



One of the secrets of Happy Home Life is to have your washing all done and the clothes out on the line before breakfast. You'll be able to do this easily and be able to say goodbye to your husband when he goes to work with a pleasant smile and in clean attire if you use a

BEFORE THE MAN OF THE HOUSE LEAVES

"1900 GRAVITY" WASHER

It's the handiest and quickest washing machine made; you can wash a tubful of the heaviest and dirtiest clothes in six minutes, doing it better than it could be done by a strong woman in an hour or more. Remember—if you use the "1900 Gravity," there'll be no hard, sloppy, dirty work, no danger of colds and rheumatism, no wearing and tearing your fine lines and lingerie, and best of all wash day will also be ironing day.

DON'T MISS THIS FREE TRIAL OFFER

We are the only people on the continent that make nothing but washing machines and that are willing to send a washer on

ONE MONTH'S TRIAL FREE to any responsible party—without any advance payment or deposit whatsoever.

Write to-day for our handsome booklet with half tone illustrations showing the methods of washing in different countries of the world and our own machine in natural colors—sent free on request.

Address me personally F. A. G. Baugh, Manager

THE 1900 WASHER CO., 355 Yonge Street, TORONTO, Canada

The above free offer is not good in Toronto and suburbs—special arrangements are made for this district.

We ship it free anywhere and pay all the freight ourselves. You wash with it for a month as if you owned it. Then, if it doesn't do all we claim for it, ship it back to us at our expense. Could any offer be fairer?

LOOK FOR THE LABEL ON THE TUB. None genuine without it.



HOW TO BUILD A GOOD FENCE

Everyone intending fence building should send for our folder on Erecting Fences. It's full of valuable information on fence building, tells how to erect woven wire fencing quickly and substantially, describes the manufacture of fence wire and has an article quoted from bulletin of U. S. Dept. of Agriculture on concrete post making, showing how these durable posts can be economically made at home. Don't fail to write for a copy. It's free.

THE BARNWELL BOXIE WIRE FENCE CO., Ltd. Dept. F Hamilton, Ontario. Winnipeg, Manitoba.



RUSH'S

U-Bar Steel Cattle Stanchion

(Patented)

Saves lumber and labor in fitting up cow stables. Saves time in tying cattle. Makes cattle more comfortable, and keeps them clean. Made in 5 sizes, of light, strong U-Bar Steel. Latch easily operated, but secure.

Write for booklet A.

A. M. RUSH,
Preston, Ontario.

LAND FOR SETTLEMENT!

Lands are offered for settlement in some cases FREE, in others at 50 CENTS per acre, in various districts in NORTHERN ONTARIO. Write for information as to terms, homestead regulations, special railway rates, etc.

HON. JAMES S. DUFF,
Minister of Agriculture,
Thos. Southworth,
Director of Colonization, Toronto.

WINTER TERM OPENS JAN. 4th.

CENTRAL Business College

STRATFORD, ONT.

Our school has a continental reputation for thoroughness. Our graduates succeed. We have three departments: Commercial, Shorthand and Telegraphy. Beautiful catalogue free.

ELLIOTT & McLACHLAN, Principals.

Souvenir Post Cards

The loveliest picture post cards ever seen in Canada. English and Canadian views. Only 20 cents a dozen. In the store they sell them at 30 cents.

W. Kreutziger, Waterloo, Ont.
DEPT. X.

Live Stock at Alaska-Yukon-Pacific Exposition.

The Live-stock Show of the Alaska-Yukon-Pacific Exposition will open at Seattle September 27th and close October 9th. An appropriation of \$100,000 has been made for premiums in this department, and it has been arranged to bring the best live stock from the largest shows in the United States to Seattle during the closing period of the 1909 World's Fair. Two live-stock show circuits will close at Seattle. The main circuit will bring blooded stock from the shows at Hamline, Minnesota; Fargo, North Dakota; Helena, Montana; Spokane and Portland. The Southern circuit, which opens at Sacramento, California, and shows in Salem, and Portland, Oregon, will also close at Seattle on the same dates.

Classifications and rules governing the exhibiting of live stock, together with the premium lists, have been sent out to all parts of the United States and Canada in response to requests from owners and breeders of blooded live stock, and the large number of inquiries that have been received indicates a widespread interest in this branch of the 1909 fair. Approximately ten acres has been set aside for the stock-yards on the grounds of the Alaska-Yukon-Pacific Exposition. It is announced from Seattle that the Government of Canada will make a feature of live stock in its exhibit. The Exposition management states that it has received advices from the Canadian Exhibition Commissioner that Canada will erect a building covering a site 150 by 300 feet, to house its general exhibit, and that additional space will be required for its live-stock display.

At nearly all of the expositions held in the past, separate dates have been given for the live-stock and poultry shows, but at the Alaska-Yukon-Pacific Exposition the two will be combined under the live-stock show. In addition to the premiums offered by the Exposition in the poultry department, a number of Eastern breeders and firms engaged in the manufacture of poultry supplies have offered special prizes. These lists have been sent out to all parts of the United States and Canada, and already a number of requests for exhibit space have been received from breeders of fine poultry from all over the country.

Policeman—Come now, off the corner. Isaac Idle—Don't be hard on a poor man! I have had a checkered career. Policeman—Sure, it's your move now.

Fistula and Poll Evil

Any person, however inexperienced, can readily cure either disease with Fleming's

Fistula and Poll Evil Cure

—even bad old cases that skilled doctors have abandoned. Easy and simple; no cutting; just a little attention every fifth day—and your money refunded if it ever fails. Cures most cases within thirty days, leaving the horse sound and smooth. All particulars given in Fleming's Vets. Pocket Veterinary Adviser. Write us for a free copy. Ninety-six pages, covering more than a hundred veterinary subjects. Durable bound, indexed and illustrated.

FLEMING BROS., Chemists,
75 Church Street, Toronto, Ontario.

Dr. Bell's Veterinary Medical Wonder cures inflammation of lungs, bowels and kidneys. The 20th-century wonder. Agents wanted in every county. Write for terms.

DR. BELL, V. S. Kingston, Ont.

Shetland, Welsh and Iceland Ponies

I have on hand a number of single ponies and matched pairs; all ages; thoroughly broken to harness and reliable in every way.

E. DYMENT, Copetown P.O. and Sta.

Scientific knowledge is sometimes negligible. "My boy," said the kindly English rector to the hobbledy of a youth who was picking mushrooms in the rectory fields, "beware of picking a toad-stool instead of a mushroom; they are easy to confuse."

"That be all right, sur, that be," said the urchin, "us hain't a-goin' to eat 'em ourselves; they're goin' to market to be sold."

10c. The latest success.

Black Watch

The big black plug chewing tobacco.

QUESTIONS AND ANSWERS. Miscellaneous.

BOILED TURNIPS AS HOG FEED—CORNCOB AS MANURE.

I would like to know what feed value there is in Purple-top turnips, boiled and mixed with other feed for pigs; also what manure value there is in corncobs, drawn right from the elevator to put on the land?

W. C. M.

Ans.—1. Turnips, like potatoes, are improved for hogs by boiling. Boiled and mixed with meals they have a very fair value as hog feed.

From the standpoint of chemical composition, the manurial value of corncobs would correspond roughly to that of wheat straw. To quote figures, we have the comparison expressed as follows:

	Fertilizer ingredients in 1,000 pounds.		
	Nitrogen.	Potash.	Phosphoric acid.
	Lbs.	Lbs.	Lbs.
Wheat straw..	5.9	5.1	1.2
Corncobs..	5.	6.0	0.6

If we were to rate these fertilizing ingredients, at commercial valuations, the nitrogen, potash and phosphoric acid in a ton of corncobs would be worth about \$2.65. However, while the chemical calculation is as above, we would not suppose that the actual return in crop from the use of corncobs would justify such a valuation. The somewhat tardy availability of the fertility in the cobs, and the mechanical difficulty of incorporating them readily with the soil, are points against them. Probably their value might fairly be set down as about equal to that of wheat straw and somewhat less than that of ordinary farmyard manure. While they carry a considerable proportion of nitrogen, they are somewhat deficient in potash, and particularly so in phosphoric acid.

SAWDUST AS MANURE—FALSE-FLAX-SEED MEAL.

1. What is the value of sawdust as manure, to be used as bedding?
2. How should it be treated in the manure to get the best results? Should it be left to rot well before being put on the land, or should it be put on fresh?
3. What is the feed value of wild-flax meal as compared with other flax, and in what quantities should it be fed?

SUBSCRIBER.

Ans.—1. The value of sawdust as a manure consists chiefly in its capacity to absorb and retain manure liquid when used in the stable or barnyard. So far as the wood fibre itself is concerned, its value to the soil is very problematical. On heavy clays it may be beneficial in opening up the particles of soil, but in light soils a large quantity of sawdust might be a disadvantage by keeping them too open.

2. So far as the sawdust is concerned, it might be rendered slightly more valuable for any but heavy soils by being allowed to rot before application, but when it has been used as an absorbent, this is not advisable, for the reason that the fermentation would cause waste of the fertilizing elements in the manure. For this reason it is better to apply all manure as promptly as convenient.

3. Our correspondent undoubtedly refers to the weed false flax (Camelina sativa), the seeds of which have been used as food on account of their mucilage and oil, both of which resemble those of linseed. The plant has even been cultivated for these products in Germany and France. We cannot, however, give a precise comparison of its composition with that of linseed. If our inquirer has a quantity of false-flax seed he would do well to have it ground, or at least soaked, and feed mixed with other meal, in small quantities.

Piano-mover (reading paper, excitedly)—Great cats! Bill, here's where you an' me will soon be holdin' down a park seat if the union can't suppress this labor-savin' device.

Assistant—What's the scare?

Piano-mover—Why, these here spiritualists are movin' an' hoistin' pianos without touchin' them at all!