

of surface roots instead of the long, straight roots desired.
The Comet and Victoria strains of ascleps may be sown this month in boxes in the house and transplanted as soon as large enough. Better results are obtained by using colors than by buying the mixed seed, although the mixed seed will do.

Have you planned to let the small boy of the family have at least one acre of land to plant and care for, with the privilege of using the money he may make from the products as he may wish? Try it. The plan has paid with others and it ought to do well on your farm.

Pruning at Planting Time

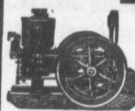
J. H. Hare, B.S.A. Ontario Co., Ont.
In this district many of our best growers have an erroneous idea of letting the young trees grow a couple of years without pruning. In order to prove the benefit of pruning the trees at the time of planting, an experiment was conducted in our county, in which part of the trees were

Dormant Spraying for Fruit Trees

Now is the time for all fruit growers to begin thinking about applying a dormant wash to their plum and apple trees. This spray should be applied while the tree is still dormant because if applied after the buds are open considerable injury may result, since the materials used are a great deal stronger than those used later in the season. A thorough spraying with a good dormant wash at this time is especially effective, and almost indispensable, against such diseases as apple scab, brown rot of apples and plums, plum pocket and scale insects.

It is a well known fact that the spores of the various diseases may live over the winter on fallen leaves and fruits, and on the branches, in cracks and wounds. Not only the spores have to be taken into consideration, but also the fungous threads, which, after once having gained entrance into the small twigs and

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A "Small Fruit" Garden, Such as is Possible on Every Farm in Canada.
Small fruits—currants, gooseberries, raspberries—etc., may be grown in every farming section of Canada if hardy varieties are selected. This makes the bush fruits of particular value in those sections where the tree fruits have not yet been successfully grown. The garden here illustrated is on the farm of Mr. A. Young, Chateaugay Dist., Que. Mr. Young's son, who makes the garden his special charge, may be seen in the illustration.

—Photo by an editor of Farm and Dairy.

planted just as they came from the nursery while the limbs of the others were cut back to six or eight inches from the trunk.

On the unpruned trees there was almost no growth of wood, the leaves were small and had a dried up appearance and were only about one-half the usual size. The trees appeared to suffer greatly from drought, and did not look healthy. In fact, the owner feared that he would lose them entirely, and the greater number of them were pruned about the middle of August. This seemed to revive the trees to a considerable extent as they put forth new growth. This growth, however, was very soft, not ripening up well and it is doubtful if it will stand the winter.

The trees which were cut back made a vigorous growth of 15 to 16 inches, did not appear to suffer from drought and went into winter quarters with the wood well ripened up. From one-half to one-third the growth should be taken off each year in order to make a good stout vigorous foundation for the trees.

The past has shown the apple buyer that he cannot sell the poor grades of apples.—P. J. Carey, Dominion Fruit Inspector.

It is best to stand foliage plants out of doors during the hot summer months in partial shade. Under the shade of trees, if not too dense, or on the north side of a fence or building is the best place for them in summer time. A layer of coal ashes or a sprinkle of air-slaked lime should be placed for the pots to stand on to keep earth worms out of the pots.

branches, persist for years, thus maintaining a constant source of infection. This is especially true of plum pocket and the brown rot fungus.

Pruning must, therefore, be resorted to.

COVER SOURCES OF INFECTION

Where a large branch must be cut out the resulting wound should be covered with white lead, or any other suitable material in order to prevent infection from spores. It is important that all fallen leaves and fruits be raked up and destroyed, since it is from these sources that the spores are liberated and blown onto the trees, thus causing infection.

The idea then, of spraying at this time with a good strong fungicide, is to cover the trees with the solution so that when the spores fall on them and the conditions for germination are favorable the germ tube sent out by the spore coming in contact with the poison will be killed. If spraying were delayed until after the flower buds open and the leaves unfold the primary infection will have taken place and the spray will be of less useful value.

A CHOICE OF MIXTURES

Mixtures recommended as dormant washes are: (1) a copper sulphate wash, consisting of three pounds of copper sulphate crystals dissolved in 50 gallons of water; (2) a lime sulphur wash, consisting of 15 pounds of flowers of sulphur, 30 pounds of best stone lime and 50 gallons of water; and (3) commercial lime-sulphur wash, consisting of one part commercial lime-sulphur to nine parts water.

A Big Crop A Good Market



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