

FISH AS FERTILIZER

Artificial fertilizers are meeting with an increasing demand in Canada. This added to the sudden shutting off of the supply of German potash, has focused the attention of the governments of the United States and Canada upon their respective sources of commercial fertilizers.

As yet but a comparatively small proportion of the waste in connection with the fisheries is utilized, owing chiefly to the economic problems of manufacturing. The fish reduction industry is carried on only for a few months each year and, as a result, the capital invested is unproductive for a considerable portion of the year.

USES FOR BONES

Many Useful Products Made After Bones Are Cleaned. Bones are not wasted. The chief product is glue, and among other materials which are obtained from them are soap, glycerine, and fertilizers.

RELOAD YOUR SHELLS

Hunter Saves Half Cost and Gets Better Results. No "crank" shooter is satisfied with merely reloading shells to duplicate the factory cartridge. He finds that for a great many purposes some reduced to load or special load is even better than the full factory loaded cartridge.

CARE WHEN HENS MOIT

Molting hens need particular care and attention. The change of coat is a big drain on the bird's system, and vitality. You must make up in food. An occasional feed of sunflower seed is good. Mix a little oil meal in the mash, and give increased ration of meat, green bone, beef scrap or whatever it may be.

WHAT CELEBRITIES DO

Lord Pirrie, the shipowner, walks a mile every day before breakfast. To hospitals and charitable institutions at the front, the Prince of Wales has subscribed \$55,000. Miss Cicely Stanhope, cousin of Lord Stanhope, is acting as a cook in a military hospital in France.

WHO KILLS THE GAME?

Market Gunners and Others Blamed For Exaggerating Species. The meat shooters who harry the game and other wild life in order to use it as a staple food supply; the Italians, negroes and others who shoot song birds as food; the feather hunters and hide and tusk hunters all over the world are the guests of the army of destruction. Here is an inexorable law of Nature, to which there are no exceptions; no wild species of bird, mammal, reptile or fish can withstand exploitation for commercial purposes.

NEW WELLAND CANAL RIVALS THE PANAMA

Will Make Ocean Ports of Lake Huron Bore Through Accommodating the Largest Vessels. In all the canal system in Canada, the Welland Canal is by far the most famous. When completed in 1821, it was regarded as the last word in canal construction. It is now being reconstructed by the Canadian Government at an estimated cost of \$50,000,000.

The Panama Canal has a length of fifty miles from ocean to ocean. The new Welland Canal measures twenty-five miles from lake to lake. The minimum width of the bottom of the channel in the case of the Panama Canal is 300 feet; in that of the Welland Canal it is 200 feet. The minimum depth of water throughout the Panama Canal is forty-one feet; in the Welland Ship Canal it is twenty-five feet, though all permanent structures are to be made so that at any time the channel can be deepened to a depth of thirty feet.

Investigators into the reasons for life have found that all persons who have reached great age, at least in the first part of their lives, lived out of doors, slept continually, and they always had ventilation in their sleeping rooms. Practically none of those who have lived to a ripe old age ever indulged in tobacco, alcohol, or stimulants of any kind except in a small degree.

LIVE TO A HUNDRED

Hints to Would-be Centenarians—Fat People's Slender Chance. Investigators into the reasons for life have found that all persons who have reached great age, at least in the first part of their lives, lived out of doors, slept continually, and they always had ventilation in their sleeping rooms.

REASONS FOR PRUNING TREES

The principal object of pruning is to produce a well shaped tree and to induce early and increased fruitfulness. A well shaped tree is one that has the head well balanced with the leading branches the proper distance apart; early and increased fruitfulness is assisted by causing buds which would otherwise remain dormant to develop into fruit buds and later into fruit spurs.

GENIUSES HAIR

Very few geniuses have red hair. The only poet whose locks were distinctly reddish was Swinburne, and John Bunyan was the only reformer with red hair. The popular conception by artists showed Cain and Judas Iscariot with red heads. Dark brown to black is the prevailing color of most great men.

WELLAND CANAL YOLLS

The tolls on the Welland Canal which had been gradually reduced from time to time to equalize the schedules on the St. Lawrence, were removed entirely in 1907. Since then all the Canadian and United States canals along the chain of great lakes have been free, not only to the vessels of each nation, but to foreign vessels, and they are therefore open to the world.

BUTTER VERSUS WHEAT

Those who urge the adoption of mixed farming in Western Canada should be interested in the fact that dairying in the great wheat Province of Saskatchewan has increased at a more rapid rate during the past three years than grain growing. The Co-operative Creameries of Saskatchewan, operated by the Dairy Branch of the Provincial Department of Agriculture during the summer months, recently made the following statement, showing the output of butter for every season since 1913:

Table with 3 columns: Year (1913, 1914, 1915), Butter (Total lbs.), Wheat (Total lbs.).

These figures, it may be observed, show that the output for the five months in 1915 has been increased over the same period of last year by 55 per cent., and by 107 per cent. over the same period in 1913.

THE MARKET PROBLEM

Of course, the problem of marketing the rapidly increasing dairy products of Saskatchewan or any other Western Province is one that must engage the attention of producer and distributor alike. However, in the period of recovery which will follow the war, Canada is sure to adhere to the policy of encouraging home industries, which has prevailed for over a generation.

THE LUCKY FLUTTER

Mr. Seymour Hicks and his charming wife have long made a habit of invoking success on a new production by the exchange of mascots between themselves, while Mr. Arthur D'Almeida regards as his mascot a quiet little figure given to him a long time ago by his charming little daughter.

WHY HEN RAILWAYS ARE BURGLAR EVERY DAY

Extraordinary Cases of Theft Appear Daily at Various Places—Grotesque Booty Sometimes. Even now we have not given up grubbing about railways. It is an old-established habit, and we are apt to neglect the various difficulties against which the companies are forced to contend.

STANDARD HEN HINTS

Advice to Poultry Farmers Appended—Many and Various Breeds of Fowl. Shut your sitting hen in a coop, put six drops of tincture of acetone in a pint of water and give it to her to drink. Feed nothing but bran. This breaks brooding hens up in less than three days.

BLUFF THE PATIENT

Doctors Never at a Loss to Make a Case Out of Nothing. "Never tell a patient that there is nothing the matter with him," is the advice of a Montreal doctor. "If you do you make a lifelong enemy and lose your patient. Give him something if it is only flavored water. If the disease is only imaginary, cure the imagination with a harmless dose, and your patient gets well."

WHERE DETAILS COUNT

Road Building Demands Much More Than Book Knowledge. Young highway engineers need experience under capable chiefs. Young engineers acquire in the schools a knowledge of fundamental principles, and they are taught the technique of designing; but the construction of a pavement involves matters of detail which the schools do not teach and which, in many instances, the schools cannot teach.

MANY "NUMBERS" HAVE QUEER SUPERSTITIONS

Mascots in Stagelands Are Pictorial—Actors and Managers Alike Regard Omens Seriously—Luck Bringers. This is an age of mascots—which, by the way, is really a French slang word applied to any person, animal, or thing which appears to be abnormally lucky.

Among the enormous numbers of men employed by the companies there must be sleep sheep. The worst of these systematic robberies are committed by these men. For more than a year robberies on a large scale went on at a western station. At last the railway police got a clue which led them to examine the houses of four express men and a brakeman.

NEW NATIONAL POLICY

The "Vancouver Sun" urges that a "New National Policy" be needed in Canada. The object of this policy would be to place on our vacant arable lands a part of the population which now finds it difficult to make a living in the city. There is no doubt that there is room for millions of farmers on the available agricultural lands in this country.

REASON FOR PRUNING TREES

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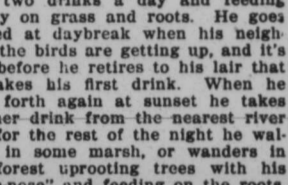
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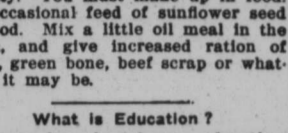
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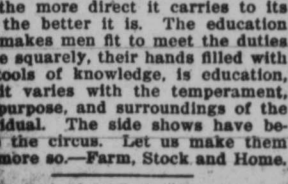
No beauty is the rhinoceros, but next to the elephant he is the biggest and most powerful of four-legged beasts. An astute hunter is the homely old rhino, allowing himself only two drinks a day and feeding lightly on grass and roots.



After Being Strenuous Partisan Dr. Sproule Won New Fame. Not the least notable of Dr. Sproule's achievements as Speaker of the Dominion House of Commons was the abolition of the bar, metaphorically speaking, at the Speaker's reception.



Henry McRae is a moving picture producer who does big outdoor productions. Because he never tires of work and because his people are so devoted to him that they will work many extra hours for him without complaining, McRae has gained the nickname of "Sunset" McRae.



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