

### Mrs. Dyer Fell Off to 72 Lbs; Gains 33 on Tanlac

"For nearly seven years," recalled Mrs. E. Dyer, of Hamilton, Ont., "I had suffered from a complication of troubles peculiar to women, and finally my strength all left me and I broke down completely. When I began taking Tanlac I only weighed seventy-two pounds, and had been so weak and nervous for nearly two months that I had to be assisted from my bed to my chair. Many times I could not even retain my food and sleep would not come to me. Neither myself or my friends thought I would ever get well, but I am now feeling as fine as I ever did in my life and am weighing one hundred and five pounds, which makes me heavier than I ever was before. I can never praise Tanlac enough. Tanlac is for sale by all good druggists. Accept no substitute.

### TO MAKE CARBON BLACK IN CANADA

But for one of the non-metallic minerals—carbon black—this paper might have to be printed in some other color, and the automobile tire industry would be severely handicapped. Carbon black, a product of the incomplete combustion of natural gas, has not yet been manufactured in Canada, but the Mines Branch of the Department of Mines, through Mr. R. T. Ellis, worthy of the chemical division, is this season making a field study and chemical investigation of natural gas in western Canada with particular regard to determining the composition, character and gasoline content of these gases. At present the gas contains ethane and other hydrocarbons in great demand for the manufacture of carbon black. Carbon black is a soft, light-colored powder, similar to the soot produced by a smoking kerosene lamp. It is, however, a product of the burning of natural gas. The flame is impeded by a metal surface, which is cooled by running water, and as the soot accumulates it is mechanically removed. The chief production centres at present are in West Virginia and Louisiana, where there are tremendous supplies of natural gas. Each of these states has stringent conservation legislation governing the use of the gas. In Louisiana, before the gas can be used for the manufacture of carbon black, the gasoline content must be extracted, and in certain sections but 25 per cent. of the daily output of the well is permitted to be used for carbon black manufacture. All possible efforts must be made to avoid waste in the use of the natural gas. How important the industry is in Louisiana may be judged from the fact that one company's plant consists of 180 burning houses, 114 by 12 feet.

Canada has many gas areas, some of them situated at points distant from possible domestic utilization, and it is likely, as a result of the Mines Branch's investigations, that some of these may be found available for the economical production of carbon black. The Mining Lands Branch of the Department of Mines is also engaged in the production of carbon black from wells situated on Dominion lands. The Ontario Government, it is reported, has recently given permission for the natural gas from a small field in the Sarnia district to be used for the production of carbon black. It is a good thing that development will take place at once. The final product will be of but limited size, and will permit of enlargement as the opportunity arises. The recovery of carbon black varies from one-quarter to two pounds per cubic foot of gas, and the market price ranges from 17 to 20 cents per pound, with as high as 50 cents for special grades. The black is packed in paper sacks for shipment. The uses of carbon black are almost innumerable. One of the chief uses is in the preparation of printing ink, such as this paper is printed with. An admixture with oils of excellent quality and consistency a wide range of ink may be made, from that which is termed news-ink to a grade suitable for the printing of the finest illustrations. It is also used as a pigment in the manufacture of paint, in which case, leading material is generally added, usually barites. In the making of black polishes carbon black very generally enters, while for phonograph records, fountain pens, carbon paper, black enamel leathers, etc., it finds many uses. In the preparation of the rubber composition of automobile tires and other rubber goods the greatest consumption of carbon black has developed. It is estimated that fully 45 per cent. of the entire production is used in this industry. Owing to its fineness of subdivision it is a very valuable ingredient in automobile tire compositions; it must, however, be used in combination with other things. Alone as a rubber pigment it is not particularly valuable.

Canada is a very large user of carbon black, and while not yet producing none, for the year ending March 31 last, imported, of lamp, bone, ivory and carbon blacks, 3,749,409 pounds, of a value of \$446,812, and it enters Canada duty free. Should the Mines Branch be able to demonstrate the commercial possibilities of the utilization of the Alberta gas fields for the production of carbon black it will add considerably to the industry of Canada and make use of another of our great natural resources.

### FARMERS' BOOKLETS

Soit Free. Any of the following may be had free on application to the Publications Branch, Department of Agriculture, Ottawa. How Should Canada Export Beef Cattle? Water Egg Production. Wintering Bees in Canada. Cattle Feeding. Raising in New Zealand and Australia. Dressing and Cutting Lamb Carcasses. Raising Lambs for the Block. Simple Methods for the Storage of Ice. Cow Testing Worth While? The Maple-Sugar Industry. Interim Report of the Dominion Animal Husbandman. Report of the Dominion Field Husbandman. Raising Seed. Raising Cheese. The Breeding of Dairy Cattle. The All-Year Hog Cabin. The Self-Feeder for Hogs. The Racks and Troughs for Sheep. The Sheep Barn. The Economical Production of Pork. List of Publications. Office. No. 12, Wellington Street, Ottawa, Ont. (No stamp required).

### COLD IN THE HEAD?

Get quick relief. Rub nose inside and out with **Mentholatum**. At all Drug Stores. Write for Free Sample. THE MENTHOLATUM CO., Chicago, Ill.

**Booril makes you feel a new man**



### With The Boy Scouts

Halloween Good Turns. We've, 1923, was the most quiet in the history of more than 100 years in Ontario according to reports which have reached Provincial Headquarters. And the reason many of their boys are now and instead of looking for mischief in the streets, they are engaged in the most commendable of activities, the "Good Turns" which they do. Not a great many "Good Turns" were performed and the boys chased off several times when they were seen to be engaged in their comparatively quiet evening. Loss Fully Covered. "Jack burned his Scout uniform when he was cooking his stew on the hike last Saturday. The Scout Leader—'Were they in the kitchen?' "No, but his coat-tailed the loss." The Scout Leader—'Were they in the kitchen?' "No, but his coat-tailed the loss." The Scout Leader—'Were they in the kitchen?' "No, but his coat-tailed the loss."



### WORK-WORN WOMEN

Care of Home and Children Often Causes a Breakdown. The woman at home, deep in household duties and the cares of motherhood, needs occasional help to keep her in good health. The demands upon a mother's health are many and severe. Her own health, trials, and her children's welfare exact heavy tolls. Health breaks down, nerves are strained, and indoor living tend to weaken her. No wonder the woman at home is often undressed through weakness, headaches, backaches and nervousness. Too many women accept these visitations as a part of the lot of motherhood. But many an ailment, such as her health troubles are, the cause is simple and relief at hand. When well, it is the woman's good blood that keeps her well; when ill she must make her blood rich to renew her health. The nursing mother must have other women's health and plenty of it. There is one way to get this good blood so necessary to health, and that is through the use of Dr. Williams' Pink Pills. These enrich the blood, and through their use many weak, ailing wives and mothers have been benefited. If you are ailing, easily tired or depressed, it is a duty you owe yourself and your family to give Dr. Williams' Pink Pills a fair trial. You can get Dr. Williams' Pink Pills through any dealer in medicine or by mail at five cents a box from Dr. Williams' Medicine Co., Brockville, Ont.

### Fast Codfish Dressing.

Out on the foggy Grand Banks the most arduous task of the cod fisherman is "dressing down." Everyone dreams it, for it means working regardless of hours until the job is done. If the catch has been heavy, midnight, or even the dawn following, sees the entire crew harnessed at it by the light of lanterns. No man, not even the cook, commonly known while about as "the doctor," may have a reprieve. The deck is slippery with parts of the thousands of cod that have been slid from the knife of the slitters into the hold. Cut fingers are of no avail as an excuse for laying off. Power has taken a lot of the men's time out of life at sea and the same little gasoline engine that holds the sails and weighs the anchor will now have more to do—and the crew, less. The "iron splitter" does the work of 75 men who now wield sharp knives on the Grand Banks of Newfoundland, up along the Labrador, as well as in the localities frequented by fishermen from France, England and Scandinavia. Every second the new machine takes a fresh codfish and as often it turns out a dressed fish. It performs all the usual operations of splitting, removing the backbone, cleaning and washing. This ingenious machine was perfected in Seattle, Washington, by a somewhat similar machine called by fishermen "the iron chink," because it took the place of thousands of Chinese who were formerly employed to clean fish in the salmon canneries of the North Pacific—Scientific American.

### Origin of the Marriage Token.

Origins existed in the time of the Pharaohs, but probably they date back even farther than antiquaries can trace. In the first book of the Bible we read how Pharaoh took a wife from his hand and gave it to him as a mark of honor. A French custom, said as often it turns out a dressed fish. It performs all the usual operations of splitting, removing the backbone, cleaning and washing. This ingenious machine was perfected in Seattle, Washington, by a somewhat similar machine called by fishermen "the iron chink," because it took the place of thousands of Chinese who were formerly employed to clean fish in the salmon canneries of the North Pacific—Scientific American.

### THE FALL WEATHER HARD ON LITTLE ONES

Canadian fall weather is extremely hard on little ones. One day it is warm and bright and the next wet and cold. These sudden changes bring on colds, cramps and colic, and unless baby's little stomach is kept right the child may be serious. There is nothing to equal Baby's Own Tablets in helping the little ones well. They soothe the stomach, regulate the bowels, break up colds and make baby thrive. The Tablets are sold by medicine dealers or by mail at 25 cents each from The Williams' Medicine Co., Brockville, Ont.

### RAW FURS WANTED

Highest Prices Paid for Skunk, Coon, Mink, Fox, Deer, Skins, Hides, Calfekins, &c. Ship to Canadian Hide & Leather Co., Ltd., Toronto, Ont.

### HEALTH EDUCATION

BY DR. J. J. MIDDLETON  
Provincial Board of Health, Ontario  
Dr. Middleton will be glad to answer questions on Public Health matters through this column. Address him at Spadina House, Spadina Crescent, Toronto.

In Great Britain alone the indirect waste attributable to disease amounts to \$100,000,000 yearly, according to a statement recently made by Viscount Astor in the House of Lords. This is the price of a slum made without due consideration, for Lord Astor has for a long time been interested in Social Reform and knows whereof he speaks. Just fancy the conditions that prevail in some parts of the British Isles where there are more than two million slum houses in which people are packed so close together in a state of "positive indecency." Protesting against present conditions, Lord Astor declared that there were few things more degrading than the "breed immorality" of the slums, which he added that the average working-man's home should contain three bedrooms, a bathroom, a kitchen, and a living room, or a bedroom, a bath, a kitchen, and a living room. The Archbishop of York, who supported Viscount Astor in his protest, thought that the average working-man's home should contain three bedrooms, a bathroom, a kitchen, and a living room, or a bedroom, a bath, a kitchen, and a living room. The Archbishop of York, who supported Viscount Astor in his protest, thought that the average working-man's home should contain three bedrooms, a bathroom, a kitchen, and a living room, or a bedroom, a bath, a kitchen, and a living room.

### EASY TRICKS

Finding The Number. The magician counts the cards in a pack to show that there are only 52 cards. A spectator takes the centre of the pack any number of cards he likes, withdrawing them in a bunch so that the magician can see how many cards are taken. The cards are placed face down on the table and the spectator places either on top of the cards or beneath them a number of cards known only to himself. The cards are cut as many times as desired. The performer counts the cards face up and immediately tells how many were added. When the magician counted the cards it gave him an excuse for dealing the cards face upward so that he might remember the names of the top card and the bottom card. The fact that cards were withdrawn from the centre of the pack left these cards undisturbed. The spectator adds the number of cards he desires and the cards are cut. The performer now deals the cards face upward on the table, mentally counting until he reaches the first of the cards he remembered. He continues dealing until he reaches the other card he remembered. Then he counts the cards, silently to the end of the pack. The number of cards preceding the first card, plus the number following the second is the number added. If this number is obviously too large he gathers the cards up and repeats the feat again, this time counting the cards between the noted cards. This will give the correct number.

### MOTHER! GIVE SICK BABY

"California Fig Syrup" Harmless Laxative to Clean Liver and Bowels of Baby or Child. Even constipated, bilious, feverish, or sick, colic babies and children love to take genuine "California Fig Syrup." No other laxative purgative is so gentle and so effective. It sweetens the stomach and starts the liver and bowels acting without griping. Contains no narcotics or soothing drugs. Say "California" to your druggist and avoid counterfeits. Insist upon genuine "California Fig Syrup" which contains directions.

### EDDY'S MATCHES

silent-but eloquent EDDY'S MATCHES render the maximum of helpful service. EDDY'S MATCHES

### ASPIRIN

Say "Bayer" and Insist. Bayer Aspirin. Bayer Aspirin. Bayer Aspirin.

### TOOTHACHE

MINARD'S "KING OF PAIN" LINIMENT. Bathing the face. If there is a cavity in the tooth place in it a piece of cotton saturated with Minard's Liniment.

# SMOKE OLD CHUM

The Tobacco of Quality  
1/2 LB. TINS  
and in packages  
Manufactured by Imperial Tobacco Company of Canada Limited

### THE CHILDREN'S COUGH REMEDY

## MINTINE

Every man suffers from the desolation of some woman. The happiness of her is necessary to the happiness of her man.

### How to Purify the Blood

"Fifteen to thirty drops of Extract of Root, commonly called Sarsaparilla, may be taken in water with meals and at bedtime, for indigestion, constipation and bad blood. Persistence in this treatment will give permanent relief in nearly every case." Get the genuine at druggists, 50c and \$1.00 bottles.

### MURINE

Keeps EYES Clear, Bright and Beautiful. Murine Eye Drops. Murine Eye Drops.

### Cuticura Quickly Clears The Scalp of Dandruff

On retiring, gently rub spots of dandruff and itching with Cuticura Ointment. Next morning shampoo with Cuticura Soap and hot water, using plenty of Soap. This treatment does much to keep the scalp clean and healthy and promote hair growth. Soap 25c, Ointment 25c, Cream 25c. Sold throughout the Dominion. Canadian Distributors: The Canadian Drug Co., Ltd., 205 St. W., Montreal. Cuticura Soap shaves without lather.

### MOTHER OF TWIN BOYS

Tells How Lydia E. Pinkham's Vegetable Compound Relieved Her of Inflammation and Great Weakness. West St. John, N. B. "I was in a general run-down condition following the birth of my twin boys. I had a great deal of inflammation, with pains and weakness. Finally my doctor recommended Lydia E. Pinkham's Vegetable Compound. He said that your medicine would be the only thing to build me up. I am sure he is right, for I am feeling much better and am gaining in weight, having gone down to ninety-three pounds. I was in bed for over a month, but am up again now. I have recommended the Vegetable Compound to my friends and you permission to use my letter. Mrs. EDITH A. HIRSH, 82 Rodney St., West St. John, N. B.

### TOOTHACHE

MINARD'S "KING OF PAIN" LINIMENT. Bathing the face. If there is a cavity in the tooth place in it a piece of cotton saturated with Minard's Liniment.