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ment is something of a co-operative one. The buyer guarantees the home price and divides the profits. The home price for apples runs about \$1.10 to \$1.50 for 40 lb. boxes, and those shipped to England have netted about \$1.50 to \$2.00, while the Australian market promises to yield about \$2.00 per box for the whole consignment. A certified check is given to cover the greater percentage of the value of the shipment and there is no uncertainty as to the selling price, while in England apples are sold by auction on arrival.

Estimating the crops is an uncertain matter, but Mr. Hagar thinks B. C. will sell from forty to sixty thousand boxes of peaches this year, and next year about double this amount. Just now late cherries are being marketed, and are returning the growers good prices, about 10 cents per pound. The varieties are Olivette and Marilla. Plums and prunes are a very fair crop but the bush berries are not so plentiful. Fruit growers are practising industry and economy these days, as many of them are paying for their land, have improvements to make, and are awaiting the bearing time of their orchards and gardens. All, however are optimistic. There is no blight to mention and no insects.

With a slight increase in the output it is hoped that canneries will be established to take care of much of the tender fruits, as there is quite a loss when the market will not absorb it as fast as it ripens. The exchange proposes to endeavor to get canneries at Victoria Mission, Kootenay and Kelowna. Altogether co-operation and business methods seem to be working well for the British Columbia fruit growers.

Beekkeeping Queries

1. What is the most profitable number of racks to place in Langstroth's hives?
2. Which is the best kind of bees to keep for profit?
3. Which is the best color to paint hives?
4. Is it better to place full sheets of brood foundation in the racks, or are half sheets sufficient?
5. Which is the most profitable manner to dispose of honey, in 1-lb. sections, or extracted?
6. Can bees work all day on buckwheat, and does it in any way injure the bees to winter them on buckwheat honey?
7. Which is the best bee paper for a beginner to take? What do they cost per week?
8. What is the most profitable number of hives to keep in one apiary?

C. H. H.

Ans.—1. The ten-frame Langstroth hive is perhaps the best for general use when extracted honey is to be produced. The eight-frame hive is almost too small, and the twelve-frame has not yet come into general use, being considered by many as too large and unwieldy.

2. Pure Italians, bred for business, with color a secondary consideration. A dash of Carniolan blood is an improvement in some ways, but you can't make a mistake in starting with the pure Italians.

3. White. A hive painted a dark color, especially dark red, would become so hot if left in the summer sun, that the combs might melt down in it.

4. Full sheets are best. Racks (or frames, to use the correct word) should have two or three horizontal wires running through the middle of the frame at about equal distances apart, and these wires pressed into the foundation to prevent it "sagging" or stretching. If you cannot afford full sheets, use "starters," not more than an inch wide.

5. For a beginner, extracted honey is most profitable. Considerable experience is necessary to produce comb honey profitably, except in most favorable seasons.

6. As a rule, buckwheat yields nectar only in the mornings, especially in hot, dry weather. In warm, cloudy weather the flow may run well into the day. Well-ripened buckwheat honey is safe for wintering, providing no honey dew has been gathered with, or close following, it. It is hardly safe to take chances. Better give sealed combs of clover or basswood honey; or, better still, feed sugar syrup.

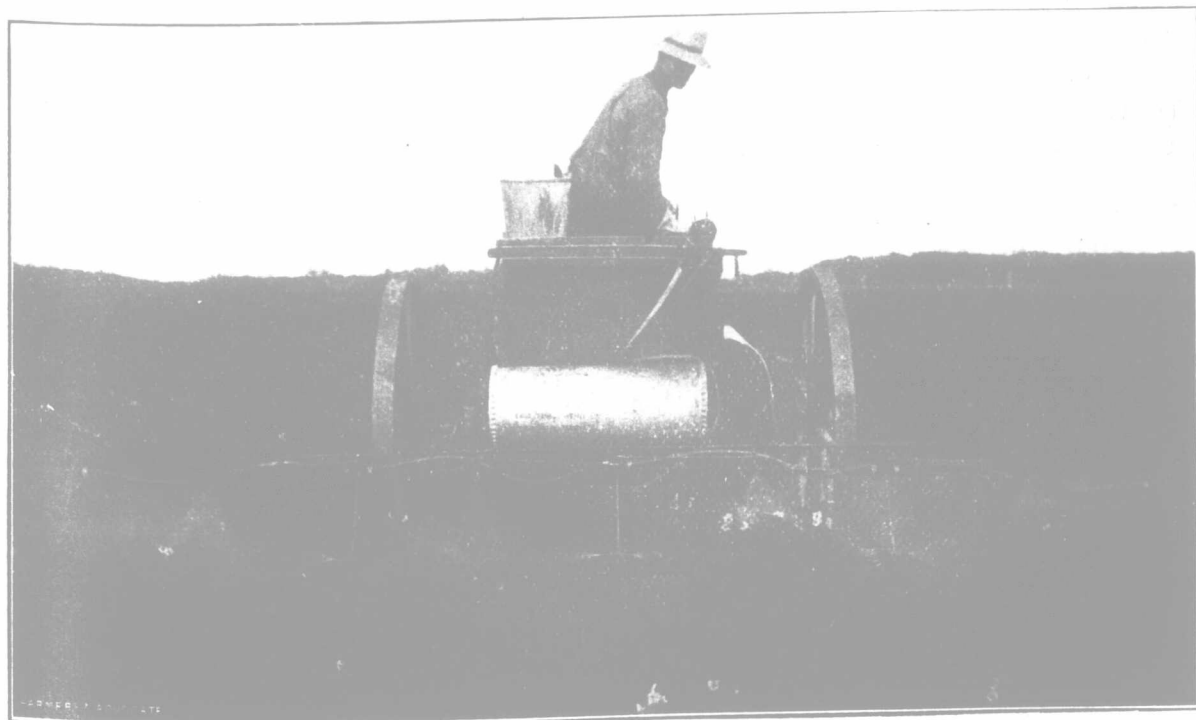
7. Read the Apiary Department of "The Farmer's Advocate," and the answers to queries that appear from time to time. The Canadian Bee Journal, Brantford, monthly, \$1 per annum, would be one of the most profitable investments you could make.

8. In a locality where there is plenty of bloom, a large acreage of alsike clover and buckwheat each year, perhaps a couple of hundred colonies would not be too many. On the other hand, if the growing of grain is the chief industry, with little clover, buckwheat, fruit, or wild land, possibly fifty colonies or less would overstock it. This is a question where a personal visit from an expert would be necessary to give a definite answer. If a small apiary does well, it is safe to add a few colonies each year until they show signs of being crowded for pasture.

Experiments are being carried on in the United States to determine whether the tongues of bees can be increased in length to such an extent that they will be enabled to extract honey from plants in which the honey is at present inaccessible to them. The results thus far obtained have been encouraging, a slight gain in the length of the tongue being noticeable from a single direct cross.

J. A. Hand who for the past year has lecturer at the Manitoba Agricultural College upon Field Husbandry (Principal Black's department) has resigned and since his resignation has joined the staff of the *Farmer's Advocate and Home Magazine* of London, Ont.

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POWER SPRAYER AT WORK ON THE POTATOES AT THE MANITOBA AGRICULTURAL COLLEGE

FIELD NOTES

Things to Remember.

- Horticultural Exhibition, Winnipeg, Sept. 3, 4 and 5.
- National Exhibition, Toronto, Aug. 29 to Sept. 14.
- Minnesota State Fair, Aug. 31 to Sept. 4.
- Victoria Exhibition, Sept. 22-26.
- New Westminster Exhibition, Sept. 29 to Oct. 3.

Events of the Week

A lawsuit has been begun in British Columbia over the ownership of some four million dollars' worth of coal lands in the Kootenays.

By defeating Elgin, at Winnipeg, on the 20th, the Rapid City lacrosse team, for the second time, won the intermediate championship of the Western Canadian Lacrosse Association.

Vancouver Island, B. C., has suffered severely by forest fires.

Twenty thousand people arrived or departed from the C. P. R. depot at Winnipeg in six hours on the 17th.

W. J. Bryan, the "great commoner," opened the presidential campaign for the Democrats at Des Moines, Iowa, on the 21st. Mr. Bryan made a logical, forceful argument for a lower tariff, showing that while the government had a large amount of money to distribute, it was all collected from the people, that there was no more necessity of "nursing infant industries," that "the foreigner" did not pay the tariff, and claimed that as the Republican party and the protected interests had always been mutually helpful, the Democratic party was the only one to institute tariff reduction.

The Congo Free State, South Africa, which in recent years has been practically autocratically ruled by King Leopold, of Belgium, whose rule, by the way, has been quite remarkable for cruelty and gore, has been annexed to Belgium, whose Legislature will be responsible for conditions in the colony.

As a convenient means of disposing of some 5,000 prisoners, the Sultan of Morocco had them massacred.

A report comes from London that certain financiers have undertaken to see that the British Government will have plenty of money to maintain her naval supremacy up to \$500,000,000. This report should have had the effect of convincing King Edward's fellow-monarchs, among whom he was visiting when it appeared, that it would be better for all concerned to reduce armaments.

The members of the Northwest Grain-dealers' Association, who made a run through the grain belt, estimated the total crop yield at 110,000,000 bushels.

A boating party of two young Winnipeg men and a young lady, who went out for a sail on Lake Winnipeg, on Aug. 17th, was lost without leaving a trace of their remains.

Because a by-law to raise an additional \$25,000 was defeated in Carman, Man., the mayor and council all resigned.

Springfield, Ill., has had a desperate race war. The trouble began with a negro assault on a white woman, followed by an attack by a white mob on the negro quarter. Several people were killed and many injured before the militia could restore quiet.

Rueben Fax, known to all theatre-goers as "Posty" in "Beside the Bonnie Brier Bush," died at New York on the 15th. Mr. Fax was born at Brantford, Ont., and was in his forty-second year.

An Indian war has been narrowly averted in the Yukon by the bravery and promptitude of the mounted police. Like the civilized peoples' quarrels, there was a woman at the bottom of the Indians' trouble.

A theatrical trust has been formed to control all the theatres in one-night stands in the Canadian West, Northern Minnesota and North Dakota. This is quite distinct from the merger recently announced that has control of the best theatres.