this be your motto: Your footsteps to guide; In storm and in sunshine, In storm and in sunshine, We'll onward and conquer, And never say fail.

Hints for the Home

Equal parts of tea and lukewarm water is a good solution for sponging plants.

A great convenience when cleaning house is a stick with a notch in the end that will lift picture cords off from hooks without so much stepping up and down.

When patching wall paper tear the edges of the piece about to be used. When pasted upon the wall a tear in paper shows less than a cut with knife or scissors.

If a moal has been taken within two or three hours of going to bed to sleep on the left side to give the stomach a task which is difficult in the extreme to perform.

Pillow slips should be a half inch narrower than the pillows they are to cover. This snugness in fit insures the pillows standing upright when the bed is made up.

A clean brick represents an excellent makeshift stand for a flat-iron. Brick retains heat better than the ordinary metal rests which are usually employed for the purpose.

If cooked meat is ready for the table before it is required, place in a dish and set over a pan of boiling water placed at the back of the range and covered with cloth.

If baby has swallowed a fish-bone and is in danger of choking use your finger in the form of a hook, and even at the risk of considerable pain relieve the little sufferer.

A little kerosene added to warm water when washing windows, especially outside, will remove the sticky condition often found better than alcohol, ammonia, or whitening.

Try washing of the hands with a little sugar added to the soap. This greatly increases the suds and cleansing power, and will remove dirt and chemical stains in a wonderful manner.

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