



### GROWING CARNATIONS.

**Their Culture Out of Doors is Simple, Easy and Satisfactory.**

A few persons succeed with carnations indoors. The out of door culture of carnations, however, as described by a writer in Country Gentleman, is simple, easily carried on and repays one by plants laden with dozens of the clove scented beauties. He says:

As to kinds to be selected, one may take the ordinary carnations or the Marguerites. It is to be remembered that Marguerite carnations require two seasons to reach a period when they will bloom freely. After once freely blossoming they should be discarded altogether and new seedlings set out. This is a rule adopted by florists in reference to all carnations.

Since most persons are unable to secure the young Marguerite plants, they must be raised from the seed. The seed should be bought from some reliable dealer and sown in a box of loose earth as one would sow cabbage seed. At any time in June or July this may be done. Soaking the seed overnight, not planting too deeply and shading the surface of the soil to prevent baking are some precautions to be taken.

As soon as the seedlings are four or five inches tall they are ready to be transplanted to the bed. In selecting a place for a carnation bed one should bear in mind that afternoon shade is advisable. For this reason plants growing to the east of some building are usually the best ones.

Carnations require a rich, loose soil of the composition of good garden soil. The bed should be kept free from weeds. The surface of the soil must be kept loose. Water is to be given only when the soil becomes dry and not daily. If the season is favorable, Marguerite carnations will bloom somewhat the first fall. However, if they do not, they will make it all up the following summer. As soon as the frosts become severe in the fall the stems are to be gently pressed earthward and covered with straw as a winter coat. The straw had better be covered with loose boards, so as to prevent wind and froch from disturbing it. On the approach of spring, late in April, the mulch should be removed. The warm rains and stimulating sunshine soon awaken sprouts, which push upward and in June bear fragrant masses of carnations.

volatile oil, which is found in all parts of the plant, even in the wood after thorough drying. This oil cannot be washed off with water alone and but readily with the addition of soap. A 10 per cent alcohol solution dissolves and removes it readily. With sugar of lead added to the alcohol to the point of saturation, this forms an efficient antiseptic, relieving the itching and preventing the further spread of the disease. The alcohol and sugar of lead, however, should be taken with care, as a small portion taken internally would be a more dangerous poison than the oil of the Ivy.

**The Christmas Rose.**

The interesting and pretty plant known as the Christmas rose is not a rose proper, nor does it belong to the rose family, nor does it bloom at Christmas unless in the house, according to American Agriculturist. It belongs to the buttercup family and has waxy, white flowers shaped like marguerites. It is a favorite in England. With protection it strikes our winters and blooms very early in spring.



### A NATIVE-FERN.

**Valuable For Decorative Purposes Through the Summer.**

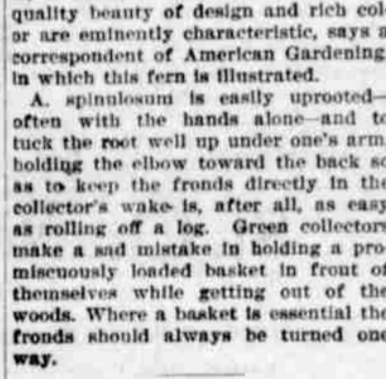
Native ferns do not as a class adapt themselves to indoor culture, but for decorative purposes through the summer months nothing surpasses some of our common species, not only in their beauty, but in pleasing suggestiveness. The firm texture of the fronds of the aptium tribe renders several members of the family especially good for this purpose. A well developed plant



carefully taken up and potted in light soil with good drainage may be counted on to hold its own for two months at least, often increasing in beauty and always in delicacy.

**A Beautiful Flowering Vine.**

Among all the leading flowering vines which embellish the beauty of the summer season, that beautiful introduction from Japan, Clematis paniculata, stands unsurpassed in many respects. Its pure white flowers, given forth in untold abundance, lend a splendor of coolness under the hot late



**A Big Apple Year Expected.**

According to the government crop report, the average condition of the apple crop on June 1 was exceptionally favorable, the whole of the 14 states, having 3,000,000 or upward apple trees in bearing at the last census, reporting a condition above—and most of them considerably above—their ten year averages. The condition in New York, 100, was the highest reported from that state in 15 years and 12 points above the average. Kansas also reports 12 points, Pennsylvania 11, Maine 10, Virginia and Michigan 13, North Carolina 23, Illinois 9, Missouri 8, Ohio and Indiana 5, Kentucky and Tennessee 4 points and Iowa 1 point above their respective ten year averages. Of the remaining states and territories, with all their diversity of soil and climate, all but some half dozen have the promise of more than an average crop.

**ARMED PRIMROSE.**

There is a time in August or early in September when fruit trees need trimming, especially young ones that are making so much wood they do not develop fruit buds. Cut them back to the second flower and you are ready for it. It will develop fruit buds and the blossoms for the following year.

**Remedy For Ivy Poisoning.**

The active deleterious properties of poison ivy, according to Dr. Franz Pfaff of Harvard university, is a non-

not too early, new wood will grow, while a little later it will not start. If you find you have cut too early, cut again. Fruit trees will soon show signs of a growing season in August—that cutting away all the fruiting wood and they often expand the following season with a crop. Some pruning may do it, though not so sure a remedy. Summer pruning is when you can shape your tree to suit and make it as you like it or make a fruit tree fruit if it doesn't want to. Charles Black, New Jersey.

**Peach Yellow.**

Yellow is a highly contagious, incurable disease of the peach. Trees affected with it should be destroyed at the earliest possible moment by spraying and digging them out and burning roots, trunk and branches, including fruit on site. No remedy save that has proved successful. Dragging diseased trees of destruction through an orchard will infect healthy trees.

Late summer and fall are the most favorable times for detection of yellow by symptoms of fruit and twigs. These are: 1. Premature ripening of the fruit, which is lightly colored and spotted and has the flesh marbled with red. 2. Premature unfolding of winter buds. 3. Abnormal development of new buds in the trunk and branches, which grow into slender, sickly looking shoots.—Ohio Station.

**A Good Collection of Roses.**

At the first summer exhibition of the American Rose society, held in New York city, among the Perpetual or Remontant roses, which formed the bulk of the exhibition, the familiar old varieties, such as Anna de Diesbach, Captain Christy, Fisher Holmes, General Jacquelin, Mme. Gabriel Luizet, Magna Charta and Paul Neyron, greatly predominated, though about all the varieties noted in American catalogues were shown. If one should add Margaret Dickson and Gloire Yvonnaise, both white, the latter with a yellow tinge, and Jean Liebaud or Prince Canille de Rohan, both very dark crimson, to the above list, a good foundation for an amateur collection would be laid, says Rural New Yorker.

**Chrysanthemum rust** has been somewhat abundant in various sections the last year or two. It grows so rapidly and the spores are so numerous that they fall from one leaf to the other and cause the leaves to look as if they had been dusted over with tobacco dust. Professor Halstead advises to buy your stock from people who have none of this rust, and if you are so unfortunate as to have it use heretofore remedies. Throw out and burn all your stock, rip out all boards, walk, etc., and burn also. Dig out all the earth, whitewash all the walls. In short, make thorough work of cleaning out the house and begin over again with new stock. Do not use any half way methods in getting rid of it.

**Three College Courses**

--- CLASSICAL, SCIENTIFIC, LITERAR ---

## PACIFIC UNIVERSITY

The Academy prepares for College and gives a thorough English Education, the best preparation for teaching or business. All expenses very low. Board and rooms a te Ladies' Hall \$3 to \$4 per week, including electric light and heat.

## THE COLLEGE DORMITORY

Under experienced management, will furnish rooms and board at cost on the club plan, not to exceed \$1.50

For full particulars, address  
PRESIDENT McCLELLAND,  
Forest Grove, Oregon



**CASTORIA**  
The Kind You Have Always Bought  
Bears the Signature of *Chas. H. Fletcher*

**B. P. CORNELIUS,**  
Auctioneer, Hillsboro Oregon

I offer my services to citizens of this county to sell goods, merchandise and chattels at public vendue. I will attend all sales at times and places specified upon receiving a request to do so. Charges reasonable.

**WINTER COLDS**

Winter colds have always been serious things to me. They are hard and stay for months. But the last was stopped suddenly by MEDEL'S DYNAMIC TABLETS. Both cough and cold disappeared in a couple of days. Nothing else does this for me. Mrs. EMMA L. HOLLER, 14 Moss St., San Francisco, Aug. 6, '00.

"I live across the street from where MEDEL'S DYNAMIC TABLETS are made. That is how I first took them. They stop colds without notice. I took a dozen boxes with me for self and friends when I went to Nome." H. L. VAN WISSEK, Capitalist, 3017 Washington Street, San Francisco, August 15, 1900.

sent postpaid for 25 cents in stamps by INLAND DRUG CO., 2504 Washington Street, San Francisco.

For sale at the Pharmacy.

**A Gem Among Chinese Primroses.**

Among recent introductions of the primrose family a writer in Meehan's Monthly has mentioned Primula sletkai as one of the best. The foliage is very dark purple in color. The flowers are pure white and about one inch in diameter, reaching on 29 inches above the other, produced on 29 inches in height. The plants flower much longer than the sinensis type. The seed should be sown in April in light soil to get good sized plants and given a little more sun than is usual for sinensis.

**Flowers in Vases.**

Nothing embellishes a flower like its own foliage. Roses should have nothing more, nor lily of the valley, tulips or any bulbous plants or chrysanthemums. If the chrysanthemum foliage is not good, out some that is. Anything else would be ridiculous. But carnations are weak in foliage, and sprays of Asparagus sprengeri will go well with them, says a floral authority.

**900 DROPS**

**CASTORIA**

A Vegetable Preparation for Assimilating the Food and Regulating the Stomachs and Bowels of INFANTS & CHILDREN

Promotes Digestion, Cheerfulness and Rest. Contains neither Opium, Morphine nor Mercuro.

Prepared by *Chas. H. Fletcher*  
NEW YORK.

Fac-Simile Signatures of *Chas. H. Fletcher*  
NEW YORK.

EXACT COPY OF WRAPPER.

**CASTORIA**

For Infants and Children.

The Kind You Have Always Bought Bears the Signature of *Chas. H. Fletcher*

of *Chas. H. Fletcher*

In Use For Over Thirty Years

**CASTORIA**

THE CENTAUR COMPANY, NEW YORK CITY.

### A FEW INTERESTING FACTS

When people are contemplating a trip whether on business or pleasure, they naturally want the best service obtainable as far as speed, comfort and safety is concerned. Employees of the Wisconsin Central Lines are paid to serve the public and our time are operated so as to make close connections with diverging lines at all junction points.

Pullman Palace Sleeping and Chair Cars on through trips.

Dining Car service unexcelled. Meals served a la Carte.

In order to obtain this first class service ask the ticket agent to sell you a ticket over

### THE WISCONSIN CENTRAL LINES.

Direct connections at Chicago and Milwaukee for all Eastern points.

For full information call on your nearest ticket agent, or write

J. A. C. PEYER, Gen. Pass. Agent, 240 State St., Milwaukee, Wis.

"I have used Chamberlain's Colic, Cholera and Diarrhoea Remedy and find it to be a great medicine," says Mr. E. S. Phillips, of Polson, Ark. "I suffered me of bloody flux, I can not speak too highly of it." This remedy always wins the good opinion of the people, of those who use it. The quick relief which it effects even in the most severe cases make it a favorite everywhere. For sale by the Retail Drug Store.

### DON'T BE DUPED

By dry goods, dress, shoes, etc., are in a false position as a premium for a certain time to support

Webster's International Dictionary

Wordless

Reprint Dictionaries.

Long Since Obsolete.

Get the Best.

Illustrated, 1,000,000 words. Address: C. & G. MERRILL CO., Springfield, Mass.

**FERRY'S SEEDS**

Always Fresh. Always the Best.

are sold everywhere.

D. M. FERRY & CO., SEATTLE, WASH.

### BAD COLDS.

Quinine is 10 years behind. Colds do not now have to be endured. MEDEL'S DYNAMIC TABLETS (called Dynamic from their energy) crowd a week's ordinary treatment into 12 hours and abort the worst of colds overnight.

"It was the worst case of grip I ever had. A half dozen friends had sore throats. Still I hung on. Heard of the DYNAMIC TABLETS. To my amazement they stopped both cold and head the first night. I ordered and recommended them to the people." BARCLAY HENNING, Ex-Member Congress and Attorney, 101 Sansome Street, San Francisco, July 7, 1900.

"Winter colds have always been serious things to me. They are hard and stay for months. But the last was stopped suddenly by MEDEL'S DYNAMIC TABLETS. Both cough and cold disappeared in a couple of days. Nothing else does this for me." Mrs. EMMA L. HOLLER, 14 Moss St., San Francisco, Aug. 6, '00.

"I live across the street from where MEDEL'S DYNAMIC TABLETS are made. That is how I first took them. They stop colds without notice. I took a dozen boxes with me for self and friends when I went to Nome." H. L. VAN WISSEK, Capitalist, 3017 Washington Street, San Francisco, August 15, 1900.

sent postpaid for 25 cents in stamps by INLAND DRUG CO., 2504 Washington Street, San Francisco.

For sale at the Pharmacy.

**Cholarrh Cannot be Cured**

with local applications, as they cannot reach the seat of the disease. Cholarrh is a blood or constitutional disease, and in order to cure it you must take internal remedies. Hall's Catharrh Cure is taken internally, and acts directly on the blood and mucous surfaces. Hall's Catharrh Cure is not a quick medicine. It was prescribed by one of the best physicians in this country for years, and as a regular prescription. It is composed of the best, known ingredients with the best blood purifiers, acting directly on the mucous surfaces. The perfect combination of the two ingredients is what makes Hall's Catharrh Cure so effective in curing Catharrh. Send for testimonials free.

Address, F. J. CHERNEY & Co., Toledo, O. Sold by Druggists. See that you get Hall's Family Pills are the best.

**Hogs and Hay.**

At the Kansas Experiment station hogs were fed on a ration of alfalfa hay and Kaffir corn meal. The hogs fed in this experiment were bought of farmers and averaged in weight 125 pounds each. They were placed in lots of ten each in large pens having for shelter some sheds open to the south. The alfalfa hay used was of the best quality, carefully cured. Black hulled white Kaffir corn was the grain used. The hogs were fed all that they would eat without waste. The hay was fed dry in forklifts in a large flat trough. The pigs were given more than they would eat, and they picked out the leaves and finer stems, rejecting the coarser stems. One lot of hogs was fed Kaffir corn meal and alfalfa hay, one lot whole Kaffir corn dry and one lot Kaffir corn meal and 60 pounds of alfalfa hay, the men wet. The experiment began on Nov. 24 and lasted nine weeks. By that time the alfalfa fed hogs became well fattened and were marketed. We estimated that it would require four or five weeks' additional feed, with ordinary winter weather, to get the hogs that were fed grain alone into good marketable condition.

**O. R. & N.**

OREGON SHORT LINE

AND UNION PACIFIC

### TIME SCHEDULES FROM PORTLAND

Chicago-Portland Special, via Huntington leaves 9 a. m. for Salt Lake, Denver, Ft. Worth, Omaha, Kansas City, St. Louis, Chicago & East. Arrives 4:30 p. m.

Atlantic Express via Huntington, departs at 6 p. m. for Salt Lake, Denver, Ft. Worth, Omaha, Kansas City, St. Louis, Chicago and East. Arrives 8:30 a. m.

St. Paul fast mail via Spokane leaves 6 p. m. for Walla Walla, Lewiston, Spokane, Wallace, Pullman, Minneapolis, St. Paul, Duluth, Milwaukee, Chicago and East. Arrives 7 a. m.

### OCEAN AND RIVER SCHEDULE

From Portland

Leaves 8 p. m. for San Francisco every 5 days. Arrives 4 p. m.

Leaves 8 p. m. daily except Sunday, on Saturday 10 p. m. for Astoria and way-landings. Arrives 4 p. m. except Sunday.

Leaves daily except Sunday at 6 a. m. for Oregon City, Newberg, Salem, Independence and way-landings. Arrives at 4:30 p. m. except Sunday.

Leaves Tues, Thurs and Sat at 6 a. m. for Corvallis and way-landings. Arrives Mon, Wed and Fri at 4:30 p. m.

Leaves Tues, Thurs and Sat at 7 a. m. for Oregon City, Dayton and way-landings. Arrives Mon, Wed and Fri at 3:30 p. m.

Leaves Riparian at 11:30 a. m. for Lewiston. Leaves Lewiston 8:30 a. m. for Riparian.

Address, W. H. HUBBERT, Portland, Oregon.

**EAST SOUTH**

THE SHASTA ROUTE

OF THE SOUTHERN PAC. CO.

EXPRESS TRAINS LEAVE PORTLAND DAILY:

6:00 p. m. Lv. Portland Ar. 9:30 a. m. S. F.

8:15 a. m. Ar. San Francisco Lv. 8:30 a. m.

Above trains stop at all stations between Portland and Salem, Turner, Marion, Jefferson, Albany, Eugene, Shedd, Halsey, Harrisburg, Junction City, Eugene, Cottage Grove, Drain, Oakland, and all stations from Roseburg to Ashland, inclusive.

**ROSEBURG MAIL DAILY.**

8:30 a. m. Lv. Portland Ar. 4:50 p. m. Roseburg Lv. 7:30 a. m.

**DINING CARS ON OGDEN ROUTE.**

**WILLMAN JFFET SLEEPERS**

See Class Sleeping Cars

SEE LIST TO ALL THROUGH TRAINS.

West Side Division.

BE WHEN PORTLAND & OGGVALLIN.

Mail Train Daily (Except Sunday).

30 a. m. Lv. Portland Ar. 8:55 a. m. Hillabury Lv. 1:50 p. m.

4:1 a. m. Ar. Hillabury Lv. 1:50 p. m.

11:35 a. m. Ar. Corvallis Lv. 1:20 p. m.

2:27 Ar. Albany and Corvallis connect with trains of the Oregon Central & Eastern Ry.

1:50 p. m. Lv. Portland Ar. 8:55 a. m. 6:10 p. m. Lv. Hillabury Lv. 1:50 p. m. 7:30 p. m. Ar. McMinnville Lv. 1:50 a. m. 8:30 p. m. Ar. Independence. 1:40 a. m.

**Through Tickets**

To all points in the Eastern states, Canada and Europe can be obtained at lowest rates from C. E. Beckwith agent of John H. Gault at the Independent office Hillsboro.

C. H. MARKHAM, Gen. F. & P. Ag. t. Manager, Portland.

**30 YEARS' EXPERIENCE**

**PATENTS**

TRADE MARKS, DESIGNS, COPYRIGHTS & C.

Anyone wishing a sketch and description may quickly ascertain our opinion free whether an invention is really patentable. Communications strictly confidential. Handbook on Patents sent free. (Index agency for receiving patent applications.) Patents taken through Munn & Co. receive special notice, without charge, in the Scientific American.

Published weekly. Largest circulation of any scientific journal. Terms, \$3.00 a year in advance. Single copies, 10 cents. Sold by all newsdealers.

**MUNN & Co., 297 Broadway, New York**

Branch Office, 525 F. St., Washington, D. C.

**CASTORIA**

For Infants and Children.

The Kind You Have Always Bought

Bears the Signature of *Chas. H. Fletcher*

**CASTORIA**

The Kind You Have Always Bought

Bears the Signature of *Chas. H. Fletcher*

**CASTORIA**

The Kind You Have Always Bought

Bears the Signature of *Chas. H. Fletcher*

**CASTORIA**

The Kind You Have Always Bought

Bears the Signature of *Chas. H. Fletcher*

**CASTORIA**

The Kind You Have Always Bought

Bears the Signature of *Chas. H. Fletcher*

**FREE If it falls**

Green Raven is the name and mark we have adopted for a Cough Syrup that is absolutely guaranteed to be an unfailing remedy for Coughs, Colds, Croup, Hoarseness, Bronchitis, etc. It is not offered as an imitation or substitute of any other preparation, but an improvement, an advance on anything in the line of Cough Cures heretofore manufactured. It is not like others. It is much better. It Cures.

**Green Raven Cough Syrup**

It is not nauseating; has no unsightly sediment; is not poisonous. It is palatable and readily taken by children. It is properly made and we will refund your money if it fails to cure. We freely and openly claim that this preparation cannot be excelled. We respectfully ask for an opportunity to prove our claim. There can be no better way than to try it.

MANUFACTURED, GUARANTEED AND SOLD BY

**THE HILLSBORO PHARMACY**

Four Ounces Four Bits

Pleasant to Take