has been called physiological disease, and

could therefore be put into the same class

been greatly injured by the presence of a

large number of Leaf Curl plants. If the

aic or yellow disease, one would suspect

that it is carried either by insects or

Although too little is known about Leaf

Curl to advise a sure means of control,

one should always remove the affected

plants as soon as they show signs of

disease. They are of no use in any case

and are likely to spread the disease to

other parts of the plantation. In taking

out Leaf Curl plants, one should be care-

ful to get the whole of the root system

otherwise the parts that are left will start

to grow and produce new shoots which

will also show Leaf Curl. It is possible

that some of our Leaf Curl originates

from nursery cuttings and some care

should be taken when setting out a nev

BRITISH CASUALTIES REPORTED

IN MAY

London, May, 31.-Casualties in the

British ranks reported during May reach-

ed a total of 166.802. The losses were

Killed or died of wounds-Officers, 1,536

Wounded or missing-Officers, 6,182;

British casualties reported week by

week have recently been running over the

40,000 mark, evidently representing the

losses sustained during the heavy fighting

that started with the beginning of the

German offensive in March. The total

the lists apparently did not begin to re-

flect fully the effects of the casualties sus-

tained in resisting the German thrusts in

Picardy and Flanders until the beginning

He-"I'm curious to know how you

manage to spend so much money." She

-"I wouldn't be, my dear; I might get

She-"What did papa say when you

curious to know how you can make so

plantation, to avoid this disease.

divided as follows:

men, 20,517.

men, 138,566.

of May.

pruning operations.

#### CONTROL OF SWARMING

(Experimental Farms Note) ONE of the greatest problems in bee-keeping to-day is the control of swarming. It is natural for a strong colony of bees to swarm in early summer when honey is coming in, but the breaking up of the colony cuts down the honey yield; while watching for and hiving swarms takes a great deal of the beekeeper's time, and the swarm may escape notice and fly away.

The methods of controlling swarming that have been tested at the Central Experimental Farm, Ottawa, fall under

(1) General measures. Partly shading the apiary; providing a large entrance with deep space between combs and floor; giving plenty of room in the brood chamber and supers; and young queens. These measures, while valuable, have been found insufficient in themselves to prevent the bees from raising queens in preparation

(2) Manipulations to prevent more than one swarm. The queen's wings are clipped, preferably during fruit-bloom and when a prime swarm issues and is still in the air, the queen is picked up from the ground and placed in a cage, and the hive is removed to a new stand. A new hive containing the caged queen is then placed on the old stand to receive the returning swarm, the queen being liberated later. The field bees join the swarm, leaving the parent hive so much weakened that it is not likely to swarm again. To make certain of this, however, the parent hive may be merely turned around and not removed to the distant stand until five days later. This method of swarm-control necessitates immediate attention when the swarm issues, but, as manipulations are simple, they can often be carried out by the home folks should the beekeeper be

(3) Manipulations to prevent swarming altogether. At the time of writing, none of the manipulations that have been tried has succeeded except the cutting out of all queen-cells every seven or eight days, travel by any railway, steamboat, or other and this failed during a heavy honey flow from clover at Ottawa in 1916, when the bees raised queens from worker larvae, and swarms issued before the queen cells were capped over. It has, however, been found possible to prevent swarming in outapiaries, forty miles north of Ottawa, by this means, although it entailed weekly visits from the middle of May until the middle of August, and much time was spent in examining each colony.

Experiments in the control of swarming are being continued, especially along the following lines, which seem the most pro- while he is unregistered, shall be guilty the first three items in the cost would be in my family."—Baltimore American:

ny of these will a

swarming under some conditions. (2) Finding means by which the broad tration at the time, have incurred.

### SINGER SEWING MACHINES

131 WATER STREET

chamber may be easily examined without lifting off the supers. A hive in which the brood combs are in a rack that can be drawn out sideways is being tried.

(3) Endeavoring to breed a strain that will not swarm, of which the preliminary step is to find out if the non-swarming character shown by some queens is inherited. A queen showing this character was found to retain it the following year.

### PENALTIES FOR OMITTING TO REGISTER

Don't fail to register on June 22. The prescribed in the regulations :-

(a) He shall be guilty of an offence, and and to imprisonment for any term not further penalty of ten dollars for each day after the day when he should have registered during which he shall con-

finue to be unregistered;
(b) He shall, for so long as he remains unregistered, forfeit his right and be disentitled to vote at any Dominion election; and if he fail to register within thirty days after the time when he should have registered he shall forfeit his right and be disentitled to vote at the next Dominion general election;

(c) He shall, for so long as he remains unregistered, forfeit his right and be disentitled to obtain or continue in any employment, or to receive or earn any salary, emolument, or wages:

(d) He shall, for so long as he remains unregistered, forfeit his right and be distitled to the services of any person in his employment, although he shall nevertheless remain liable fof any salary, emolument, or wages earned by such person during that time;

(e) He shall, for so long as he remains unregistered, forfeit his right and be disentitled to purchase, receive, or have in his possession any railway, steamboat, or other public conveyance ticket, other than a tramcar or street car ticket, or to public conveyance, except a tramcar or street car, unless for the purpose of any Value of 100 pounds mutton prosecution of execution of sentence under these regulations;

(f) He shall, for so long as he remains unregistered, forfeit his right and be disentitled to board or lodging at any hotel, public house, inn, tavern, club, restaurant, or boarding house;

(g) Any person who employs or confinues him in his employment while un. two lambs were raised practically the registered, or pays him any salary, emolument, or wages in respect of any period at the end of the year. In such a case He-"He asked me if we had any insanity of an offence and liable to a penalty cor- split between the two, thus reducing the (1) Testing systems of raising brood to responding in character and amount to cost to \$5.09 per hundredweight and inhimself shall by reason of his non-regis-

### **NEWFOUNDLAND PAPER**

Machines all makes cleaned and repaired the police officers who carried out the realized. government orders, alleged for unlawful EDGAR HOLMES SHOE STORE entry upon its premises. The case will come before the supreme court on next



# Two Questions

With so many low-priced so-called anti-skids obtainable, would that great host of motorists pay more for Dunlop "Traction" Tread if they could get its merits elsewhere?

Also, would that other large list of car owners buy --- "SPECIAL" --if tires which somewhat resemble it in appearance resembled it in efficiency?

THE COST OF MUTTON PRODUCTION

(Experimental Farms Note)

HE scarcity of wool and meat has reeding industry in Canada, and once it ecomes again firmly established as a coming from it are fully recognized, the writer feels confident that it will not again go into decline.

This class of stock, while enjoying the full the benefit of the increased high prices of the products produced, is profollowing penalties for the defaulters are bably the one which has been affected the least by increased cost of production (a) He shall be guilty of an offence, and shall be liable upon conviction to a classes of stock. This is due to the fact penalty not exceeding one hundred dollars, that the feed cousumed consists largely of home grown roughages and grains, thus eliminating, to a large extent, the purchase of high priced concentrates. It is also due, in part, to the fact that very little labor is required to handle a flock, so that the increased price of labor has not the same effect.

To arrive at the cost of mutton production many factors must be taken into consideration. It may be safely consideration ed that the value accruing from the manure produced and weeds destroyed fully offsets the labor expended. From the records of the breeding and feeding work at the Central Experimental Farm, the remaining factors in the cost of production of year-old mutton may be tabulated as follows:-

Cost of feed in maintaining ewe from weaning of one lamb to weaning of next

nterest on value of ewe (\$3.00 at 6%) service charges and maintenance of ram Cost of feeding lamb from weaning till finishing

at one year old

\$13.87 Wool from ewe (7 pounds at 4.20 reported during April was only 52,475, as 60¢ per lb.)

Cost of 120 pounds mutton Spring 1918 Cost of 100 pounds mutton

Profit per 100 pounds \$9.69 This is a profit of \$11.63 per lamb if but one lamb is raised per ewe.

The above figures are based on an increase of one lamb per ewe. Where much."-Puck. same results in weight may be expected told him you wanted to marry me?"

of overhead charges or depreciation, but these items may well be overlooked as they are almost negligible in sheep rais-Can now be purchased at my Store for I have taken the Exclusive Agency for Eastport—Lubec—and this vicinity, and no matter how old—or out of repair your machine is, I will make you a liberal allowance for it on a New Singer. 3 Ply Roofing, \$3 Per Roll. Needles—Belts—Oil—Shuttles and new Parts for Any make. Sewing Machines all makes cleaned and repaired Machines all makes cleaned and repaired the police officers where the constraint of the government of \$30.00 per ewe, the same may be looked for under Eastern conditions, while under Western conditions even greater dividends may be will be police officers where the constraint of the fact that so little is required in buildings or equipment. Moreover, the estimates are conservative, and though they show a return of at least 38.8% on the investment of \$30.00 per ewe, the same may be looked for under Eastern conditions, while under Western conditions even greater dividends may be with the police officers where the constraint of the same may be looked for under Eastern conditions even greater dividends may be constraint.

### RASPBERRY LEAF CURL

(Experimental Farms Note.) N the interests of market gardeners and small fruit cultivators, this note on Raspberry Leaf Curl has been prepared at the Field Laboratory in Southern Ontario at St. Catharines, and is issued by he Central Experimental Farm, Ottawa.

This disease has been known for some ime both under the above name, as well as under the name of Raspberry Yellows. Since the curling of the leaves is the most outstanding feature in connexion with the disease, it is preferable to use the term

Raspberry Leaf Curl The disease effects the leaves and shoots and is often confined to a single bush or part of a bush, some of the shoots being perfectly normal and others with the leaves affected. The affected shoots, instead of producing normal large, broad leaves, bear leaves which are conspicuous, ly small and badly curled downwards. In the early stages this sympton is not so pronounced, and while a small amount of curling may occur then, the disease is more noticeable on account of the yellowing which takes place during the summer because of the unhealthy state of the foliage. Since yellowing of the leaves may be due to a number of other causes, such as wet feet, poor soil, drought, etc., it is best to determine the disease mainly by the Leaf Curl symptons.

In the advanced stages, the canes bear no fruit. When first attacked, they flower almost normally, but the fruit is small and dry and shrivels up before ripening, so that little or no fruit is ever preduced from an infected bush. Of the three varieties which are commonly grown in the Niagara district, Cuthbert, Marlborough, and Herbert, the Herbert seems to be freest from the disease. The other two varieties are quite susceptible but one rarely sees signs of Leaf Curl in the Herbert.

So far as is known the disease is not due to any parasitic organism. It apparently belongs to that type of trouble which

linard's Liniment Lumberman's Friend

### CANADIANS HONORED

with peach yellows and little peach, and the mosaic diseases of tomatoes, tobacco, London, June 3-Several Canadians are mentioned in the King's birthday honors potatoes, and so forth. No records are issued by the Colonial office yesterday. available as to how the disease is brought into the field in the first place, nor how it It is also announced that the list of is transmitted from one plant to another. It undoubtedly does spread once it becomes established in a plantation, and

Sir George Foster, Minister of Trade and Commerce, is made a Knight of the disease corresponds closely with the mos- Grand Cross of St. Michael and St. George. Hon, Richard Stuart Lake, Lieutenant-Governor of Saskatchewan, is made a Knight Commander of St. Michael and St.

> ster of Marine and Fisheries, and now Chief Justice of the Supreme Court of New Brunswick, is made a Knight Commander of St. Michael and St. George.

medical officer to the Duke of Connaught, Island man.

appointments for the Order of the British Empire for the dominions has been defermany fine plantations are known to have red until next September.

Hon. John Douglas Hazen, former Mini-

Lieutenant-Colonel Sir Edward Scott

is made a Knight Commander of the Royal Victorian Order.

Hon. Hormisdas Laporte, of Montreal, is nade a Knight Bachelor.

Those made Companions of the Order of St. Michael and St. George are: Austin Ernest Blount, clerk of the Senate: John William Borden, accountant and paymaster-general of the Canadian militia department.

Companions to the imperial service order named are: Francis Kent Bennett, assistant clerk of the Canadian privy. council; Ernest Frederick Jarvis, assistant deputy minister of militia.

Knight Commander of the Bath-Major-General Henry Edward Burstall,

Captain Bert Kemp, of Toronto, is given the Distinguished Flying Cross. Sir Owen Phillips is also made a knight

of the Grand Cross of St. Michael and St. John William Borden is a younger brother of Sir Robert Borden. Austin

Ernest Blount is a native of Stanstead. Worthington, formerly of Toronto, and Que. Ernest Frederick Jarvis is a P. E.

They

There's

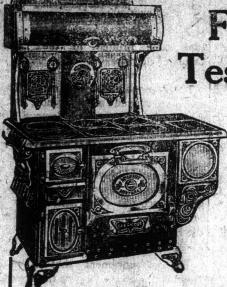
The ch

The par

They

by the low

and imp Clear chee the v



## Four-Way Tested Range

When you buy a range why not have the Kootenay?tested four ways for:

Easy Management Economy of fuel Durability Best results.

Full information about the Kootenay Range will be sent FREE upon request to our nearest Branch Office.

# Mc Clary's Kootenay

London Toronto St. John, N.B. Calgary

We Carry in Stock THE MOST COMPLETE LINE OF

Light and Heavy HARDWARE

> Paints and Varnishes Mill, Plumbers' and Contractors' Supplies

> in the Maritime Provinces-Some Say in Canada.

All orders by mail or telephone will receive the same prompt attention as though you came in person. If you are a customer you know what our delivery service is; if you are not, become one and see how well we can serve you. Our prices are no higher than good quality goods ought to cost. 5 5 5 5

T. McAvity & Sons

Saint John, N. B.