(Furnished by the Ontario Department of Agriculture)

Beautifying the Farm Home

Every unimproved or unembellished home in Canada can be made more attractive and more valuable by the planting of trees, shrubs, vines and flowers and a well-kept lawn. The cost of the nursery stock is one of the most profitable investments a farmer can possibly make, because such improvements will actually increase the money value of the place many times the amount spent in a simple plan of home planting.

Good Hoppers Needed

The annual waste of mash through the use of poor hoppers is enormous. While you are getting everything in readiness or the coming year, see that your hoppers are in good condition and that they are of the type that will not permit the wasting of mash. Supply at least two running feet of hopper space the farmer in combatting the per ten hens. The table type of thistle menace: hopper with a wire top keeps the hens 1. Vigorous mid-summer cultivation clean and wholesome and does not clog following having or harvest. as most of the wall hoppers do.

Potate Seed Important

The selection of seed potatoes should begin in the field the previous season. for virus diseases are detected only by the foliage and not by the tubers. Only good sized tubers should be selected for it. (Poorly drained land is most favdiseases such as mosaic and leaf-rol! means plenty of power). produce mostly small and unmarketable 6. Thorough cleaning out of the first ed along with those which have been tablished. subjected to mechanical injury.

Hay and Pasture Crops

The largest area of land used for growing pasture and corn occurred during the period 1914-23 or during the to swine and their presence in large years of the World War and five years quantities is destructive to profits. If immediately following. The greatest the swine have a good wallow hole they acreage of small grains and roots in can free themselves of the pest during Ontario was grown in the 19-year per- the summer, but without the assistance ficial fertilizers to increase the yield autumn and again in the spring. and improve the quality, and better management of these crops.

World's Grain Show

the World's Grain Show, during a re- self. Many a dairy farmer is not makcent visit to Ontario, stated that there ing as much money yearly as he thinks Canada during the show period.

Farm Drainage

scre returns from orchards and other can do this.

cultivated cash crops has stimulated this interest. Properly installed tile drains, while increasing production, lower the overhead cost per unit of commodity marketed. The greater ease with which the drained land can be worked further lowers production costs. The O. A. C. Department of Drainage stands ready to assist the farmers by making drainage surveys, inspection of drainage work installed, the securing of machines where possible and any advice needed by the individual farmer in securing loans under the Tile representative or by writing to the Department of Drainage, O.A.C.

Fighting the Sow Thistle

Prof. Howitt of the O. A. C. recommends the following practices to assist

from walking in the mash, keeps it during the dry,hot weather immediately

2. The use of smother crops such as sweet clover, rape and buckwheat. These are very effective when properly handled.

3. Short crop rotations which give

ing three ounces or over. Observations immediately after haying, especially if show that plants affected with virus the ground is very dry and hard. (This

tubers. All potatoes showing traces of small patches that appear on the farm, disease and of frost should be discard- to prevent the weed from becoming es-

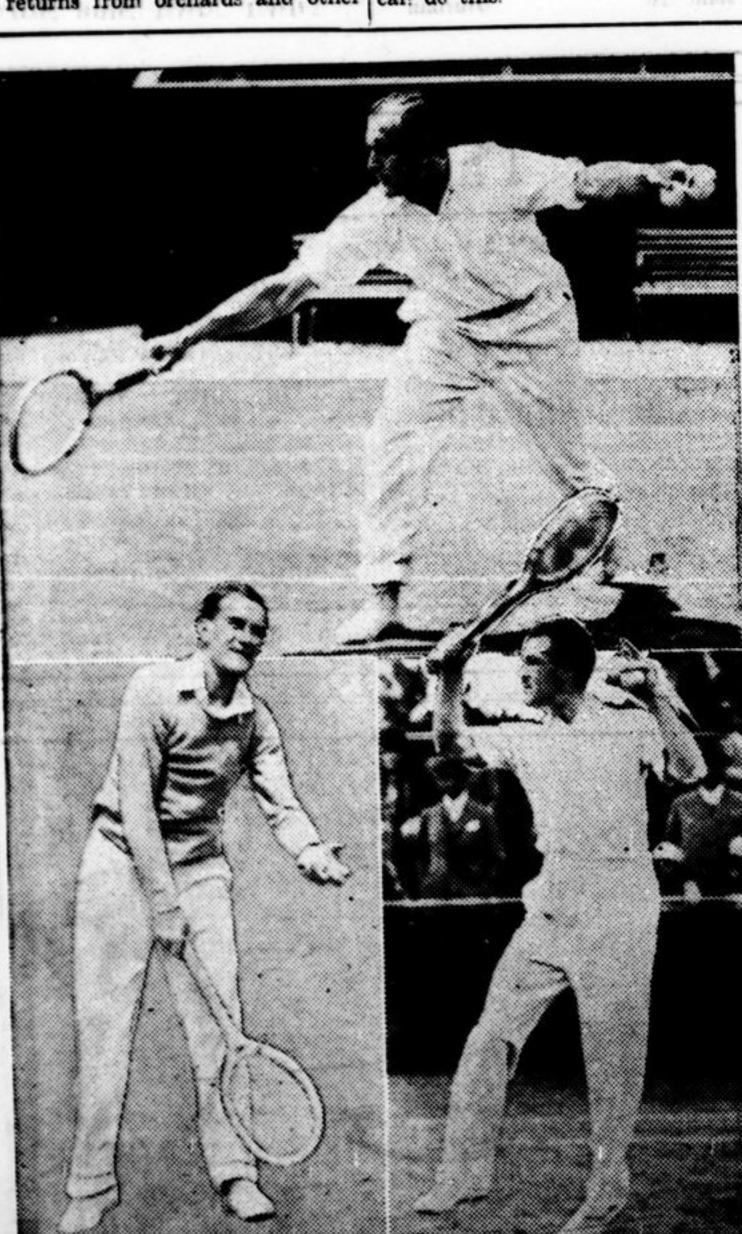
7. A determination not to be beaten by weed or devil.

Protecting Swine

Vermin cause considerable annoyance iod 1894-1903; and of potatoes and hay of a wallow, some other aid must be in the period 1924-8. Although hay and given or else the lice will flourish. The pasture crops have increased in area application of crude oil to the pig's skin during the recent years, there has been will make the lice let go. The crude oil purpose. Much improvement is still when the pigs rub against it or it may possible in the hay and pasture crops be applied with an oil can. A good into vapour every second. through the medium of selection and time to do this is when the pigs are hybridization; the choice of the most standing at the feed trough. Colony valuable varieties to use in hay and houses should be well sprayed with a pasture mixtures; the first use of arti- two per cent solution of creolin in the

Herd Depreciates

In a discussion of the costs of dairy farming an item is often overlooked J. A. Mooney, managing director of that should be mentioned—the cow itis a surprising interest growing in he is because of the depreciation in the Canada and in foreign countries in value of his herd. The useful life of a this event, which will be held in Regina cow is not very long. The troubles from July 25th to August 6th, 1932. which occur in every herd, such as From enquiries he has estimated that abortion, non-breeding, udder troubles, between fity and sixty countries will take a larger toll than is thought posparticipate. The executive is receiving sible without records for guidance. A requests from national and interna- study of the situation shows that the tional institutions to be permitted to average cow remains in production for hold their conventions in Western about five years. Allowing ten months milking per year, this limits the average useful life of a cow to 50 months. During this period the cow has to pay all Tile drainage of land is receiving in- costs of feed, labor, housing etc., besides creased attention in Ontario. The high a profit to the owner. Only good cows



THE MEMBERS OF CANADA'S DAVIS CUP TEAM Above are action shots of three of the tennis players selected by the Canadian Lawn Tennis Association to represent the Dominion in the forthcoming Davis Cup series against the United States. Top is Willard Crocker, second ranking player, who will probably play in the doubles, while below, left and right, are Marcel Rainville, whose sterling tennis gained for him the undisputed right to play in the matches at Philadelphia, and Dr. Jack Wright, Canadian champion, who will

How to Stop Early Swarming

For beekeepers it is all important to

have each colony at maximum strength

in time for the main honey flow. To do this, careful management of the colonies in the spring and early summer is required. Al! manipulations in the and as the spring advances and new effect but little change. nectar and pollen are coming in the of the brood chamber.

SOME WATER FACTS

It takes 39.84 tons of water to produce 1 bushel of wheat; 21.8 tons of water for 1 bushel of oats; 1,106 tons of water for 1 ton of corn ensilage; 1,379 tons of water for 1 ton of sunflower ensilage; 2,326 tons of water for ton of 1st-cut Brome hay; and 1,222 tons of water for 2nd-cut Brome.

a unique crop paradox.

would be produced by the combustion are at best a minor feature of this of 5,000 tons of coal.

Nature's way of making rain for the of most of the crops grown for this rubbing post equipped to deliver oil which is caused by the sun at a rate wer by close study of trade returns and

> "shower" months on the prairies. Summer-fallow will conserve from 25 to 35 per cent of rainfall moisture in the soil. The earlier summer-fallow-

ing is done the better the results.

moisture stored in the soil. certainty.

KEEPING THE FEED AND

(Experimental Farms Note)

laying and breeding stock it behooves million dollars annually to the Nova breeders to adopt every sanitary pre- Scotia Company.

being of the growing chicks. has become contaminated by coming in capital. contact with the droppings on the ground or through the drinking water that has formed puddles

the ground around the drinking pails. For this reason all feed and water consumed should be supplied either from hoppers for the dry mash or from troughs for the scratch grain and from elevated clean vessels for the drinking water. The roosting shelters, hoppers, troughs and water stands should be moved at frequent intervals so as to keep the chicks on fresh ground as much at possible.

For sketches of shelters, hoppers, or water stands write the Poultry Division, Centra! Experimental Farm.

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Our Ottawa Letter

ant factors in building up the colonies grows. Already the impression is well ing Imperial and economic conferences. tion that still stands.—Stratford Beaare good queens, abundant food, suffi- established that a budget which, at first There should be an election first, Hon. con-Herald. cient room and protection. Early in the glance, was regarded as the most radspring the queens start their egg-laying ical since Confederation, will in reality

There were three things which the number of eggs laid each day increases budget, on its face, purported to do. until there are between two and three In the first place it made a gesture of thousand produced every 24 hours. shaking the fist of tariff retaliation Twenty-one days after the first eggs under the nose of United States by the are laid, new bees are being added to adoption of countervailing duties, a the colony. New bees cannot be pro- device whereby Canada undertakes to particulars from your local agricultural duced unless there is, firstly, sufficient match increases which United States room for the queen to reach her max- may make upon a limited list of comimum egg production and, secondly, modities. In the second place it made enough food to feed the young bees. A a great show of protection and of adcolony may reach a feeling of strength opting wholesale Conservative princibefore the main flow commences and ples. The iron and steel industry of decide upon swarming during the the country had its protection increasdandelion and fruit bloom flow. This ed, the fruit and vegetable growers had is easily controlled by giving the queen their claims for consideration largely sufficient room for egg-laying by enlarg- met and their grievances over the desing the brood chamber and by giving truction of their markets by dumping enough super room so that surplus of early fruits and vegetables substannectar may be stored in supers instead tially recognized. The butter and egg producers received immediate protection against New Zealand and an assurance of the termination of the New Zealand trade arrangement on October Five years study of soil moisture and 12th next. Finally, after these protecchance to use hoed crops frequently. crop production by experts of the Do- tive features and the deliberate forsak-4. Under-drainage of lands requiring minion Department of Agriculture dis- ing of the tariff policy for which the close some interesting observations as Liberal Party has traditionally stood, planting and this refers to seed weigh- 5. On heavy clay soils, deep plowing to the relation between water and the budget advanced large claims to having extended the British Preference.

These provisions, then, give the budget in its main outline. There was, in addition, the reduction of the sales tax to one per cent, a change which will cost the government \$22,000,000 annually in loss of revenue, and there are also some adjustments in the income tax in order to exempt donations to char-More water is used to produce a ities and to make the same allowance bushel of grain from stubble land than for dependent parents, grandparents, from summer-fallow; and the latter a1- brothers, sisters, or adult children phyways contains more moisture—this is sically incapacitated, as for children. Co-operative societies are exempted To convert into vapor enough water from the income tax entirely, and some to give one inch of rainfall over 640 changes are made in the stock transfer acres of land requires as much heat as tax. The taxation changes, however,

year's budget. The question which political Ottawa world supply is through evaporation is asking and is endeavoring to anstective and British preferential features of the budget will have upon industry. months at the Pacific coast, are the Investigation so far suggests that the Conservative forces the cry has already been raised and statistics cited to support it, that Hon. Mr. Dunning has

brought down a "camouflage budget". Experts upon the iron and steel in-Weeds rob grain crops of needed dustry are inclined so far to discount moisture and their presence in fields the additional protection which has always results in lowered grain yields. been given it as insufficient for prac-It is not the amount of rain that falls, tical purposes. They go further, howbut the amount which is stored in the ever, and say that the last state of the soil which counts. In some years des- industry under the new tariff will be pite heavy rainfalls crop yields are worse than the first because, the rate light because of the small amount of under the British preference has been reduced. The British Empire Steel There is no way yet by which the Company serves a market which is amount of rainfall for a coming season cheaply reached by water from Britain, can be forecast with any degree of and it is prophesied that Besco will simply face intensified competition from Britain, without any guarantee that United States pressure will be les-WATER CLEAN ON THE RANGE sened. The one tangible benefit which appears to have been given to the iron and steel industry is the bounty of With the ever increasing danger of 491/2 cents per ton upon Canadian coal parasitic infection due to the inten- used in the manufacture of steel. It sive methods now in vogue in the rear- is anticipated that this provision may ing of chicks and the handling of the mean in the neighborhood of half a

With regard to the fruit and vegetcaution to ensure the health and well able growers, sufficient time has not yet Infection through the drinking water elapsed for a conclusion to be drawn. and feed, while on range, should be The current impression, however, that avoided by using stands for the feed sufficient has not been done for the troughs and drinking vessels, so that industry's security and at least one there will be no chance of infection deputation of protest is already on its through the consumption of feed that way from the Niagara peninsula to the

It is in the British preference feature, however, that the "camouflage" of the budget is declaredly most apparent. Tea is, indeed, placed on the free list. Tea traditionally was on the free list until the Great War. It was taxed as a war measure, a measure which survived 11 years after the conflict which inspired it had ceased. China and porcelain ware is another

item which will become cheaper for the consumer through being placed on the free list. Importations under this head reach close to \$4,000,000 annually.

On a long list of other items, however, the extension of the British preference is meaningless, except for "window dressing" purposes of the Finance Minister.

Altogether the budget is one of complex detail rather than broad principle. While time has not yet been sufficient to study out its full effects, particularly its effects upon secondary industries such as motor car manufacturing. which is an important customer of the stee! trade, this much is already evident, and it is the feature which is causing perturbation to the government's Western following: it is not a consumers' budget in the traditionally accepted Liberal sense. There are only a few relatively unimportant items calculated to reduce the price of commodities to the retail purchaser, whereas there are, contrary to orthodox Liberal doctrine, literally dozens of items of widely consumed foodstuffs upon which tariff charges are increased.

It is this departure from the professions of Liberalism and embracing of the principles of Conservatism that will probably constitute the Conservative Party's principal line of attack against the budget. Hon. Mr. Bennett, Conservative Leader, has already called for Finance Minister Dunning's resignation on the grounds that he has broken his own low tariff pledges to his constituorable to the growth of the sow thistle. ents. And the whole Liberal Party is

similarly charged with like breach of

The Conservative Leader pointed to the countervailing clauses as an attempt to commit the Canadian people to a "Made-in-Washington" election Hon. Mr. Dunning is already appre- policy and demanded to know if the apiary at this time are for the purpose ciating how brief is a Finance Minis- government which thus followed politiof producing bees to gather the harvest ter's hour of glory. Political Ottawa is cal expediency in preference to settled and to prevent them from splitting busy analyzing his budget, and as the policy should be permitted to represent forces through swarming. The import- examination proceeds the scepticism the Canadian people at the forthcom- must be as good as a New Year's resolu-

Mr. Bennett contended, and observers in the press gallery fancied that they saw the Prime Minister nod his agree-

General Smuts is probably unique among world statesmen in fighting records and practical peace-making attempts.—Toronto Globe.

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