truit, and stain-

ce to my fresh

William Blake.

male headgear

ED SINKS

te, \$6.00

# REMOVING TEMPORARY TREES

BY F. C. SEARS.

sooner or later to the time when we cut saw. this job does come it is often a very move the tree, root and branch, and serious problem.

decision in the matter; the kind of But we have found that pulling out trees, peach, pear, apple or cherry; half the trees in the orchard, which is the variety; the type of soil on which what the first thining usually consists the trees are growing; the age and of, is almost certain so to disturb the size of the trees.

salvage the trees and move them on you will injure the roots of those adto new land to start a new orchard, joining trees. of merely to get them out of the orch- In avoiding this difficulty we either ent trees which remain.

interesting, more expensive, and very alternate row. much less frequently used; in fact, it The latter is probably the better sois comparatively rarely attempted. lution of the problem, for it gets all Yet when conditions are right it is the tops of the trees out of the way perfectly feasible, as the writer knows so that they are not interfering with from experience, and is the quickest the adjoining trees; and it allows for and cheapest way to get a bearing thorough cultivation of every alter-

periesce the following would seem to other intervening spaces. be the important points in determin- We have found that the best way to ing whether it will be profitable to get the stumps out when the time armove trees of this type.

that the trees can be transferred stake to which to attach our tackle. In their wild state to such practical ham, assistant entomologist at Fred-though food may be kept quite satistic the vegetables are covered with ten condition. The soil of the field on other three manage the tackle. be reasonably moist.

of starting an orchard in this way on come to be pulled—rush the front end himself that he can realize larger protawa, shows that the beetle was first with little or no air, the temperature quarts; spinach, 12 quarts; string soil which is dry and gravelly, for of the tackle forward and fasten it fits per acre from the growth of drug noticed at Windsor, Ont., in 1870, and from 35 to 40 degrees Fahrenheit beans, 20 pints; corn, 10 pints; aspareven on the best soils trees have a with a short chain to the next tree as fight to get enough maintain to the next tree as dusts he would be unwise to attempt to get another the get and cauliflower have agus, 8 quarts; lima beans, 6 pints;

parently very important. In our exhis team around everything is in ever, he can run no risk by devoting a Western Ontario. In 1873 all but the squash and pumpkin require a wrmer the price of sugar. I like to put up perience McIntoch is particularly shape for him and out comes the next small plot of about an acre to drug-northern part of the province had explace, one from 45 to 60 degrees Fah- 75 quarts and to make 100 glasses of Wealthy following in the order named, and the last one not very satisfactory.

Third. The age of the trees should day—pretty good progress. be considered. Every year added to ten years reduces the feasibility of the plan. The trees are larger, more costly to handle and recover less quickly and surely.

Fourth. The distance that the trees have to be moved is of importance, since every rod one has to go adds to the expense.

Fifth and last, the condition of the tree as to thrift and vigor and general health is important. One would do that was useful and pleasant and all of which are given in the bulletin, ficial control, the last of which is gos-

next cutline briefly the method we have found most satisfactory in moving such trees, which is by the use of

ber, making a trench about two feet the past ten years and make them haps two and a half feet deep. We go down until we are below the main She cut our patterns. The rest was ing with June of the present year roots and then dig under the tree easy. Here is our record so far: until it can be recked quite easily by 25 quilts completed ...... \$125.00 ment over that of the preceding year.

In the meantime we stake off the block of land where the new orchard is to be set and put a little manure from the horse barn about each stake to keep the ground from freezing deep before the time comes to dig the new holes for the trees.

When the ball of earth has frozen solid enough so that it will stand moving we dig our new hole, making it about a foot wider than the block of soil; tip the tree to one side so that buying farm machinery. Some of the and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of temperature of the treatment, so as Each and Germany 168.500 nounds of the treatment the treatment that the treatment the treatment that the treatment the treatment that t soil; tip the tree to one side so that buying farm machinery. Some of the and Germany 168,500 pounds of we can ram a heavy stoneboat or drag things I have learned to look into are: cheese. The Netherlands took 75,000 under it; chain the tree to the front The ease of adjustment by levers and pounds of cheese. Altogether some end of the drag, using plenty of pad- other devices; the ease of oiling and thirty different countries or colonies burner stoves are ample equipment.) ding about the tree so that the bark the capacity of the oil reservoirs; dewill not be injured: hitch on a team vices to protect silers and hearings to protect silers and hearings. The drained sacks of seed should be injured should be injured to protect silers and hearings. The drained sacks of seed should be injured to protect silers and hearings. The drained sacks of seed should be injured to protect silers and hearings. The drained sacks of seed should be injured to protect silers and hearings. The drained sacks of seed should be injured to protect silers and hearings. haul it alongside of the new hole; tip I find, also, that it pays to consider it into this hole, straighten it up and in advance whether the seat on the tamp in the soil about it.

This last should be done very care—it is so placed as to allow clear vision. Nitrogen is one of the most essenfully, and in the spring should be to the front and working parts. the block of earth tend to dry it out, as well as my own. There is congume, has the ability to extract free tion; lower temperatures not effective.

dollars and eighty cents to move trees from eight to ten years old a quarter of a mile and reset them.

The top of the tree should be pruned

in the new location; spread some ples, to it was up to me to work up a proving the texture and providing be overlooked. The largest birds need sloppy. Ferty gallons of the formalin burga within Bishopgate, dates back manure about the tree if possible— plan to sell mine. I sorted the apples better drainage and aeration. A bull- not of necessity be chosen, but the and water solution is sufficient to before the Fire of London, and so the more the better up to four or five and placed all of the same size in a letin published by the University of small ones are not desirable as breed-sprinkle between fifty and fixty bush-cannot be demolished. bushels. Give it an application of five-pound basket. These I sold at Illinois states that in the spring the ers. Take care to choose birds that els of seed wheat. nitrate of soda, a couple of pounds at twenty-five cents a basket, while the roots weigh as much or more than the are free from disease and males una time, three or four times during the other farmer sold his fruit for three tops, and that the nitrogen content is related to the females. A good start,

trees which are not to be salvaged but tainer.-T. merely disposed of in the quickest way possible, the choice of a method depends on whether the orchard is

under cultivation or in sod. ree of just at the surface of the

Ment of us who grow orchards come ground, using a heavy, one-man cross have the job on our hands of taking If the orchard is under cultivation, out some of our trees. And when then it is necessary, eventually, to re-

from the standpoint of cultivation the All sorts of factors influence one's sooner this can be done the better.

remaining trees that they do not do In a general way one's decision falls well for a year or two. In yanking into one of two categories, either to out a tree from betwee two others

ard in the best and cheapest way, in chop off all the tres which we wish to order to make room for the perman-remove but allow the stumps to stand for a year or two and thus decay Moving the trees onto new land to somewhat or chop all the trees which start a new orchard is much more should be rmeoved but pull only every

nate space in the orchard, and very In the light of our six years' ex- decidedly improves conditions in the

rives is to use a block and tackle. First. One should have reasonably Our equipment consists of seventygood digging conditions in the orch- five feet of one-inch waterproofed Their Cultivation in Canada," certain ion Department of Agriculture have ard from which the trees are to be rope, two blocks, a team of good drug plants growing wild in this coun- united in writing a monograph of the taken and in the field in which they horses and four men. We begin at try were to be had for the mere trou- Colorado potato beetle in Canada. are to be set. Rocky or gravelly soil one end of the row of trees which are ble of gathering. Excess of use of this These members are Arthur Gibson, makes the digging slower and more to be pulled and go right down the privilege has led to their scarcity and Dominion entomologist; R. P. Gorcostly and makes it much less certain row, using the next tree ahead as the from one position to the other in good One man drives the team and the cultivation. Particularly is this true ant emomologist at Strathroy, Ont.,

I doubt very much the possibility last "stake tree" whose turn has now that unless a farmer can convince dressing the Publications Branch, Ot- parsnips require a moist, cool cellar factory is as follows: Tomatoes, 36 fight to get enough moisture during a stake, hitch the rear end of the ducts he would be unwise to attempt over the country. It swarmed across the same requirements, only they keep peas, 15 pints. Second. The variety of tree is apby the time the teamster has brought of supplementing his ncome. Howand soon was found in many parts of good. On the other hand, onions, from year to year with the crop and

to pull from seventy-five to two hun-

### Quilting Idle Hours Away We Cleared \$260.

my mother and sisters and myself de- ed in autumn and can be grown on any supposed; from the State of Montana. cided to try and make some extra soil suitable for field crops; marsh The bulletin, which is a publication of money. We were not particularly mallow, sacred bark or bearberry, thirty pages, with illustrations, de-

scarcely be justified in attempting to at the same time profitable, but not which can be had by addressing the sible by spraying or dusting with inmove trees which are not in prime one of us could suggest anything of Publications Branch, Ottawa. Above sectoides, which are prescribed. which the others approved. Our farm everything farmers are warned paper solved our problem. In one against paying heed to flamboyant adissue we found designs for six levely vertisements purporting to tell of big old quilts. That put the quilting bee profits that can be made by growing aball of frezen soil about the roots. ail the old scraps and remnants of in our bonnets. We decided to take medicinal plants. We dig around the tres in Novem- cotton cloth that had accumulated for into old-fashioned quilts.

Mother is an expert at quilting.

e d	Total value \$212.00 Expenses.
e .,	Thread\$2.25
e	Total cost
1	I Won't Buy "Sight Unseen "

implement is comfortable and whether

It has cost us an average of three plements that do the same work.

# I Sold the Apples.

season. And, as a last resort, in cases cents a pound. From this I found not much lower. the best. After that I always graded Turning now to the removal of and sold apples in an attractive con-



Hon. Lincoln Goldie, provincial secretary, who has announced a new and varied meal system for use in Optario penal institutions. He says the old idea that diet was part of the punishment has become obsolete.

# Cultivation of Drug Plants.

Formerly, as Mr. John Adams, Assistant Dominion Botanist, says in his bulletin on "Medicinal Plants and Entomoligical Branch of the Dominin their wild state to such practical ham, assistant entomologist at Fredof Seneca snake root and golden seal, and J. A. Flock. This monograph, which they are to be set ought also to As scon as one tree is pulled these Mr. Adams, in dealing with this sub- which is styled Bulletin No. 52, new I have discovered that potatoes,

Exports of Dairy Products. Canada's export business in dairy products for the twelve months endpuiling on a branch. Then the trees 30 quilts not completed ..... 75.00 As reported in the last news letter of five hours in water at 63 to 72 deare allowed to stand until this ball of 4 quilts made for a neighbor 12.00 the Dominion Dairy and Cold Storage Branch, the exports of butter in 1924pounds, valued at \$25,733,222, combe treated in small lots in order that seed pared with in 1923-24, 13,668,379 pounds of buter, valued at \$5,031,634, uniformly brought to the desired temof course, mostly to the United King-exact temperature required should be dom, but it is noticeable that in June maintained. The other tub (No. 1) is or 3½ yards of 40-inch, or 3 yards improved from the ranchers' standard for height for height material. Price 20 cents round.

# Sweet Clover Improves the Soil.

looked to again, as any holes about And I think of the team's comfort expensive. Sweet clover, being a leand moisture is one of the big items siderable difference, for example in nitrogen from the air and incorporate the lightness of draft of various imit into its tisues. It thus becomes, as plements that do the same work.

Mr. Derick points out in his pamphiet

Turkeys intended for breeders the formalin and water solution over The top of the tree should be pruned severely, and a good share of this Last summer I had some very fine legume thrives on poor soils, production or the nominion expectation until every grain legume thrives on poor soils, productions well-matured is moistened by the solution. Just may well be done at the time the tree yellow transparent apples I wished to ing an abundance of large, fleshy birds and only those possessing good enough of the solution should be apsell. Another farmer had flooded the roots that decay readily and supply constitutions and vigor should be piled to thoroughly wet every grain, Keep up very thorough cultivation market with common, unsorted aportant roots that decay readily and supply constitutions and vigor sucuri no plied to unoroughly wet every grain, organic matter to the soil, thus im- selected. Quality of sone should not but not enough to make it wet and

wood-box that has an opening on the increased outside fo the house and one in the Don't confine them to the house durkitchen. The wood is put in from the ing the winter, but allow them to Parisian scientists say that germs outside. This system makes it much roam at will during the day. The only live and thrive in gold coins to a great- easier for the good housewife to keep shelter required in the night is a tree need not be disturbed, and the er extent than they do in paper money; her kitchen floor clean and tidy. No straw barn or closed-in shed. Never best method of removal is to saw the but at the present rate of gold circula-chips, bark, or other dirt from the house turkeys with hem or in heated

### Story of the Colorado Potato Beetle.

Four members of the staff of the By this method we have been able few years. He might grow at least beetle was observed in Quebec; in circulation of air. mustard of commerce; Seneca snake It was first found in British Columbia It was in the autumn of 1922 when root, or mountain flax, which is collect- in 1919, having been introduced, it is busy on the farm that fail and every anise, caraway, coriander, fennel, win-scribes the nature and habits of the day brought several leisure hours. tergreen or checkerberry, horehound, insect, its method of life and breed-

### Treatment for Loose Smut of Wheat.

Secure seed from fields that produced an absolutely clean crop and then take such measures as to prevent its contamination until sown. Formalin and bluestone seed treat-

ments will not destroy the spores of loose smut of wheat.

grees F. It should then be placed in 25 were 25,096,120 pounds, valued at small buriap sacks (four quart size) 38,934,794, and of cheese 134,418,700 and allowed to drain for a short time. It is of greatest importance that seed worth \$22,634,880. The exports were, be provided. In one tub (No. 2) the not to lower the temperature in tub kept agitated while immersed at temperature of 129 degrees F. for ten minutes. Sow as soon as sufficiently dry to run through the drill. Higher temperatures will destroy germina-

on "Sweet Cover" (Pamphlet No. 56 should be selected carly in the autumn the grain, then shovel the grain intoof the Dominion Department of Agri- before fattening for market takes another pile and so mix thoroughly. culture), probably one of the most place, says Mr. A. G. Taylor, of the Then sprinkle and shovel again. Revaluable improvers of soils. This Poultry Division of the Dominion Expeat this operation until every grain adds Mr. Taylor, can be made in turkey raising with one mais and four A certain Ontario farmer knows females. If the male is a good, vigor- all the vowels?" how to please his wife. He built a ous bird the number of females can be

By NELL B. NICHOLS.

be no more. At this season I always leaves. check over the canned goods, fruits Onions are dried before being

products is one way to lower grocery have kept pumpkins, squash and sweet tial to a properly balanced diet for week to week, and whenever they the family.

While the amount of foodstuffs stored in the home for consumption in the cold weather will vary with the individual taste of different families and the products grown on the farm, I consider my budget a typical one, out again. The two essentials of this It has been made by several years of method of keeping vegetables are: experience, and the fruits and vegetables put away are what I consider the minimum amount for a family of so they will not freeze. Cabbage, five. Allowance is made for the use parsnips and saisify are the easiest of at least one vegetable, and usually of two or three, other than potatoes, for every day in the wintry months.

Here is the list of vegetables which we have stored every fall for the last are covered with earth and for good few years: Potatoes, 15 bushels; on- measure, we place a layer of straw ions, 45 pounds; cabbage, 75 pounds; squash, 35 pounds; beets, 25 pounds; carrots, 40 pounds; parsnips, 20 pounds; celery plants, 40 pounds. The abagas, carrots and beets outdoors we

tackle to the tree to be pulled, and it unless as a sort of subsidiary means the Detroit River in the first instance best when the circulation of air is The amount of fruit I can varies

which is collected in autumn after the in Alberta, and in 1901 in Saskatche- we packed the heads in boxes in alter- raisins, prunes, apricots and peaches, seeds have ripened; white mustard, wan. In the West its spread was very nate layers of sand and earth and furnish the fruity tasts to many rethe seeds of which and black mustard gradual, its presence in any numbers stored them in the coolest part of the pasts, and crarges and apples are not when ground and mixed constitute the not being reported until recent years. cellar. We have dug celery plants

with the roots and planted them in It is the tinge of frost in the air the floor of the cellar. The roots are that makes us glasses ahead to the watered occasionally, but it is necesdays when orchards and gardens will sary to take care not to moisten the

and vegetables to be kept in cold stor- stored. When they are thoroughly age to find out what additions are dry I have hung them in backets in needed to make my supply adequate. the cellar. A dark place of storage I find that the storage of these food will check the growth of surouts. I bills as well as making easier the pre- petatoes near a chinney, from which paration of winter meals. They are they received warmth, in an upstairs helpful, too, in producing wholesome room. After the busy fall season is repasts because these foods are essen- past I examine these vegetables from show signs of spoiling I can them. OUTSIDE STORAGE.

Our experiments with outdoor storage in our section have been satisfactory, aithough it requires more time to put the foods away and to get them First, to select a well-drained spot; and, second, to cover the vegetables foods to store in this way. The cabbage is pulled and the roots are not detached; the heads are placed down on the grouid. Then the plants over this. We use about eight inches of earth over the cabbage, salsify and parsnips.

ideal way to store vegetables is to have found it essential to cover them have special storage cellars or caves, carefully to avoid frost danger. First inches of straw or hay and then the same amount of earth.

three men unhook the tackle from the ject, gives the common-sense advice series, and can be had free on adbeets, carrots, salsify, turnips and lowed last year and found quite satis-

plant culture as an experiment for a perienced a visitation. In 1874 the renheit, which is dry and has a good jelly, jam and butter. I always bottle ten different sorts of those best suited 1878 it had made its appearance in Here are some of the ways in which making fresh jeily during the winter. dred and fifty stumps in a ten-hour day—pretty good progress.

The plants for which delectable day—pretty good progress.

The plants for which delectable delectable day—pretty good progress.

The plants for which named has appearance in the delectable delectable day—pretty good progress.

The plants for which named has appearance in the delectable day—pretty good progress.

The plants for which named has appearance in the delectable day—pretty good progress.

figure or nap. Price 20 cents. perature. Two tubs of water should and long or short sleeves. Sizes 34, to the limit. In co-operation with the 36, 38, 40, 42 and 44 inches bust. Size Department of the Interior grazing 36 bust requires 3% yards of 36-inch, lease conditions have been greatly

Fashion Book are advance styles for 50,000 head of store cattle. This No. 2. (Galvanized iron tubs of 20-40) the home dressmaker, and the woman number was increased to 80,000 in plunged in tub No. 1 for a minute, in our patterns. Price of the book 10 ment takes every precaution to see then transferred to tub No. 2 and cents the copy. Each copy includes that only absolutely healthy and one coupon good for five cents in the vigorous animals are sent to the Britpurchase of any pattern.

### Treating Seed Wheat for Smut.

gallons of water. Place the grain to traveled between 800 and 1,200 miles be treated on a clean floor, sprinkle from Nova Scotia.

The Word.

First Bright Lad-"Is there a word in the English language that cortaina

Second ditto-"Unquestionably." "What is it?"

"I've just told you." We Have Them Now.

### The Store Cattle Trade.

The British embargo against Canadian cattle was removed on April 1, 1923, and the question then arose as to how cattle should be shipped and what are the best types of catle to send. In order to obtain authentic, information from data, the result of experiment, sound in foundation, carefully conducted and recorded, the Don minion Department of Agriculture arranged early in 1923 for an experimental shipment of steers to England. This shipment went forward in May, 1923, and a second consignment was shipped in the fall of the same year. From these shipments much valuable information was received, published and distributed among the farmers of No. 1190-Ladies' Dress, having Canada. The consignments were made surplice front closing at the left side, up from the experimental farms, and with or without jabot and side drap- the cattle met with a very favorable ery, and long sleeves. Sizes 36, 38, reception from British feeders and 40, 42 and 44 inches bust. Size 38 proved to be profitable purchases. One bust requires 4% yards of 36-inch, or steer obtained the championship at the 3 yards of 54-inch material, without Norwich fat stock show last year. A shipment of chilled meat was made, No. 1176—Ladies' Dress, with side- but the results were not encouraging, front closing which may be turned and everything points to the advisaback to form a rever, shaped collar, bility of developing the stocker trade

The designs illustrated in our new In 1923 Canada sent across about

# Salmon Had Long Trip.

A salmon recently killed in the Mois-Mix one pint of forma in with forty fication tag which showed that it had is river. Quebec, bore a fishery identi-

tensely salt, of great specific gravity, and have no perceptible outlet.

# Smallest Church.

Around the world from its market, New Zealand has doubled its production of dairy products during the past ten years and is rivaling Denmark for the London butter trade. The farm cost of production is said to be twothirds that of Ontario. Superior climate is one big advantage, but another is the farm organization. Milks ing machines are generally used, and Signposts which can be illuminated a man and a boy handle forty to fifty after dark are being experimented cows. The work is dene in sheds, as with in London by the ministry of barns are not necessary in that coun-