

# COOK BY WIRE

The best coffee is percolated coffee and the best machine to make it in is the

## Electric Coffee Percolator

The hottest, freshest, crispiest toast is that made right on the breakfast table with an

## Electric Toaster

Delightful dishes that arouse keen interest in the process can be made on the

## Electric Chafing Dish

On many occasions the cooking functions of a big range can be exercised by the

## Electric Grill

Many handsome appliances usable in the electrified house of low prices

## PUBLIC SERVICE COMPANY OF NORTHERN ILLINOIS

# HOME COURSE IN SCIENTIFIC AGRICULTURE

## SIXTH ARTICLE — HOME FRUIT GARDEN.

By L. C. CORBETT, Horticulturist, Bureau of Plant Industry, Department of Agriculture.

**T**HE possibilities in fruit culture upon restricted areas have been very generally overlooked, with the result that many persons who own a city lot, a suburban home or even a farm now look upon fruit as a luxury. This can all be changed, and much of the land which is now practically waste and entirely unremunerative can be made to produce fruits in sufficient quantity to give them a regular place upon the family bill of fare and at the same time add greatly to the attractiveness of the table and healthfulness of the diet.

In order to prove a source of constant pleasure and gratification a fruit plantation must claim the attention of its owner from early spring to late autumn. Its products, too, must be so planned as to cover the greatest possible portion of the seasons between frosts. For a commercial place on an extensive scale it would be out of the question to attempt to alter the character of the soil to suit the needs of the plant, but with a small area the case is quite different. If the soil is heavy it can be lightened with sand if it is not desirable to increase the proportion of humus which it contains. If it is lacking in organic matter the addition of leaf mold and well rotted manure or the turning under of some leguminous crop, such as cowpeas or

use of the plant. When the operation of transplanting is complete the plant should stand one or two inches deeper than it stood in the nursery.

In the case of the apple and the pear the fruits are borne upon "spurs" of the previous year's growth only, these spurs appearing on wood one year or more of age. Heading in or shortening each shoot of the season's growth, therefore, must be done with care in order not to reduce the bearing wood beyond a profitable limit. The bearing shoots are usually obscurely located upon the sides of the branches.

With the peach, however, it is the wood of the last season's growth upon which the fruits are directly borne, and with them heading in may be successfully employed to limit the quantity of fruit borne by the tree. Japanese plums bear on both year-old wood and spurs. Pruning may therefore be used to thin the fruit, the same as in the case of the peach.

The grape bears its fruit on shoots of the season, which in turn usually arise from canes of the previous year's growth. Old wood on the grape is therefore of little value; hence the development of so many systems of training which maintain only a single permanent trunk, from the top of which the bearing canes are renewed each year.

By planting the vines closely and carrying up single trunks to a fixed height and from the top of the stalk carrying out horizontal arms along which "spurs" are maintained a short growth from each spur will be sufficient to give a uniform and sufficiently dense canopy of leaves for the arbor.

Raspberries and blackberries both bear their fruits on short shoots which arise from canes of the previous season's growth.

In the case of the currant and gooseberry the fruits are produced on both old and new wood. The fruits appear as axillary growths from the shoot itself, and wood three years or more of age is unprofitable and should be cut away.

Strawberries are rarely produced in profitable quantities by plants more than one year old. Plants over two years of age should be rooted out to give room for new ones.

The interest of a fruit garden may be greatly enhanced by growing there in plants not adapted naturally to the climatic region in which the garden is located. The most hardy sort should be selected, in addition to which the fruiting shoots may be wrapped in matting, covered with straw, and the fruits thus successfully protected, or, if it seems desirable, temporary sheds may be built over the plants and these thatched with straw or fodder sufficiently to protect them from frost. Then, again, semi-hardy sorts may be tipped over by cutting the roots on one side, bending the branches close to the soil, pinning them down and then covering the whole plant with matting and earth or a straw thatch and earth.

The fact that trees can be grown as dwarfs as well as standards will enable one to utilize a space which had previously been considered unsuited for the development of a tree. In proportion to size dwarf trees are more fruitful than standards, and they come into bearing sooner.

Dwarfing is accomplished by budding or grafting robust growers on slow growing stocks, and most tree fruits lend themselves to this treatment. Besides this method of modification, there are other methods quite as important to the owners of small areas. Standards may be grown as "bushes" or as "pyramids," thus making it possible to grow them much closer together. Pruning and training used in combination have shown the possibilities of restricting plants to the "espalier," "cordon" and other styles of training employed in growing fruits against walls. These methods not only allow plants to be grown more closely than is common in orchard practice, but they allow the grower to take advantage of locations and conditions under which trees could not develop normally.

Besides the advantage of dwarfing, grafting may be turned to good account to enable the owner of few trees to increase his sorts beyond the limits of the trees he possesses. There are single trees known which bear as many as 150 varieties of apples.

In addition to the advantages to be gained from restricting the growth of plants by training and dwarfing, some of the methods of training offer adaptations which allow of combining plants of various habits of growth to the advantage of the grower and with little or no disadvantage to the plants. To illustrate this, currants may be combined with grapes, apples with currants or raspberries, grapes and strawberries.

The advantages of these methods become apparent at once when the object is the most economical utilization of a limited land area.

Besides the special adaptations afforded by dwarfed trees and by special combinations of low growing and high growing plants, certain well known systems of pruning and training allow additional liberties to the skillful planter. The vine may be utilized as a cover for walks and drives or as a canopy over small outbuildings. A cozy summer veranda may be covered by grapevines, thus securing the double advantage of a cool, shady nook during summer and a supply of fruit in autumn.

Where there is more land at one's disposal there may be both a fruit garden and a vegetable garden.

For specific recommendations as to varieties of fruits adapted to the various fruit sections of the United States see farmers' bulletin No. 208, "Varieties of Fruits Recommended For Planting."

## WITH OUR CHURCHES.

Congregational Church—Rev. F. F. Farrington, pastor. Services for Sunday, June 29, 1913; Sunday School, 9:45 a. m. Morning service, 10:45 a. m.; children's sermon subject, "Light;" morning sermon subject, "Christian Evolution." No evening service. C. E. Society meeting, 6:45 p. m. A welcome for all.

M. E. Church—The quarterly communion service will be held next Sunday at the regular morning hour. There will be no preaching service in the evening, owing to the beginning of the services of Dedicatory week at the Evangelical Church. There will be no prayer meeting this week for same reason.

St. Peter's Danish Lutheran Church (West Chippewa St.)—J. C. Aaberg, pastor. Sunday School at 9 a. m. There will be no morning services on Dwight Sunday but there will be services in Gardner at 9 a. m. and in Dwight at 7:30 p. m. Rev. Kildegard from Muskegon will preach at both services.

Bedell Danish Lutheran Church—Rev. J. Simonsen, pastor, West Seminoles St. Sunday School, 9:30 a. m. every Sunday. Services at 10:30 a. m. and 7:30 p. m., first and third Sundays in the month, and each Friday evening previous to first and third Sundays at 7:30 p. m. Everybody welcome.

German Ev.-Luth. Church—Rev. W. Kistemann, pastor. Services every Sunday: Sunday School from 9 to 10 a. m. Service from 10 to 11 a. m.

## Makes Home Baking Easy



# ROYAL BAKING POWDER

**Absolutely Pure**  
The only baking powder made from Royal Grape Cream of Tartar  
**NO ALUM, NO LIME PHOSPHATE**

English service every first Sunday in the month at 7:30 p. m.

Danish-Norwegian M. E. Church—Rev. Bagne, pastor. There will be preaching services tomorrow at 10:30 a. m. and 7:30 p. m. Everybody welcome.

Unfortunately True. The industrious man has his points, but he seldom is as good company as the loafer.

## ASSESSMENT OF TOWN LOTS.

### VILLAGE OF CARDIFF, Town 30, Range 8.

Owner's Name	Lot	Block	Ass'd Value
Ahern's Sub. Div. Sec. 22, 30, 8, Village of Cardiff			
Frank Secondino	6	3	\$15
John Testa	8		15
Joe C. C. ...	9	12	15
Cardiff Coal Co's Sub. Div. sw sw 23, 30, 8, Village of Cardiff.			
James Walsh	1	1	35
Murphy's Sub. Div. Sec. 26, 30, 8, Village of Cardiff.			
Dominic Secondino	16	1	15
Steve Davitt	24	2	20

## ASSESSMENT LIST.

### BOUND GROVE, Town 30, Range 8.

Owner's Name	Ass'd Value	Personal	School District No. 295.
Brown, D. J.	270		
Bak, Andrew J.	495		
Beatty, Wm.	420		
Beatty, Charles	180		
Brophy, J. D.	350		
Chapple, George	415		
Chapoy, Thomas	130		
Dixon, Thomas Jr.	310		
Feldman, H. E.	270		
Grush, Edward	350		
Hanlon, Edward	135		
Hughes, Frank W.	395		
Kain, Nels	200		
Larsen, E. V.	80		
McDonald, Wm.	400		
Patchett, Elvis	310		
Potter, Mrs. S.	150		
Steger, George	590		
Sleeger, A. E.	180		
Murphy, Dan	10		
Mallon, John	15		
Palke, F. L.	120		
Palke, E. H.	310		
Smith, Mike	440		
Shelly, Edward	160		
Shelly, R. D.	400		
Smith, John W.	520		
Tavarez, Joe	375		
Tavarez, Frank Sr.	240		
Cliff, George	290		
School District No. 292.			
Bartlett, Frazier & Co.	800		
Chase, G. K.	100		
Clover, Frank	325		
Clover, Phillip Mrs.	230		
Clover, Amos	30		
Clover, E. E.	150		
Drew, George	220		
Eldred Bros.	760		
Green, Joseph	575		
Johnson, John	230		
Jensen, Morton F.	440		
Taverson, Wm. Mrs.	170		
Lockwood, John	265		
Mortensen, Martin	300		
Mattison, M. K.	215		
Mortensen, Jens	670		
Nelson, Nels J.	350		
Pefferman, S. E.	650		
Spiegel, Frank J.	510		
Scott, C. A.	105		
Shelly, Uriah Mrs.	130		
Scott, O. W.	570		
Tyler, James	415		
Tambling, Jesse A.	210		
Tambling, M. W.	600		
Belvaenger, P. W.	530		
School District No. 292.			
Burns, A.	250		
Bloxam, E. G.	290		
Drechsel, Andrew	670		
Finnegan, J. M.	595		
Finnegan, O. J.	490		
Finnegan, James	430		
Jensen, Martin E.	390		
Lydigen, Fred	435		
Lydigen, Theo. W.	1155		
Mathison, Peter J.	665		
Mulford, O. J.	265		
Perschnick, John	380		
Spennitt, J. P.	470		
Tavarez, Frank Sr.	230		
Weller, John	310		
Weller, John	45		
School District No. 294.			
Brown, J. M.	2020		
Brown, Martin	525		
Brown, C. W.	470		
Beiswanger, Ralph	180		
Crisler, Ora	260		
Coly, John	410		
Hagerty, James	120		
Hillesheim, R.	150		
Hansen, H. P.	390		
Mickelson, J. P.	580		
Martinal, Joseph	130		
Oughton, John R.	440		
Peterson, Julius	110		
Pritchard, George	640		
Reardon, Peter	230		
Seamark, James	320		
Seibert, Martin	160		

## School District No. 299.

Rieck, J. H.	200
Reilly, Elizabeth	50
Stacey, George	210
Schlitz Brewing Co.	100
Skow, Hans	15
Tyrrell, Mike	40
Whalon, John	465
Waybright, E. N.	20
Walsh, L. E.	40
Walsh, M. R.	15
Walsh, M. R.	1110
Wheeler, Thomas	15
Walsh Bros.	1090
Walsh, Thomas M.	40
Zeller, Phillip	15
Zeller, Frank	15
Zeller, Carl	15
Campus Grain Co.	4000

## School District No. 299.

Christensen, Chris	600
Doorley, B. Mrs.	530
Fitzpatrick, B.	150
Farley, Peter	220
Farley, John	100
Farley, Art	100
Hayes, David	200
Hayes, W. L.	280
Hillesheim, R.	130
Jensen, Nels	125
Larsen, Chris	110
Muldoon, Mike	140
Peterson, Peter	150
O'Keefe, Mike	670
Pofferman, Hannah Mrs.	280
Stacey, Wm.	250
Seibert, Norman	620
Seibert, George	260
Thompson, Erie	130
Walsh Bros.	300

## School District No. 300.

Ahern, F. E.	140
Borge, Lee	25
Ballanton, Peter	10
Beetman, Mrs. Minnie	10
Biskey, John	15
Boffotti, John	20
Bima, B.	10
Bolotti, Dominick	35
Benitone, Dominick	130
Brennan, Thomas	120
Chimera, Lou	30
Choketty, John	15
Crofts, Harry	15
Crofts, Robt.	35
Cardiff Coal Co.	10000
Central State Coal Co.	3000
Deaylster, Nick	15
Dixon, Thomas	680
Floodshauer, Wm.	15
Fisher, Harry	30
Fogarty, Charles	10
Georgis, John	15
Higgins, Mike	15
Hamil, Archie	20
Jones, D. J.	85
Jurlic, John	20
Loyd, Thomas	20
Lewis, Mrs. Sarah	30
Nanni, Mrs.	180
Peterson, Peter	210
Murphy, Edward	10
Monford, Joe	10
Menozzi, Peter	110
Monaghan, Sam	15
Mattich, Anton	20
Munz, George	15
Peterson, Peter	15
Pritchard, Theo.	15
Parker, Harry	15
Patten, Joe	15
Rubin, Frank	150
Rouquet, Emil	200
Rudaska Brewing Co.	225
Ronchetti, Henry	10
Reilly, Elizabeth	150
Singer, James	40
Schlitz Brewing Co.	250
Schroeder, August	40
Skuba, Jacob	25
Testa, John & Sons	300
Treasurer, Mrs. G.	15
Tintori, Louis	15
Tintori, Isadora	15
Thompson, B. M.	35
Toppa, John	30
Woodman, John B.	25
Wagner, Charles E.	50
Walsh, James H.	90
Walsh, M. R.	100
Walsh, H. L.	45
Walsh, G. E.	85
Williams, J. J.	15

## Total

\$102485

Note — Assessed value one-third of full value

All objections to the assessment must be made in writing and filed with the Clerk of the Board 30 days before or before August 1st, 1913.

LEWIS S. HENDERSON, Supt. of Assessments.

## Low Round-Trip Fares to the West

Arizona Idaho Oregon  
Colorado Mexico Utah  
California New Mexico Washington

VIA

## Chicago & Alton Railroad

COLORADO SPRINGS, COLO.	\$28.55	PORTLAND, ORE.	\$72.50
DENVER, COLO.	\$28.55	SEATTLE, WASH.	\$72.50
GLENWOOD SPRINGS, COLO.	\$38.55	SPOKANE, WASH.	\$72.50
LOS ANGELES, CALIF.	\$72.50	TACOMA, WASH.	\$72.50
SAN FRANCISCO, CALIF.	\$72.50		

Tickets on Sale until September 30, 1913

Full particulars of these and many other attractive trips. Write or call on F. D. Scoville, Ticket Agent, Chicago & Alton R. R., Dwight, Illinois.

## Cement Work

Side walks, foundations (either blocks or solid), cisterns and all kinds of cement work, are my specialties. All work guaranteed to be first class.

ART PETERSON

PHONE 237R DWIGHT, ILL.



## A Rumely-Olds To Run Your Feed Grinder

**I**T runs the grinder whenever you please and it's sure to stay till the job is done. It not only runs feed grinders but it will do any kind of work you have for it. It's always ready. And no matter what the job may be, will do it in quick time.

If you can't possibly arrange to visit us and have us show you a Rumely-Olds in operation, let us know and we'll call on you. Or if you'd rather, we'll send you a catalog which tells all about them.

We're here to serve you; give us a chance.

FERGUSON MOTOR SALES COMPANY

DEALERS IN RUMELY POWER FARM MACHINERY — DWIGHT, ILL.