CHINESE WOOLFLOWER

This was introduced from China by us three years ago and has proved a great success everywhere. There is not the slightest doubt but that it is the most magnificent garden annual. Its ease of culture and long continued season of bloom (early in July until frost), together with its massive clusters of wool-like flowers and glowing color combine to make it the showiest as well as the most cold and novel garden flower.

Plants grow two to three feet high, the blooms starting early with a central globular head which often reaches the immense size of two feet in circumference. Scores of branches are thrown out each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage so that a plant makes an immense bouquet splendidly arranged and set in the ground. None of the Koemias fade in any way until hit by frost, but all continue to expand and glow with a deepening richness of color, a deep crimson-scarlet.

SEED—10c per pkt., 3 pkts. for 25c

NEW EVERBLOOMING SWEET WILLIAM

Begins blooming in fifty to sixty days from seed, and continues in profusion all summer and fall. Also the following year, being hardy.

Truly everblooming in every sense of the word. Flowers large, clusters very large, and colors exceedingly varied and beautiful, ranging from pure white to blood red, pink, rose, crimson, etc. Such a bewildering array of superb colors so exquisitely combined it is hard to find in any other flower. SEED—10c per pkt., 3 pkts. for 25c.

AMERICAN MASTODON PANSIES

PERFECT MARVELS IN SIZE AND BEAUTY.

These Pansies have a robust vigor unknown in other strains. Flowers larger than the Trimmardca, with the substance and rounded form of the German strains, a touch of the Masterpiece in the artistic curves of the petals, the wonderful colors of the Orchid Pansies and a delicate fragrance like the video-scented.

The enormous size of blooms, nearly four inches across, clear tones of color and with wonderful tints and variegations and free flowering (punctuations, even through the hot summer weather, will be a revelation.

Mixed Colors—such as white with dark center, dark blue and light blue, pure white, black, lavender, violet, blue, bronze (new), royal purple (new), rose, cerise-red, red with silver rim, mahogany, yellow, unicolor-red, red and gold, lavender and gold, striped, margined, etc. 10c per pkt. of 100 seeds; 3 pkts. for 25c; 1/2 ounce, $1.00.

SPECIAL OFFER FOR 20c

We will send these three great Thoral Novelties and two more—five altogether—for only 20c, 3 lots ($1.15 pkt.), or 50c. See our catalogue for colored plates, culture, etc.

ORDER AT ONCE. THESE OFFERS WILL NOT APPEAR AGAIN

PRICE—mixed colors, postpaid, 25 for 50c; 100 for $1.25; 300 for $3.00.

NEW SEEDLINGS OF JAPAN IRIS

Immense Size—Wonderful Colors—Quick Blooming.

We have developed a wonderful strain of Hybrid Seedlings Iris Kaempferi that are marvels in beauty and perfection of bloom, with a wide range of exquisite colors in blue, lavender, white, pink, bronze, mixed, striped and mottled in every variety. These iris are perfectly hardy and bloom profusely, bearing large petals double and single flowers. Flowers seven to ten inches across on stems four to six high, and no two alike.

Strong Roots for quick blooming. 5 for 75c; 12 for $1.75; 100 for $6.20.

SPECIAL COLLECTIONS OF BEST BULBS

Being the largest growers of Gladoli we can make the following attractive offers for finest Bulbs and best sorts, All Postpaid.

$ OF THE NEWER AND FINER
GLADIOLI FOR 35c.

Every sort in this collection stands high among the very finest sorts of today. The $ for 25c.

Keddyke—Light yellow, crimson center.
Snow Cloud—White suffused pink.
Baron Hotly—Vine blue.
Attraction—Rose scarlet, white center.
Halle—Orange pink; very large.

ICE-PROOF MASTODON PANSY PLANTS

Special Offer for Spring Delivery.

Have a Beautiful Bed of Pansies at Small Cost

We grow young, vigorous plants of the Mastodon Pansy in open ground in September, so they are ready for delivery from January to May. For the Southern and Pacific States we can ship now. For colder latitudes shipments are made as early in spring as the plants can be put out. They are hardened by the heat of summer and snows of winter, and in spring are ready to jump into vigorous growth and bloom.

SEED—10c per pkt., 3 pkts. for 25c.

NEW DAHLIAS

Eight splendid sorts named, for 75c. A SPECIAL OFFER FOR 20c

We will send these three great Thoral Novelties and two more—five altogether—for only 20c, 3 lots ($1.15 pkt.), or 50c. See our catalogue for colored plates, culture, etc.

ORDER AT ONCE. THESE OFFERS WILL NOT APPEAR AGAIN

ADDRESS: JOHN LEWIS CHILDS, INC., FLORAL PARK, NEW YORK
What Five Dollars Will Buy in "Best in the World" Nursery Stock

The purchasing power of the Dollar has greatly diminished during the past two years. Yet, because we know how to buy, and where to do it most advantageously, Elliotts, of Pittsburgh, have to-day stocks unimpaired by heavy demands and greatly hampered importation facilities. Your Dollars here will buy just as much of just as superb quality as they ever did—possibly more! Increased growing facilities and better ways to do things in all departments enable us to offer to American garden hobbyists greater values in bigger variety than ever before. Here are a few collections obtainable for $5.00. Our catalogues, mentioned below, abound with liberal offers of this kind.

40 Unusual Hardy Plants and 12 Dahlias
A liberal Value in Newer Hardy Plants in 6 distinct classes, as follows, for $5.00:
12 Hardy Phloxes, Best Varieties
6 Listris, Kansas Gay Feather
6 Famous Hybrid Pyrethrum
4 Buddleia varaeabilis in four varieties
6 Choice Columbines in six varieties
6 Japanese Anemones, Assorted Varieties
12 Dahlias, Best Named, Our Selection

The lastly named Dahlias alone are worth $1.50. This assortment is a typical value of the sturdiest obtainable in hardy plants. We cannot hope for artistic, interesting and more beautiful gardens in this country until hardy plants come to be used more generally. Use either collection above or below to help attain this desirable end.

40 Flowering Kinds for $5.00
Here is what we consider an Ideal "Suburban" Collection of Ten Choice Shrubs, four of each kind, to help decorate the surroundings of the Garden home. Their respective blooming seasons cover a long period, some are adorned with brightly colored berries all winter. Here is what 5 Dollars will buy in "The World's Best" Shrubs:

A Garden of Glorious Roses $5.00
25 Roses in 25 best varieties for $5.00. This collection contains the best varieties of Hybrid Perpetuals, Hybrid Teas and Tea Roses in cultivation and includes the famous "Daily Mail Rose." Mad. Edouard Herriot, all strong, one-year-old plants, from pots and all grown on their own roots.

Remarkable Bargains in Ornamental Shrubs

The Four Finest Hardy Climbing Vines for America FREE
Evergreen Bittersweet
Polygnum Auberti
Ampelopsis Veitchii
Clematis paniculata

Japanese Iris, gorgeous beyond compare

Japanese Iris, gorgeous beyond compare

4 strong, healthy plants each of
Athebas, assorted
Barberry, Japanese
Rosa Rugosa, Japanese Rose
Cornus stolonifera (Red Cornel)
Regel's Privet
Fortunea's Golden Bell (Forsythea)
Lilacs
Hydrangea paniculata grandiflora
Deutzia Gracilis
Spiraea, Van Houtte's Bridal Wreath

Though our prices will be found much lower than those of most nurseries, they stand for stock of unsurpassed quality. We want to encourage the planting of more shrubs. At our prices you can afford to plant them in quantities.

Unique Combination Offer
In their entirety the above four distinct offers represent one of the most unique and desirable collections of Nursery Stock. Send $20.00 for all Four Assortments and we will add 1 strong plant each of

A Series of Catalogues
are mailed regularly every year to all who display interest in "The World's Best" Seeds, Bulbs and general line of Nursery Stock. Some Catalogues are ready now. Just send a postcard, mention this magazine and your name will be put on our mailing list. This will keep you in constant touch with horticultural progress as recorded at Elliott's! You will find the catalogues to abound with suggestions how to make the home surroundings more attractive. Please write NOW.
Do You Dare to Use Brilliant Color

Do you understand harmony by proportion? By tone? By lighting?

Would you have the courage to put a brilliant blue Chinese jar against a soft grey wall on a table of black and red lacquer?

Would you dare to use black moiré walls, black velvet hangings, black teakwood furniture, and three odd-shaped brilliant orange cushions on black velvet davenports, to set off your own fair coloring?

If you love color, but are timid about using it in your home, you should consult the

Interior Decoration

Number

APRIL

House & Garden

The distinctive note of modern interior decoration is the judicious use of brilliant color. This issue of House & Garden shows you how to get daring effects successfully; how to apply modernist principles to practical use; how to choose the right papers, hangings, and furniture, and how to group them successfully.

There is also a generous amount of garden advice for the April garden-maker, and several pages of house building helps.

If you have furnishing and decoration problems to meet this spring, be sure to reserve a copy of this Interior Decoration Number at your usual newsstand for 25 cents a copy.
ALL woods have certain uses for which they are especially adapted by reason of the peculiar qualities and characteristics which nature has given them; and on their proper selection for these uses hinges the whole problem of economy in wood construction.

Three centuries of experience in this country have demonstrated that no other wood lasts as long or gives such satisfactory service as **WHITE PINE**

for outside finish lumber—siding and corner boards; window sash, frames and casings; outside doors, door frames and casings; outside blinds; all exposed porch and balcony lumber; cornices, boards, brackets, ornaments and moldings; and other outside requirements, not including shingles.

If your lumber dealer is unable to supply White Pine, we should appreciate the opportunity of being helpful to you in securing it.

"White Pine in Home-Building" is beautifully illustrated and full of valuable information and suggestions on home-building. Send today for this booklet—free to all prospective home-builders.

"The Helen Speer Book of Children's White Pine Toys and Furniture"—a fascinating children's plan book, from which a child may build its own toys and toy furniture. Prepared by Helen Speer, the toy expert. If there are children in your home, send free on request.

**Address White Pine Bureau**
1319 Merchants Bank Building, St. Paul, Minn.

**The Vermont Slate Manufacturers' Publicity Bureau is a group of men who know roofs from start to finish. They're ready to advise you about your roof. Ask them today. The service is free, of course.**
COUNTRY ESTATES AND SUBURBAN PROPERTIES

The following properties have been carefully selected and are of excellent value:

Bay Shore, L. I. ("ELSAFLO") On the South Country Road.

A highly improved property of about one acre with continguously new three-story frame dwelling, with combination stable and garage in rear, located in the best section of BAY SHORE. House contains 11 rooms and 2 baths. Hot water heat, parquet floor, gas and electricity. Upper floor of garage contains two rooms and bath, hot water heat and electricity.

Nyack, N. Y. "North Mountain."

This home is located on a hill 250 feet above the Hudson River and comprises 150 acres—30 acres of which are cleared for agricultural purposes. 50 acres occupied by lawns, buildings, road and Hudson garden; 50 acres of woods

Netherwood (Plainfield), N. J. 831 Belvidere Avenue.

An exclusive suburban residence known as "SANMORS" on tract of 2 1/2 acres. The house is 2 1/2-story, solid concrete.

Forest Hills, N. J. (Newark).

A three-story frame residence—one of the prettiest homes in FOREST HILLS—built by a noted architect for his own home—located on main automobile road to PHILADELPHIA and AUSTRIA. House contains 14 rooms and 2 baths. Rental 1000.

Cranford, N. J. South East Corner Eastman and Miln Sts.

A three-story frame residence, suitable for restaurant, hotel or tea room, located on main automobile road to PHILADELPHIA and NEW YORK. House contains 18 rooms. Rental 1000.

Westfield, N. J. Corner Elm and Walnut Sts.

An exceptional suburban residence—out of the prettiest houses in WESTFIELD—built by a noted architect for his own home—located on main automobile road to PHILADELPHIA and NEW YORK. House contains 16 rooms and 2 baths.

Elizabeth, N. J. 850 North Broad St.

A well located home in one of the best sections of ELIZABETH. The house is of substantial construction, containing about 24 rooms. Sale of lot, 250,000. Suitable for high class private school or other institution.

Low Moor, N. J. On the Shrewsbury River and Ocean.

A three-story frame residence containing 15 rooms and 2 baths. Furnished. Rental of 25 rooms can be accommodated. Combination garage and stable, together with small parcel in rear. One hour from New York with excellent train service.

Highland Mills, Orange County, N. Y.

A high class summer hotel known as "HILLCREST HALL," with 150 acres bordering on a beautiful lake, together with many furnished cottages, offices and garage—premises for 250 people—Ideal for boarding school or summer residence. Will be sold without regard to value of improvements.

NOTE:—My Country Estates Department will serve you in buying—or if you have property for sale, let me consult with you.

FOR BOOKLETS, PHOTOGRAPHS AND FURTHER DETAILS APPLY TO
GENTLEMEN'S FARM

A N exceptional opportunity to purchase this desirable property, consisting of 3½ acres of well-cultivated grounds with vegetable garden and a variety of fruit-bearing trees.

Newly built house (rubble stone) twelve rooms, all modern improvements, electric lighting and telephone connection. The stable and barn have facilities to accommodate both carriages and automobiles.

Despite The Unusual Demand for country property this year, there are still many desirable places to be had, as the advertisements appearing here will show.

It is a fact that at the present time there are more real bargains being offered than ever before. The Real Estate Mart, presenting as it does, a diversified list of property, be it either the attractive little sea shore bungalow or the magnificent country estate, offers a wide range to select from.

Should you require any assistance in your endeavors, please consider the cooperation of this department at your service.

FOR SALE
A Quaint Old Farm House
Artistically Remodeled and Situated Amid Delightful Surroundings
with about two acres of ground. House contains large HRea room, six bedrooms and bath, kitchen and dining room; electric light, furnace, and is supplied with running water. Two fine bridges and motor roads.

Furnished Homes and Estates
TERRY and BREWSTER
Phone 362 BAY SHORE, N. Y.

I KNOW GREENWICH
and its environs, and can quote with entire confidence the best purchase price or rental figure on Estates, Cottages, Villas, Farms, etc., shore or inland.

Phone 646 GREENWICH, CONN.

BELLESHAM, Babylon, L. I.
March, 1917

THE REAL ESTATE MART

"PINEHURST" Great Barrington, Mass.

For Sale or to Rent Furnished—Delightful Town Property. 4 acres of lawns, gardens and orchard. Tennis court, stable, garage, children's playhouse, etc. Residence with all modern improvements—2 Master's rooms and 3 baths—4 servants' rooms and bath. Full particulars—Wheeler & Taylor, Great Barrington, Mass.

FOR SALE
at Somerville, N. J.

Property of about 12 acres is situated on the Southern slope of the Wachusett Mountain, overlooking the beautiful Nashua Valley, a view barely equaled by any in New England. The modern six-room house stands on high ground, has hot water heat, two bathrooms with sanitary plumbing and is lighted throughout with electric lights. The front porch is well finished and has a fine outlook. Living and sleeping rooms have hard wood floors. Large rooms with Riviera walls. The large garden is tastefully laid out and is a fine home for a family. Barns, poultry, chicken house, barracks, etc., are all in excellent condition and convenient. The modern six-room house stands on high ground, has hot water heat, two bathrooms with sanitary plumbing and is lighted throughout with electric lights. The front porch is well finished and has a fine outlook. Living and sleeping rooms have hard wood floors. Large rooms with Riviera walls. The large garden is tastefully laid out and is a fine home for a family. Barns, poultry, chicken house, barracks, etc., are all in excellent condition and convenient. The modern six-room house stands on high ground, has hot water heat, two bathrooms with sanitary plumbing and is lighted throughout with electric lights. The front porch is well finished and has a fine outlook. Living and sleeping rooms have hard wood floors. Large rooms with Riviera walls. The large garden is tastefully laid out and is a fine home for a family. Barns, poultry, chicken house, barracks, etc., are all in excellent condition and convenient.

TO CLOSE ESTATE
ATTRACTIVE HOME
All Improvements—With Barn Half Acre Plot
GERMAN VALLEY, NEW JERSEY
(Main Auto Highway to Morristown, N. J.)
Morristown Trust Company, Executor

FOR SALE
Old colonial mansion, opposite Fredericksburg, Va., and thirty-six acres of beautifully laid out grounds sloping to the Potomac River. The house has six master's bedrooms and three baths, ample servants' quarters with bath, electric lights, hot water heat and all necessary outbuildings.

I. W. VALENTINE, 373 4th Ave., New York City, N. Y.

IF YOU WANT BEAUTIFUL GROUNDS
Whether large or small, have a plan for them by an experienced Landscape Gardener.

Promiscuous, hit or miss sort of planting never looks well and costs more in the long run than working to a definite plan. Planting plans by mail a specialty. Send rough sketch for estimate.

GEO. B. MOULDER Landscape Architect Smith Grove, Ky.

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All Improvements—With Barn Half Acre Plot
GERMAN VALLEY, NEW JERSEY
(Main Auto Highway to Morristown, N. J.)
Morristown Trust Company, Executor

FOR SALE
Beautiful home containing six rooms, toilet and bath.
At South Norwalk, Connecticut.
Residential section of city. Nice neighbors. Good fishing, sailing and bathing, the property being directly on the water.
Modern improvements, including telephone connection, electric light, and up-to-date plumbing fixtures.
Ideal commuting distance to New York City, one hour and five minutes to Grand Central Terminal, express train service.

Note detailed description and full particulars in service column.

Address Box 201, c/o House & Garden
440 Fourth Avenue, New York City

GENTLEMAN'S COUNTRY HOME
(Furnished)
Bayshore, Long Island
ON THE GREAT SOUTH BAY
Modern all year residence, ten rooms, six bedrooms, bath, hot water, full basement, all modern conveniences, near New York by ferry boat. For further particulars communicate with owner.

TERRY and BREWSTER Phone 302 Agents Bayshore, N. Y.

GARDEN CITY HOME BARGAIN
Mortgage Company authorized sale, delightful home at low price; $4500; 12 rooms, 2 baths, large sunny living room, open fireplace, electric lights, gas, sewer, 6 bedrooms, decorated, piazza, private hedge, shrubbery, fine surroundings, tennis and golf nearby; easy terms.

F.W. SCUTT & CO., 336 Fulton St., Jamaica, L. L.

FOR SALE
BEAUTIFUL GROUNDS
Whether large or small, have a plan for them by an experienced Landscape Gardener.

Promiscuous, hit or miss sort of planting never looks well and costs more in the long run than working to a definite plan. Planting plans by mail a specialty. Send rough sketch for estimate.

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THE REAL ESTATE MART

MERRIEWOLD PARK
Sullivan County, New York

This Japanese Estate of 120 acres is offered for sale fully furnished and equipped and ready for immediate occupancy. Main dwelling built in Japan and exhibited by the Japanese Government at the St. Louis Exposition. In restricted preserve of 1500 acres with 2 large lakes. Elevation 1500 feet. 150 miles from New York. Nine hole golf course on property. Excellent hunting and fishing. 10 acres of Japanese gardens. Over 5000 rhododendrons. Unlimited water supply. Fully illustrated circular sent on request.

Payson McL. Merrill Co., Inc. Agent
9 East 44th Street, New York City
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FAMOUS GLADSTONE STOCK FARM

An exceptional opportunity to purchase at this time a gentleman’s estate located in the Bernardsville, Par Hills section of Gladstone, N. J. Within commuting distance of New York City. Landscape Railroad Club cars to near the Payson Club Chase Hunt Club. Containing money-making farms and pastures, 234 acres fully equipped with high grade beef, cows, chickens, all modern equipment. Equestrian Park, melons, strawberries, all modern accommodations, beautifully situated on a level and slightly shaded slope. Unique pair of dairy and stock barns, lots farm and numerous other buildings necessary to a fine estate. For terms and location with photos apply to

LOUIS KAMM, Inc.
NEW YORK, NEW JERSEY
Specialist in Country Property
10 East 44th Street, New York City
Telephone: 1400 Mulberry

AN ESTATE OF THREE ACRES
Bronxville, N. Y.

HOUSE, TEN ROOMS, set in grove of century old trees and well kept lawns, overlooks woods; stable, garage, chicken house, fruit. High grounds, surrounded by beautiful estates. The first time offered at bargain price.

Griffen, Prince & Ripley, Inc.
18 East 41st St., New York City

Roster of Reliable Real Estate Brokers

The standing of the concerns whose names appear in this column have been thoroughly investigated by the Real Estate Department of this magazine and are cordially recommended to our readers as being strictly first-rate. As specialists in their respective localities and environs, they are especially qualified to cater to your requirements—Communications addressed to them will bring prompt and authoritative replies.

BURKE STONE, INC., Offices, Bronxville
and Tuckahoe, N. Y.
TERRY & BREWSTER, Bay Shore, Long Island.
GEORGE E. BEARN, Greenwich, Conn.
E. T. DAYTON, Main Street, E. Hampton, L. I.
ANGELL & CO., Scarsdale, N. Y.
NORTH SHORE, J. Hart Welch, Douglas-
town, L. I.
GEORGE HOWE, 275 Fifth Avenue, New York City.
COUNTRY PROPERTY, Frank H. Knox, 21 State Street, Albany, N. Y.
JOHN HILL CARTER, Leesburg, Loudoun
County, Virginia.

WILLIAM H. MILLS, Along the Sound, Among the Hills, 7 East 42nd Street, New York City.
EDW. G. GRIFFIN & P. H. COLLINS, 10 Clinton Street, Newark, N. J.
MISS LEWIS, Specialist in Suburban Homes, 300 Fifth Avenue, New York City.
SOUTH SHORE, L. L., Jeremiah Robbins, Babylon, L. I.
H. NELSON EMMONS & CO., Ruxton's Bay and Cape Cod; Offices, Boston, Mass.
JOHN KNOX, Chamber of Commerce, 185 Church Street, New Haven, Conn.
FARMS & ESTATES, E. E. Slocum, Inc., 121 Broadway, N. Y. C.
CARL C. LOH, 9 Orchard Street, Tarrytown, N. Y.
NORTH SHORE, J. Hart Welch, Douglas-
town, L. I.

NORTH SHORE OF LONG ISLAND, 125 West 34th Street, New York City.
WILLIAM S. CHAPPELL, 10 East 42nd Street, New York City.
MATTHEWS & COMPANY, Cambridge, Maryland.
WALTER B. HOWE, INC., Princeton, N. J.
SHORE ESTATES, Gardner R. Hathaway, Marblehead, Mass.
C. H. BRADLEY, Dover, N. H. Farms and Summer Homes.

NORTH SHORE OF LONG ISLAND, Long Island City—Manhattan, Barron Thompson & Company, Inc., 10 Wall Street, N. Y. C.
NEW ROCHELLE PROPERTY, 11 East 44th Street, New York City.
RUPERT F. DARLING ORGANIZATION, 39 So. La Salle Street, Chicago, Ill.
GEORGE L. DELATOUR, 38 Park Row, N. Y.
Updike & Son, Trenton, N. J.

SAVO FLOWER AND PLANT BOX


SAVO MANUFACTURING CO.
Dept. C, 39 So. La Salle Street, Chicago, Ill.

Free Information Service will send you information about what to use in building or decorating, remodeling or refurnishing your home.

Information Service, HOUSE & GARDEN, 440 Fourth Ave., N. Y.
HODGSON Portable HOUSES

Are you thinking of erecting a small building? If it's anything from a bird house to a cottage—listen. Imagine doing away with the trouble, worry and extra expenses that go hand in hand with building. Imagine buying the best lumber all finished, painted and fitted—ready to be put together in a jiffy to form the exact house you want. That's exactly what buying a Hodgson Portable House means.

There are Hodgson bungalows, garages, play houses, screen houses, chicken houses, dog houses and every other kind of houses imaginable. Get a catalog and you'll see them all. They can be quickly and easily erected by unskilled workmen. They withstand all kinds of weather.

Here is the best way to buy. By paying 25% of the price of your house we will prepare and hold it until wanted. This saves you money and insures prompt delivery. Our catalog is illustrated with photographs—and prices, too.Send for it.

E. F. HODGSON COMPANY
Room 226, 116 Washington Street, Boston, Mass.
6 East 39th Street, New York City

Problem:
How Can I Sell My House?

Advertise it in the House & Garden Real Estate Department. Our columns are followed continually by prospective purchasers and tenants and by brokers who are looking for a place to meet the requirements of various clients. Get in touch with the Manager of the Real Estate Department either by 'phone, letter or personal call. He will be very glad to supply you with full information regarding this department.

Buy a Country Home NOW

More real estate bargains are being offered now than ever before. To find the kind of property you want, communicate with the Real Estate Service Department of House & Garden. We are in constant touch with real estate brokers who specialize in selected sections throughout the country. Men who can find you the kind of property you want if it is obtainable.

Manager of Real Estate Department

HOUSE & GARDEN
440 Fourth Avenue New York City, N. Y.
Telephone. 2092 Madison Sq.
Airedale Terriers

I AM OFFERING STOCK

From the greatest living sire, Champion Sukan Swiveller, one of the best known in the world, and from his influential dam, the famous Sukan Swiveller of Runnymede, dam of the late studying champion, Sukan Swiveller of Runnymede. These two wonderful sires have produced a great number of kittens, and many of them are now winning races. The puppies are all entered in the National Dog Show, and will make a great impression on the judges.

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My name

P. O. 

Rate
There are two kinds of editing: "Thank God" editing and scientific. The former is the method used by an editor who doesn't know what to put in his pages, and when they are finally filled says, "Thank God;" and the scientific is a charted policy whereby the greatest possible variety of subjects is presented in the given confines of an issue.

The success of House & Garden in the past two years has been due to scientific editing, and the promise of the April issue—which is devoted to Interior Decorations—is based on those principles. In no number heretofore has there been scheduled such a wealth of practical suggestions. They start with the first page and keep on moving to the very last.

Modern decoration is defined by B. Russell Herts and illustrated with examples of the work of the most up-to-date decorators. It gives you the last word on what is being done along these important lines today. Furniture grouping is explained by H. D. Eberlein, who makes clear the modern methods whereby space and effectiveness can be attained by merely grouping this chair and that table as they should be.

The neglected third story rooms are considered by Beresford Stanton, a third decorator who shows how they can be created into interiors of real interest and value. Bedrooms which lack personality are re-created by a fourth decorator, Agnes Foster, who considers the essentials for making delightful chambers.

Ship models, which are coming into vogue as a diverting accessory of decoration, are described and pictured by Costen Fitz-Gibbon, a fifth decorator.

These are only a few of the thirty-two features in the April issue, covering not only house matters, but many timely garden topics as well.
A GARDEN OF PERPETUAL INTERESTS

Visualize this garden as it was in the beginning—a sweep of field down from the road. One can see such a scene times on a country tramp. Then came the house, the grading of the terrace and the retaining wall of field stone with the steps leading down to the lower garden. In a hollow behind a row of sentinel arborvitae was sunk a pool, faced with flat stones from thenceabouts. It is a garden made of the things on the place. That is why it is so pleas-ingly fits its setting. And because a little human ingenuity has cooperated with Nature, it is a garden of perpetual interests; the more one looks at it, the more one can see. It is the home of Miss Jeanne Ingersoll at Penllyn, Pennsylvania.
TULIP TIME IN THE GARDEN

Two Tulip Places Where the Spring Is Welcomed with a Kaleidoscope of Bloom

MRS. FRANCIS KING

President of the Women's National Agricultural and Horticultural Association

A
s time goes on the lover and observer of gardening in its many forms cannot but notice the great appreciation of interest in spring-flowering bulbs. Among these nothing has sprung more quickly into favor under the public eye than the late tulip. One may consider it as firmly settled in American gardening affections for many years to come. And when ultimately the grower of these beautiful subjects shall have tried all the varieties in our own dealers' lists, all that he may have found in foreign ones—if he then sighs for more tulip worlds to conquer, think of the further joys that shall be his as he realizes that from that point on he is a collector!

He finds himself in the happy valley of a general knowledge of the tulip kingdom. He has now and only now qualified as one who may climb the pleasant lopes which lead to the knowledge of hybridizing, to that of the rarer varieties of tulip such as the Old English or Florists'. Membership in one or two of the small societies of enthusiasts in special tulips should now be open to him, and one of the lower summits of tulip satisfaction is attained.

TULIP ATTRACTIONS

Among the many attributes which endear this bulb to the gardener is its adaptability for use in small lots or gardens. Brilliant effects can be had in spaces almost absurdly small if spring flowers are used. Now these minute squares of color catch and delight one's eye in spring! And this is not only because gay color is welcome there. When a small and simple garden is successful—one in which its owner has had to consider the exchequer—there is always for the intelligent to admire the added matter of ingenuity in spending. The able use of money bears witness to a high quality of mind; and in a garden cherished by its possessor reflections of the mind of that possessor are quickly seen. To apply the idea to the larger and more notable garden, it is also the judicious outlay of money which will or will not be apparent. The memory of every lover of gardening will serve him truly if he recalls on occasion the great, bleak, barren gardens of his visits, gardens on which fortunes have been spent and from which he could only turn sadly away. And it is also true that with some fine exceptions the public gardens of our country are open to a like criticism by the fair-minded.

ON A PENNSYLVANIA HILLSIDE

There is in Pennsylvania not far from its great eastern city, in a country-side of gentle beauty so like the Sussex Downs that one often fancies himself in England, one of these charming smaller gardens on a hillside. A constant and changing beauty in flowers marks it, but in May, with all the freshness of the spring about, it is a flashing jewel with its tulips and abundance of other effective low-growing spring flowers.

On a day in mid-May we descend from a brick paved terrace shadowed by a great pine, to a gentle slope of turf toward this little garden, enclosed by a 4' hedge of clipped privet. On the right, still below the sloping ground, an old stone spring-house is seen, hung with clouds of lavender wistaria. White lilacs in full beauty flank the garden gate—a picket gate set in a white archway which supports a mass of rambler rose foliage at its freshest and best.

Through the green and white entrance we pass into a dazzling garden on two levels, turf-walked, privet-hedged, cedar-accented, framing a most delicate and unstudied effect of spring color in flowers. The gateway is halfway up the slope of the lower or perennial garden, and as we turn to the right we see, below the retaining
Under the maple tree below the retaining wall are benches and tables for tea, close to the wall fountain.

The wall which serves as a boundary for the lower end, benches and table for the al fresco tea set beneath the shade of the great maple tree.

Here are eight beds of tulips beautifully planted by those whose color sense is sure, a vision of loveliness about the tenth of each May. Tones of clear lavender, rich violet and paler and darker rose form the scheme. The effects thus created by the use of Darwin, Cottage and Breeder tulips and larger or smaller groupings of *Phlox divaricata* are those to cause an artist to rejoice, so perfect are they.

Below budding peonies, and as a foreground for iris leaves, is a drift of the delicious phlox we now begin to know so well, its lavender charmingly enhanced by loose groups of the tulip Bleu Celeste, of a medium violet hue, beyond it. To the left the soft, cool pink of tulip Flamingo shows itself in perhaps not more than five tall flowers—a suggestion to use a small number of these glorious blooms and thus rid some of us of the mistaken feeling that in numbers of tulips there is strength.

Farther on in the sunlit garden stands Flamingo again, with Dream in its pale lavender dress beyond; then green spaces of young leaves of delphiniums, with tulip Lantern's silvery blue next and tulip Clara Butt beyond. The mounds of young greens in varying tones among all these tulips of light, clear colors furnish a wonderful setting for the glories of the flowers themselves. Whether from a distance or close at hand, the composition is perfect.

The play of light and shade on such a garden is in itself memorable. *Phlox divaricata* in a background of shadow with tulips Bleu Celeste in sun in the foreground form a rich spring picture. Also the semi-careless arrangement of flowers with regard to variety in height and color strikes one at every turn as being remarkably successful.

An order of placing uncommonly good in this—tulips Bleu Celeste, Flamingo, Dream Lantern (syn. Nizza), Clara Butt with *Phlox divaricata* interwoven, and touches of the little grey leaved flax (*Linum perenne*) accidental in effect. Foliage of perennial phlox and the incised leaves of delphiniums form the green background for these delightful flowers.

A touch of running water adds much to the garden picture. It is here in a very simple manner. A wall fountain where the stream falls into a shallow basin made by half of an ancient millstone, flanked by a planting of *Iris Kaempferi*. This fountain is really below and outside of the garden and near the seats under the maple but fountain, jar, pond and sun-dial—this last is placed in the rose garden—all are upon the same axis.

Nora Ware, a very small lavender tulip, is used in the bed here. Dream stands back of it, flanked by the foliage of peony and lupine, with tulip Le Reve, beloved by all who know it, in the middle.

(Continued on page 64)

Within the white gate with its rambler cover, arch lies the garden, to be walked and bright with flowers.
THE FLOWER IN THE CRANNIED WALK

A Pathway Development Wherein the Scorned Weed that Grew Between the Stones Has Yielded to Flowers of Worth and Beauty

ROBERT S. LEMMON

ORE years ago than the chronicles of any but our oldest families can recall, a tiny plant clung to the soil between the bricks in a garden pathway of New Amsterdam. Now it came there no one knew. A stray, or perhaps, had blown in from the roadway caught on one of the Haarlemmerdijk's wooden shoes as she clumped home from her milking in the pasture meadow. The events the plant flourished, and beckoned for six whole weeks the watchful eye of the good housewife. Low and lying and tenacious of root, heedless of all care except the drenching red. From that day to this, the flower in the crannied walk has been banned.

THE USE OF PATHWAY PLANTS

Why? Well, I suppose the reason lies partly in the fact that theoretically walks are made merely to walk on, to lead to flowers rather than to grow flowers themselves. Then, too, the plants which generally find roothold in the crevices of bricks or flagging belong to that despised company generically known as weeds, and consequently are the sworn enemies of all good gardeners and flower lovers.

But consider. Is not all flower growing based on an appeal to our artistic sense, a stimulation of the imagination through our appreciation of beauty? And does not delicate contrast, a slight tinge of the unusual, perhaps, enhance the power of this appeal? The real flower in the walk, the well chosen and planted blossom that is no "weed," may add a touch that is no less desirable because seldom given.

Ideally, the pathway garden is a rare blending of flower color and form, a veritable landscaping achievement built upon careful thought and trial. Color harmony, contrast, succession of bloom, permanency—each deserves its share of attention, that a unified whole may result. Added to these considerations, or perhaps preceding them, is the fact that the walk itself must not cease to be a walk. Nothing within its borders should grow so tall as to be an inconvenience; nothing may spread so broad a carpet that it must perforce be trodden on. A mere meshwork of leaf and flower outlining some of the bricks or all of the larger stones is enough for the central part, with a few thicker masses at the less-used sides.

The walk that lies in the full glare of the sun is the one which most needs this relief of crannied flowers. Sometimes, as here, a pleasant mingling of formality and naturalness can be achieved. It is on the estate of L. H. Lapham, Esq., at New Canaan, Connecticut.
Both in its architectural background and its furnishings, the living-room reflects the character of the exterior of the house. The lines in both are simple and there are large, restful spaces in the room. Windows and doors are deep set, with scarcely any wood trim. At one end is a semi-circular stone fireplace and above it, as foil to the ruggedness below, a panel painted in pastel shades. At one end the ceiling breaks and midway hangs an oriol window opening from the guest chamber. How that window quickens the imagination? Place a candle there at night, and its radiance is as soft and mellow as the light of the room. From that gold bar can lean another blessed Damosel with lilies in her hand and the stars in her hair seven and—

The style of the house was suggested by the ancient manor houses of Normandy. The detail and grouping of features as expressed in the windows and gables is of the Tudor Period. This intermingling of styles is not uncommon in southern England where designers of that country crossed the Channel for the ensemble of their houses and enriched the almost unbroken roof lines and broad wall surfaces with charming Gothic detail. The view below, which is the rear, shows how advantage was taken of the contour of the land. The garage is located on the first level with a wide turn-around and drying yard before it.
Though the materials of construction offer no unusual features, distinction is given by the method of handling them. The exterior walls are finished in stucco and the roof shingling is carried out in a manner to simulate the rounded and softened lines of ancient thatch. The massing of the house, the grouping of the windows and the relation of the house to the land are reminiscent of the English work of Ballie Scott.

Throughout the house the woodwork is rough hewn, hand-adzed oak timber. The doors were made in the house. They are batten, held together with iron bolts. The strap hinges and latches were hammered out by a country blacksmith. Through this door one passes to the guest chamber—the room with the blessed Damocel window shown opposite.

The wide overhanging eaves, shingled to simulate thatch, cast deep shadows over the rough plastered walls. Leaded casement windows have been used throughout. The two combine to establish the character of the house, which is crystallized in this entrance porch deep in shadows beneath the Tudor arch.
The garden is a rectangle, 30' x 40', enclosed by a hemlock hedge that forms a background for the whole.

The opportunity to create a pink garden gave promise of bringing to realization a long cherished dream. When it came I approached my task with a thrilling undercurrent of joy, drew out my friendly note-books and metaphorically turned loose my imagination. In spite of a certain fund of knowledge and the most painstaking care in working out special combinations, the study proved more exciting than I had anticipated, and the first season's results, although altogether encouraging, were far from perfect. Tints that blended perfectly when viewed through the mist of memory, in actuality conflicted harshly; pink that when alone showed no cast of blue, when placed beside one of a slightly warmer tint proved impossible of harmonious use.

The predominating tone of the first season's experimentation was a soft, warm pink. But as this did not furnish sufficient variety a deeper accent of old rose, palest yellow and clear light blue was introduced for contrast. Strong colors of great dominance were used sparingly.

A pinkish lavender like Primula denticulata blended well with the predominating tone, as did lavender blues like Phlox divaricata or Polemonium reptans; but a certain class of rather pronounced pinks of a bluish tone like phlox Pink Beauty, Phlox subulata var. rosea and some peonies—which were pleasing when alone or combined with light blue—failed to harmonize with the warmer shell pink. Purple or magenta were, of course, impossible, and at the other end of the scale, a warm salmon color was equally undesirable. In fact, so subtle were the differences in tone that the only way by which I could be really sure of harmony was by visiting the garden frequently and pulling out the offending color must be uprooted as soon as they appear.

The garden is a rectangle 30' x 40', below the balustraded grass terrace and posing white portico of a large, formal, white house. The whole is shut in by a magnificent hemlock hedge which softens the harshness of the marble benches, the rectangular pool and white copings. When first I saw this little garden it was filled with a forest planting of pink begonias—pink, to be sure, but uninteresting.

Some people look with disfavor upon softening irregularity of herbaceous planting. "I like a plain garden best," cried a client of mine, viewing with a frown a blending of varieties and colors which designated a "messy" garden.
SPRING AND EARLY SUMMER

The shrubs and flowers other than bulbs are distributed as shown in this plan and table. The general effect is pink relieved by white and a touch of blue partially elimated.

Coincident with the foregoing bulbs were various other charming details: a dash of snowy white bloodroot; shy, pink and lavender hepaticas; early pink saxifrage (with its heart-shaped leaves of bronze); a tiny viola of an exquisite ashes-of-rose color; and Primula dentulata, rearing on erect stems its ball of lavender-pink or white blossoms. Tucked in every vacant spot were English daisies and blue and pink forget-me-nots. The gratuitous green foliage of the tall bleeding-heart with its arching sprays of pink relieved the barrenness of early spring. Its daintiness, Dicentra eximia, formed a border whose finely cut foliage and pink flowers were fresh until late in September.

Also, grey-green foliage harmonized so cunningly with the soft pink that I have planted Cerastium tomentosum, Veronica incana, arabis and grass pinks for next year.

The next mass effects consisted of Cottage and Darwin tulips in tones of clear pink, old rose, blush, carmine, primrose yellow and lavender. For a single strong accent of the dark maroon black of La Tulipe Noire. The “Glare of the Garden” and Bouton d’Or were too intense and had to be expurgated. In general, only one or two blooms of a deeper note are required for accents.

Accompanying these tulips were hosts of other spring flowers: snowy arabis, the miniature Iris pumila of sky blue and deep purple, pale yellow tufts of Alpopsis saxatile var. Silver Queen, and the tiny pink buds and nodding blue bells of Virginia cowslip. Above a mat of palest pink Pimpernel, another war. Bride, the white porcelain bells of white grape hyacinths nodded, while close by the blue ones combined charmingly with white checkered fritillarias. In still another spot the white camassias proved to be of exactly the shade of pink desired.

AFTER THE TULIPS

Closely following the Darwin tulips, and in fact almost coincident with them, was a pastel effect composed of German iris, (Continued on page 76)
TWO COMMANDMENTS

THE man who said these things was old enough to have his own philosophy of life. He was a lawyer of the old school—read his Blackstone as regularly as a preacher reads his Bible—fought in court and out of court, and had come to know the gold of life when he saw it, own and take the gold from the dross.

He said that, for his purposes, the Decalogue was overcrowded. After sixty-five years of active life he had reduced the ten commandments to two. These two, he held, covered the murder and the stealing and the slandering and all the other prohibitions of the old code. His are affirmative commandments, and they are very short:

"Be happy."
"Make others happy."

AEDEN is a public service. It is your contribution to the community. And a community is good to live in according to the measure in which each citizen does his share toward its betterment.

It is not enough that law and order be preserved. Such ideas are but one stage removed from the savage. Only the police and the judge and his truncheon stand between us and the cave man, if law and order are all we desire. No, it is the mark of civilization that not only the town but the man himself be beautiful, that the joy of the tulips and the columbine which they plant and care for may be shared with those who pass by.

It is logical, then, that when town fathers assemble to discuss the betterment of the community, they give serious attention to the idea that the town may be beautiful, that its gardens may be shared with those who pass by.

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WROUGHT IRON AND ROUGH CAST PLASTER

Between wrought iron and rough cast plaster is an unique harmony. Both have vigor of line and finish, both have the naive crudity that gives all handwork its charm. Hence they combine well, as here in the gallery of the residence of W. W. Lawrence, Esq., at Watch Hill, Rhode Island. The architect was Mott B. Schmidt.
ANTIQUE DESKS AND THEIR APPRECIATION

GARDNER TEALL

So finished have modern cabinet makers become that no antique piece exists but they can make a faithful reproduction of it. And the collection of faithful reproductions is a hobby all by itself. Here are shown a few of the historic types after which copies can be made. With two exceptions the photographs are by courtesy of the Metropolitan Museum.

The appeal of old furniture which has the merit of form, design and workmanship of high order is one that is not the reflection of a passing fad or fancy; it has come to be one of attachment and genuine sincerity.

If it took the greater part of the 19th Century to teach us the futility of fixing our affections on exaggerated novelties, such as those which dimmed the reign of Queen Victoria and boomed the Bunftones of the eighties, the 20th finds us discriminatingly chastened. We are tiring out of our houses, those of us who can, the pieces of furniture that once not to have been made, putting into their places old-time things of beauty, or whether it is not possible for us to acquire valuable antique pieces, the high-grade reproductions of old furniture that now grace the market and show no abatement in popular esteem.

In classifying the hobbies of several thousand collectors who had stated that...
Above is a tambour desk open and closed. The name is derived from the sliding doors which made this desk the ancestor of our modern roll top. The wood is mahogany with satinwood inlay. It is Hepplewhite in design, made in America in the late 18th Century.

wonders with the battered derelicts of the houses of yesterday by making the old pieces to shine forth in their glory anew; all of which lends encouragement to the collector and new zest to his traditional delight in the "hunt."

Upon first thought, a collection of desks might seem like a mastodonian assemblage; so it would be, if the collector placed them all in a row or all in a single room. But the house of today can accommodate—indeed, finds necessary—more than a single desk in its furnishings. And so the collector of old furniture has another impetus in his search, a utilitarian one. Under the term

Photograph by Wallace

example of an old Queen Anne escritoire in robin egg lacquer on walnut legs. The interior is cream lacquer. 1760

references, it was found that a greater number were interested in old furniture than in any one other subject. This fact is not strange, when one comes to consider the utilitarian case. Generally, the collector of old furniture starts in with the chance acquisition of two or three antique bits which, by inspiring interest and appreciation, lead him to wish to bring in other house-furnishings into harmony with the loveliness of the old pieces. Few collectors of antique furniture, of course, are without homes of their own, or the modern substitute—the long-lease apartment. The skill of the modern restorer of old furniture accomplishes

Photograph by Wallace

A fine William and Mary escritoire was made with a simple hood top in burr walnut inlaid with seaweed marquetry

The block front style of desk was also made in Rhode Island in the 18th Century without the top section. Mahogany has been used.
The house, Southern Georgian in architecture, stands on a high bluff commanding a great sweep of the James River and fields that during the Civil War were fought over by the armies of the North and South. The wide portico that graces the front of the mansion—a property recently placed on the market—is characteristic of the region.

Simplicity is found in both the architectural background and the furnishings of the dining-room. A high paneled wainscot circles the room. To one side is a Colonial mantel with a simple over-mantel panel above. The furniture is such as is required for the quieter entertainment and life of a country house far remote from the city.

The spirit of the rural South is found in the hospitable doorways and the comfortable furnishings that make for simple, dignified country living. The living-room shown to the right is an example of the type of furnishing that a country estate of this magnitude—it is some 5,000 acres—requires.
As It Should Be Filled Is Simple Enough When You
Know What Plants to Grow and How to Grow Them

ELEANOR R. GILLAM

Among the crispheads dependable for summer
use iceberg is a worthy leader. It matures in
sixty-five days from sowing

Prizehead at the left and Black-seeded Simpson beside it. The latter
is one of the best extra early, loose-leaved sorts, and should be in
every salad garden.

FILLING THE SALAD BOWL

URS being a family of salad lovers, I
found myself more or less in “deep-
ter” the year around. The more ex-
ting one’s requirements become, the more
re realizes the limitations of markets. So
finally decided to take the bull by the
horns, to study the subject from the ground
up, with the result that the salad prob-
lem becomes a salad blessing in which tasty,
very lettuce plays a most important part.

Since lettuce forms the most popular
basis of all salads, I began to study it first,
and things I have attempted proved more
satisfactory than the correct selection of sorts
which would best serve my purpose. It
developed that there are four distinct types,
of these I finally selected the kinds
which, to judge from the descriptions,
seemed to measure up to the requirements
nearly ideal fashion.

Of course, there were some disappoint-
ments. When I tried to grow in summer
its recommended for spring use only,
y quickly turned bitter and grew seed
stalks instead of heads. Again, when I
preceded to prepare salads from heads
own during August, using
the same dressing as I did
for the more delicately fla-
ered spring crops, the re-
ults were disappointing.

One of the new experiences which my experience inspired this
course on salads, offered
for the benefit of those
same gardeners who like
me as well as we do.

LETTUCES WORTH GROWING

There are four distinct
kinds of lettuce, the in-
dividual members of which
are very little in general
characteristics but very
rich in habit. Some grow
very quickly, making big
heads of leaves, and then
go to seed. Others make firm heads in the
spring, but “shoot” seed stalks as soon as
hot weather approaches. Still others are
very slow growers, but they also form the
most solid heads and go to seed only after
trying hard to rot inside before bursting.

The earliest of all lettuces to yield crisp,
tender salads in the spring I found to be
the loose-leaf sorts. After trying quite a
number, I decided that Black-seeded Simp
son served my purpose in as nearly ideal
fashion as any. It was ready for use, with
fine, big plants about 10” in diameter, in
forty-five days after seeds were sown. It
remained in perfect condition for two weeks
—at least four days longer than any of the
other early spring sorts. As a result,
it stayed in fine condition for flavory salads
just about a week longer, when my prize-
winner among the butterhead lettuces—
Nauniburger—yielded its first fine heads.

FOR LATER USE

Nauniburger, or Tenderheart, as it is
called by some, perfected its attractive light
green 10” heads in exactly fifty-five days
from the time the seeds were
sown. I have tested and
tasted many lettuces during
the last fifteen years, but I
have never found one to
surpass in flavor this splen
did butterhead sort, especial
ly when prepared for salad
with the French dressing to
which I shall refer later.

When later sowings of
Nauniburger produced seed
stalks or “bolted,” as the ex
perienced gardener calls it,
the crisphead lettuces saved
the day. The most attrac
tive and dependable of these
proved invariably to be Ice
berg. The first heads are
generally ready in sixty-five
(Continued on page
94)
Ahaz, the inky Ethiopian, takes you up in the iron cage to the tenth floor, deposits you in a bleak hall before a fireproof door. You ring the bell. The door opens. And you step into the jolliest little cottage this side o' Devon. Above is one end of the big studio that serves as the dining-, painting-, and living-room. The walls are golden grass cloth and the ceiling is golden too. The furniture, simple fumed oak and wicker, fits well into the scheme.

On the top of the page opposite is the other end of the studio. A big, overstuffed davenport in blue fills one end. Bizarre pillows are stacked on it. Above is a semi-circular mirror in a blue frame. The sconces at either side are blue touched with orange. The little table to the left has an orange tray on a blue frame. Golden orange and true blue is the prevailing combination. The rug has a deep pile in a rich golden tone. The color effects are interesting and restful. The room has the advantage of large spaces.

Because it had to serve a twenty-four-hour purpose, the utilitarian objects were arranged as to be both compact and convenient. Between meals the sideboard dresses ranks with orange and blue candlesticks and an orange tray, and looks perfectly in place. In the hall is a big inlaid cabinet to hold the family jewels, Fancher's scraps of paper and tubes of paint, together with sundry overshoes, brelbas, hats and dinner jackets, all neatly arranged and decoratively concealed.

The photograph directly opposite shows the artist as carpenter and his wife, the painter. (Mr. Fancher wielded the hammer and Mrs. Fancher the paint brush, she being also the designer of these decorations.) The white shelves with Breton pottery connect up with the woodwork of the room. The curtains are blue calico with orange fringe. Two lovely birds (see the blur) perch on a shelf above the shelves. If you despair of making that ghastly flat livable, here is one way of doing it—love birds and
If your first impulse is to ask “What does it cost?” you had better skip this article. It is directed to the person who wants quality first of all. Yes, to be sure, we all want quality, but here I am using the word in its fullest significance. And the searcher for quality first is usually one who does not study every penny to figure how many dollars’ return it will yield.

Frankly, I do not consider the dwarf fruit tree a really sound commercial proposition. There may be some cases where it could be advantageously treated in a commercial way, but generally speaking it is for those who want orchids for their buttonholes, and straight Havana cigars—in fact, for people who are really looking for the highest standard of quality and are willing to pay for it.

I am not trying to frighten anyone about the cost of dwarf fruit trees, for their prices are by no means prohibitive; but where you get ten apples from the ordinary standard tree you will get but one from the dwarf. The quality will be of the best, but disregarding the many other factors that make the dwarf fruit trees so desirable, and judging only by the pound for pound return, the standard type outweighs the dwarf. On the other hand, in the proportionate quantity of fruit produced, the dwarf trees are far preferable. When you see these sturdy little fellows carrying a load of fruit that even the larger type wouldn’t be ashamed of, you can’t help admiring them sincerely.

Disregarding economics, there are a number of sound, logical reasons for planting the dwarfs. Of these I would place quality first, for surely there is nothing more worthy of our efforts. There is no class of trees of any description that bears fruit of as high a standard, because of the better care they get. The situation is analogous to that of a person with a good suit of clothes, and another with a cheap one—there is more involved, and so better care is taken. And be it known that among the real aristocrats of the fruit family, the dwarfs are the acknowledged blue bloods.

What They Will Do

The dwarf fruit trees are particularly valuable to those who want quick results. Of course, you can’t pick any fruit the day after planting, but you can get a fair crop the second season from planting, and if you get good stock which has been properly handled you will get some fruit the first season. This may sound like a fairy tale, but it is not. I planted a number when they were in full flower after having been delayed somewhere in transit, and they carried considerable fruit the same season.

To people with very limited grounds, the dwarf brings within their grasp the possibility of having their own fruit, from their own grounds. The little fellows can be confined to a degree beyond our imagination and still continue to give results. Where possible it is advisable to give them a reasonable amount of growing space, but if necessary to reduce the growth to the smallest possible allowance, they can be trained on a trellis of some sort, and the space they occupy need not be much more than that given a climbing rose bush.

One of the greatest assets of the dwarf fruit tree is the ease with which it can be carefully cared for. This is another reason why it is generally better for the trees get better care, for they are the closest scrutiny at all times and any ease or attack of insects is at once perceivable. There are no ladders to climb, and spraying is easily done with a hand sprayer of the smallest type. With them, the fruit becomes a pleasure instead of a task. Summer pruning is also within reach. This practice is out of reason for the high headed type of tree, and if done it should be and the other cultural requirements properly attended to, fruit trees bear annually instead of following the natural habits of a great many of our standard kinds.

Another important argument in favor of the dwarfs is that because of their sturdy character they are little affected by wind storms, and often ruin quantities of regular fruit, causing it to fall before it is ripe. In addition, the dwarfs are again, have so much less growth to sustain that they can be used in green houses or frames without killing adjoining plants, or robbing the soil of every bit of fertility. If they are given a climbing rose bush, they are quite at home, either the vegetable or the flower garden.

What They Are

The dwarf fruit tree can be grown in a number of forms. Trained types coming in various shapes, cordons of various lengths, trellises, gridirons, etc. These require, require a trellis of some description, or they can be trained against a wall, the surface of a building, or some surface of the same kind as the trees are extremely ornamental, and can be used in garden effects of various kinds; they are attractive in flower, and are very interesting and pleasing during the blooming period.

Dwarfs must be grafted, and you cannot confine them, for unscrupulous dealers sell very low headed standard types as dwarfs, so get your stock from a reliable source. The dwarf will have a short jointed dwarf habit of growth, and when the latter is grafted to a standard, the teaching of the quince without in any respect changing the characteristics of the tree. The plum, which is the basis of the peaches should be worked into the blend, and so we can make in this way the best possible tree.

(Continued on page 31)
THE PLUNDER OF THE PAST
Now Being Purchased by Americans for the Glorification of Their Homes

CLIFFORD POPPLETON

is an interesting experience to attend one of the big dealer's sales. He has a collection, perhaps, of some Italian, Irish or English aristocrat, fine antiques shipped to New York under heavy insurance, and unpacked with a delicacy beyond conception of any but an egg merchant. It may be the collection of a departed street money-king, whose heirs have in that rich plunder of the past gone to New York under heavy insurance and unpacked with a delicacy beyond conception of any but an egg merchant.

You are probably surprised at the magnificence of the room itself. The light of luxury was not associated in your mind with the thought of sales by auction. Yet here are deep-carpeted, high-gabled chambers, murmurally alive with unknown voices in silks and furs.

The collection has been on display for several days, and many of those present have been here before and have now come re-grounded on a plan of action; these are prepared and finger their watches a little impatiently. Others are making a hurried investigation, jotting a note now and then. Everyone carries an expensively printed catalogue that has been lovingly compiled by the cognoscenti and printed in the best typographical taste.

The auctioneer is a mortal shrewd fellow. He has to be or he wouldn't be where he is. He looks around him with a glance and you have half a notion that he knows how much money there is in your set. He has a sharp eye and he wouldn't be here if he didn't. And you bear yourself accordingly.

The law of the great auction rooms is, simply, that the highest bidder gets the bid for. Reserve prices are the rare exceptions. The stuff is there to be sold for what it will fetch and your dollar is as good as the next man's. If competition is scarce you may buy a fine antique cheap, and if it is ripe prices go sky-high. Do you think it would be interesting to have a book that was printed two hundred and thirty years ago?

Do you think it would be interesting to have a book that was printed two hundred and thirty years ago?

One went for fifty cents in a famous auction room recently. The man who bought it might have been willing to pay twenty times the amount, or fifty, but he waited until he saw that no one else was going to bid, and then he said mildly, "Half a dollar."

At the same sale a copy of Burns' poems with an autograph note from the poet fetched the sum of nine hundred and twenty-five dollars.

But to pick up the thread again, observe that dealer over there, leaning, regardless of rules, against one of the exhibits, a heavy Jacobean cabinet. So far he has shown little interest in the sale, but now the auctioneer calls "53 A."

"What am I bid for 53 A?"

Silence.

"Come, give me a start please."

Silence.

"I can't sell it unless someone will give me a start. May I say ten dollars, will you let me say ten, it's a fraction of what it cost?"

"Ten."

The languid dealer has spoken.

"Ten I am bid, ten, ten, twenty, twenty, fifty, fifty, fifty, fifty, a hundred, a hundred, one hundred dollars I am bid."

Ah, Mr. Dealer, this is no "snip." Two more bidders have jumped in. An attendant puts the laughing bronze girl down on a table where she may be examined by latecomers. The clear, modulated voice of the auctioneer runs on firmly and fluently.

"One hundred, one hundred, one hundred."

A bald fact, true, but listen again. Is there nothing else?

"One hundred, one hundred, where's my hundred and twenty-five?"

There is a quality of restrained surprise in his tone. You feel that someone is wounding him in his finest sensibilities; you are not sure that so sensitive a man should be an auctioneer; he is as thin-skinned as the princess in the fairy tale who could feel a pea through several feather beds.

"One hundred, one hundred, where's my hundred and twenty-five?"

The bidding is against the languid dealer, who now raises his eyebrows an eighth of an inch.

"One twenty-five I have, one twenty-five, one seventy-five, two hundred dollars, two hundred dollars I have."

SHARP eyes, these auctioneers have, for the slight, significant movement. A peculiar glint in the eye, a nod hardly perceptible to the casual observer, or a slight twitch of the catalogue—they are all bids among the experienced.

"Two hundred, two hundred, two hundred."

Still a bald announcement, but his tone is (Continued on page 74)
CONTINENTAL COLOR FOR AMERICAN HOMES

Coming down the Lago di Garda you can see them—clusters of them clinging to the hill-sides like great brilliant clouds. You can see them in the sleepy villages of Bavaria and in the hamlets of Switzerland. For the native of the Continent has always painted the exterior of his house in brilliant colors and vivid designs. Crude though the technique may be, it lends an air of genuine interest to the house and indicates with what care and pride the owner has built it.

Here in America we have not gone much beyond tinting and painting our stucco houses, and the exteriors on which rich decorations have been lavished are few indeed. Perhaps the absence of these decorations is due to the fact that Americans are only now arriving at an appreciation of the value of strong colors in decoration. Doubtless, another generation will see exterior color more in use, and perhaps more decorative mural paintings.

On this page are glimpses of two American homes that are decorated with paintings laid directly on the stucco wall. One is the residence of Mrs. Helen Hartley Jenkins at Norfolk, Connecticut. Architecturally, the house is a bungalow save at one end where the living-room has been carried up a second story to provide for a gallery at one end and an upper row of windows. The timbers, which are exposed, are solid chestnut painted and left to weather. The entirety of the exterior wall, except where these timbers cut through the plaster surface, has been frescoed. The general background is a tawny tone and the figures, inscriptions and border designs are adaptations of old Slavic forms and peasant sayings painted in brilliant reds, greens and yellows. The artist was W. de Leftwich Dodge, the well-known mural painter.

The difficulty that confronted Mr. Dodge in the execution of his work was that the painting had to be done while the cement was still wet.

Frescoes And Painted Borders That Give Life To The Stucco House

Moreover, the position of some of the frescoes was not conducive to their permanence, for the picture required the overhanging eaves to protect them against inclement weather.

The other residence illustrated is the home of Mr. Dorf, on the Palisades. The walls were especially designed to provide places for the murals up under the eaves. In long panels between the stucco pilasters were painted sections of a large conti showing maidens walking through a flowery field. The work is modern in character and the colors brilliant. In time, of course, they will tone down and blend with the colors of the walls. Try to visualize the façade of the house without the murals and their value at once becomes evident.

Murals such as these designs of a simpler character, are perfectly feasible for many styles of stucco houses. The decoration may be nothing more than a stenciled band of color.

(Continued on page 33)
USHIONING THE COUCH AND THE DAY BED

Much of the distinction of a couch or day bed is due to the cushions that are upon it and the way they are placed. They are like the trimming on a hat. You can utterly ruin the looks of that model by screwing the gears in the wrong place and you can miss half the charm of that Adam day bed by failing to have the right cushions in the right places. This page is one of a series devoted to these small points of decoration. In January, curtains were shown; in February, French doors. If your individual decoration problem still remains unanswered, write The Information Service, HOUSE & GARDEN, 445 Fourth Ave., New York City.

On an Adam day bed of this type of enamel wood and cane there should be used, first of all, the foundation cushion. At either end should rest a long tubular bolster cushion and over them two flat square pillows. Such materials as taffeta, striped or plain, or certain of the more formal linens may be used.

The day bed or couch of Colonial design can be upholstered in a glazed chintz when in the bedroom. It should have the simplest form of lingerie pillows, showing neither lace nor embroidery, but a crisp ruffle trimming. As a day bed of this character is intended for use with simple furnishings, the pillows should be in keeping.

Below is shown the solution of a day bed problem. Between the rooms was a wide door which was closed up. Against this was hung a soft yellow silk curtain. The over-curtains and valance are of pale, cool, green taffeta with a tiny frilling of yellow which finishes the turn back hem. The day bed is covered in the same green taffeta piped in yellow, and at either end, by day, is an unusual oval pillow. Agnes Foster Wright, Decorator

Visualize an ivory white Continental type of day bed, decorated in small designs of black end with a touch of brilliant color. It is covered in black satin with one tubular bolster pillow of black satin decorated with jade green and with a jade green button at each end. Against this is placed an ivory white satin cushion with a center motif combining jade green, black and pale lemon yellow. Tassels and binding of pillow are lemon yellow with a touch of jade green and black.

The popular form of curved wicker settee requires this style of cushioning. The cushions which should repeat in design the features of the settee, may be of gay linen or chintz, or of heavy duck or linen, with futuristic decorations that might be worked in worsted.
THE LEGENDS OF THE MODERN NURSERY
AGNES FOSTER

The most disenchanting moment of one's life comes when one goes back and visits his old nursery.

How Time has shrunk it! The ceiling is not limitless after all, nor are the closets great, dark, mysterious holes. It is really a skimpy, homely little room.

But pity be to the grown-up who cannot smile at the gouge on the window sill that he made with his first knife thirty years ago, or at the putty holes in the headboard he picked out with his finger-nail one early Sunday morning, or at the bare front leg of the rattan chair he carefully unwound on an interminably rainy afternoon!

Nurseries are planned with more care today than they used to be, and the man of thirty years hence will have a richer heritage in the legends of his nursery.

WHAT NURSERIES ARE FOR

Happily it is now seldom that the nursery must also serve as the children's bedroom. When it must be used for a bedroom, the children should have their suppers in another room, because it is unpleasant for the children to have their suppers in and then being put to bed in another is conducive to the excitement of supper and them to be fed and put directly to bed in one room. When it must be used for a bedroom, the small table is just the thing for teas and fine crayon work!

The nursery should be considered the child's inviolate domain. His playthings should be kept sacred and he should be permitted to have some say about their disposition. Children have queer fancies; they like to keep certain toys in certain corners and on certain shelves. Why shouldn't they? We grown-ups have a favorite corner for our glove box and another for our handkerchiefs, and we wish them kept there.

Thwarting a child's fancies in these small matters may make him whiny and broken-spirited.

In the first planning of the room, provide sufficient shelving, closet and play-box space to accommodate the toys and trappings of the shield.

How They Are Being T (in New Curtains, Papers and Tiny Furniture

The walls should not be covered with brilliantly colored, grotesque figured paper. It is exciting and soon becomes tiresome to the child. A child is easily impressed by surroundings and reacts to them. If the decoration is crude and grotesque, his mental conception cannot help but reflect some of that crudeness. If the walls have a pleasant, refining line with a border of delightful fairy tale pictures, he is equally sure to be affected by them.

When a frieze is used it should be plain enough to be a mysterious decoration to the child. It should be well done, preferably of some fairy tale subject, with a black silhouette of fairies to remind the most charming nursery decoration. It has a mysteriousness about it which is more exciting and019

WALL COLORS AND MIRRORS

It is well to have the nursery walls washable, because in the case of a diphtheria or a semi-contagious sickness, walls may be washed down with a disinfectant. Then, too, young artists' stripes may be more easily washed, than run away from wallpapers, as they are unpenciled with a strong, heavy line wash was intended to "stay put."

Soft rose and blue are nice, suitable colors to use, though children sometimes have a prejudice against these colors whereas they varyably like low, gray, red or dark or the eternal neutral buff. A bad nursery is often the result of no response to children's fancies in colors as they are apt to be vain or priggish.

If a nursery is a mirror, a tary child is so apt to be some. Then, always another dancing, jumping or the other side. If a nursery is a mirror, a tary child is so apt to be some. Then, always another dancing, jumping or eter nown.

Photograph by Gillies

In the residence of Captain J. H. Poole of Detroit is a playroom especially designed to hold plenty of toys. Low benches circle the room and all the furniture is diminutive.

The small table is just the thing for tea and fine crayon work!
W. & J. Sloane, Decorators

At one end of the Poole playroom is the supper corner. On the drawers of the plaything cupboard to the left is painted, "A place for everything and everything in its place." Meaning that you must put away your toys before you can have supper.

They are ducky things, these curtain pats for the nursery window. The cords are white silk; ends are discs enameled white and painted blue, yellow, red and green. $1 a pair

Photograph by Gillies

A pair of yellow, red and green, enameled white and painted blue, silk with scattered flowers and charming designs. They are adaptable for side curtains where one wishes introducing some color as described and a small figured cretonne as upholstery.

An English block print with its beautiful clear fresh colorings and excellent design is extremely good for a nursery. The prints come in a quality of soft, finely woven cotton that makes them easily laundered. In a narrow width they are adaptable for side curtains where one wishes to introduce some pattern at the windows. The same designs may be had in soft cream Shiki silk with scattered flowers and charming designs and colorings, naive as childhood itself.

Soft blue alabaster, with a little ribbon with picot edges in light yellow would be a delicious winter nursery drapery. The furniture could be painted blue and striped in yellow. With a soft blue rug for the blue-eyed, golden-haired Little Lady—what could be more "suitable to her personality!" The furniture could be upholstered in a narrow blue striped line with flowers and tiny birds, an inexpensive but distinctly childish pattern always to be found in the shops.

CORNERLESS FURNITURE

Wicker is excellent for nurseries because it has no sharp corners and it can be easily re-dipped when it becomes shabby. A vacuum cleaner or a good, stiff beating with a padded stick will keep it clean. Wicker tables, if used in the nursery, should have wooden tops, as wicker tops give an unsteady surface for tea services and for fine crayon work!

Wicker combines excellently with painted furniture and mahogany. It gives lightness and variety, but it is important to keep it sufficiently heavy. A plain wooden furniture. It is immune.

(Continued on page 96)

Please examine this room without disturbing Curly Locks. The table cover is white oil cloth with a Dutch girl in the center, 36" side paper 30" wide; shiff or putty color; 60 cents a yard up. The frieze in blue or mouse color is 18" deep; 30 cents a yard up. Crib and combination wardrobe of ivory enamel. Dutch figures in blue. Crib, 48" by 24" and 36" high, $35. Wardrobe, 36" long, 15" deep and 42" high, $55.
Informality should characterize the planting scheme of rhododendrons. Here it is attained by the solid banks of bloom and their natural background of trees.

AS TO FLOWERING EVERGREENS

GRACE TABOR

Photographs by Nathan R. Graves

Viewed singly, the flower heads show unexpected delicacy of form and texture.

ALL evergreens produce flowers, of a kind; but not all produce flowers that are noteworthy to any but the simon-pure botanist.

I am moved to the making of this pseudo-apology by reason of the botanist's well known jealousy of exact terms. I stand in great awe of the botanist; and I know that I have not, strictly speaking, a right to distinguish as "flowering" evergreens the plants which I am here about to consider. But it is a phrase that means a great deal more to the layman than the botanist.

Besides the white, rhododendrons may be had in various tones of pink and red.

Besides the white, rhododendrons may be had in various tones of pink and red. It is, it seems to me, notable that the show in American woods.

An excellent example of a rhododendron planting on a suitable hillside location.
that of a purely American shrub which is evergreen in its habit, the native laurel or calico bush. In the cases of it which Nature plants, furnishes a display of floral splendor hardly surpassed by anything in the world, and certainly excelled by only a few things. Its near relative, the rhododendron, owns all over the world, practically, but laurel is distinctly a North American species.

These two belong to quite a wonderful plant family, a family which it is necessary to know if we are really to know anything about evergreen shrubs; and as the whole family shares to a marked degree the same likes and dislikes, it requires the same general care and attention. I am going to enumerate such of its numbers as we, our gardens, have occasion to come acquainted with.

THE HEATH FAMILY

The name of this family is Healea to the botanist; to the name of common speech, heath. The heather of English moors has probably the greatest general popularity of any of the breed, and has been praised in song and story with greater sentiment than all of the rest. All heathers are members of the family, and being so abundant have given the common name which they gained from the waste spaces wherein they grow—"heath"—to all their relations.

So then we come to the rhododendrons and the laurel and the azaleas, as well as to an interesting little shrub which is called Labrador tea or wild rosemary in the folk tongue—Ledum latifolium in formal speech. The leaves of this are somewhat aromatic and it is said that they were dried and used as a substitute for tea during the Revolutionary War. Many things served as such substitutes in those days.

PECULIARITY OF GROWTH

Running the gamut in plant individuality though they do, there is yet one thing which is especially mentioned in connection with every one of these widely differing allied species, wherever they are described and their habits noted: "grows best in a moist, peaty or sandy soil." Without exception, this is their preference.
THE NOBLE DANE
A Country Place Dog of Fine Lineage
and Exacting Points

WILLIAM HAYNES

Photographs by R. W. Tanney

The Great Dane's head is very expressive of his noble character. The head points of any breed of dogs are their most distinguishing characteristic, and Great Dane breeders have with great care developed the heads of their dogs to a point of fine perfection. The skull is long with a slight crease up the center. The cheeks must be as flat and smooth as possible. The forehead is long and broad and deep with a square, blunt muzzle and a large nose. If the bridge of the nose is not wide enough, the dog, when viewed in full face, looks snippy, and should the proper depth of the muzzle be lacking and the lips too tight and wanting in squareness, the dog, in profile, looks what fanciers call "snouty.

Of course, a combination of these two faults will quite ruin a Dane's head, giving it a common, underbred appearance. The Dane's correct expression, alert and masterful but without the slightest suggestion of meanness, depends very largely upon small, dark eyes set under prominent, well-developed eyebrows. Neatly cropped and well-carried ears add a great deal to the dog's dashing anti-cropping effect. Because he has all of these desirable attributes of the large dogs and because of his courage without the necessity of being reckless, and he is calm and gentle because he is conscious of his strength.

WHY THE DANE FITS

Because he has all of these desirable attributes of the large dogs and because with all his great size and powerful strength he is a dog of fine symmetry and extreme gracefulness, the Great Dane has continued to hold his own in this day of the terrier and the toy. It is rather curious that the biggest of all the big dogs, the one whose name is Great Dane, should have retained the favor once enjoyed by all big dogs in these times when size is no longer an especial recommendation. He has done so because there is nothing unwieldy nor lumpen about him—although an active dog he is never clumsy. Lithe and graceful as a tiger, with hard muscles that ripple under his fine satin coat with his every movement, he is an impressively powerful dog. His calm courage shines out of his bright eyes and shows plainly in the proud carriage of his great head. He fairly commands that the adjective "noble" be linked inseparably with his name.

Extremely large dogs are very often tall at the crupper than at the shoulder, a fault that is usually combined with straight, stiff hindlegs, and straight hindlegs, in turn, result in a jerky, ungraceful movement. Much closer are proper conformation and thoughtful breeders. But is there is the best reason for demanding the perfect symmetry in the Dane. For the same reason, that dogs that are markedly low behind than in front—a malformation stigmatized in the Continent as "lyea dog"—are in particular disfavor.

The German measurements also require that the line down the back from the point of the shoulders to the crupper be one-fourth longer than half of the dog's height. It is not only the best reason for demanding perfect symmetry in the Dane. For the same reason, dogs that are markedly low behind than in front—a malformation stigmatized in the Continent as "lyea dog"—are in particular disfavor.

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A LITTLE PORTFOLIO OF GOOD INTERIORS

The design of this Little Portfolio is to assemble each month a group of rooms in which the distinction has been gained through applying the principles of decorating. They also show the trend of the trade as it is set by the latest work of interior decorators and architects. Invariably do they contain helpful suggestions. But if your individual decoration problem is not suggested here, write The Information Service, House & Garden, 441 Fourth Avenue, New York City.

The top of the page is end of the living-room in the residence of Herbert Lee Pratt, at Glen Cove, Long Island. The floor is of brown tile set in mortar with a mixture of limestone. The stone has been used up to the spring window arches; that the walls are plaster. The furniture is in brownish stain. A divan is upholstered in a red-green, black and white stripe. The pillows are black and white, and shades are of black and white stripe.

Photograph by Gillies

In the apartment of Mr. Chauncey Olcott is a little reception room off the living-room in which formality and hospitality have been well established in the furnishings. The walls and carpet are painted. A day bed upholstered in yellow stripe silk proves an excellent fitment for the room. The curtains are mulberry silk with glass curtains of rose silk. The general color scheme of the room is restful while the furniture and decorations give it personality and interest. It is the sort of reception room that establishes the character of the rest of the house— as that room should do.

Photograph by Johnston-Hewitt Studios
The three rooms shown on this page are in the residence of F. Peabody, Esq., at Lake George, N.Y. Above is the living-room. The woodwork and ceiling are painted cream. The walls are covered with a linen damask of a putty color. Blue and plum colored figured linens have been used for over-curtains with under-drapes of cream silk. Walnut and mahogany furniture is combined. Chinese jars have been converted into lamps. By the fireplace stands a bronze candle standard. The floor is stained dark and on it is laid an Oriental rug.

Off the living-room is a little card room in striking colors. Panels of paper in green, black, yellow and red alternate with painted panels in dark green with moldings picked out in a lighter shade. The davenport is covered with a scarlet brocade. Curtains are red and the rug is a neutral tone. The furniture is Cuban rosewood upholstered in red. A green lampshade tones in with the walls.

In the dining-room the walls are hung with a linen rep of brown and putty color stripes. The rug has the same tones. At the windows hangs a blue and yellow linen with double muslin curtains of cream silk. The lighting fixtures are bronze, and the two mirrors, gilt. A three panel screen by the pantry door is of leather.
In the residence of Mrs. Oakleigh Thorne at Millbrook, N. Y., is a Tudor room paneled in dark oak, that forms the architectural background for sturdy furniture of the same period. Above the paneling have been hung mounted heads. Wrought iron candelabra flank the fireplace. The chairs are deep and easy. It is a room of strong personality and definite historic affinities. The focal point of interest is the fireplace, it is of Caen stone with carved over-mantel above, the designs being consistent with the period of the room. An Oriental rug is on the floor.

A quiet bedroom corner is a desideratum for any home. It should be simple, restful and convenient. In this instance the furniture is mahogany and wicker, the curtains rose and white. On the walls is a two-toned stripe paper in rose. A tapestry firescreen in a gilt frame stands before the fireplace and over the mantel is a mirror of Colonial design in gild. The woodwork is painted cream. A rose colored shade completes the color scheme.

Dignity and comfort have been successfully created in the bedroom to the left, which is in the residence of Armand G. Smith, Esq., at Center Island, L. I. The walls are tinted a pale green and the upholstering of the bed and its cover are of the same tone satin. The rug is taupe. Some of the furniture is covered in rose and green, the remaining pieces being marquetry. The architectural background of the room is formal in its pilasters and panels. Over-door panels or grisailles are in low relief.
MAKING THE NEW GARDEN
How to Get Good Results the First Season in Your New Flower or Vegetable Garden, Hardy Border or Rose Planting
F. F. Rockwell

There is a commonly accepted belief that good results cannot be obtained from your new garden the first season. This idea has sprung from the fact that first-year gardens are generally not as good as others. But this is, in most cases, because the gardener has not carefully analyzed the problem he had to meet. From force of habit, in nine cases out of ten, the new garden is prepared in practically the same way as one that has been in use several years. To get the best results, however, the preparation should be quite radically different.

The characteristics of any soil which most directly affect its fertility are its physical condition; the amounts of available plant food; the humus contained in it; the degree of inoculation by certain "friendly" or helpful bacteria; and the amount of moisture contained. These are the factors—somewhat prosaic, perhaps, but nevertheless all important—which determine whether you will have big roses and plenty of them, asters as high as your head, tender and juicy beets as large as your head, tender and juicy beets and plump tomatoes, or struggling, half-starved, scrawny flowers and vegetables that will demand the apology from you to every visiting friend that this is only a "first-year garden, so don't be hard on it."

To get at the root of the matter, let us make a comparison between the new soil and the old and see what can be done to improve the former and make it more productive.

NEW SOIL VERSUS OLD

First there is the question of physical condition. If you dig down about a foot or so into the soil of an old garden, and then do likewise in the soil of a new garden, three things are likely to strike your eye.

First, on the old ground the top layer or surface soil is very much deeper; secondly, you will notice that it falls apart and crumbles into much smaller pieces, being comparatively free from large lumps, or, if there are any, they can be cut out by the spade, and also much more quickly the plant foods in it will be available and the better the crop.

The decayed vegetable matter, or humus, which it can be kept covered. All of the water saving or retaining capacity of a soil is determined by the amount of assistance they can render. When this season the benefit of fertilizers and manures added to the soil during several years. The results obtained are naturally credited to the fertilizers put on this spring. And when the same materials, put on new soil, do not give similar results, their failure to do so is wrongly attributed to the fact that the soil is new.

The decayed vegetable matter, or humus, already mentioned, also gradually accumulates in the soil. It is not directly a plant food, but its presence is essential for several reasons. In the first place it tends to keep the soil open and spongy, so that it can be worked with in spite of the moisture present in the soil, and can, therefore, be absorbed or taken up by the plant's roots. There may be, for instance, the same amount of nitrogen in the soil of an old shoe, a piece of charred bone, a forkful of well rotted manure, and a spoonful of nitrate of soda. So far as the plant is concerned, there is a great difference. The nitrogen in the nitrate of soda is available for use within a few weeks or months. That in the bone will become available only as it decomposes gradually during several years; while in the shoe sole will remain latent or unavailable for many years, as only a very small part of its surface will decompose each season to become soluble in the soil.

Right here there comes in another point which directly affects our problem of making new soil as quickly as possible. If the nitrate of soda, the manure, the bone and the leather should each be thoroughly ground up or pulverized before being added to the soil, they will all be available for the plant's use much more rapidly than if they were left in their original states. So it is hoed and cultivated, the result is to gradually fill it with vegetable matter which rapidly decays and gives it its darker color. The decayed vegetable matter, or humus, already mentioned, also gradually accumulates in the soil. It is not directly a plant food, but its presence is essential for several reasons. In the first place it tends to keep the soil open and spongy, so that it can be worked with in spite of the moisture present in the soil, and can, the free circulation of air through the soil and furnishes congenial conditions for a rapid increase of the bacteria in the soil. The vegetable matter in the soil becomes valuable for this purpose only as it decomposes—in other words, as it changes from vegetable matter into humus. As with manure and fertilizer, its benefits are felt not as soon as it is added to the soil, but several months, or even two or three years, in many cases, later.

BACTERIA IN THE SOIL

Bacteria in the soil—or, to be more exact, the expense of using a few polysyllables, bacteriological activity in the soil—are one of the important factors of fertility because through their development and growth invisible but extremely active and voracious little bugs aid very materially in changing insoluble and unavailable forms of plant food into forms that are soluble and available. Some of them do even more than this: they assist directly in feeding the plants. And as in the case of so many other conditions, the greater the number of these "little allies of the gardener" the more will they assist directly in feeding the plants, the more rapidly will they assist directly in feeding the plants.

The minute allies of the gardener, found in much greater numbers in old soil than in new, while they multiply with incomparable rapidity, there being innumerable generations of them in a single old garden, the amount of assistance they can render depends upon two things: the first is their distribution throughout the soil, so that they can lie in wait, as it were, to go to work the very first opportunity; the second is that they have conditions such that they will multiply rapidly. Under ordinary methods of cultivation it is very often before this rapid multiplication and distribution is accomplished and these favorable conditions prevail in any soil; that is another reason why the old garden is likely to make a better showing than the new. Last, but nearest greatest than least, commercial fertilizers and manures, the expense of using them is determined by the degree of fineness into which it is pulverized, the amount of humus it contains, and the thoroughness of the dust much work which it can be kept covered. All of the factors, as we have already seen, are likely to be in favor of the old garden as compared with the newly made one.

IMPROVING SOIL CONDITIONS

There you have the reasons why your new garden is so often disappointing. The practical question that remains is what can be done about it. A definite answer can be put forward, rather compactly, into the following five soil suggestions, which can be applied equally to the new flower bed and the vegetable garden. First, hardy border, shrub plantings, strawberry patch, or whatever it may be you are expecting to put out this year:

(Continued on page 90)
### HOUSE & GARDEN’S GARDENING GUIDE FOR 1917

A Condensed Ready Reference for the Year on Culture and Selection of Vegetables, Flowers and Shrubs, and for Planting, Spraying, and Pruning

Address individual garden problems to The Information Service, House & Garden, 445 Fourth Avenue, New York City.

#### SHRUBS FOR EVERY PURPOSE

<table>
<thead>
<tr>
<th>Shrub</th>
<th>Common Name</th>
<th>Height</th>
<th>Color</th>
<th>Season of Bloom</th>
<th>Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Edicaria</td>
<td>Butterfly shrub</td>
<td>6'-8&quot;</td>
<td>Pink, lilac, violet</td>
<td>July to frost</td>
<td>A new flowering shrub, but one of the best; sunny position and fairly rich soil. Flowers are delicately fragrant.</td>
</tr>
<tr>
<td>2. Jacinthus Floridus</td>
<td>Strawberry shrub</td>
<td>4'-6&quot;</td>
<td>Brown</td>
<td>May</td>
<td>One of the best of the smaller shrubs; very fragrant. Very free flowering; a great favorite for grouping.</td>
</tr>
<tr>
<td>3. Rubia</td>
<td>Szechuan pepper bush</td>
<td>5'-7&quot;</td>
<td>White</td>
<td>July-Aug.</td>
<td>Very fragrant; good for borders; easily grown.</td>
</tr>
<tr>
<td>4. Lonicera periclymenum</td>
<td>Pearl bush</td>
<td>5'-6&quot;</td>
<td>White</td>
<td>June</td>
<td>Very attractive; very fragrant.</td>
</tr>
<tr>
<td>5. Lythrum salicaria</td>
<td>Golden Bell</td>
<td>4'-5&quot;</td>
<td>Yellow</td>
<td>April-May</td>
<td>Very fragrant; a shrub of great beauty.</td>
</tr>
<tr>
<td>6. Lilac</td>
<td>Flowers in the garden</td>
<td>4'-6&quot;</td>
<td>Yellow, pink, yellow, red</td>
<td>May-June</td>
<td>Very fragrant; a valued and favorite shrub.</td>
</tr>
<tr>
<td>7. Philadelphus</td>
<td>Mock-orange</td>
<td>6'-10&quot;</td>
<td>White</td>
<td>June</td>
<td>Fragrant; nice foliage; grows well even in moist spots.</td>
</tr>
<tr>
<td>8. Rhododendron</td>
<td>Flowering plum</td>
<td>8'-10&quot;</td>
<td>Pink</td>
<td>May-June</td>
<td>A shrub of exceptional hardiness.</td>
</tr>
<tr>
<td>9. Sambucus</td>
<td>Fothergilla</td>
<td>5'-6&quot;</td>
<td>Yellow, pink, white</td>
<td>June-July</td>
<td>Of robust habit, blooms profusely, and easy growth. (Eva Ratilke especially fine; flowers continuously; very deep color.)</td>
</tr>
</tbody>
</table>

#### For Individual Specimens

<table>
<thead>
<tr>
<th>Shrub</th>
<th>Common Name</th>
<th>Height</th>
<th>Color</th>
<th>Season of Bloom</th>
<th>Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Robinia</td>
<td>Rose of Sharon</td>
<td>8'-12&quot;</td>
<td>Rose, white</td>
<td>Aug.-Oct.</td>
<td>Among the best of tall shrubs; very hardy; W. R. Smith (new) especially fine.</td>
</tr>
<tr>
<td>4. Heuchera</td>
<td>Groundsell tree</td>
<td>15'-20&quot;</td>
<td>Rosy pink</td>
<td>Apr.-May</td>
<td>Very attractive; many different forms; long lived.</td>
</tr>
<tr>
<td>5. Weigela</td>
<td>White fringed dogwood</td>
<td>8'-12&quot;</td>
<td>White</td>
<td>May-June</td>
<td>Very distinctive and attractive in appearance; flowers resemble fringed decoration.</td>
</tr>
<tr>
<td>6. Corylus</td>
<td>Smoke tree</td>
<td>15'-20&quot;</td>
<td>Red, white, blue, smoke colored</td>
<td>July</td>
<td>Not symmetrical in shape but very striking; foliage highly colored in autumn.</td>
</tr>
</tbody>
</table>

#### For Hedges and Screens

<table>
<thead>
<tr>
<th>Shrub</th>
<th>Common Name</th>
<th>Height</th>
<th>Color</th>
<th>Season of Bloom</th>
<th>Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Hydrangea arborescens</td>
<td>Rose of Sharon</td>
<td>3'-4'</td>
<td>Rose, white</td>
<td>Aug.-Oct.</td>
<td>See above; plant close, 15&quot; to 18&quot;.</td>
</tr>
<tr>
<td>3. Hydrangea</td>
<td>Hydrangea paniculata</td>
<td>6'-10&quot;</td>
<td>White</td>
<td>Aug.-Sept.</td>
<td>Very attractive; many different forms; long lived.</td>
</tr>
<tr>
<td>4. Hibiscus</td>
<td>Japanese quince</td>
<td>6'-8&quot;</td>
<td>Bright scarlet</td>
<td>Early May</td>
<td>Color changes; very hardy; one of the best late flowering shrubs; enormous flower sizes.</td>
</tr>
<tr>
<td>5. Hydrangea syriaca</td>
<td>Spirea</td>
<td>4'-6&quot;</td>
<td>White, pink</td>
<td>May-June</td>
<td>Most popular formal hedge plant; plant close, 8&quot; to 10&quot;; prune to shape frequently.</td>
</tr>
<tr>
<td>6. Hydrangea serrata</td>
<td>Smoke tree</td>
<td>15'-20&quot;</td>
<td>Red, white, blue</td>
<td>July</td>
<td>Set 15&quot; apart; makes a dense hedge; requires a little pruning.</td>
</tr>
</tbody>
</table>

#### VINES

<table>
<thead>
<tr>
<th>Vine</th>
<th>Common Name</th>
<th>Flowers</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Lonicera</td>
<td>Silver vine</td>
<td>Whitish with purple centers; A. Chinensis</td>
<td>Very rapid growing with dense foliage; good for arbors, trellises, etc. Edible fruits after flowering.</td>
</tr>
<tr>
<td>2. Akebia</td>
<td>Akebia</td>
<td>Violet brown; common center in spring</td>
<td>Good where dense shade is not required; very graceful in hedges.</td>
</tr>
<tr>
<td>3. Hydrangea</td>
<td>Trumpet vine</td>
<td>Very large trumpet shape; red or orange</td>
<td>Most popular of all vines for covering smooth surfaces such as brick and stone walls, etc. In setting out dormant plants prune back to 6&quot;.</td>
</tr>
<tr>
<td>4. Hydrangea</td>
<td>Virgin’s Flower</td>
<td>Fragrant pure white flowers in August and September</td>
<td>Semidelicately good for covering rough stone work, tall stumps, porch trellises, etc. Unique and attractive foliage.</td>
</tr>
<tr>
<td>5. Hydrangea</td>
<td>Hydrangea serrata</td>
<td>Foliage, green or green and white</td>
<td>Extremely hardy; good in place of English ivy in cold sections. Evergreen.</td>
</tr>
<tr>
<td>6. Hydrangea</td>
<td>Eryngium</td>
<td>Red, yellow, and white; very fragrant</td>
<td>Old favorite; one of the most popular for porches and trail covering. Sunny position; good variegated foliage.</td>
</tr>
<tr>
<td>7. Hydrangea</td>
<td>Hydrangea serrata</td>
<td>Purple or white; immense peduncled panicles</td>
<td>Of twining, not clinging habit; especially good for pergolas, etc. Attains great height with suitable support. Sunny position; rich soil.</td>
</tr>
</tbody>
</table>

#### SUMMER FLOWERING BULBS

<table>
<thead>
<tr>
<th>Flower</th>
<th>Height</th>
<th>Color</th>
<th>Season of Bloom</th>
<th>Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Tuber hyacinthus</td>
<td>12&quot;-18&quot;</td>
<td>White, crimson, pink, blue</td>
<td>July-Sept.</td>
<td>Plant in May in sheltered position, in groups, about 6&quot; x 6&quot;. Hardy.</td>
</tr>
<tr>
<td>4. Tuber hyacinthus</td>
<td>2&quot;-6&quot;</td>
<td>Pink, yellow, red, white</td>
<td>June-Sept.</td>
<td>Start in heat, or plant dormant roots in rich soil for storing.</td>
</tr>
<tr>
<td>5. Tuber hyacinthus</td>
<td>2&quot;-6&quot;</td>
<td>Yellow, white, red, orange</td>
<td>June-Sept.</td>
<td>Shattered, semi-shaded position, light rich soil. Store in warm place.</td>
</tr>
<tr>
<td>6. Tuber hyacinthus</td>
<td>2&quot;-6&quot;</td>
<td>White, pink, yellow, red, variegated</td>
<td>June-Sept.</td>
<td>Start in heat or outdoors after danger of frost, in deep, rich soil; thin and divide for good blooms.</td>
</tr>
<tr>
<td>7. Tuber hyacinthus</td>
<td>3&quot;-5&quot;</td>
<td>Pink, red, white, yellow</td>
<td>July to frost</td>
<td>Succession of plantings from April to June for continuous bloom; store cool for winter.</td>
</tr>
<tr>
<td>8. Tuber hyacinthus</td>
<td>3&quot;-5&quot;</td>
<td>White, yellow, scarlet</td>
<td>May-June</td>
<td>Single and double forms; easily grown; good for cuttings.</td>
</tr>
<tr>
<td>9. Tuber hyacinthus</td>
<td>3&quot;-5&quot;</td>
<td>White, red, scarlet</td>
<td>June-Sept.</td>
<td>Culture similar to that of gladioli. Plant 3&quot; to 6&quot; each way; take up or protect.</td>
</tr>
<tr>
<td>10. Tuber hyacinthus</td>
<td>4&quot;-6&quot;</td>
<td>Blue, pink, yellow, scarlet</td>
<td>June-Sept.</td>
<td>Culture same as above but should be stored for winter.</td>
</tr>
<tr>
<td>11. Tuber hyacinthus</td>
<td>8&quot;-10&quot;</td>
<td>White, pink</td>
<td>June-Sept.</td>
<td>Good for masses or borders; plant two clumps, in early spring. Store like gladioli.</td>
</tr>
</tbody>
</table>
# VEGETABLES FOR A CONTINUOUS SUPPLY

**NOTES ON VEGETABLES**

- **First figure under Directions indicates distance between rows; second between plants in row, either thinning or between hills.**
- **Drills are continuous rows, in which the seeds are sown near the top, and the plants even thinning or between hills.**
- **Rows have the plants at regular distances, but so near together that machine cultivation is attempted only by using this distance.**
- **Hills, which are usually enriched before planting, are often used as clusters of plants, generally about 5-8 or more.**
- **Thinning consists in pulling out the surplus seedlings as soon as most of the seeds are up.**
- **Hilling is drawing the soil up toward the roots of stems; often oversown—usually a slight hill is the best.**

<table>
<thead>
<tr>
<th>Vegetable and Type</th>
<th>Representative Variety</th>
<th>First Planting</th>
<th>Successive Plantings Weeks Apart</th>
<th>August or September for 50' Row</th>
<th>Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Beets</strong></td>
<td>Early Bountiful</td>
<td>April 15</td>
<td>2:3 to Aug. 15</td>
<td>1 pt. at 15' 4&quot;</td>
<td>In dry soil available; cover first planting 1&quot; deep.</td>
</tr>
<tr>
<td></td>
<td>Butea Improved</td>
<td>May 20</td>
<td>2:3 to July 15</td>
<td>1 pt. at 1' 4&quot;</td>
<td>Place poles before planting rich soil, then to be covered with straw.</td>
</tr>
<tr>
<td></td>
<td>Golden B.</td>
<td>June 15</td>
<td>2:3 to July 30</td>
<td>1 pt. at 1' 4&quot;</td>
<td>Eye-dump in slightly raised beds; thin to be covered with straw.</td>
</tr>
<tr>
<td></td>
<td>Early Leafy</td>
<td>July 5</td>
<td>2:3 to Aug. 15</td>
<td>1 pt. at 1' 4&quot;</td>
<td>In dry soil available; cover first planting 1&quot; deep.</td>
</tr>
<tr>
<td></td>
<td>Detroit Dark Red</td>
<td>July 15</td>
<td>2:3 to Aug. 15</td>
<td>1 pt. at 1' 4&quot;</td>
<td>For winter use sow about 3 months before harvesting.</td>
</tr>
<tr>
<td></td>
<td>White Sugar</td>
<td>July 30</td>
<td>2:3 to Aug. 15</td>
<td>1 pt. at 1' 4&quot;</td>
<td>In dry soil available; cover first planting 1&quot; deep.</td>
</tr>
</tbody>
</table>

- **Set out well hardened off plants as soon as ground can be worked; fertilize in rows.**
- **Light applications of nitrate of soda beneficial to keep mature heads from splitting; pull enough roots in rows for 1" of soil.**
- **First planting extra thickly only 1" to 1½" deep; thin early.**
- **Planting needs not be kept more than one deep; give the proper amount.**
- **Thin to 3 or 4 stalks in hill; transplant deep in dry weather, cultivate shallow.**
- **Give plenty of water; top dress with nitrate of soda; thin out as soon as possible.**
- **Erect hills with old composted wood ashes; add a heavy soil; protect from striped beetle.**
- **Since as much as 12 plants may be pulled off in 1' of soil.**
- **Careful to get seed thick enough; sow in deep, fine soil to get the best results.**
- **Sow in rich soil, thin first to 2" apart, thinning may be used for table; apply nitrate of soda.**
- **For shrub hills, thin to two or three hills from a foot.**
- **Thin to two plants when vines begin to crowd; watch for horsetails; protect from bugs.**
- **Cut off the young shoots; thin out as soon as possible.**
- **Erect hills; use plant support or stake; keep runners trimmed off; apply nitrate of soda.**
- **Use poison bait for crotalaria before setting out; hills of fruit trees may be used.**

**NOTES ON CONTROL OF INSECTS AND DISEASES**

- **Insects belong to four general classes:** chewing insects; sucking insects; mites; and gnats. The last three are usually of importance. The chewing insects can be controlled by plowing in the same soil or by using plants suited to the particular soil. The sucking insects can be controlled by using plants suited to the particular soil. The mites are difficult to control; the gnats are kept under control by using plants suited to the particular soil.

For control of sucking insects, the use of the appropriate plant, which fixes the nitrogen in the soil, is the standard control. For sucking insects, the use of the appropriate plant, which fixes the nitrogen in the soil, is the standard control. For sucking insects, the use of the appropriate plant, which fixes the nitrogen in the soil, is the standard control. For sucking insects, the use of the appropriate plant, which fixes the nitrogen in the soil, is the standard control.
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<th>Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>For Beds and Masses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aster (A)</td>
<td>18-30&quot;</td>
<td>Various</td>
<td>July-Sept.</td>
<td>Protect from peter beetle by hand picking and Paris green.</td>
</tr>
<tr>
<td>Begonias (TP)</td>
<td>12-18&quot;</td>
<td>White, pink, red</td>
<td>Aug-Oct.</td>
<td>Very free and continuous flowering; bushy, compact growth; good for edging.</td>
</tr>
<tr>
<td>Cosmos (A)</td>
<td>2-3'</td>
<td>Red, yellow</td>
<td>June-Oct.</td>
<td>Very free and continuous flowering; good for edging.</td>
</tr>
<tr>
<td>Cyclamen (A)</td>
<td>18-4'</td>
<td>White</td>
<td>May-June</td>
<td>Colors rather crude but bright; good effect distance.</td>
</tr>
<tr>
<td>Heliotrope (F)</td>
<td>12-24&quot;</td>
<td>Blue and white</td>
<td>July to frost</td>
<td>Fragrant.</td>
</tr>
<tr>
<td>Marigold (A)</td>
<td>10-36&quot;</td>
<td>Yellow</td>
<td>July to frost</td>
<td>Easily grown, finely flowering; select color with care, avoiding mixtures.</td>
</tr>
<tr>
<td>Nasturtium (A)</td>
<td>12-24&quot;</td>
<td>Mixed</td>
<td>June to frost</td>
<td>Especially good for heat flowers until soil gets too hot.</td>
</tr>
<tr>
<td>Petunia (A)</td>
<td>6'</td>
<td>Various</td>
<td>July to frost</td>
<td>For immediate show get old plants, but for a long season new plants just beginning to bloom.</td>
</tr>
<tr>
<td>Phlox Drummondii (A)</td>
<td>12-36&quot;</td>
<td>Brilliant</td>
<td>July to frost</td>
<td>Unused so all varieties, or keep in seed bed until first bloom opens before transplanting. (S B)</td>
</tr>
<tr>
<td>Salvia (A)</td>
<td>12-36&quot;</td>
<td>Various</td>
<td>July to frost</td>
<td>Unsurpassed, brilliant and harmonizing colors; many fine named varieties. (S B)</td>
</tr>
<tr>
<td>Verbena (A)</td>
<td>6-9'</td>
<td>Various</td>
<td>July to frost</td>
<td>Most brilliant for low, spreading, carpet growth; flowers to hard frost. (P or S B)</td>
</tr>
<tr>
<td>Ageratum (A)</td>
<td>12&quot;</td>
<td>Blue, white</td>
<td>June to frost</td>
<td>Compacting, upright growth; will not spread out over walk. (P or S)</td>
</tr>
<tr>
<td>Alstroemeria Sweet (A)</td>
<td>6'-12&quot;</td>
<td>Pink, white</td>
<td>April-July</td>
<td>Trailing or spreading; very graceful in a bed. (P or S B)</td>
</tr>
<tr>
<td>Bellis perennis (HHP)</td>
<td>6'-8&quot;</td>
<td>White, pink, red</td>
<td>March-June</td>
<td>Nest, compact; wonderfully number of little daisy-like flowers. (P)</td>
</tr>
<tr>
<td>Marigold (Fel. Sct.)</td>
<td>9'-12&quot;</td>
<td>Orange and white</td>
<td>June to frost</td>
<td>Dwarf sorts in named varieties very effective for narrow borders.</td>
</tr>
<tr>
<td>Zinia (Duf. Set.) (A)</td>
<td>12-18&quot;</td>
<td>White, blue</td>
<td>June to frost</td>
<td>Best blue edging plants, especially dainty. (P)</td>
</tr>
</tbody>
</table>

| **For Edges and Borders** |
| Antirrhinum (P)      | 24"    | White, red, yellow     | July-Sept.      | Select dwarf, medium or tall varieties as desired; stake tall sorts loosely. |
| Aquilegia (P)        | 12-36" | Pink, white, blue      | June-July       | Graceful, open habit of growth; fine in combination with other things. |
| Canterbury Belle (B) | 16-30" | Blues                   | June-July       | Termite in garden for bloom; started in heat will bloom first season. (P) |
| Delphinium (HP)      | 3'-4'  | Blues                   | June-July       | Excellent old favorites; withstands even plants on coast early in heat. (P) |
| 6'-12"   | Various  | May to frost          | June-July       | Select dwarf, medium or tall varieties as desired; stake tall sorts loosely. |
| 12-18"   | Yellow, orange |                | June-July       | Graceful, open habit of growth; fine in combination with other things. |
| 24"      | Mixed-yellow to blue |            | July-August    | For stronger flowering plants start early; use selected colors. (P or S) |
| 8'-15"   | Blue, white |                  | July-Sept.     | Old favorite but one of the most satisfactory; try improved named varieties; avoid crowding; cut flowers. |

| **For Shady Places** |
| Arcotis (A)         | 12'-15"| Rich, various           | June to frost   | Easily grown, give sunny situation; start in heat of outdoors. (P or S) |
| Astilbe (A)         | 18'-30"| Various                 | June to frost   | Protect from butterflies; mild for many flowers. (P or S) |
| Callicarpa (A)      | 12'-18"| Yellow (orange brown)   | June-Sept.      | Give plenty of sun, keep dead flowers cut off. (P or S B) |
| Chamaedaphium (A)   | 2'-8"  | White, pink, red        | August to frost | See above; start in heat for early cutting. (P or S) |
| Cosmos (A)          | 10'-12"| Yellow, red             | Aug to frost    | Exceptionally early growth; brilliant, rich colors; avoid crowding. (S) |
| Gypsophila (A)      | 12'-24"| White, yellow, orange   | June-June       | Unexcelled for use with other cut flowers; small sowing every month. |
| Poppy (P)           | 12'-18"| Mixed                   | July-August    | Cut opening buds; keep old flowers cleaned off; avoid crowded plants. (P or S B) |
| Salpiglossis (A)    | 12'-18"| White, pink, white      | July-August    | For stronger flowering plants start early; use selected colors. (P or S) |
| Schizostylis (P)    | 12'-30"| White, black-purple, blue, rose | August to frost | Old favorite but one of the most satisfactory; try improved named varieties; avoid crowding; cut flowers. |
| Sunflower (A)       | 3'-7'  | Yellow                  | August to frost | Very great; continuous supply; sunny position; keep cut. |
| Shasta Daisies      | 13'-18"| White                   | August to frost | One of the longest keepers, especially good; withstands over plants, or start early; seeds. |

| **For Cutting** |
| Centaurea (Sweet Sultan) (A)| 24'-30" | Rose, lavender | June-Sept. | Make second sowing; favorite old "Sweet Sultan." |
| Heliotrope (P)             | 12'-24" | Purple               | May-June   | See above; select most fragrant plants for stock. (P or S) |
| Marguerite Carnations (P) | 15"     | Blue to white        | June-June   | Bloom early from seed; give good support; select colors. (S B) |
| Mignon (A)                 | 12'-18" | White, yellow, pink, red | July to frost | Slow growth; cool, moist soil. |
| Statice (TP)               | 3'-4"   | Pale gold to orange   | July to frost | Free blooming one of the purest white. (S or S B) |
| Stocks (A)                 | 12'-24" | Lavender              | June to frost | Give rich soil; start indoors or in seed bed, and transplant twice to select double flowers only. (P or S B) |
| Sweet Pea (A)              | 2'-6"   | White, rose, pink, crimson, mallow | June-June | Plant deep, avoid overcrowding; water abundantly; keep old flowers picked. (P and S) |
| Wallflower (B)             | 12'-30" | Brown (yellow)        | July-Sept.   | Winter over or start early in heat to get flowers first season. (P) |

| **For Climbing** |
| Casuarina (A)            | 10"     | Canary yellow          | June to frost | Fringed, bright yellow flowers; very unique; rapid grower. (P or S B) |
| Cardinal Climber (A)     | 3'-5"   | Scarlet                | Mid-July to frost | New rapid grower; unparalleled for brillian displays; keep soil in good seed. (S or S B) |
| Delphinium (Hyacinth Bean) (TA)| 10" | Purple, white | Mid-July to frost | Easily grown; very fine flowering; good screening. (S) |
| Mimulus (A)              | 15'-30" | Mixed                  | June to frost | Unexcelled for use with other cut flowers; small sowing every month. |
| Morning Glory (TA)       | 15"     | Mixed                  | June to frost | Old favorite but greatly improved; for covering fences, rabbit bays, etc. as well as for use above. |
| Nasturtium (A)           | 6'-10"  | White, maroon, orange, white, rose | June to frost | Most brilliant for low, spreading, carpet growth; flowers to hard frost. (P or S B) |

Notes: "A" annual; "B" biennial; "P" perennial; "HHP" hardy perennial; "HHP" hardy perennial, half hardy perennial, and tender perennial.

Flowers, foliage, flower, nature, seed, and die in a single season.

Biennials become established the first flowers and seed the next spring or summer; by starting early or under glass, most of them flower the same year, like annuals.

Perennials flower and seed year after year; by early sowing many of them will flower the first season.

"Harmful" annuals, biennials, or perennials are those capable of resisting cold, and may be planted or grown with the hardy vegetables.

Half hardy biennials and perennials are those capable of regrowing from frost, but not of surviving the winter without protection.

In the Directions: "S"—now seed in the open, where plants will bloom. "S B"—now plants in seed bed or border, to transplant to permanent positions. "F"—plants from frames, greenhouses, or florists.
## CONTROL OF INSECTS AND DISEASES

### INSECT OR DISEASE

<table>
<thead>
<tr>
<th><strong>IDENTIFICATION</strong></th>
<th><strong>WHEN TO LOOK FOR</strong></th>
<th><strong>ATTACKS</strong></th>
<th><strong>CONTROL</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Asparagus beetle</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
<tr>
<td><strong>Caterpillar, green</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
<tr>
<td><strong>Cucumber beetle</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
<tr>
<td><strong>Cutworm</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
<tr>
<td><strong>Fly</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
<tr>
<td><strong>Thrip</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
<tr>
<td><strong>Leafhopper</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
<tr>
<td><strong>Leaf spot or rot</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
<tr>
<td><strong>Melon louse</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
<tr>
<td><strong>Potato beetle</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
<tr>
<td><strong>Squash bug</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
<tr>
<td><strong>Root maggot</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
<tr>
<td><strong>White grub</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
<tr>
<td><strong>Rust</strong></td>
<td>Throughout season, especially on half-grown plants and in dry weather; on under side of leaves.</td>
<td>Cagefly, carinivorous leaf miners, and various sawflies.</td>
<td>Spray with arsenate of lead before leaves open.</td>
</tr>
</tbody>
</table>

### WHEN TO LOOK FOR

- **In the Vegetable Garden**
  - **Asparagus**
  - **Cucumber**
  - **Potato**
  - **Squash**
  - **White grub**
  - **Melon louse**
  - **Leaf spot or rot**
  - **Root maggot**
  - **Potato beetle**
  - **Squash bug**
  - **Cutworm**
  - **Fly**
  - **Thrip**
  - **Leafhopper**

### INSECT OR DISEASE

- **Asparagus beetle**
- **Caterpillar, green**
- **Cucumber beetle**
- **Cutworm**
- **Fly**
- **Thrip**
- **Leafhopper**
- **Leaf spot or rot**
- **Melon louse**
- **Potato beetle**
- **Squash bug**
- **Root maggot**
- **White grub**
- **Rust**

### Control Measures

- Spray with arsenate of lead before leaves open.
- Use Bacillus thuringiensis (Bt) as a biocontrol agent.
- Practice crop rotation.
- Encourage natural enemies such as ladybugs and predatory beetles.
- Use insecticidal soap and neem oil for organic control.
- Monitor for early signs and act promptly to prevent infestations.

### Notes for This Table

- See note 41 for more information on insect and disease control.
- For a complete list of insects and diseases, refer to pages 41 and 44.

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**For Notes on this Table, see Page 41.**
THE RESIDENCE OF J. J. HAMILTON, Esq., at FIELDSTON, NEW YORK

A Dutch Colonial House of Conventional Lines But Unusual Plan

DWIGHT JAMES BAUM, Architect

The plan has avoided the usual hall, the living-room, dining- and porch opening up together. A large pantry serves also as one's dining-room. Interior trim is in oak; two fireplaces with Colonial elts. Walls are sand finished.

While symmetrical, the exterior shows the entrance off center. It is accented by a hood and lattice sides. The south wing forms a large porch while the north gives a liberal size garage. Walls are clad in 12" wide red cedar siding painted white with color relief in the blinds, which are an unusual shade of green. The chimneys are of rough red brick—"black headers"—overburned brick that was discolored and twisted in the kiln.

The second story reverts to the central hall type with four master's rooms and two baths. The owner's and child's rooms open into a large sleeping porch. The maid's room and bath connect with the kitchen by a private stairway. All of the woodwork is in white enamel.
RICH COLOR IN THE NEW CHINA AND GLASS

The discerning housekeeper will find here valuable suggestions from the March sales of china and glass. For the names of the shops address House & Garden, 445 Fourth Avenue, New York City. Or purchases may be made through the Shopping Service at the same address.

Color plays a great part in the new china, as in this set of Wedgwood porcelain. Borders are gayly colored flowers and edges are corrugated. Dinner plates, $10 a dozen; entree, $7.50; tea cups and saucers, $10 a dozen.

MARCH ushers in the China and glass sales which are now held semi-annually by most of the large shops. At the same time, when the attention of the buying public is centered on articles of this character, many of the new patterns and interesting novelties of the season are launched in the open market.

One of the new features in glass, and one that is very smart, is the group illustrated at the upper right of this page. It shows the amber glass in combination with the Venetian blue stem and base. The stem of the glass is twisted from the blue flaring base up to the bowl section on both the champagne and goblet glasses, while the highball glasses stand on a blue flaring base. The amber glass seems to be particularly popular this season, and in combination with the blue it is very decorative on the table. The goblets come for $35 per dozen, champagne glasses $35 per dozen and the highball glasses are priced at $20 per dozen.

A very attractive iced tea set which suggests refreshing drinks in the warm summer afternoons is illustrated at the upper center of this page. It shows an unusual frosted design of balls on stems which decorate the glass at regular intervals. The method of serving tea from a glass pot is attractive to many hostesses, the set consists of pieces and sells for $23. The mahogany tray, which is not included in the set, is of glass top and simply designed brass handle, and may be had for $5.50.

There have been many designs of marmalade jars brought forth, but one of the most attractive and unusual, and one especially suited for the summer home, is that illustrated at the top of page 49. The glass is very thin in both the bowl and saucer, the cover is of wood, hand painted decorations of fruit and flowers. These decorations come in strawberries, oranges, pears, and the handle is a small fruit in natural coloring. A small glass spoon with this, the bowl of which and the entire gaily decorated cover. It sells for $3.

For the hall or living-room table is shown a Japanese lily bowl on a wooden stand. Bowls may be had in yellow or green with fish flower holder. $1.25 complete.

The country house china has ovals in black and dark green with red flanking designs; red, green, and black border. Dinner set, $57.20. Plates, 65 cents; covered dish, $1.50.

Imagine amber bowls in combination with Venetian stems and bases. Stems are twisted actively; bases and flared. Goblets, $7 a dozen; champagne glasses, $20 a dozen.
An inexpensive piece of glass which is especially desirable for the home in the country is the fruit salad glass with plate made of American glass with a thumb design and a row of narrow ridges around both plate and top of the glass. They come at 50¢ per dozen.

Compotes are always useful, and the one shown at the lower left of page 48, made of silver, is most attractive in its simplicity, as it carries no cut work or decoration of any kind, but is gracefully molded with a short handle and cover. It particularly appeals to hostesses, as it is very inexpensive and exceptionally good value for the price of $1.00 high over all.

At this time of the season the woman wishes to think and plan for her country place, and is desirous of having smart as well as new designs in china. Color plays a great part in the china which is brought out this season, and several illustrations of this are seen on these pages. At the upper left of page 48 is an exceptionally smart design of Pickwood porcelain. The rim of the plate is corrugated effect border with a small brown and coloring near the edge. Inside the plate is a wreath of gaily colored flowers, while the flowers are also used to decorate the lower part of the cup and the saucer are painted similar to the plate. This porcelain is to be had in dinner sets as well as tea or coffee sets. The dinner plates are $10 a dozen; entree, $7.50 per dozen; tea cups and saucers, $10 a dozen.

The gay colors in a new design are illustrated in the set shown at the bottom of page 49. For a country home there is nothing more attractive than this brightly colored breakfast set, which can also be had in a dinner set. The bird and conventional flowers are colored with green, red, blue, and yellow on a white ground. The line at the outer edges of this porcelain is of a bright green. The breakfast set consists of eleven pieces and sells for $8.50. The dinner plates to match are $5.50 a dozen.

The Chinese influence, which has been so popular in furniture, also finds its way in the attractive decorations of the china. The plate shown in the center of this page is of Copeland-Spode china with Chinese pagoda design and an attractive Chippendale border. The predominating color is a soft greenish yellow, pink and blue in small decorative spots. This plate especially appeals to the hostess who wishes to have something distinctive on her table, and, as the Chinese influence has shown itself so prominently, many women are anxious to display the new tendencies on the table as well as in other portions of the house. These dinner plates are $20 a dozen, and the entree plates are to be had for $15 a dozen.

The bright and cool colorings which are so popular for the summertime are (Continued on page 84)
The well-equipped and seasoned home gardener recognizes four methods of under-glass gardening. There are the greenhouse, the hotbed, the cold-frame and those ingenious devices of later introduction which carry the frame idea right into the very garden—the "junior" frames, the vegetable forcers and the little miniature greenhouses which in their various forms furnish protection to plants growing outdoors.

In order to simplify matters, under-glass gardening in greenhouses is not considered here. That is largely work requiring considerable knowledge and experience to be carried on successfully. I would rather focus the reader's attention upon the simpler, easier, and less expensive methods to prove that under-glass gardening is highly desirable.

REASONS AND METHODS

Before going into details as to the intensive methods that may profitably be employed, let us consider the reasons for all under-glass gardening and the parts played by the different equipments in the working out of a "program." We plant seeds in hotbeds, set out plants in cold-frames—in short, employ under-glass gardens for four distinct purposes: To get an early start; to grow crops out of season; to lengthen the growing season, and to hasten maturity. The first two require hotbeds and cold-frames, while the last two may be accomplished with the help of simpler devices. And, lest the newcomer in gardening be mystified by the term "hotbed," let me state here that it is simply a wooden frame (or a number of them) which stands about 10" high in front, 18" high in back and a space 3' wide across, covered with layers of glass called "sash." Underneath this frame is a called sub-frame which extends about 18" to the soil and is filled with fresh manure, over which is spread soil about 6" deep. Fermentation of the manure causes heat from which the whole thing gets its name "hotbed." The cold-frame is a hole without the heat; manure, simply a boarded up window frame and covered with sash. It is especially good for the planted seedlings. In the hotbed, many of our popular vegetables, such as beets, carrots, radishes, lettuce, etc., may be grown to maturity. The cold-frame is an almost necessary companion to the hotbed since it may be used to take care of plants between seasons. In this manner, hotbed and cold-frame supplement each other.

EARLY LETTUCE AND OTHER CROPS

To illustrate, let us say we want to an early start with lettuce. Seeds may be sown by the middle of March and the plants will be large enough for transplanting within two weeks later. It is out of the question in most sections to transplant grown lettuce plants into the garden until April first. What to do? The answer is the cold-frame. In it, the plants will thrive gradually, start slowly and may be transplanted when properly hardened. To grow crops out of season, a hotbed (Continued on page 78)
Third Month

THE GARDENER’S CALENDAR

SUNDAY

3. Inauguration Day. Propagate in the greenhouses or heated frames all kinds of bedding plants, such as geraniums, cyclamen, stock, and polyanthus, for summer flowering plants such as Salvia, ageratum, etc.

4. Another date when two plants can be transplanted into the open ground.

5. Bostom Massacre.

Make a practice of transplanting everything just now, as it is received from the nursery, and do not let anything you are transplanting lie around exposed to the drying winds.

6. Planting of deciduous trees and shrubs should be attended to at the earliest date. The liberal sized holes, use a variety of good manure, firm the plants well with damp or your feet, and water well when growth begins.

7. Why not graft some desirable stock on your old fruit trees? This is an excellent way of propagating some good stock. Take strong, sound plums and apple trees and bury it out-of-doors until the proper time for grafting arrives.

8. Do not neglect to go over all trees and shrubs carefully and prune or destroy all crooked, dead, or weak shoots. A manure mulch applied under glass should be made ready now; plowing or good, manure mulch applied under glass needs attention. The surface needs to be loosened, and ordinary results.

SATURDAY

9. Why not plant a few young trees for your greenhouse during this month if you wish to commence a new greenhouse, a cop of weels, can be started up now and followed up by occasional sowing.

10. Next to a green frame of old fruit and vegetables and flowering plants in a cold-frame.

11. It is perfectly safe now to finish up pruning of all kinds of roses, hydrangeas, fruit trees, foliage shrubs, etc. The one exception is to spring flowering shrubs such as lilacs or apricots, which should be pruned after flowering.

12. When pruning always make a practice of cutting clean. Do not cut under any circumstances at the end of the shoots you never, and do not leave any prunings for transplanting lying around exposed to the drying winds.

13. Perennials of all kinds should be planted now. Early planting means an early start for the plants should come along with the weather. Late planting, on the other hand, means checked growth and ordinary results.

14. Most perennials should be divided every three or four years. This is not done they root bound and the winter flowering bulbs of hellebores and cacti should be divided and divided into four parts with a sharp knife for growing.

15. Andrew Jackson born, 1767.

Spray now for scale. Select good dry weather and be sure to cover every portion of the plant. If it rains with twenty-four hours use another spray. Again.

16. Rhubarb, asparagus, and horseradish should be hoed down now. Permanent root crops of this kind must have a rich, well prepared bed if you expect to get results that are fruitful. Anaphalis, etc., may be sown now in the greenhouse the winter flowering bulbs with success. Select dull, cloudy days, when the operation is done. Do not need quite such a tent as the evergreens are after the last winter's frost. This is the time to start propagating from the bulb a large quantity in at one time, out the cuttings in sharp sand, and keep them in the cold frame. Seeds of the single types can be sown now and will flower this season.

17. Finally, the asparagus bed needs attention.

The warmer month, applied last fall should be dug under, with especial care to get it in deep. If the shoots were short last spring, hill up the earth over the row to give the desired length.

FRIDAY

22. Be sure and get your brush before the leaves fall. Select the best trees, and be sure to cover every portion of the tree. You can get the best possible results.

23. Start drying off the winter flowering bulbs. Select dull, cloudy days, when the operation is done. Do not need quite such a one as the evergreens are after the last winter's frost. This is the time to start propagating from the bulb a large quantity in at one time, out the cuttings in sharp sand, and keep them in the cold frame. Seeds of the single types can be sown now and will flower this season.

24. The gardener should be made ready now for all pruning. Deep hand digging gives the plants plenty of manure and gets it down deep to distribute the roots downwards where they will do the work.

25. Start rooting dahlias cuttings by laying the bulbs in a frame and covering with ashes or sand. If you do not wish to root them in the house you can put them in sand and protect them at night. Work up a good soil of your best varieties.
Candlelight on flowers gives a gracious suggestion of old-time cheer. You can get the effect with an iron candle-holder of Elizabethan design, with a stand for flowers below the candles. 45" high; $15

Above, for porch, solarium or living-room, a wrought iron tripod with green Italian fruit or flower bowl; 40", $20

Left, a mahogany table, decorated in gold and dull colors, 20" high, $25.50; mahogany chair, reinforced back, $15.75; wooden mirror, soft burnished green, colored decorations, 24" $30; smaller, $25; hammered copper flower bowl, 8½" diam., $13; carved ebonized stand, $2

Mahogany spinet chair, tapestry seat, $14. Mahogany desk, 20" by 20" by 36", $75. Dull gilt wooden floor lamp, 5' 6", $20; illuminated yellow parchment shade, 14", $25. Philippine waste-basket, $3.50; brass candlesticks, 10", $6 pair; letterbox, Eastern designs, 10" by 10" by 6", $45
A friendly little knocker
for a lady’s boudoir door,
A good-luck horseshoe
painted iron with a
knot at the top,
A wreath of gay-
ed flowers. Its mea-
ments are 1 5/16" by
2"—its cost, $2.50.

Embodying the grace of reed;
a settee,
stained as you please, with a fitted
of figured English linen, 60" by 22" by
22 1/2", $60; cushion $15.50 extra; armchair
to correspond, 22 1/4" by 20", $33; cushion,
$6; a table, too, 36" by 28", $25; and finally
a lamp, 24" high, with silk shade 19"
diam., $21.50.

To withstand any assault, an
iron-bound log-hasket, stained
in weathered or brown oak,
each slat firmly mortised
through the stout end-pieces.
2' long, 18" wide, $16.

To close the eyes of the
house ever so little—the
thin undercurtains! These
are of hand-drawn mar-
quissette, and may be had
in ecru or white. They
are 32" wide and 2 1/2
yards long, and cost $1.50
per pair.

A particularly effective
filet mesh distinguishes
these undercurtains,
which have a narrow lace
edging for their further
adornment. They come
in ivory tone only, and
are 37" wide and 2 1/4
yards long, $2.55 per
pair.

For “finish,” both from
outside and inside point
of view, the plain net un-
dercurtains cannot be ex-
celled. The corner shown
above represents a set in
filet pattern, in ivory tone
only; 2 1/4 yards long.
$1.55 per pair.
Germination of the bean is followed quickly by an upward thrust to the light above. Two days later the stem and the bean itself are visible and assume definite shape. Another forty-eight hours, and the halves of the bean show in their role of cotyledons. The next week sees no great increase in height, but the leaf development is marked.

PLANT FOODS AND FEEDING

D. R. EDSON

Successful gardening means far more than the mere planting of seed or bulb and letting Nature do the rest. It is not enough to sow and trust; the underlying principles of plant growth must be understood and followed if the best results are to be obtained. The experienced gardener knows this, but few beginners do. For the inexperienced, then, Mr. Edson has written the series of which this article is the third, with the aim of setting down simply and understandably the whole story of the gardening game.—Editor.

The mystery of seed germination we have already looked into. The seed itself, as was explained, supports the little plant for some time after it takes form. Just when and how does the seedling become self-supporting? Through the action of the roots, the mechanical construction of which we will look into presently, moisture is absorbed from the soil, and passes along the roots through the main stem, to be finally distributed to the leaves of the plant. Before it begins supporting itself there is an intermediate stage during which the plant food stored up in the seed, root-stalk, bulb, or corm, contributes to its sustenance jointly with the roots. It is impossible to tell just when the plant becomes "weaned" and is able to do for itself. When digging potatoes in the fall, I have frequently found seed pieces, as sound and as plump as they were on the day they were planted, still attached to a fully developed plant. Some seeds quickly disappear entirely; others, such as beans and squash, are shoved up above the ground by the growing plant and form the fleshy seed-leaves or cotyledons as shown in the photographs.

FACTS TO REMEMBER

The first thing to fix in mind is that all the plant's food must be taken in liquid form—"in solution." This is the most important fact of all to remember, because it affects the whole system of cultivation from beginning to end.

The next noticeable thing is that a plant "swallows" up instead of down. Of course, it does not "swallow" at all in the true sense of the word, but its liquid food, after being taken in, travels upward, passing from the tiny root-hairs into little roots on which they grow, then along to the main roots and the stem, and finally distributed through the branches and the leaves. The third particularly striking thing about plant anatomy is that the plant wears its stomach on the outside—that is, the food is not digested, as might naturally suppose, in the roots, the stem, the branches, but merely passes through them to the leaves. There it is digested, or rather "eledicated"—that is, chemical changes correspond.
NEW WALL PAPER BACKGROUNDS FOR THE VARIED LIFE OF THE HOUSE

Walls constitute the background against which we live, and the choice of them depends upon the type of the life the room and occupant require. Bath­rooms should have restful walls, the halls should be dignified. Here are shown six of the latest designs. For the names of the shops write Murdock & Company, 452 Fifth Avenue, New York City. Or they may be purchased through the Shopping Service.

Summer dining-rooms require a paper that is not too diverting. Its tones should be soft and its designs sufficiently light to lend an air of restfulness and interest. The paper shown below has both of these virtues. The background is a mixture of grey and white, and the dogwood blossom design is in grey-blue. $1.20 a roll

The hall has an atmosphere all its own. It should be formal enough to receive strangers and hospitable enough to receive friends. In the paper below is found both dignity and interest. Warm grey stripes alternate with stripes of white on which are vines and flowers in a warm grey tone. 90 cents a roll

For the hall comes a Japanese design paper of subdued tones but interesting spirit. The background is pale grey and the flowers, fountain and birds are in two tones of darker grey. It sells for $1 a roll. With it can be used a black or a deep blue rug, a table and chair of black lacquer, and on the table a vase of rich crimson pottery

Walls constitute the background against which we live, and the choice of them depends upon the type of the life the room and occupant require. Bath­rooms should have restful walls, the halls should be dignified. Here are shown six of the latest designs. For the names of the shops write Murdock & Company, 452 Fifth Avenue, New York City. Or they may be purchased through the Shopping Service.
CAROATIONS AND THE OPEN BORDER
Using the Perpetual Sorts Outdoors in Summer
W. R. GILBERT

A wide range is possible in the perpetual carnation bed, as over 500 distinct varieties are now recognized.

thus giving time for the beds to be previ­
ously occupied by bulbs. To get the best out of border varieties fall planting is necessary.

The conditions for success with the perpet­
uals are simple. Plants which were struck late in preceding May and potted into 3" pots a month later should be used. These young plants should be shifted into 5" pots as soon as they become estab­
lished, at which time they are ready to be stopped by shortening the growth to about from the top of the pot, so as to induce bushiness. This operation is best performed a little later than recommended, and when the roots have reached the sides of the pot. Throughout the summer and autumn they may be grown in frames outdoors like chrysanthemums, and housed in a frame or covered with pit lights early in Sept­
ember. In the natural course of events they were growing up flower shoots during the autumn, but as we are growing them to bloom the following summer we give them a fur­ther stopping in October, by breaking out the growth at the sixth joint from the previous stopping. No artificial heat is needed for these plants.

(Continued on page 98)

NAMING THE COUNTRY PLACE

Appropriateness, Distinction and Euphony Are the Three Great Requisites — How They May Be Achieved
JOHN C. THOMSON

We must have a name for our suburban home to give it distinction and individuality. Furthermore, we believed a name would in­spire greater care in arrangement, and more pride in keeping it well ordered. If an establishment was worthy of a distinguishing name, to sustain such dignity it needs must be differentiated with circumspection and a degree of originality.

Appropriateness we considered a good attribute in a title, although I personally liked Dragon­fells. It filled my eye and mouth and ear; it looked good to me; it was a sweet mor­sel to my taste, and it sounded musical. I liked the looks of a dragon, and the name suggested to me a being of old age. I did not wish to include a ready-made, personal remarks or a nickname might be sug­gested to sarcastic or flippant observers; and among other things that I intended to lay by for some future use. I do not want eggs from a fine strain of Blue Andalusians — and the advertisement would be half written then and there!

However, we did not think the sobriquet fair to the name like Honeysuckle. Vi­propriately descriptive words, as Brook, Homestead, Hut, Lodge, Lookout, Outlook, Ranch, Rookery, Roost, Shack, and Shanty, should be preceded by Our or The, or by some prop­erly descriptive name like Honeysuckle, Vi­burnum, Ivy, Woodbine, Garthside, or Hilltop, as: The Rookery, Our Camp, and Forest Lodge.

The words Bungalow, Camp, Cot, Cottage, Homestead, Hut, Lodge, Lookout, Outlook, Ranch, Rookery, Roost, Shack, and Shanty, should be preceded by Our or The, or by some

(Continued on page 98)

Using the Perpetual Sorts Outdoors in Summer

W. R. GILBERT

A great advantage of the perpetual carna­tion is that, properly handled, it will bloom throughout the year.

PRECEISLY as there exist among the peoples of the earth racial characteristics that mark one from the other, so do differences exist be­tween the tribal members of a given flower fam­ily. As there are hardy, rugged branches of the hibiscus tree, and others soft, which with­stand rigorous cold would prove fatal, so are there hardy and delicate flower varieties of the same original stock. Rather strikingly do we find this exemplified in the case of the carnation.

PERPETUAL AND BORDER CARNATIONS
The terms perpetual carnations and border car­

tations denote two distinct forms or races, and although the former may be used for all purposes, as it blooms under glass the whole of the year and is unexcelled in the open border during sum­

mer, border carnations flower only once a year. The perpetuals, which flower throughout the summer outdoors, need not be planted until May.

Set them outdoors during the summer and you will add a new and desirable color and perfume to the flower border.

Thus, while the border sorts are best in the borders, and the perpetuals in the open flower bed, the best of both sorts is in the perpetuals for any garden, not only bordering a house or road, but for the great open spaces in which the country place particularly excels.

But let us return to the perpetuals, and see how they compare with the border sorts. We will note at once that the perpetuals may be divided into two classes, those which flower in the open border and those which flower indoors. This is due to the difference in the requirements of the two forms. The perpetual sorts need a long period of cold, as they flower during the winter, and to this they are peculiarly adapted. The border sorts, on the other hand, are not adapted to flower during the winter, and they are best suited for the open flower bed. The perpetuals, therefore, are best suited for the open border, while the border sorts are best suited for the open flower bed. The perpetual sorts need a long period of cold, as they flower during the winter, and to this they are peculiarly adapted. The border sorts, on the other hand, are not adapted to flower during the winter, and they are best suited for the open flower bed. The perpetual sorts need a long period of cold, as they flower during the winter, and to this they are peculiarly adapted. The border sorts, on the other hand, are not adapted to flower during the winter, and they are best suited for the open flower bed. The perpetual sorts need a long period of cold, as they flower during the winter, and to this they are peculiarly adapted. The border sorts, on the other hand, are not adapted to flower during the winter, and they are best suited for the open flower bed.
PRINCIPLES OF SAFE VENTILATION

Since the beginning of time draughts have been a winter evil. Assiduously we try to prevent them by not sitting where they can reach us. For the sake of convenience and comfort it was better to have some device by which draughts could be checked in the right direction. This can be accomplished by applying the simple principle of safe ventilation illustrated in the drawing at the right. The principle is simply the turning of the current up toward the ceiling. The present position of the window air will cause cooler, cleaner air to circulate about the room. Direct draughts are thus avoided and ventilation is assured. The device may be, as here, merely a sheet of glass. Hinges are fastened on the lower and ratchets are attached to the window trim. The angle of the glass can be adjusted at will, and the amount of air circulated by the position of the window itself. The special value of this type of ventilator is that it admits the light and does not detract from the appearance of the window.

SILHOUETTE FIXTURES

In the corner to the left and directly above are two designs for fixtures that combine the principles of indirect lighting and the rules of good taste as recognized today. The scheme includes a shield to cover the bulb. It is of painted tin. The bulb lies—in the case of the illustrations—in the hull of the boat and in the bower. When lighted, the illumination is thrown up against the walls and reflected back on the room—in the same manner as indirect lighting, save for the fact that most indirect lighting provides for the light being thrown on the ceiling. In addition, the fixtures, which can be painted to harmonize with the color scheme of the room, constitute a decoration in themselves. The form they would take would depend on the design suggested by the uses of the room. The scudding galleon above would find a place in a man's room or library and the flowers would be suitable for a living-room or a hall.

ACURTAIN CATCH

If you want to rouse the ire of the average housekeeper, knot her curtains. Yet you can go into almost any house on sweeping day and find the curtains knotted or looped back in a fashion that is far from beneficial to the curtains. The same is true of curtains in a bedroom at night. What can one do with curtains at night anyhow? They shouldn't be allowed to blow out to the snow and the rain, and if they are hung over a conveniently adjacent picture, both picture and curtains may suffer.

All of which is rather a lengthy introduction to a very simple device recently placed on the market. It consists of a small brass bracket that can be attached to the side of the window trim. In that position it is out of sight. An arm can be folded out from it. On this the curtains may be looped. The brackets sell for $1.25 a pair.
To this article on the decorative value of brass and its care we would like to add the information that by applying to The Shopping Service, House & Garden, 445 Fourth avenue, New York City, you can obtain the names of the shops where these articles may be purchased, or purchase them through that service.

VYING with the use of colored glass, Italian faience and the softer toned potteries, now so much in vogue, brass continues to hold a distinct place among decorative accessories.

Aside from its attractive golden color, that varies according to the proportion of copper and zinc used in its composition, brilliant when cleaned and polished, it is also desirable for its comparatively moderate cost, even in these days of inflated values resulting from the war.

In the practical utensils of early American and English make and their reproductions as well as those of the Dutch and Russians, we find the articles most desirable for modern decorative uses.

The success of an Adam room in its fidelity to detail of design. Such fidelity is found in these Adam andirons. $5 to $15.

Shovel, tongs and poker to $15.

Essentials for home comforts, in the early days in America in cooking utensils and other homely articles, that were necessarily brought from England, we have now a tendency to more decorative ones, while from Holland and Russia—the chiefly of religious significance—licorice has been perverted to ornamental purposes in the United States.

The open fireplace, about which the life of the home centered in those early times, was equipped with brass appointments that, even in this improved heating, have their place by the fire. In these the andirons of characteristic colonial design cannot be improved upon.

(Continued on page 64)
The above is an illustration of a Persian Odjalik, of Kirman weave, size 7 ft. 10 in. x 4 ft. 8 in., Price, $875.00.

EASTERN RUGS

This rug, the production of Ustad-Oshgore, a master weaver of Kirman, is a most unusual example of fine Eastern weaving.

The Cypress, symbol of youth and grace, is employed as the large central motif, upon which are again cleverly imposed the same forms in smaller scale; the birds with characteristic old Kirman treatment, are woven in silk. The color scheme of fawn, blue, ivory and green, completes the charm of this masterpiece.

It is but one of a great number and variety of unusual Rugs in our stock.

We shall be glad to give further information upon request.

W. & J. SLOANE

Direct Importers of Eastern Rugs

Interior Decorators  Floor Coverings and Fabrics  Furniture Makers

FIFTH AVENUE AND FORTY-SEVENTH STREET, NEW YORK

WASHINGTON, D. C.  SAN FRANCISCO, CAL.
GOODRICH BLACK SAFETY TREAD TIRES
Can Not Fail You

If you take no risk whatever in buying a Goodrich Black Safety Tread,

Either the tire gives you a dollar for
dollar service—must act as the best
fabric tire should—or the B. F. Goodrich Company squares the

The tire can not fail you unless you
fail yourself by not letting Goodrich
know one of its tires is in debt to

The Goodrich Super-Guarantee

Goodrich Fair Treatment at all times
stands ready to meet
more than half way
honest fault finding

It is more eager than
you to have a rek­
honest fault finding

There are no strings—no conditions
—no catch words to Goodrich's
world-wide offer: Send in a
Goodrich tire that owes you anything.

Goodrich Fair Treatment will settle
in full—settle gladly and generously.

The B. F. Goodrich Co.
Akron, Ohio

Also maker of the tires on which Dario Resta won the 1916 National Automobile Racing
ship—Silvertown Cord Tires

Besides the bank and large mass types of planting, rhododendrons may well be used in small groups as

As to Flowering Evergreens
(Continued from page 37)

peaty or sandy soil," absolutely free
from all trace of lime.

Flowers for rhododendrons are all immensely more-expensive, as compared to ordinary
rhododendron materials. Though

Every year to screen the found

do to and never was intended

Essentially Wild Plants

It is to this latter, untamable
that all of this family belongs; a

Therefore, in order to test a

The trees perform this office for
the wild plants; for by nature they
grow in open woods where the leaf
fall drifts around them every au­
tumn. and remains to decay and add
to the food which they dote on, year
after year. Trees shade them, too,
in winter as well as summer; for
even bare branches offer a consider­
able obstacle to the warmth of the
sun. The man who plants rhodo­
dendrons or laurel in the open, there­
fore, and then rakes the ground
around them clean as fast as the
leaves blow over it, is a criminal.

So I come at last to speak of the
use of these plants, particularly
rhododendrons and laurel.

Certainly in the use of them—"wild
flowers," just as "will
the most elusive wood orchid, or
gentian, or the precious pitcher
of hidden holes? You may say
all flowers are "wild" somewhere
in the world; and I grant you

I could name a lot of them which
are constantly thus overrid­
ning the world.

While wild flowers, just as wild
flowering evergreens, are

As to Wild Plants

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As to Wild Plants

Across the bank and large mass types of planting, rhododendrons may well be used in small groups as
Neglect did this.

Are you neglecting your trees? Do you know positively that they are strong and healthy—are you sure they are free from decay and disease?

It is dangerous to guess about your trees—dangerous to procrastinate.

The owner of the tree shown above assumed that its condition was perfect, but he intended to find out some day for a certainty. His neglect was fatal. The tree, sound in appearance to the untrained eye, inside was seriously decayed. One day a severe storm blew the weakened tree gave way—ruined beyond saving! It was a case of "the last straw which broke the camel's back."

Take no chances with your trees—have them examined now. But be sure to select Tree Surgeons of proved ability—experts who can save your trees without guessing or experiment.

You wouldn't think of entrusting your body to a hospital assistant nor your teeth to a dentist's helper. To entrust your trees to untrained and inexperienced men is equally dangerous—dangerous to procrastinate.

Davey Tree Surgeons are Safe because Davey Tree Surgery is time-proved; its record of successful performance for thousands of estate owners spans a generation.

Safe—because the Davey Company is a successful institution of financial stability and amply able to make good in every detail.

Safe—because no Davey Tree Surgeon is allowed any responsibility until he has conclusively demonstrated fitness. The men have served his full course of thorough practical training and scientific study in the Davey Institute of Tree Surgery, the only one of its kind in the world, which we conduct for the specific purpose of qualifying our men in Davey methods and Davey ideals.

Safe—because Davey Tree Surgery has been endorsed as best by the United States Government, after exhaustive official investigation.

Safe—because Davey Tree Surgery is recommended by thousands of prominent men and women whose endorsement you can accept with complete confidence. (Several such endorsements appear on the right.)

Tree "patching" cannot save your trees. Only scientific, mechanically perfect treatment by trained men trained through years to the point of finished skill can be permanently successful. And for such treatment by such men there is only one safe place to go—to Davey Tree Surgeons.

Write today for Free Examination of your Trees—and booklet, "When Your Trees Need the Tree Surgeon." What is the real condition of your trees? Are insidious diseases and hidden decay slowly undermining their strength? Will the next severe storm claim one or more of its victims? Only the experienced Tree Surgeon can tell you fully and definitely. With out cost or obligation to you, a Davey Tree Surgeon will visit your place, and render an honest verdict regarding their condition and needs. Write today.


Five typical letters from hundreds by satisfied Davey clients

Mr. William Almy, William Almy & Co., Boston: "The skill of your workmen is remarkable. I am sorry I did not have this work done sooner as I apparently lost a tree by not having an expert examine my trees before."

Mr. Joseph Pulitzer, Jr., owner of the New York World and the St. Louis Post-Dispatch: "Your work on the trees on my place was done in a most thorough and painstaking manner."

D. S. Chamberlain, President, Chamberlain Medicine Co., Des Moines, Iowa: "I congratulate you on the excellent work you are doing. I have seen much of this character of work done in some foreign countries, as well as in the United States, but none as perfect, scientific and satisfactory as yours."

Dr. G. L. Doenges, Superintendent, The Johns Hopkins Hospital, Baltimore, Md.: "We have been very much impressed by the work done here by the Davey Tree Company."

Mr. Robert E. Friend, Second Ward Savings Bank, Milwaukee, Wis.: "I cannot commend too highly the work you have done both this year and last on our place at Pine Lake. Your work on the University Club tree's here in the city, under my supervision, was also very good indeed."
Hotel, America
24 W. Kinzie St., Chicago
523 Market St., San Francisco

and preserves it against decay and insects. To know how beautiful water-lilies are, you must have seen them floating in a pond, in a state of nature. And so to use these members of the heath family, you should have woody and dels and wilderness conditions generally; and a pool or water tumbling down rocks if possible. It is above all that these flowers descend that some of them bend, in their mountain homes.

There is probably no material available that is as fine for use in groves, or where great trees grow, as the rhododendron and the laurel. But great care must be exercised in grouping and selecting these fles for every spot, lest unsightly, leggy specimens crowd to the front and obscure the angles. The same prevails in planting evergreen shrubs that guides in the growing of deciduous masses; that is, the foreground of the mass should come down to the ground, and leave no bare openings through which branches may be seen. This is a point so often overlooked that I speak of it particularly; for evergreen material, the oversight is not as easily remedied by the plant's growth as it is in the case of the deciduous things.

This so-called "broad leaved evergreens" generally are used to a very great degree just because they are evergreen, and therefore assumed to be cheerful notes in the landscape in winter. To a certain extent this cheerfulness is true of laurel and the others; but rhododendrons are about the most pinched and unhappy looking things on a biteing cold day than can be found. Moreover, they are "pinched," for they have a very interesting war of curling their trip leaves to avoid exposition to the cold, somewhat as people draw themselves in and shrink up as much as possible when chilled. Shrinking thus from winter's severity, a rhododendron is a partly looking shrub, around which I always feel I should like to put a shawl. Evergreens of larger growth, evergreen shrubs do not combine well with other vegetation, nor does evergreen shrub come down to the ground and leave no bare openings through which leaves to avoid expo.sure to the cold, but they belong in the family such as the Andromeda, or the leather leaf, in combination with still lower growth, like partridge berry or the always attractive wintergreen.

RHODODENDRON VARIETIES

Rhododendron maximum is the common American species, the great American rose bay, which grows wild as far north as New England and away south into the high parts of the southern Appalachian mountains. Naturally it grows in proximity to mountain streams and cascades, where moisture is wilder than in its exuberant. Its flowers are either white or pink, and there is no hybrid looking thing in the species.

In company with it grows the rosebay, which is not only pink, but pink or nearly white, does confusion prevail in nature, and one can never be ful in buying, particularly such color differences exist.

The Andromeda, or Rhododendron forma, (sometimes Andromeda baya) is low growing, seldom much above one foot high, compact and shapely and well with foliage, with very abundant spikes or racemes, which makes it very showy in May. Then, too, it is

As to Flowering Evergreens

(Continued from page 60)
Reed Furniture Ideal for both the City and Country Home

Imported Cretonnes, Upholstery Fabrics, Scotch Art Rugs

On receipt of 14c in postage we will mail our new catalogue now ready for delivery

Bobbink & Atkins

Sunshine and Showers—and the "World's Choicest Nursery and Greenhouse Products Grown in America" assure the Garden Beautiful. We do our part.

HOME GROWN ROSES
HARDY OLD-FASHIONED FLOWERS
TREES and SHRUBS
EVERGREENS
HOME GROWN RHODODENDRONS and 150 other specialties.

We shall be glad to send our illustrated catalog.

RUTHERFORD
New Jersey

Front Doors

are made in a wide variety of designs and styles. You will find a door in the Morgan line to express your individuality. Carefully selected veneers make Morgan Doors beautiful and distinctive. The exclusive All White Pine Core and patented Wedge Dowel Construction assure durability and perfect service. Morgan Doors are guaranteed to give complete satisfaction.

Suggestions for Beautifying the Present or Prospective Home

You don't need to build a new home to enjoy the beauty and service of Morgan Doors. "Adding Distinction to the Home" gives suggestions for improving the present home.

"The Door Beautiful" is a book of suggestions on doors, interior trim and interior decorations for prospective builders. Send for either, or both booklets.

Morgan Sash & Door Company

Dept. C-22 Chicago
Morgan Millwork Co., Baltimore Morgan Co., Oshkosh, Wisconsin
Exhibits of finished Morgan Model Doors in all principal cities. Ask for list.
The economical Bossert by large buying of material shares in the savings effected merchandise? Every house has its own individuality, yet you do in every other line of finished product in houses as build investigate better materials, and you get the benefit. Before you work is done for you at an efficient factory in more efficient machine than the hand car, the

**BOSPERT HOUSES**

In these days of high labor costs why not buy the finniest product in houses as you do in every other line of merchandise? Every house has its own individuality, yet shares in the savings effected by large buying of material and efficiency in manufacture. The economical **Bossert Houses**

**Price:** Eleven hundred dollars complete

We also manufacture the smaller "portable" or "knock down" houses.

**LOUIS BOSSERT & SONS, INC.**

1306 Grand Street, Brooklyn, N. Y.

As to Flowering Evergreens

(Continued from page 62)

Tulip Time in the Garden

(Continued from page 16)

Tulip Time in the Garden

More House for Less Money

By the Bossert modern method of building, a great many savings in materials and labor are effected. Just as the locomotive is a more efficient machine than the hand car, the work is done for you at an efficient factory instead of by old fashioned hand labor, and you are sold the finished product.

The time and money saved go into better plans, better materials, and you get the benefit. Before you build investigate

**bossert houses**

method of construction makes it possible for you to deliver a beautiful little Colonial House like the above, with two 9x12 bedrooms, a 9x18 living room, kitchen and bath, with screens, work and benches included in the price.

**(Continued on page 66)**

Our illustrated booklet "The Roof Beautiful," printed in colors, contains views of many beautiful houses with roofs of Terra Cotta Tiles, and is sent free upon request.

**LUDOWICI-CELADON CO.**

Manufacturers of Terra Cotta Roofing Tiles

General Offices: 1107-1117 Monroe Building

CHICAGO, ILL.
Naturalistic Home Landscaping

Little Tree Farms — Birthplace of Little Trees that Live

OFFERS UNEQUALLED VALUE in America's most wonderful and useful evergreen—White Pine—more valuable and more extensively planted and appreciated than all others combined. The dense rich evergreen foliage gives great beauty in winter when snow laden, also protection and screening. They break the dust and noise; give shade and seclusion and thicken up and supplement your older plantings. Use in your native woods and reclaim unsightly hillside and odd corners.

Replace America's Choicest Evergreen Upon the Landscape and Have Truly Naturalistic Planting

We specialize: Our stock of many millions is the largest in America therefore our unequalled values in these splendidly developed White Pines, 3 to 4 feet high, twice-transplanted and root pruned.

The price is greatly reduced in ground lots of five to ten thousand; 3c each.

If you want only one standard box of 250 trees, they cost 85c each; 35c each if you take ten boxes.

Many varieties of these Evergreens are annually shipped to America's finest country estates and parks and to nurseries. They give immediate effects and permanent evergreen beauty.

We make a splendid organization of technical men and skilled workmen.

Illustrated Catalogue Free

also instructive Bulletin on Evergreen Possibilities mailed on request. Your letter making specific inquiry incurs no obligation and will have careful and prompt attention.

American Forestry Company

BOSTON, MASS.

The beauty of this evergreen is preserved by an

"EXCELSIOR" RUST PROOF BED GUARD

LET air and moisture reach the roots. Work the ground. This Excelsior Rust Proof Bed Guard prevents trampling and packing by animals. Also protects the lower branches, preserving the symmetry of the tree. Prevents mowers and garden tools getting too close and clipping off the tips of the branches. These guards can be moved about or taken up and laid away for the winter.

Excelsior Bed Guards are made of extra strong, heavy wire, held securely at every intersection by the Excelsior patented steel clamp. Dip-galvanized after taking. This not only prevents rust, but securely solders the lateral to the vertical wires. Which means added rigidity and strength. If you want more information about these garden necessities, write for catalog C.

We also make a full line of Excelsior Rust Proof tree guards, fences, trellises, tennis railings, gates, etc.

WRIGHT WIRE COMPANY


A Better Lawn At Less Expense

The Fuller & Johnson Motor Lawn Mower is designed for the large lawn with enormous time saving, simple and easy to use. This mower is so designed that it will cut close up to and around trees, under the shrubbery, along walls and driveways, hence entirely eliminating the necessity for cutting up afterwards with a hand mower. The $225

FULLER & JOHNSON

MOTOR LAWN MOWER

Indorsed by 70 year experience of the Fuller & Johnson Manufacturing Co. for the highest manufacturing integrity. It is scientifically designed and built as a complete unit. Indeed, its balance and economy of cost is the result of years of design and research and the highest manufacturing integrity as has the motor itself. It is so designed as to be self-starting, and extremely simple. All parts of this machine are made from the finest materials. The motor is specially designed for use on a lawn mower.

Write us now before Spring arrives for full information and a copy of "A Better Lawn."
The "Old Glory" Gladiolus Garden

A selection from choice named varieties and color sections. The bulbs are grown in our fields, selected from our regular stock, and we are sure the "Old Glory" will give you a wonderfully beautiful display this summer.

One Hundred Select Bulbs; $2 Delivered to Your Door

All the new varieties of Gladioli; Dahlias, Gloxinias, Bedding Plants, Roses, Shrubs, Fruit and Shade Trees, Garden and Flower Seeds are presented in our

1917 Seed and Plant Annual

a book of nearly 200 pages. It points the safe way to a garden that will give the greatest pleasure and profit to the planter. Send your name and address for a copy.

The Storrs & Harrison Co.
Box 411
Painesville, Ohio

Three Rarely Beautiful Roses

In this trio of superb Climbing Roses is a whole June of joy for the rose-lover. They are widely different in color and form of flower, but are united in beauty and loveliness. The three were originated and introduced by the West Chester Nurseries—which vouches for the value of this new trio.

Climbing American Beauty. Huge flowers, 4 inches across; handsome rose crimson; fragrant. Plants are strong growers, covered with flowers.

Christine Wright. A wonderful clear pink Rose usually 4 inches in diameter. Beautiful in bud and flower.

Purity. Pronounced by experts the most beautiful climbing Rose. The broad petals are ivory white, with stamens of light rose; fragrant. Plants are strong growers, covered with flowers.

"Hoopes' Specialties"

Shrubs Climbing American Beauty, Christine Wright and Purity in their marvelous native color. The booklet is a real aid to non-growers. Write for a free copy.

Hoopes, Bro. & Thomas Co.
46 Maple Ave., WEST CHESTER, PA.

(Continued from page 64)

Tulip Time in the Garden

Through this covering of rich green arose last April a between lovely crocuses, planted in the following order: Falls, Tulip Queen, Julia Culp, Mikado, Pallas again, and a tined flowering period. Across the walk, of about 6' x 60', whereas the space of open ground under the grapes across the walk is only 3' wide, with grass at its southernmost boundary. Below both grapes and barberries the ground is entirely covered, or destined to be, with Vinca minor, the common green myrtle, a delight in both summer and winter.

Chances and Afterward

Through this covering of rich green arose last April a between lovely crocuses, planted in the following order: Falls, Tulip Queen, Julia Culp, Mikado, Pallas again, and a tined flowering period. Across the walk, of about 6' x 60', whereas the space of open ground under the grapes across the walk is only 3' wide, with grass at its southernmost boundary. Below both grapes and barberries the ground is entirely covered, or destined to be, with Vinca minor, the common green myrtle, a delight in both summer and winter.

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Hoopes, Bro. & Thomas Co.
46 Maple Ave., WEST CHESTER, PA.
What a Home is Like

is very much in evidence before you cross the threshold. Indifference to the appearance of the lawn and grounds is an indifference to public opinion.

JUST as quickly as possible after completing your building, you want your property to have that finished effect which of necessity depends so vitally on the planting for its results. MOONS' know how. Perhaps the secret lies in our methods of frequent transplanting. Possibly in the soil in which the stock is grown. Whatever the reason, MOONS' plantings are so generally satisfactory that those we have served continue to send us customers.

It pays to buy MOONS' stock. It pays, because the plants are especially selected and freshly dug and packed for each order; have been reared with a care for their vigor of growth and shapeliness of form that make attractive lawn plantings with a permanent accumulative value and enjoyment.

Perhaps one of the reasons why MOONS' plantings are so unparalleled is because we personally are interested in having our customers make selections best adapted to their place, climate and purpose.

Our informative Catalogue No. A-4, with its many illustrations, should be your first guide. Then let our Letter-Aid Bureau help.

THE WM. H. MOON COMPANY
Nurseries
Morrisville, Pennsylvania

Spring Time
is Rose Time!

When the tender leaf buds begin to expand under the warming influence of the early spring sun, every true nature lover feels the impulse to plant. And, what is so well worth planting as the queenly rose. Not only are roses unrivaled for charm and beauty, but C. & J. Roses are guaranteed to grow and bloom this very summer. Get our 1917 Floral Guide—Free

Our famous annual brought right down to date. Contains 92 pages, 253 exquisite illustrations—many in colors. Lists nearly 400 "Best Roses for America"—varieties suitable to every climate and soil, also for every lawn and garden purpose. You need this Guide when making your spring time planting list. It's sent free and postpaid. Write today.

"How to Grow Roses"


Here are three ways to get this helpful little book: (1) Sent postpaid for 50¢. (2) Contain some copies good for $1 with $5 order for plants. (3) Postpaid for 75¢ with $2 order for plants. (4) Send free of charge with $5 order for plants. Order today.

The CONARD ★ ROSES
& Jones Co. Box 126, WEST GROVE, PA.
Rose Specialists—Backed by 60 Years' Experience

Give YOUR Lawn Better Care

You, too, can have a smooth, beautiful lawn this summer if you join the ranks of Ideal Power Lawn Mower users this spring.

Proper lawn care in the spring counts greatly toward a beautiful summer sward. Start your lawn care right this season. Have the Ideal ready for the very first cutting. It eliminates the nuisance of a horsedrawn contrivance on your lawn, or the expense of a squad of hand propelled machines. It enables you to give your lawn double the usual amount of attention, more efficiently and more economically.

The Ideal Junior Power Lawn Mower stands unexcelled in the field of lawn moving machines. It embodies all the features on which Ideal has built its splendid reputation — simple, reliable clutch; automobile throttle control, gearless differential and many other refinements which make the Ideal easy to operate and simple to care for.

For full particulars write to us—now, while making your plans for a beautiful lawn.

The Ideal Power Lawn Mower Company
R. E. OLDS, Chairman
403 Kalamazo Street, Lansing, Michigan

Ideal Junior Lawn Mower
$225

The Ideal Power Lawn Mower Company
R. E. OLDS, Chairman
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Spring Time is Rose Time!

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"How to Grow Roses"


Here are three ways to get this helpful little book: (1) Sent postpaid for 50¢. (2) Contain some copies good for $1 with $5 order for plants. (3) Postpaid for 75¢ with $2 order for plants. (4) Send free of charge with $5 order for plants. Order today.

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The Ideal Power Lawn Mower Company
R. E. OLDS, Chairman
403 Kalamazo Street, Lansing, Michigan

Ideal Junior Lawn Mower
$225
Antique Desks and Their Appreciation

(Continued from page 25)

a composite affair, combining a cabinet, a bureau, drawers and a writing-table. In Ghirlandaio’s painting, “Saint Jerome in His Study,” a work dating to 1480, (this is found in the collection of the Ognissanti in Florence), we see depicted a portable desk of the “schoolmaster” type, and still another showing drawers, (of the same date and same collection) in the “St. Augustine” by Sandro Botticelli. In other paintings by the old masters and in very early engravings, we see delineated the various pieces of furniture in contemporary use designed for writing-purposes, as well as others for the account-keeper. All these suggest to us the probable units which combined to produce the escrittore and the secrétaire of later centuries, and lend interest to the collector’s enthusiasm for searching out pieces of the sort.

The Old Conditions

When living was so much less complex in the matter of domestic doings than it is in our own time, there was far less need of such objects as desks. Whole families, even of the prosperous classes, could get along without them very well. Your Mona Lisa, of the Renaissance could have carried her household accounts in her head, and probably did, while Fra Martin Luther or Fra Albrecht Dürer had little occasion to require a place for keeping quires or reams of correspondence paper. Nor had they, in all probability, entered into the sphere of feminine prowess. Unfortunately, all desks at that time were large and heavy, requiring a truly fine copy of a copy, whereas if deception is desired, the result must be a wonderful skill by some of the living masters of the craft of furniture-making today.

Of course, no reputable dealer would attempt to pass off a modern copy of anything as an original. At the time one may take great pleasure in acquiring a truly fine copy of a Jean’s secrétair or a Hepplewhite bureau, if it is knowingly purchased as a copy, whereas if deception is desired, the result must be a disappointment and discouragement to the owner, however fine the piece. (Continued on page 70)
TO the garden lover—and especially to the man or woman who appreciates the contrast of Nature's beauties with the best of man-made art—the Mathews Garden-Craft handbook—72 pages in all—is a veritable treasure-trove of attractions. Where one reader finds a dainty French trellis for a garden screen, another finds a staunch, wholly-English bench of good Queen Anne's time that fits a cozy nook in the shrubbery. Best of all both trellis and bench are accurate reproductions of Old World originals. Arbors, tables, swings, gates—even bridges and Japanese pagodas—are included in this remarkable catalog. It is gladly sent anywhere on request, on receipt of eighteen cents in stamps.

The Mathews Mfg. Co.
912 Wllllsion Bldg., Cleveland, Ohio

Eliminate All Troublesome Attention To The Heating Plant

This device takes complete charge of the drafts and dampers of any kind of heating plant, burning coal or gas. Its accurate operation insures even, healthful temperatures at all hours of the day and night. The adjustment of the clock attachment enables one to secure automatically and silently a change to lower temperature during the night hours and in the morning at the desired hour operating for a return to warmer temperature insuring comfortable rooms at the time of arising.

The Minneapolis Heat Regulator

is entirely automatic at all times—a marvel of convenience. It guarantees a safe, economical heat. Has been the standard device for heat regulation in the home for 32 years.

Easily installed in any home, old or new. Sold by the heating trade everywhere.

Write for interesting booklet.

Minneapolis Heat Regulator Co.
2785 Fourth Ave. So. Minneapolis, Minn.

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FOR ANY PURPOSE, big or little, indoors or out, in city or country, write for volume of Cypress Pocket Library. (Free)

Backed by our "All-Round Help Department," it is the "guide, counselor and friend" of ALL THE PEOPLE WHO CARE WHAT VALUES THEY GET FOR THEIR LUMBER MONEY.

Why not buy WOOD with the same discrimination you apply to other things? We do not advise 'Cypresse' for all uses, but only where it can prove itself "the one best wood" for your use.

WHY NOT BUY LUMBER WITH EQUAL CARE? INSIST ON CYPRESS—The Wood Eternal—... WRITE AT ONCE for VOLUME ONE of CYPRESS POCKET LIBRARY and select the volume that fits your case. We'll Reply at Once.

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M.J. Whitall
ASSOCIATES
311 Brussels Street

This book shows in true colors some of the most beautiful rugs in the world and tells you what it has taken me years to learn about

WHITALL RUGS

Oriental Art In
Whitall Rugs

Minneapolis Heat Regulator Co.
2785 Fourth Ave. So. Minneapolis, Minn.
The cause of cold is not COLD
It is HEAT

Colds are bred in your very home. The results of imperfect heating breed them. But where Dunham Vapor Heating is, there exists none of the unhealthy conditions that foster colds.

Instead, the air in every room is fresh and warm. An even, gentle heat pervades the whole home. Radiators do not—cannot—knock or pound. Temperature is automatically kept at either one of two predetermined levels. And with minimum attention and unusual coal economy.

A little more costly to buy than old-fashioned, faulty equipment, the Dunham Vapor Heating System is worth more—in both material value and service.

A steam fitter can Dunhamize a new or an already-built home. Write for full information immediately. Ask for a free copy of our invaluable book, "The 3 H's."

WILLIAM AND MARY TYPES

In the William and Mary Period (1689-1702) cabinets, secretaries and bureaus came rapidly into use. The furniture of this period has been characterized by Macquoid as "attainable through simplicity of shape and quiet elegance of design." The second division included distinct characteristics which differentiate several groups. The cabinet with bracket feet, (straight) three or four feet; flat front which, when let down, displayed the drawers and the pigeon-holes; a top either single-hooded or straight with overlo frieze may be placed in the first division. In the second division we have the bureau-case with its slant-top desk above. Here we find the tall boys sometimes with double-hooded tops, or with vase-shaped fronts. The third division included the slant-top desks on cut-turned legs, flat stretchers and bun feet. The knee-hole desks (desks with center portion arranged to permit the knees of the writer to go below the desk plane) constitute the fourth division, while a fifth sort of desk had gate-legs braced by serpentine flat stretchers. The center two legs, (there were six in all), pulled out as a support for the desk flap when it was let down.

In writing of the desks of the William and Mary period and of the Queen Anne period (1701-1715) we find the three section bookcases, standing on legs that sometimes are in the lantern style, the slant-top style of desk, the slant-top taires, etc. In American desks of the period we find the block-front, which has been very popular.

The writing furniture of the Brothers Adam exhibited harmony and excellence common to their other articles. They introduced the more general use of built-in bookcases and others of the lighter cut woods, and a contour of line more graceful in nature from the ornament, too, was more extensively used by them than ever before.

With the furniture of Hepplewhite we find the three section bookcase with its slant-top desk below. This was the modern roll-top. The Hepplewhite roll-top was a bookcase of much beauty and practical value as well. Sheraton included it in his form of fashion by Hepplewhite or more by him. All these various pieces of furniture, like many of them, have local modifications and variations.

Antique Desks and Their Appreciation (Continued from page 68)

the sharp edges are disposed of, and something approaching the softness of old age is attained. After treatment in this manner the contents come out in a very passable condition. This is very clever and in no way wrong unless done with the intention of deceiving. There are not nearly enough old handles to go round and honest dealers enjoy these means to make imitations quite legitimately, only they tell you that, old as they look, they are only clever deceivers.

The general furniture collector will not now be apt to come across anything of a "find" for the desk of the Renaissance, 17th or even early 18th Century Italian periods, or in the way of the finer pieces of early Continental furniture, as nearly all of these, if not in public or great private collections already, would be justly held at very high prices by dealers into whose stock such pieces might come. However, there are occasional sales—there have been some very important ones at auction in New York this winter—of old foreign household furnishings, and great bargains may well be met with at these none and then. In any event, the collector must cultivate alertness, decide in a moment that intuition for opportunities—to buy, and once in a while to sell, too!

To the Continental, the name bureau came from its French derivation, is understood to be connected with writing. In the English language we connect the term to a piece of furniture designed to hold articles of clothing in its various drawers. It was something that, in the middle of the 17th Century that the drawer was added to the lower part of the chest. Later in the century further drawer capacity was developed, and by the beginning of the next century there had come into existence the boneless drawers in use. In view of this we will not expect to find Jacobean desks, though we may find cabinets or the same for writing materials and documents and even occasional desk-like pieces.

Out in the open man does not take cold

DUNHAM Radiator Trap

This device is one of the fundamentals of the DUNHAM VAPOR HEATING SYSTEM. Because it makes impossible the presence of water in radiators, it prevents their pouting and knocking, reduces fuel consumption, causes the radiator to heat evenly and quickly, eliminates the hissing air duct, saves fuel consumption, causes the radiator to heat evenly and quickly, eliminates the hissing air duct, saves fuel consumption, causes the radiator to heat evenly and quickly, eliminates the hissing air duct, saves fuel consumption, causes the radiator to heat evenly and quickly, eliminates the hissing air duct, saves fuel consumption, causes the radiator to heat evenly and quickly, eliminates the hissing air duct, saves fuel consumption, causes the radiator to heat evenly and quickly, eliminates the hissing air duct, saves fuel consumption, causes the radiator to heat evenly and quickly, eliminates the hissing air duct, saves fuel consumption, causes the radiator to heat evenly and quickly, eliminates the hissing air duct, saves fuel consumption, causes the radiator to heat 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Rain When and Where You Want It
Cornell Systems of Irrigation

Cornell Overhead and Underground Systems equipped with patent adjustable Rain Cloud Nozzles provide thorough, scientific, economical and effective irrigation where and when it is wanted and do away with the inefficient and troublesome garden hose. Cornell Systems are inexpensive and economical in operation and represent a distinct saving in water consumption and cost of labor, by reason of even distribution and simplicity of control, the turning of a valve being the only operation. They can be installed at any time without injury to lawns or gardens. Our systems have no unsightly overhead piping to mar the landscape.

Our services include a survey of your property, together with plans and estimates covering the complete installation of our systems—also water supply and pumping plants. We also manufacture portable sprinkling apparatus to cover areas of from 25 to 85 feet in diameter.

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OWNSEND'S TRIPLEX
The Greatest Grass-Cutter on Earth
Cuts a Swath 86 Inches Wide

Drawn by one horse, and operated by one man, the TRIPLEX MOWER will mow more lawn in a day than the best motor mower ever made, at it better, and at a fraction of the cost.

Drawn by one horse, and operated by one man, it will grow more lawn in a day than any three ordinary horse-drawn mowers with three horses and three men. (We guarantee this.)

Does not smash the grass to earth and plaster it in the mud in springtime, nor crush out its life between hot rollers and hard, hot ground in summer, as does the motor mower.

The Public is warned not to purchase mowers infringing the Townsend Patent No. 1,209,519, Dec. 19th, 1916.

end for catalog illustrating all types of Townsend Lawn Mowers

P. TOWNSEND & CO., 17 CENTRAL AVENUE, ORANGE, N. J.

The Iris
The Loveliest Border Plant in the Whole World

Perfectly hardy. Unexacting in its requirements. The entire plant is decorative with handsome leaves and flowers of elegant form, exquisite texture, wonderful and varied coloring. For a trifling initial cost, one may have a bed or border that will last forever and increase in beauty from year to year.

In our collection we number 365 of the best varieties and species obtainable from America and Europe. It includes bearded and beardless German, Japanese, Siberian, Interregna and Pumila. A selection from these will give a succession of bloom for many months.

For $1.50 we will send you this beautiful collection.

Actual value $2.00.

Collection A. Tall Bearded Irises

MADAME CHEREAU
Pure white with ruffled border of blue

Kochil, deep claret

Madame Chereau, white bordered blue

Mrs. G. Darwin, pure white

Celeste, pale sky-blue

Violacea Grandiflora, bright violet

Queen of May, rose

Honorabilis, mahogany and gold

Jacquesiana, lawn and reddish violet

Queen of Gypsies, deep leaf and dusky yellow

Foster's Yellow, creamy yellow

Write for Our New Catalog

It describes our Irises, Gladioli, Peonies, Cannas, Hardy Phlox, Dahlias and many other plants and bulbs. It also lists all kinds of flower, field and garden seeds.

THE WING SEED CO., BOX 1427, MECHANICSBURG, OHIO
"All sorts of every kind, that can endure
The winter’s hush, if guided by his show’rd bits,
Live there and prosper."—Cowper.

LUTTON GREENHOUSES
Transform Winter’s Frown to Summer’s Smile

In them you can indulge in the most fascinating of all horticultural hobbies—under glass gardening—with the assurance that you will get big dividends in enjoyment as well as in money value.

LUTTON Greenhouses are uniformly recommended by owners, architects and gardeners for their high architectural standard and practical, efficient design. Let us quote you a few opinions from your locality.

If you are contemplating buying a greenhouse we can show you how to save considerable by buying a smaller house and installing LUTTON COLD FRAMES with it for starting your plants, or, if you already possess a greenhouse, you can greatly increase its growing capacity by using these frames.

"Spring unlocks the flowers to poultry the laughing sell."

but why wait for Spring?

by planting your flower and vegetable seed at once in

LUTTON
MINIATURE GLASS GARDENS

Your garden will be yielding its bounty weeks ahead of your neighbors’. Tomatoes planted in these frames now will be ripe in June, while the green fruit of plants started outdoors will be no larger than a walnut. Twenty or more varieties of vegetables can be raised by the amateur in Miniature Glass Gardens.

As you can regulate the temperature within LUTTON Miniature Glass Gardens, transplanted stock is healthy and hardened against the sudden changes that ruin seedlings grown in any other manner. Thousands are in successful operation all over the country, and no garden will produce its best results without them.

The prices are remarkably low considering present high cost of materials and labor. Send your order today. Prompt shipment and satisfaction are guaranteed.

Special No. 3
Jimmisitive Greenhouse
covers 8 sq. ft. of garden space

Price Delivered $23.00

Special No. 2
Improved Hot Bed Frame covers 21 sq. ft.
Over 8 ft. long and wide enough to fit in a 3 ft. space. Bin has 6 large lights of extra heavy glass. Carefully packed; ready to set up. Price complete, freight prepaid anywhere in U. S. East of Missouri.

Catalog covers all types of glass gardens and has valuable information on gardening under glass. Write for a copy today.

W. M. H. LUTTON CO.

MAIN OFFICE AND FACTORY, Jersey City, N. J.

SHOW ROOMS, 3rd Floor, WESTERN OFFICE, 718 Sykes Block.

Minneapolis, Minn.

Horticultural Architects and Builders of All Kinds of Modern Glass Structures.

Photograph by Wurts Bros.

Informality and intimacy should characterize a walk such as this. How much the flowers between the stones contribute to this desired result is suggested by a comparison with the photograph below:

The Flower in the Cranned Walk

(Continued from page 17)

(Continued from page 17)
THE
Garden Most Beautiful
will include our
RADIANCE ROSES
RHODODENDRONS
and LILACS
A Matchless Glory of Delicate Color, Set Off
by Deep, Rich, Foliage, on Hardy, Symmetrical
Bushes.

RADIANCE ROSE
received the
SILVER MEDAL
of the American Rose Society. That tells the story
complete, and it is the BIG reason why YOU should
own it on YOUR estate.
"Radiance" is a superior American hybrid Tea. The
pet flowers, brilliant, rose carmine, with opaline tints,
large, has cupped petals, and approximates the ex­
quisite form of the La France.
Plants extra strong, two years old, cut back to 18
inches, and will bloom freely THIS NEXT SUMMER.
$1.00 each; $10.00 per dozen.

RHODODENDRONS
with their huge flower clusters in Pink, Violet, Rose,
Lilac, and Delicate Creamy White, are the Premiers
for lawn decoration.
Their Beauty Lasts! Long after the flowers are gone,
e deep, rich green foliage saves your landscape beauty
from the desolation of winter.

LILACS
The Theme of Song and Story, bring the atmosphere
of the "Old Homestead" to your estate.
Over wide areas their delicate scent perfumes the
air, and their profuse, graceful blossoms, with gorgeous,
changing tints, are matchless for floral decorative
effects.
All our varieties thrive in any fertile soil, and can
be planted simply, massed, or in groups to produce the
effect desired.
Our Lilacs are superior to the old varieties, being
especially bred for beauty of plant form and loveliness
of flower. 12 choice varieties.
Detailed instructions for planting and care, with
each order.
Write for 1917 Catalog and Planting Guide, which includu-s Trees, Shrubs, Evergreens, Roses and other
Flowers, Fruit and Nut Trees, Berry Bushes, and all varieties of Fine Nursery Stock.
GLEN BROS., Inc., Glenwood Nursery (Est. 1866) 1751 Main St., Rochester, N. Y.

ITRO-FERTILE
Trade Mark

With two tablespoonfuls in a gallon of water.
Sprinkle it on the soil around shrubs, plants,
or grass and you can see the growth in 3 to
10 days.
Such results would be unbelievable if not vouched for
by prominent growers and seedsmen in Cleveland, where
it has had 3 years' thorough trial.
Nitro-Fertile is an odorless liquid, containing all the ele­
ments needed for plant growth in a form which the plant
instantly assimilates. It will stimulate immediate and
sturdy growth, give you better foliage, finer blooms, larger
fruit.

How to Choose Fine Trees

YOU who love trees for their own beauty or
value them for the charm they lend to road­
side and lawn, must have often wished deeply
for a more friendly knowledge of how to
choose and group them best, how to improve the
outlook from your windows or make more attractive
the approaching vistas of home.

This, then, is to say that at last a book has been written
which tells just what you want to know about trees. It
is the new catalogue of the well-known ornamental trees and
shrubs grown at Andorra Nurseries.

"Suggestions for Effective Planting" tells what trees are
best adapted by nature for each garden and landscape, what
shrubs and trees most effectively group together.

And all this is so beautifully illustrated and conveniently
arranged that it is as interesting to read as your favorite
magazine. It is not the usual mechanical, deadly dull
nursery list. To read it is like going around the grounds
with an old, experienced gardener and discussing in a friendly
way what the place needs; what evergreens to screen the
foundation, what will look best along the driveway or
against the ell of the house.

This book is free for the asking. We have one all ready
to address with your name. Send your request to Box 120.

Andorra Nurseries
Wm. Warner Harper, Proprietor
This page contains advertisements and text about gardening. The text on the page includes information about plants, antique dealers, and the history of antiques. The page also contains advertisements for a company called Lowe Brothers, which offers high-standard paints and blind awnings. The text discusses the quality and economy of Lowe Brothers' products and encourages customers to request a free illustrated book for more information. The page also includes an advertisement for the Wagner Nursery, which offers help in solving difficult planting problems. The text mentions the use of the flower in the cranned walk and the plunder of the past. The page contains a variety of fonts and layout elements, including headings, subheadings, and bold text. The typography and layout are designed to attract the reader's attention and provide information in a visually appealing way. The page also includes a section on the plank of the past, which discusses the history and collection of antiques. The text mentions the auction of antiques and the fascination of ancient civilizations. The page concludes with a section on the flower of the cranned walk, which provides information about the beauty of wildflowers and their use in gardens. The text is rich in detail and provides a historical perspective on the subject matter.
Hardy Perennials

Why not start this spring and make a collection of the more desirable groups of these old-fashioned garden favorites—a selection that will assure you flowers throughout the season:

For early summer flowering—June Pink, Foxgloves, Campanulas, the gorgeous Poppies, Primroses, German Lilies, and some of the choice Long-spurred Columbines.

For mid-summer—Delphiniums in choice hybrids and named kinds, the lovely Anemones, Siberian Daisies, Japanese Iris, Pyrethrum, the new Astilbe Avenid type in fine varieties, Veronicas, and Phloxes.

For early fall—Phlox in handsome varieties, Helianthus, and Chrysanthemums, Hardy Asters, Japanese Anemones, and Hardy Lilies.

For late fall—Hardy Chrysanthemums predominate in the garden. We have a splendid collection of varieties, treated for hardiness here in New England. Then there are some late-flowering Asters, Japanese Anemones, and the Phloxes making their second display.

Cromwell Gardens Plant Catalog

edition of 1917, has been revised to include the newest perennials, roses for garden and house, herbs, new greens and shade trees. We will be glad to send you a copy on request.

Cromwell Gardens
A. N. Pierson, Inc.
Box 14, Cromwell, Conn.

The Nightless Man

by Nathalee Summer Zondervan

is the latest and newest feature to make an efficient, simple, strong, durable washing machine.

TRIPLE DISC CONES operate DOWNWARD on the clothes and clean by FORCE and SUCTION and not by agitation twisting or rolling. Every stroke of the cones means clearer clothes and Forty Strokes per minute, thus applied, simplifies and reduces washing labor to a minimum.

MADE IN SIZES TO MEET THE REQUIREMENTS OF ANY HOME

Hand, Electric or Belt Power, one, two or three tubs, Swinging Power Wringer or Swinging Hand Wringer Support; combining the latest and newest features to make an efficient, simple, strong, durable washing machine.

Complete information on request. Dept H.

PUFFER-HUBBARD MFG. CO., Minneapolis, Minn.

The New American Rose

LOS ANGELES

For all American Gardens

Pent up in the plants of this new American Rose, are two years of California sunshine, planting in your garden will release it, and you will have a glow of sunshine and gold never before beheld in a Rose.

A new color combination of superlative beauty—A l a m e n pink, toned with coral and shaded with translucent gold at base of petals.

A vigorous grower producing a succession of strong, sturdy canes, every shoot crowned with magnificent flowers.

An abundant bloomer giving a profusion of large, perfect Roses from early summer to advent of winter frost.

Strong two-year-old budded plants, delivered to any part of the United States for . . . $2

Large or small quantities at the same price. These plants are cut back to 18 inches high, and will bloom this coming summer. Pamphlet with cultural directions with each plant.

HOWARD & SMITH, Rose Specialists

Olive and Ninth Streets, LOS ANGELES, CALIF.

Send 50 cents in stamps for a beautiful picture of "Los Angeles" Rose in natural colors—it tells the story.
The only race of Gladiolus ever produced in the United States and the most beautiful of all.

Each petal is exquisitely ruffled, or fluted, giving the flowers a refined appearance. Fine, ruffled, or fluted, giving the flowers a delicate appearance.

The only race of Gladiolus ever produced in the United States and the most beautiful of all.

Our New Primuloid Types of this strain are exceedingly fine.

Send for handsomely illustrated free catalog of 40 pages, offering over 230 fine.

A. E. KUNDERD, (BOX 2), GOSHEN, IND., U. S. A.

Planting a Pink Garden

(Continued from page 21)

romantic, perhaps, than the reality, but who cares for that? It kind of the touch of faery we are after.

We had rather see history than figures; in the very stuff of the olden-times folk made and used. To lay hands on a solid, enduring piece of the 15th Century, that is the history lesson unforgettable.

Flowers of the potted sugar rose are, of course, different from those of the wild rose, but they are not merely a fancy of nature. They are the result of careful cultivation and selection. The potted sugar rose is a popular plant, and is often grown in gardens and on balconies.

The only race of Gladiolus ever produced in the United States and the most beautiful of all.

Our New Primuloid Types of this strain are exceedingly fine.

Send for handsomely illustrated free catalog of 40 pages, offering over 230 fine.

A. E. KUNDERD, (BOX 2), GOSHEN, IND., U. S. A.

Planting a Pink Garden

(Continued from page 21)

peonies and columbines, Queen of May, the iris nearest to a true pink, predominated, but attended by the violet pink and white of Madame Paquette and Sappho. A soft radiance of lavender and violet was contributed by Lavender Eglantine and Gypsy Queen, a pale straw color by flavescens and a glistening white by aura, contrasting cleverly with the clear blue of iris pulchella dalmatica, the latter placed near the large silky pink petals of the oriental poppies, flanked by the dull grey and lavender of Veronica incana.

Hordes of pink and cream columbines fluttered everywhere, their lacy foliage contrasting with the grassy blades of the iris. The peonies as well as the irises were chosen from observations of the horticultural societies. All those listed are of the earlier varieties and not one of them reveals the slightest tinge of blue. Of the single irises Lecynia, Arros, and Rosy Dawn are of a wonderful satiny flesh tint. The Bride is an immense single one of glistening whiteness with conspicuous golden stamens. The others are all of the double or rose type, blending perfectly in tones of shell pink and delicate cream.

Contrary to the iris and peonies was an especially delicate border of maidenhair fern, lavender-blue Phlox divaricata, and the latter placed eye to eye with the clear blue of Cypisophila auctifolia. A rose, a witching pink. Above the fern, later, swayed coral bells. A single touch of gold was offered by the little shrub Penstemon fracticus, completely covered with flowers of a clear primrose, and resembling a wench single rose.

Against the hedge at this time—June fifteenth—were masses of taller flowers: foxgloves, pink lupines, Canterbury bells of a soft pink, hollyhocks of pinky yellow, and the tufted lavender-blue of Delphinium belladonna. I was horrified to discover that Smith's Williams and foxglove, so generally quoted as an excellent combination in their mixed variety, closed an appalling range of conflicting hardness, from white and salmon to cerise, magenta, purple, and violet. The flowers were soft, prompt and vigorous, and the upright spires of the hollyhocks subordinating the entire mass, as in this combination any white or very pale pink was swallowed.

THROUGH THE SUMMER

From the middle of June to the middle of September the garden was a treasure house of color for chance visitors. Of course there were phlox, spectrum lilies, hollyhocks, and coral bells. Had the summer months been under consideration I would have chosen the loose-strife (Lythrum roseum), cowslips and more phlox and delphiniums, the soft, warm pink ones and cold blue pink or flame color, some fine yellow ones, and a little Campbell, light salmon with warm pink center: Selma, light salmon with a small cherry-red fleck on the reverse; Wm. N. Craig, pale pink with a white eye; Mme. Paul Dutrie, an intense bright pink blush of peach and pink; and Daybreak, of soft pink color. An unusual flower for this season is Rudbeckia purpurea, a tall, soft violet rose color with a white center, appearing in August and for a soft mass planting add Cypisophila auctifolia.

SEPTEMBER BLOOM

In early September the garden was very satisfactory in its mass of bloom, though there was not the wild, interesting detail to be seen in the spring. The borders were filled with such splendid snapdragons; a few pink hollyhocks survived from summer, and the white sundrops (Oenothera) were still blooming. The spectaculums lilies which began to bloom in August. The best pink aster was Elate Perpetuum—a strong, hardy variety 3' high. In combination with this were flat-topped masses of tall yellow Sedum aizoon, lavender Stallda lutea, dwarf blue campanula, violet heart, and phlox—Peach Blossom pale pink, and Fantasia rose.

With the exception of the sky and whose period of bloom was postponed, all lingering toward the end of the month when the Japanese Anemones began to flower, and the last flowers of the spectaculums lilies began to bloom in August. The best pink aster was Elate Perpetuum—a strong, hardy variety 3' high. In combination with this were flat-topped masses of tall yellow Sedum aizoon, lavender Stallda lutea, dwarf blue campanula, violet heart, and phlox—Peach Blossom pale pink, and Fantasia rose.

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In order to facilitate the answering of the great number of letters that come in to the Information Service, we must ask readers to cooperate with us by observing the following rules:

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(2) State your problem concisely. If asking for decoration suggestions for a room or number of rooms, state the exposure and the existing features of the room. The Information Service cannot suggest alterations or improvements to plans or give schemes of decoration unless a full description accompanies the inquiry. If possible, send a sketch of the plans both in decorative and architectural questions.

(3) We do not supply plans for houses or for gardens. Plans are shown with many of the manufactured articles and houses in the editorial service. The reader may refer to that manufacturer who sends the catalog direct.

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(6) Remember that the answer is sent to the person who asks the question. Repliers are not mailed unless the answer is timely and is promptly as the necessary information is requested.

By looking on page 30 of the present issue, you will find a number of suggestions for your problems.

(Continued from page 30)

Intensive Methods and the Vegetable Crop

(Continued from page 30)

No fence or gate will stay permanently attractive and keep in alignment unless it is correctly proportioned and built, and all parts and fittings are of proper weight, strength and design.

In Anchor Post Fences and Gates each part is specially designed for the use to which it is put. Correct proportions, superior mechanical design and workmanship and an experience of over twenty-five years, combine to make them the standard by which all others are judged.

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By looking on page 30 of the present issue, you will find a number of suggestions for your problems.
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"Velvet water" is simply soft water—water freed from all the harsh, drying, irritating elements which detract from the comfort of toilet and bath, act unpleasantly upon the skin, and impair the processes of cooking and laundering.

Will give you an ample and unfailing supply of velvet water in your home—at a cost so small that you will wonder why you deprived yourself of its luxury so long. Whether your house is a bungalow or a mansion, there is a Permutit plant to fill your needs, at a price that you will willingly pay.

Write for the booklet, "Velvet Water, Velvet Skin," and the literature on Permutit.

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The first is now ready. Describes Roses, Dwarf and Standard Fruit Trees, Shrubs and Vines. Also Ornamental Trees, including large sizes for immediate effect. Evergreens a specialty. Unusually fine offerings in the four best broad-leaved varieties—Mahonia, Leucothoe, Mt. Laurel, and RHODODENDRONS.


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DON'T WAIT! until the birds are winging around for a new home. As bird houses among the trees are bird houses among the trees your home, now, so that they will become weathered by nesting.

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For your native flowers, for your native flowers, for your native flowers.

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The Only Place in America Where the Naubheim Baths, So Beneficial to Heart Weakness, Are Given With a Natural Calcium Chloride Brine.

Here rest and recuperation are scientifically promoted—private parks with miles of accurately graded walks for outdoor climbing are available—recessions of every variety are on hand amid incomparable surroundings.

Ideal conditions for taking "The Cure" during the winter months.

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On request, we will be pleased to send you illustrated booklet giving full information regarding rates, reservations, treatments, etc.

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within, although the Storm rages without.

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average country house today, or in any setting where simplicity is the keynote. The are especially designed for their wide range of prices from $6.00 to $35.00 a pair. The graceful proportions of the Adam andriots, illustrated, lend themselves more consistently to a room of the modern type or of French period decoration, being an adaptation of the Louis XVI detail and outline. With the Adamoids, the perforated brass fender makes the fireplace possess a more complete, but as the depth of the fireplace diminishing and breadth of the hearth have made the necessity for the wood fire than it used to be, the fender is burned in a grate, one rarely sees the fender in use, although many hundreds of thousands of copies originated by the great furniture designers such as Chippendale, Sheraton, Hepplewhite, and Adams exist and are reproduced in modern brass.

The shovel, tongs, poker and stand can be found in prices ranging from $1.50 to $25.00, while the trivet or old-fashioned kettle-rest, suitable for use at tea hour, can be bought for $10.00 to $25.00. The brass toasting fork is also an attractive and useful accessory for the fireplace. Reproductions of old English designs in these range from $2.50 to $5.00 each. The fork can be hung from brass hooks, such as are reproduced from the old English and Hall design. These can be found in great variety and range from 50c to $15.00 each.

LIGHTERS AND WARMING PANS

The Cape Cod lighter should not be overlooked, it is well in the equipment of the fireplace as an undeniable convenience, eliminating the use of paper. These are made in plain brass with a tray and igniter for $4.50 complete, and advance in price to $10.00 for the more-elegant types. The brass covered wood box is also desirable, where the space will admit of its use. Still another feature of the early American home, which we only associate with the present-day fireplace for sentimental reasons, is the brass warming-pan—sometimes made of copper as well—elaborately pierced and mounted with a carved mahogany handle.

In the house where the bedrooms were often without heat of any kind or in the more luxurious home, the room boasted a fireplace; this was so inadequate in the stress of extreme cold that the warming-pan, used to heat the linen bed covering, was re-carved into an indispensable accessory. Being without practical use today, however, the covers of warming-pan's, the candlestick ($3.50 to $15.00 each. The Russian candelabra, coming from the old-fashioned Russian oven, is a hand-crafted product of Russian genius that can be easily adapted to any use of electricity, and with a little added can be made into a lamp, the candlestick with a twisted stem in another old English design. This sliding stem candlestick is quite a different type again, in which the candle can be raised as by lifting the sconce and slide in a groove along the side of the candlestick.

RUSIAN BRASSES

In Russian brass, many of the candlesticks, such as are to be found in New York, represent the early Jesuit designs of religious significance. Jews, famous for their skill in this work, have carried with them religious traditions wherever they have gone. Of the other heatings receptacles of former times, such as braziers and foot-warmers, made in both copper and brass, few are seen now out of ornamental use as file holders, or perhaps converted into incense burners. The stove, or rather the grate, was adapted from the Pennsylvania early part of the 18th Century, known as the "Franklin Stove," much trimmed and polished, is still used in the old houses through our Pennsylvania and New England, and in much sought after. This country firm of builder of the Russian type. In England brass does not have that brilliance found in the Russian brass. The Russian candelabra, for example, although it may be silver, is not as silvery, especially true of the candles. Brass is not so popular in the popular situation these days.
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is the first-aid treatment to walls that crack. It is easily applied and not detectable. A can in the house is as necessary as "tack and hammer."

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is the first-aid treatment to walls that crack. It is easily applied and not detectable. A can in the house is as necessary as "tack and hammer."

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dustproof, waterproof, oilproof and

every-other-kind-of-proof. Let us
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While KOHLER Bath Tubs, Lavatories and Sinks are selected for the finest homes and apartments, the KOHLER Enamel... samples. or seedlings, postpaid. Or 2 of each and 8 award illustrated. Arbutus and Galax, $1.12.

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Capacities, 180 gallons to 10,000 gallons an hour.

The Truth About Dwarf Fruit Trees

Although the growth is not checked as much as we should like, the apricot will also be grafted on the plum, while the cherry ought to be worked on the Mazzard. Where plums are used, it must be on the plum branch.

PLANTING AND PRUNING

All fruit trees require a fairly well drained soil. They are not really exacting, but low, damp, poorly drained land must be avoided on the plum. It is well to plant in the fruit border. All means do so: if not, dig deep, liberal sized holes at least 5 deep and 3 wide, and use about one-third manure to the quantity of soil required to fill them. Have the manure thoroughly incorporated with the

American Evergreens
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supplies are complete. They meet your most exacting demands for permanence, for convenience and for operation without expert supervision or mechanical attention.

DEMING Tea Caddies, boxes for tobacco, general use, etc., made of wood, are square, oval or rounded, and require no restoration. The Government method, however, is to be preferred, as it uses the arsenic, is said to contain no arsenical content. One part of common nitric acid, one-half of sulphuric acid in a strong solution of the two.)

CARING FOR BRASS

The beauty of all brass depends largely upon its care, and in very many cases it may be well to add a few words regarding the best methods of caring for it. Many substances, such as oxalic acid, murric and other chemicals, are generally known, but acids much used; rubbing off, the brass dried and rubbed, and many others. The Government method, however, is to be preferred, as it uses the arsenic, is said to contain no arsenical content. One part of common nitric acid, one-half of sulphuric acid in a strong solution of the two.)

A simple cleaning recipe is not of mixing oxalic acid and water. Apply with a brush and to the polished surface of the metal. The truth so that the acid has power to act. A simple cleaning recipe is not of mixing oxalic acid and water. Apply with a brush and to the polished surface of the metal. The truth

THE Complete Systems.

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Russian brass from $2.50 to $7.00 a pair and for the smaller ones, suitable for desk use, to hold the sealing wax candle, from 5c to 10c a pair.

The brass seal, engraved with the monogram or crest, and converted brass, as shown in the illustrations, is generally known, but acids much used; rubbing off, the brass dried and rubbed, and many others. The Government method, however, is to be preferred, as it uses the arsenic, is said to contain no arsenical content. One part of common nitric acid, one-half of sulphuric acid in a strong solution of the two.)

1. The truth so that the acid has power to act. A simple cleaning recipe is not of mixing oxalic acid and water. Apply with a brush and to the polished surface of the metal. The truth

HOUSE & GARDEN

(Continued from page 80)

Brass About the House

(Continued from page 30)

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where cover crops can be used are recommended to prevent the loss of available sources of nitrogen. The fruit trees avoid if possible allow any manure to come in contact with the roots. A good mulch of coarse crushed bone through the soil will also add to the life of the compost.

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(Continued on page 84)
The Luxembourg Museum
And Its Treasures

By CHARLES LOUIS BORGMEYER

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And Its Treasures

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Booklet "Bird Architecture" free with every order.

Toms River, N. J.
The Truth About Dwarf Fruit Trees
(Continued from page 82)

LA PLACE, THE Antique Shop
(Continued from page 49)

Rich Color in the New China and Glass
(Continued from page 38)
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Absolutely hardy perennials surpassing beauty, origin-ated by us. The sturdy bushes, 5 to 6 feet high, are vered with gorgeous blossoms from July until frost. conspicuous and dazzling verty for any lawn or yard. order now.

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When White

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Write for illustrated booklets “The Medusa White House” and “Medusa Waterproofing.” They contain valuable information for the architect, contrac-tor and home builder. They show the artistic effects that can be obtained with a pure white waterproofed cement like Medusa.

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to digestion take place, the inorganic plant food which has been absorbed from the soil being changed into organic forms.

This elaborated plant food is in its turn redistributed through the plant to every part that is developing or making growth, and thus cells that are forming new tissue are fed. But even more remarkable fact remains. The plant foods or nutritive elements, once taken up, are transmitted through the plant both from the roots to the leaves and from the leaves back through the plant, independently of the flow of sap! The movement of the sap—which is, of course, only water—is determined by the temperature, the amount of moisture in the soil, and many other controlling factors. At times it ceases altogether, but the distribution of the nutritive elements in the plant continues through a slow process of diffusion in all directions.

The plant foods which we have spoken of as being absorbed with the soil moisture by the roots, are a dozen or so of different chemical elements. Most of those are present in every soil suitable for garden purposes in sufficient quantities to supply all the plant's needs. There are three, however, likely to run short: nitrogen, phosphoric acid, and potash—and the worst thing about it is that if any one of them is short, a superabundance of the others will not in the slightest degree make up for it. Every plant that grows is so independent that it has to have what it wants, and how it wants it, or it will balk then and there! For that reason we call any of these food materials which may be deficient the "limiting factor." For until that deficiency is made up, the plant will not continue to make the greatest growth of which it is capable. So it behooves the gardener who would grow the biggest flowers and the best vegetables to see that the supply of none of these foods in the garden cupboard runs low.

That, you may say, should be a simple matter; but:

While the number of plant foods, or rather of food elements, is few, the forms or combinations in which they may be found are innumerable, so that it is impossible to digest all at once. For the soil, or very quickly become "unavailable," in the analysis giving the percentages put down, you have probably heard of nitrogen, phosphoric acid, potash, and yet another, "ammoniacal nitrogen," which some of them are of special utility because they are acting. This means simply that nitrogen, phosphoric acid, potash, and any other of food elements, is few, to make available, but one of them is short, a superabundance of the others will not in the slightest degree make up for it. Every plant that grows is so independent that it has to have what it wants, and how it wants it, or it will balk then and there! For that reason we call any of these food materials which may be deficient the "limiting factor." For until that deficiency is made up, the plant will not continue to make the greatest growth of which it is capable. So it behooves the gardener who would grow the biggest flowers and the best vegetables to see that the supply of none of these foods in the garden cupboard runs low.

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To the better localize the question, we have an interesting little booklet No. 129, called "Two Great or Glass Gardens, a Peep Into Their Delights." It will straighten out a lot of queries for you. Send for it.

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Plant Foods and Feeding

(Continued from page 80)

manure and other bacteria-containing materials; when you keep the soil well opened up so that warm air can penetrate it; and when you maintain the supply of humus, which is essential to the growth and spreading of bacteria.

There is one more idiosyncrasy of plants which the gardener should know about. They have, like Jack Spratt and his wife, own ideas as to what is preferable in the way of food. The chemist can analyze a plant and tell what it has taken in from the soil, but he cannot tell in what forms the growing plant will prefer to have its food supplied. For this reason it is always advisable to supply the plant food in the garden from a number of different sources. This is especially true of the vegetable garden, where all kinds of crops are grown in close proximity. This habit of having a course dinner rather than a meal of the usual three dishes has the further advantage of supplying the different plant foods continuously throughout the season, as the same elements in different materials become available at different times.

The Root System

In order to fix definitely in mind this rather complex business of how plants live, let us attempt to picture, keeping the facts we have been discussing, just what happens when the roots of a plant penetrate a prepared soil. One of the photographs shows part of the root system of a young corn seedling which I started in sand and a little compost, and carefully took up, removing from it all the soil which could be readily shaken off.

As the roots push out through the soil, on most plants they branch very largely in all directions. It is a commonly accepted idea that they seek out the rich spots in the soil. In the photograph you will notice that some of the roots are much longer and less branched than others, while some are made up of thick clusters of roots—let's say, in the case of grass, such as our lawn grass, that they are redistributed. And so, silently, invisibly, in many cases with incredible rapidity, they are able to make any change in its environment that they wish without eye or hand or foot to guide them. The sap flow of the earth, or of any part of it, is the power that makes the changes happen in the soil, and helps to make any change in its environment that is the purpose of life. That purpose is elaboration of the root system that it may develop stems and leaves; to the sun and wind and rain; in order that it may finally to complete its cycle of growth leaves, to be eaten by one or another animal. The people of the earth may use or spurn, or use more, or use less, or use in different ways, but the earth, and the roots, do not change.

Naming the Country Place

(Continued from page 50)

The following may be taken as names, or spurt or continued suit; Berwick, Clavely, Dovedale, Eglington, Fairview, Hambleton, Ingleside, Inglenook, Lilac Lane, Otter Creek, Uddersend, The Lindens, Elsie, or Vervain, and Woodcote.

We did not look into the possibilities of the more ambitious names, like Castle, Manor, Mansion, or Hamlet, nor did we investigate those in foreign tongues.

These from the old English are pleasing for names of suburban or country homes. Each is composed of two words, and if one is not familiar with the literary portion of the title, it should be looked up. To a poet, as all are descriptive of scenic elements, every daisy, broom, bracken, Closegarth, Clovelian, Fennel, Fern, Garthdale, Gledburn, Greenfells, Hallamstead, Homersfield, Lyndon, Midhurst, Sedgewood, and Southdown. Again, one might use simple Dutch words, such as Dur- went, which means "a clear, white stream," or deken, a "dowdy raving." A surname may be used, as Taylor's, or with another name as Hale's Corners and Scott's Valley. Other names can be used in ways as Gabriella Galbraith, or Scafell; afterward; thus Lydia becomes the first two letters of Arthur. The first letter of the names, Elsie, or Arel; the second, of each, lady's first, Elsart.

One may find many appropriate names in a gazetteer, like Cambridge, Campden, and Campderdown.

My wife and I did not find many words of foreign origin in the naming of our home although we believed in the marriage of the Aryan races; the forebears had been separated by the North Sea. But when it came to the names of the trees, the birds, and the animals, we did not think hybrids.

Considering all, we had trouble with deciding what name we should use. As the average house includes the interested relative friends, has in naming the first place. At last we picked Hillocktrope, a new Old Angle-Saxon word, Vervain, and Woodcote. The meaning of a short slice, a place near a dwelling, portrayed the perfectly, and it seemed euphonious and unpretentious.
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Has sanitary equipment because efficient refrigeration means healthy food. A McCray Refrigerator is economical, easy to keep clean, efficient in every detail, and it gives you perfect refrigeration. Arranged to be used from the outside, it is convenient and keeps the ice man out of your kitchen. Make your home really modern by installing a built-in McCray Sanitary Refrigerator

The U.S. Pure Food Experts selected the McCray for use in the Pure Food Laboratories in Washington after the most careful tests. You can safely be guided by their judgment.

Lined with Snow White Opal Glass—stain proof and acid proof—the McCray is easy to keep clean and absolutely sanitary. There are no cracks or corners for germs to multiply—even the metal bar shelves are removable—and the entire interior can be kept always spotless. All impurities and odors are quickly discharged through the air-tight water-sealed drain pipe.

Let us send you illustrated catalog which shows a great variety of sizes at prices from $30 up for almost every requirement. Special sizes and finishes to conform with floor plans and match interior finish are built to order.

Any of these catalogs mailed on request:
No. 92 for Residences
No. 51 for Hotels, Restaurants, Clubs.
No. 74 for Florists.
No. 62 for Meat Markets.

Wing's Flower Seeds

Are of Highest Quality

Bloom from Early Spring to Frost

We can supply you with all your old favorites as well as many new and rare specialties.

Trial Offer
10 SPECIAL PACKETS MAILED POSTPAID FOR 10c

The following collection is easily grown. Aster, Cosmos, Gaillardia, Echinacea, Margold, Pansy, Potunia, Poppys, Poppy and Zinnia.

Write for New Catalog

We have just issued a very attractive seed guide. Completely illustrated. Describes every variety of vegetable, old and new, as well as 125 varieties of Gladiosi, 166 Dahlia, 165 Iris, 150 Peonies, the world's finest Sweet Peas and everything that makes a garden beautiful. Be sure and write for your free copy today.

The Wing Seed Co., Box 1027, Mechanicsburg, Ohio

Making the New Garden

(Continued from page 42)

1. Pulverize the soil as finely as it is possible to get it.
2. All plant foods which are to a large extent available for immediate use.
3. Incorporate with the soil all the humus possible.
4. Distribute throughout the soil as evenly and as plentifully as possible "friendly" bacteria.
5. Keep the soil well supplied with moisture by thorough preparation, by cultivation and irrigation.

That is the answer in a nutshell, but, like any other nut, there is some cracking to be done before the meat can be of much practical use. And so the gardener must interpret these condensed general principles into actual garden activities, and prepare to do it at once for results this year.

The first thing of all in the actual work of preparing the new garden is to get good groundwork, merely mentioning that as a reminder in passing, because no soil, old or new, which is a surplus quantity must be removed either from the top or from below. The soil which is to be used should be proper in all respects, the most suitable soil being a loamy one. It may be that you can find a suitable soil in the neighborhood. If so, it is a good place to begin.

If drainage has to be put in, all the good soil should be removed and put in a new place, say two or three feet distant from the old. The new soil should be thoroughly pulverized. In the case of a vegetable garden, the area to be covered should be pounded with a hammer and the soil thoroughly pulverized with a hoe or spade. The best is to go by the following formula:

A Garden Mixture

Potash is less than either of the other ingredients to be the base of any mixture, as the peat is already contained in your new garden. Now, you can make your own ordinary sources of potash will be exceedingly scarce this year, will make the following mixture in your garden: 25 lbs. of hydrated lime, 100 lbs. of acid phosphate and 100 lbs. of muriate of potash, and use the rate of 5 lbs. for each 100 square feet of garden space, supplement it by a good dressing of lime. In the case of the things you plant you will not be able to get the same as was the case last year, and the things you plant will not be able to be handled. Fortunately, the things you can get now are a very satisfactory substitute, or rather super substitute, and while the prepared commercial "humus," has the water absorbing and a breeding property, which too much nitrogen at times can be harmful. It is possible to get it. But, there is the important factor, so far as food is concerned, that you are not paying more for it, even, ever, that there are a few things which are too much nitrogen at times can be harmful and the only practical source of nitrogen is animal manure—it being remembered, ever, that there are a few things which are too much nitrogen at the time, but doing their share of work, there is no getting away from that, after all, in this system of culture, he had to select a good, well watered and free from roots, stone and wood ashes.

When it comes to animal manure, the old practice of throwing it over the ground and letting it be taken to select a good, well watered grade which has been so to say, the answer in a nutshell, becau.se no soil, old or new, that is, in the making, as the peat is already contained in your new garden. Now, you can make your own ordinary sources of potash will be exceedingly scarce this year, will make the following mixture in your garden: 25 lbs. of hydrated lime, 100 lbs. of acid phosphate and 100 lbs. of muriate of potash, and use the rate of 5 lbs. for each 100 square feet of garden space, supplement it by a good dressing of lime. In the case of the things you plant you will not be able to get the same as was the case last year, and the things you plant will not be able to be handled. Fortunately, the things you can get now are a very satisfactory substitute, or rather super substitute, and while the prepared commercial "humus," has the water absorbing and a breeding property, which too much nitrogen at times can be harmful. It is possible to get it. But, there is the important factor, so far as food is concerned, that you are not paying more for it, even, ever, that there are a few things which are too much nitrogen at times can be harmful and the only practical source of nitrogen is animal manure—it being remembered, ever, that there are a few things which are too much nitrogen at the time, but doing their share of work, there is no getting away from that, after all, in this system of culture, he had to select a good, well watered and free from roots, stone and wood ashes.

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A "transformable" light that harmonizes with any decorative scheme

When you change your draperies and wall coverings this Spring plan to have your lighting in perfect harmony with the furnishings.

This is now possible for the first time through the medium of the artistic

HOLOPHANE Decolite

"The Light of Your Personality"

By inserting fabric of suitable design and color harmonies, the once glass "beaded" Hoiphane Decolite may be made into artistic designs by means of which every room and home may be made harmonious with the decorative scheme. If you wish, you may insert the identical material used in your furnishings, table cloths, etc.

The Decolite provides a light of unrivalled quality for reading and sewing, absolute volume without glare. All strains eliminated. The Decolite is a part of the artistic Hoiphane Glass Co., Inc.

Hoiphane Glass Co., Inc. 340 Madison Ave., Dept. C7 New York City

Make the Neighbors Proud of Your Place!

HANDSOME gates, ornamental railing, lamp standards, lamps, grill work, fountains, lawn vases, tennis court enclosures, etc., of Fiske pattern and special designs and, if desired, will erect complete. Do it to harmonize with surroundings invariably demonstrate the good taste of their owners and add to property values.

We've an endless variety to select from, will execute special selection of the best Nuick Tree, Hedge and Garden Roots. Since 1884, Nature's ''Fats'' and Garden Roots.

Our catalog contains a list of trees, shrubs, ornamental, vines, box, for early planting. Everything for lawn, garden, or orchard, and all of highest grade and selection. Highest grade materials only. The E. H. Fiske Iron Works Catalog now. Pick out the stock you want and get it planted early. We are extremely careful to send out fruit trees and roses in the most perfect condition.

American Fence Construction Co.

FREE CATALOGUE.

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ONE EAST TWENTY-EIGHTH STREET

WORKS OF ART IN METALS

Unique and useful things of Bronze, Copper, and Bronze wrought and beaten for artistic designs by the hands of Russian peasants.

EXHIBIT OPEN TO THE PUBLIC.
Grow your own Vegetables

Continued rise in food-costs makes a garden of your own more desirable than ever.

You can make it pay big crop-dividends by using Planet Jr Garden Implements. They do the work of three to six men, or enable you to cultivate four times the acreage possible with ordinary implements, because they are especially designed to save time and labor and are scientifically constructed of the finest materials to give lifetime service. Used for over 45 years and by over two million farmers and gardeners with greatest success. Fully guaranteed.

Planet Jr Garden Implements

No. 25 Planet Jr Combined Hill and Drill Seeder, Double and Single Wheel-Hoe, Cultivator and Plow will work two acres of ground a day. It is a great tool for the family garden, onion grower, or large-scale gardener. Is a perfect seeder and combined double and single wheel-hoe. Unbreakable steel frame.

No. 17 Planet Jr is the highest type of single-wheel hoe made. Its light, durable, ingenious construction enables a man, woman, or boy to do the cultivation in a garden in the easiest, quickest and best way. Use these tools and cut down living costs. We make 32 styles of seed drills and wheel-hoes—various prices.

New 72-page Catalog, Free!
FREE—Write today for our new catalogue entitled The World's Best Dahlias

Accurately describing all the best new and standard varieties in Cactus, Decorative, Giant Flowering, Show, Fancy, Pompon, Peony, Duplex, Collarette, Anemone, Century and Single. Natural color reproductions of New Decoratives, "Dr. Tyrrell" and "Minnie Burgle" and 38 beautiful half-tone illustrations of the distinct types. The leading Dahlia catalogue with the 1917 novelties. Book, "The Dahlia," 5th and revised edition, 50c.

PEACOCK DAHLIA FARMS
Berlin, New Jersey

A Work Saving Result
Insuring Sprinkling System for your Garden

Don't let all the painstaking work you're going to put into that garden of yours this spring go up in smoke. Inspect and check-acting—get it right. Protect it against the dry weather days that come along and stave up your flowers and vegetables. A Skinner System Sprinkling Line is your sure insurance against such a happening. No trouble, No labor, Just turn the valves on and forego. Thermally and uniformly waters your plant with pure spray, all the time. Does not pull the soil nor increase the heat foliage. Saves to more than one change position. A few minutes' attention saves your garden.

Penny-profite, failure assured, costs $10.50. Water 1,000 square feet. For other lines, add $2.50 a foot extra. For $8.50 we apply lines with an Automatic Turning Berlin, which will move the spray from one side to the other, and then itself shut off the water. Times of watering under full moon.

Send for full information about this Skinner Sprinkling System

Skinner System of Irrigation
264 Water Street Troy, Ohio

DREER'S OLD HEART LETTUCE

Dreer’s Vegetable Seeds

have 79 years of experience back of them, and in no other business is expert knowledge so necessary. You can materially reduce the high cost of living by having a garden and growing your own vegetables.

Dreer’s Lawn Grass Seeds

are blended from the highest grade seeds of strong vitality. Let us send you our booklet on Lawn Making—free.

Dreer’s Garden Book for 1917

is declared by a legion of enthusiastic gardeners to be the most complete and valuable reference book on growing vegetables and flowers, ever issued. Colored and descriptive plates—over a thousand illustrations. Lists everything worth growing, both ordinary and novelties and standard varieties.

A copy sent free if you mention this publication.

HENRY A. DREER 714-16 Chestnut St., Phila.
SEND FOR IT TODAY

You Really Need This

FREE SEED ANNUAL

It's helpful as well as handy and handsome. Hundreds of instructive pages—splendidly illustrated. You certainly will be glad you sent for it. Best Annual we've ever issued—FREE.

GOLDEN DAUNN SWEET CORN

Medium early variety—unsurpassed for sweetness and flavor. Stalks 5 to 5½ feet high—ears of good size and usually well filled to extreme end. (Another popular sweet corn is Granite State—for which we have had many calls.)

Larry Seed
Franklin Park Lawn Seed—made from selected seeds—formula of Park Commissioners of Boston. Starts at once if ground is in proper shape. Free from weeds, contains no chaff.

POTTLE, FISKE, RAWSON CO.
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Six Months of Vanity Fair will Enable you to Ignite a Dinner Party at Fifty Yards

DONT be a Social Gloom. Don't be an intellectual Wet Blanket. Don't kill the dinner stone dead along about the chicken okra or the baked sea bass. Enjoy it all the way from the cocktails and caviar clear through to the coffee and Coronas. Make others enjoy it.

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I want to go through life with my mind open; to keep my sympathies warm, to keep in touch with the newest and livehest influences of modern life. Therefore, I want you to send me the next six numbers of Vanity Fair. My favorite dollar is inclosed.

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Illustrated is aUtilitarian and Decorative Furniture. It is designed by our own talented staff in the latest styles. Each piece is handcrafted by skilled craftsmen. Vanity Fair is available in a variety of finishes, including walnut, mahogany, and oak. Free shipping is available on orders over $250.

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ERSKINE DANFORTH CORPORATION

Piltdown Corporation

Piltdown, China

801 W. 9th Street

Plainfield, N. J.
The Legends of the Modern Nursery

(Continued from page 35)

possible to get any effect with it, it wear such as it is bound to get
shows every speck of dirt, and it does A low, wooden table for playing
not last half as long as that which and one for eating are advisable A
has a preserving
coating of stain or enamel.

Low benches, drawers and playthings boxes save the mother and
nurse from constantly waiting on the child. The drawers should be made to pull
out easily—not too heavy for little arms. A low, long bookcase for the smaller,
breakable toys and a big box for the heavier ones are nursery assets. A light-
weight box covered with matting is excellent for this purpose, as the cover is
light and the box will stand much

A platform with a rail around makes a good stopper and play corner

Photographs by Johnston-Hewett Studios

The nursery bedroom is nothing more than a grown-up's bedroom in miniature. The child should play and eat in one room and sleep in another

When garage doors are locked open by the Stanley Garage Door Holder No. 1774, nothing can budge them.

The wind cannot slam them against your incoming or outgoing car. Yet a pull on the chain leaves them free to close.

Stanley Hardware

is especially designed to fulfill garage requirements. The ball bearing hinges carry heavy doors so that they swing easily, without sagging. Stanley Garage Hinges, with Stanley Garage Latches and Bolts, assure you handsomely equipped doors that will close snugly and weather-tight.

Whether your garage is simple or elaborate, and whatever its construction, there is just the right Stanley equipment for it. You can see the different designs at almost any hardware store.

Send for your booklet H-3 about Stanley Garage Hardware. It will interest you—write today.

The Stanley Works

New Britain, Conn., U.S.A.

New York, 100 Lafayette Street

Chicago, 71 East Lake Street

Perfect Health and Luxuriant Growth in Flowers and Ferns

In certain of this artistic way-covered hanging baskets which is
ited with the Illinois Self-Watering System, accorded by experts to
be conducive to perfect plant growth. This system eliminates bothering daily watering and prevents the possibility of dripping money away. It is unnecessary to take the baskets down to water the plants; all of the excess water drains away, ten inches in diameter, and is caught in strong chains. No water is wasted, and the plants receive all the necessary care and attention.

Send for our interesting booklet showing self-watering plant stands, wire, and accessories.

SEE OUR EXHIBIT AT THE INTERNATIONAL FLOWER SHOW AT GRAND CENTRAL PALACE, MARCH 15 TO 22.

MILLER & DOING

62 York Street

Brooklyn, N.Y.

Rose

Sturdy and Strong Rooted

DON'T be satisfied with one fleet of rose blooms. Plant some of my sturdy Americanized all-slower bloomers, and you will be able to go out into your rose garden for months and cut big generous bouquets for your table. The superior quality of the new stock which I am offering this year will soon be recognized by all rose lovers. It requires no coddling. Every plant will stand at rigorous winters.

My rose catalog describes all the best varieties.

Gladiali

To your midsummer garden should be added the delightful charm of these sturdy, yet graceful gladiali. Its range of wondrous colors is truly a revelation. It is beautifully adapted to cutting for home decoration.

I am offering all the most favor-

able varieties in fresh, green, and American grown bulbs. Every bulb is true to name andvron in blooming perfection.

Send for my Rose and Gladiai Catalog.

As a tryout for quality-cutting stock, I will send a box of 25 choice selected bulbs, of named varieties anywhere in the U. S. for $1.

A. B. Van der Beek

Roses and Thistles

176 Broadway, Paterson, N. J.
Make Your Home Grounds the Beauty Spot

in your neighborhood. To do this, plant hardy adapted trees, shrubs, etc., that will give you immediate effect. Our new illustrated catalog tells you about them and gives you the result of forty years' practical experience. Write for it today.

The Coe, Converse & Edwards Co.
Nursery and Landscape Men
Box A, Fort Atkinson, Wis.

OPEN OR CLOSE YOUR SHUTTERS FROM THE INSIDE
It is old-fashioned, inconvenient, dangerous and unnecessary to have an entire row of the windows open or close the shutters. If you install the MALLORY SHUTTER WORKER:

Operated from the inside, you can close or open the outside shutters in any position from the inside without even raising the window.

The Mallory Shutter Worker is a simple and durable contrivance, not requiring any special skill to install, but a child can operate.

You may install it at a price of 50c per window according to your order and have the old shutters left in place. Close your windows, roll your shutters and open the window to it or hold outside shutters in any position. Over 10,000 are in daily use. The Mallory Mfg. Co., 233 Mass. Ave., Boston, Mass.

GLASS CLOTH
A transparent waterproof fabric, guaranteed to generate about the same warmth and light as glazed sash, or money back. For all forcing purposes. Sample 30c prepaid.

PLANT FORCERS
TURNER BROS., Bladen, Nebraska

EASTER SUNDAY FALLS ON APRIL 11th
Thousands of homes have been cheered, the weary days of thousands of Invalids and invalids have been brightened by watching the wonderful budding and blooming of our Magic Lily of Valley

IN BLOOM which flowers in 15-18 days from time of planting in our SPIRITUAL prepared GROWTH MIXTURE.

Pure white, delicately fragrant, the lovely flowers ring out a JOYOUS EASTER GREETING to your friends.

We send POSTPAID, with full directions how to grow, with No. 100, $1.00; 1000, $25.00. Sample 10c prepaid.

H. H. BERGER & CO., 70 Warren St., N. Y.
Garden Time
Is Right Here!
Are You Ready?
First thing is to order your outfit of frost-proof plant growers
Sunlight Double-Glass Sash for cold framed, both door, or a small
ready-made Sunlight Greenhouse.
They double your profits!
Immediate shipment.

Start Seed
With Suntrapz
Midget seed starters
and plant growers—
work indoors or out-
doors.
Two of them to start the need
will set both cool frame and an ample kitchen
area east of Rocky Mountains.
and plant growers—

Continental Color for American Homes
(Continued from page 32)
around the windows and doors and
abiding the second story string course.
Or it may be elaborated at certain
spots where the shape of the wall
space lends itself to a larger decora-
tion. The simpler forms will be very
save it be in some corner of Bohemia

Carnations and the Open Border
(Continued from page 36)
only protection given is the cold-
frame or pit, and I have frequently
seen failures through the use of

The Legends of the Modern Nursery
(Continued from page 96)
A doll’s house, perhaps 5’ high,
with doors and two side windows
could easily be built in the nursery
corner, and would prove a delight
to the children. A tiny door bell or
a knocker, two suitable chairs and
table in one room and a doll’s bed
and basin. The windows should
be large and without glass, to insure
plethora of lime and ture of the old ones.
time improve the soil, a heavy dress-
cover up the somewhat leggy na-

City Water Service
in the Country
ANY one having an available source of water from well, spring, or lake—
have a water supply system offering to
water pres­sure or by hand, to supply an adequate volume of water, and
water, or at the lowest pressure, to meet all reuiilremcnts.

Water Supply
Systems
may be selected as needs which may exist in
engine, and certain water pres-
system, and the design selected.
In planning for such murals, it
might be well first to study photo-

Gorham Galleries
Sculture by American Artists
THE GORHAM COMPANY
Fifth Avenue, New York City

Hicks’ Big Treasures
of all sizes are awaiting the order of every proprietor and every
home. Each tree is grown on a
large hill of earth around itself
then canvas wrapped and ready
for a wood platform. We ship
fully 1000 miles.

Hicks’ Nurseries
Westbury, L. I.

Are You Ready for Spring?
If NOT, send for our illus-
tury, wash-stands and tubs should
be large and without glass, to insure reaus, wash-stands and tubs should
be painted and decorated
with a little door and two rooms one of the fronds. J he sturdy, eas-

Smoky Fireplaces
Made to Draw

![Smoky Fireplaces Made to Draw](https://via.placeholder.com/150)

Have You A Big Outlook
Like This?
No matter how pretentious or
small your grounds may be—Big Treasures make them more
field a town house,

Hicks’ Big Treasures
of all sizes are awaiting the order of every proprietor and every
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Hicks’ Nurseries
Westbury, L. I.
This is Complimentary

One of the most interesting contributions to business literature in recent years is Joe Chappie’s interview with David Belasco on "The Dramatic Element in Business"

This classic, which forms just one number of Mr. Chappie’s famous “Interviews” with great business executives, has been reproduced (by request) for readers of House and Garden and may be had on application, with four cents to cover postage.

“The most original and refreshing thing since the Message to Garcia”

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Because You Live in the Country

The Countryside Magazine is for you. And this offer is for you. Six great special numbers, with gorgeous covers by Paul Branson; a wealth of beautiful pictures, and articles on every phase of country living, for only One Dollar. The numbers are:

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This is the limited offer of the new owners (The Independent-Harper's Weekly) to enable you easily to make the acquaintance of the greater Countryside Magazine. Good only if you accept before March 20.

Because you live in the country—or expect to live there some day—or go there now for rest and recreation, The Countryside is your magazine.

Every important problem that concerns your comfort or enjoyment as a country householder you will find discussed in The Countryside by recognized authorities who stand highest in their chosen fields.

Each number has its big central subject, but every number, big or small, has a bathroom number, a building number, a house furnishing number, a decoration number, a poultry number, a motor number—a country living number in every sense. The Countryside Shop never stops, in any part of its field.

Note These Features

Space permits only brief mention of the editorial plans of the new owners.

Aymar Embury II, with five articles, inaugurates "The House Liveable." Harold A. Capon, former President of the American Society of Landscape Architects, is presenting a series of articles on "The House Outdoors." J. Horsa McFarland launches our campaign "Better Homes for America" with an article in March illustrated in four colors.

"The Whole House—Room by Room" is another new feature to begin soon—a series of monthly manuals—talking up the problems of construction, decoration and furnishing as applied to each room as a unit from bedroom to library. Churchill Ripley writes during 1917 on Rugs; E. I. Farrington writes on Poultry (every month); Harold D. Eberlein and Abbott Moore write on Furniture; William Hayes and Mrs. Leslie Hall write of Dogs and Kennel Interests; Charles Dexter Allen tells what is new in Textiles; Harold J. Howland supplies a monthly editorial on the Spirit of the Countryside; Theodore M. R. von Keler is the Motor Editor and conducts the Motor Service; F. F. Rockwell, Jessie F. Frothingham and Paul Farm are busy with Horticulture and Gardening; A. C. Southworth writes on Trees; Lower Hills Frelinghuysen, with the Countryside Garden Laboratory, will appear in the gardening numbers to appear in The Countryside every month.

Note These Names

The roll-call of contributors under the new ownership includes: Margaret Woodward Wilson; Zona Gate, author of Friend of My Life; George Hadden Martin, creator of Many Loves; W. H. Truexdale, President of the Lockwood-Roebuck Co.; Rev. Harry Emerson Fosdick, of Union Theological Seminary; Mary Margaret Potter, daughter of Professor Sargent of the Arnold Arboretum; Hudson Maxim; Joyce Kilmer; John Dean Provost; George W. Cabot, author of Old Courses Days; Stuart Edward White, author of "The Blazed Tree;" Cutsom Borglum, Sculptor; Kathleen Norris, author of "Mother;" Walter Prechtel Eaton; John Burroughs; Norman Hapgood; Max Eastman; Josephine Durand Bacon; Horace Hayenborn; May Irene; Edward F. Bigelow; Jack London; Wilfred Wilson Gibson; Cecilia Beaux; Herbert Reed (Right Wise); P. A. Vaile; Maud Deland; Mary Roberts Rinehart; Marion Josephine Daskam Bacon; Herman Hagedorn, whose names stand high in American literature.

Note This Program

Here are the specific interests to which The Countryside devotes its attention primarily:

HOUSE BUILDING—The acquisition of land, selecting the building site, placing the house, scientific construction, buying the best building materials and equipment, choosing the house plans, design, and the architect and builder—on these subjects the country house owner needs advice. The Countryside Shop tells you how to get it in The Countryside Magazine.

LAWN TENDING—What is new in lawns andloadings, fertilizers, insecticides, lawn ornaments and accessories. The Countryside Shop keeps you in touch with the latest improvements, methods and materials that improve and beautify your yard and garden.

FORTHFOOTING—Choosing rugs, curtains, hangings, furniture. Every object that helps to make your life indoors complete you will find discussed in The Countryside by writers who know their subjects well.

OUTSIDE THE HOUSE—Preparing and keeping up the grounds to make your house in the country beautiful in its setting, putting up greenhouse and garden, building sheds and barns, planting the garden, choosing efficient tools, planning the flower beds, selecting seeds and garden furniture and decorations, enriching the soil, raising small fruits, dairy and poultry.

HOME FURNISHING—The best that can be had at home, in each article. The Countryside Shop makes this easier and more interesting.

FARMING—The usual things, with new features, especially the best of new agricultural sources of information and its scientific and accurate presentation of horticultural knowledge.

SPORTS AND RECREATION—Life in the open air is a big factor in your scheme of country living. In The Countryside, as the seasons come round, you will find striking and picturesque articles on motoring, golf, tennis, riding, driving, skating, shooting, fishing, camping, boating and other sports—to help you get the most out of your life along the countryside.

THE NEIGHBORHOOD—Good roads for your motor car, better schools for your children, proper lighting for your side-walk, the country club for your recreation, the suburban church for your worship, improved railway stations and train service for your suburban travel, more attractive approaches for your town—these things concern you intimately; and these are things for which, as you will see, The Countryside stands.

The Countryside Shop

A new and unique service free to every reader. This alone is worth many times the full subscription price—merely in what it saves you. The Countryside Shop keeps you in touch with the new things, and the best things, offered by the merchants and makers, growers and distributors. It brings you the new ideas of those who plan and execute. It tells you how to get things, what to get and where to get them. To expert counsellors are leaders in their special fields. Consultation is free—regarding Seeds, Bulbs, Fruits, Trees, Houses, OutofDoor Adornment, House Plans, Building Materials, Furniture and Rugs, Motor Cars and Accessories, Trucks and Tools, Poultry and Dogs, Sporting and Outdoor Goods, Country Property.

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For $1.00 we will mail a complete collection of Fordhook tested and proved Vegetable Seeds, suitable for a medium size garden, together with booklets "Food Value of Fresh Vegetables" and "Vest Pocket Guide on Vegetable Culture," as follows:

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