“Just as every attic has a past—so every cellar has a future”—with

The IDEAL Type “A” Heat Machine

The Memorable Function

WHERE hospitality is genuine—where good spirits are spontaneous—where Service is perfection and where COMFORT is Supreme.

How much depends upon the steady flow of warmth to maintain the proper temperature for lightly clad guests!

The hostess may dismiss worry from her mind when the home is heated by an IDEAL Type “A” Heat Machine.

Automatically controlled Day and Night, it silently sends soft June-like warmth to all rooms. Costly coal is burned with scientific exactness—every heat unit is made to do its work.

The resultant record of economy shows an average fuel saving of 33½%. This in few years, saves the cost of installation of an IDEAL Type “A” Heat Machine with the handsome and efficient AMERICAN CORTO Radiators.

Write for catalog with test-chart records of efficiency and economy

AMERICAN RADIATOR COMPANY
Dept. 23—NEW YORK and CHICAGO
Sales Branches and Showrooms in all large cities

Makers of the world-famous IDEAL Boilers and AMERICAN Radiators
March, 1921

BISHOPRIC
Throughout for the
House of Supreme Quality

The Home is the Source of All Virtues—
Domestic and Civic.

No expenditure is so important as that which you make for a home.

The United States Government urges through the Department of Labor, that all Public Service Corporations "Encourage people to own their own homes and thereby satisfy one of the fundamental needs of humanity—the possession of homes."

It is the personal satisfaction felt in the possession of a beautiful home which everybody prizes.

Your home must have quality of strength and durability, it must wear, and it must have style—you are to live in it for a period of years; you will see it every day and every day your neighbors will see it.

The quality you want for the comfort, safety and welfare of yourself and family—the style you want to satisfy your own and their taste—both you want for your neighbors and even passing strangers to judge you by.

The outside appearance of the house indicates the manner of the Man within. It indicates, as it were, your standing in the community, and certainly, if circumstances lead you to remove elsewhere, you want, as a commercial asset in your house, both strength and beauty, for these are sure to get you a better return in rent or sale.

BISHOPRIC is the best and at the same time the least costly building material for stucco exterior over old or new houses. It is the best and at the same time the least costly insulating sheathing for frame or brick veneer houses.

As an insulating, strengthening, sound-deadening, moisture-proof and fire-resistant base for interior plaster walls, ceilings, sub-floors and sub-roof, BISHOPRIC is in a class by itself.

BISHOPRIC provides a home that is warmer in winter and cooler in summer than other forms of construction. It provides a house that is absolutely dry, vermin-proof and HEALTHY.

BISHOPRIC builds for Quality of Strength, Durability, Economy and Style. If you contemplate building a new house, remodeling an old one, or only making minor alterations it will pay you handsomely to find out all about BISHOPRIC.

Let us send you our beautifully illustrated booklet. Ask us any questions you wish about building problems, big or little—our Staff of Experts will gladly give you complete advice at no obligation to you. You are sure to get some valuable and practical suggestions.

A. J. LEONARD
GENERAL CONTRACTOR


The Bishopric Mfg. Co., Cin., O.

Gentlemen:—After thirty years experience in the building game, I am thoroughly convinced that there is no background for stucco on the market today to compete with BISHOPRIC BASE from the standpoint of economy and strength.

I am also convinced that Bishopric Base used direct to studding covered with stucco will make a much warmer and stronger building than ordinary lumber sheathing, paper and siding.

I would be glad to recommend the use of Bishopric Stucco or Sheathing Board to any one who is interested.

Respectfully yours, A. J. LEONARD.

(We have prepared special technical information for architects and builders)

The Bishopric Mfg. Co.
539 Este Avenue
Cincinnati, Ohio
Factories: Cincinnati, Ohio, and Ottawa, Canada
Greater Comfort and Cleanliness—Better Health in the Home

—through Weatherstripping

No matter how much you pay for windows and sash for your home—no matter how carefully the sash is set in the frame, the joint will not be tight. The inevitable warping and shrinking of the wood makes cracks and crevices through which cold currents of air, germ laden dust and dirt sifts in.

Chamberlin Metal Weather Strips will seal your home against the entrance of cold, unhealthful draughts, prevent the escape of heat, shut out dust and dirt, exclude noises, eliminate rattling windows—and pay for itself in a short time in the fuel it saves. This equipment can be applied to practically every type of door and window—wooden or metal sash.

FREE

An Estimate of Cost

The cost of Chamberlin Metal Weather Strips for your home is probably less than you imagine. Without obligating you, let us give you an estimate of cost. Simply fill in and mail the coupon today.

Chamberlin Metal Weather Strip Co.
550 Dinan Building
Detroit, Michigan

Send this Coupon for FREE Estimate of Cost

Date
Chamberlin Metal Weather Strip Co.
550 Dinan Bldg., Detroit

Provided I am not obligated, you may give me an estimate of cost of equipping my home with Chamberlin Metal Weather Strips and send your booklet on permanent weather stripping.

Number of Outside Doors. Windows

Name
Street Address
City and State

What Can Be Done When the House is Draughty

By Alice Butler

Many people regard draughts as one of those annoying inconveniences which have prevailed from time immemorable but for which there is no adequate remedy. A draughty house is too often taken as a matter of course.

Few realize that draughts provide a real menace to health and well being. They produce an actual economic loss rarely reckoned by the home owner.

The Cause of Draughts

Draughts are caused by cold air currents rushing in through cracks and crevices between sash and frame, between doors and floors. These crevices allow cold and dampness to sift through into the house from without.

Results of Draughts

These icy air currents make it impossible to heat a house evenly. Rooms are too cold in one spot—too warm in another. Uneven temperature of this kind is a very potent cause of colds and more serious ailments. Likewise the effect of sitting in a direct draught is too familiar an experience to require further comment.

Besides the ill health and discomfort produced through these cold air currents, draughts are decidedly costly to the coal bin. As the cold sifts in from one side it forces the heat out thru the other, making an added amount of coal necessary to heat the house. Investigation has proved that a draughty house requires approximately from 10 to 20% more coal to heat it properly than would be needed when the draughts are eliminated.

In addition to these dangers and ills, draughts provide other unpleasant features. Just as cold air sifts through the crevice, so does dirt, dampness and germ laden dust. What this means is best known by the house owner.

The Remedy for Draughts

More people are beginning to realize each year that draughts and other resultant evils are as they previously believed, necessary evils, but that all of these difficulties can be effectively stopped by effective weather stripping. The metal strips fit closely around doors and windows thoroughy seal all crevices and prevents the inrush of air, dampness and dust.

An Interesting Audit

An interesting little audit recently taken by a well known manufacturer of weather stripping.

This company sent a letter to several hundred of their customers asking them why they installed weather strips and the results they had obtained from them. The following table of results of weatherstrip taken from the replies is exceedingly interesting and is of course self-explanatory.

<table>
<thead>
<tr>
<th>Result</th>
<th>Number of Replies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Save coal</td>
<td>195</td>
</tr>
<tr>
<td>Eliminate draughts</td>
<td>138</td>
</tr>
<tr>
<td>Stopped rattling of windows</td>
<td>135</td>
</tr>
<tr>
<td>More evenly heated home</td>
<td>132</td>
</tr>
<tr>
<td>Keep out dust</td>
<td>65</td>
</tr>
<tr>
<td>Make windows slide easier</td>
<td>15</td>
</tr>
<tr>
<td>Keep out rain</td>
<td>12</td>
</tr>
<tr>
<td>Eliminate storms</td>
<td>17</td>
</tr>
</tbody>
</table>

The fact that weather stripping furnishes a practical and effective solution to all of the difficulties mentioned in the earlier graphs is best evidenced by the fact that architects throughout the country generally include item of weather stripping in specifications.
Suggestive of Fontainbleau is this exquisite boudoir; the ivory walls accented with gold on the carving of the paneling and the window draperies of gold silk embroidered in subtle tones of mauve, green and rose which are repeated in the cover of the carved chaiselongue and the Aubusson carpet.

In the ever-changing exhibits of interiors at the Hampton Shops you will find such fine examples of old French marqueterie as this interesting desk, as well as handmade reproductions of the designs of the famous XVIII Century French and English cabinet makers. Here also you will find the able assistance of the Hampton Decorators who are equipped to carry out in every detail, interiors harmonious with any architectural setting.

Hampton Shops
18 East 50th Street
Facing St. Patrick’s Cathedral
New York

Decoration - Antiquities - Furniture
HARMONIOUS wall decorations do much to make a home more comfortable and inviting.

You will never realize the artistic possibilities of your rooms until you have them decorated with Sanitas Modern Wall Covering.

Sanitas is made on cloth, machine-painted in decorative patterns or in dull-finished tints that can be hung plain or frescoed, blended or paneled. Sanitas does not crack, peel or fade. A damp cloth wipes off dust and finger marks.

See the complete Sanitas sample book at your decorators or dealers.

Samples and Booklet sent on request.

THE STANDARD TEXTILE PRODUCTS CO.
320 BROADWAY, NEW YORK
Dpt. 21
$250.00
Prize Contest

This picture is an advertising illustration. It is similar to the pictures that have been used in like advertisements during the past year. Do you know what well-known product it advertises? If you do, you may win $250.00

Read the Conditions Below

To complete this advertisement we need a dialogue or monologue of not over 35 words which will represent the conversation of the characters in the picture, and will bring out some desirable feature of the product advertised.

What are the people in this picture saying? For the most apt and most cleverly worded dialogue or monologue that completes this advertisement, and that is submitted to us by May 15, 1921, we will pay $250.

Any one may enter this contest except professional advertising writers. Should the winning advertisement be submitted in identical wording by more than one person, each will be paid $250. The prize-winning answer, together with the name and address of the winner, will appear in the September issue of this magazine. However, a check will be mailed to the winner as soon as the contest can be decided.

CONTEST EDITOR, 16th Floor, 150 Madison Ave., NEW YORK
OWNERS of Stucco-on-Metal Lath homes realize most fully the real joys of home owning. For in stucco they find a material adapted to every requirement of the really GOOD home and yet most reasonable in cost.

The Home of Every Requirement Yet Most Reasonable in Cost

THE stucco home when built with **Kno-Burn**

Metal Lath

as a support for the exterior stucco and interior plaster *endures*. Age but enriches it. Upkeep is almost unknown. Even fire can gain no foothold. And thus economy ever guards it.

Kno-Burn Metal Lath is a *Heart of Steel* in the walls and ceilings. It protects the wooden structural members from fire. Its small diamond shaped meshes have a vise-like grip on the stucco and plaster and by acting as a reinforcement in every direction *preserve* the original smoothness and beauty.

This construction insures the original charm, distinctiveness and comfort of the home *for future generations.*

Have you a copy of "Fire-Proof Construction" describing the many advantages and economies that the use of Metal Lath assures for your home?

North Western Expanded Metal Co.  
937 Old Colony Building  
CHICAGO
A Matter of Foresight

The kind of service given by heating, plumbing and sanitation systems so directly affects the prestige and earning capacity of modern office buildings that it is a matter of business foresight to obtain Crane reliability in all details of these systems.

Crane Service supplies "Anything for any pipeline;" it provides the desired quality in precisely the form needed for each use; it gives an added factor of stability to every building investment; it is nationally available through sixty-two branches and exhibit rooms in principal cities.

We are manufacturers of about 20,000 articles, including valves, pipe fittings and steam specialties, made of brass, iron, ferrosteel, cast steel and forged steel, in all sizes, for all pressures and all purposes, and are distributors of pipe, heating and plumbing materials.

Crane Drainage Fittings insure continuous flow. No pockets for lodgement of solid matter.
An Investment in Happiness

The Satisfaction of Home Ownership

"The Story of Brick"
An artistic booklet with attractive illustrations and useful information for all who intend to build. The Romance of Brick, Extravagance of Cheapness, Comparative Costs, How to Finance the Building of a Home, are a few of the subjects treated. Your copy is awaiting your request. Send today.

"The Home of Beauty"
A book of fifty designs of attractive small Face Brick houses, selected from four hundred drawings entered in a national architectural competition. The houses represent a wide variety of architectural styles, with skillful handling of interior arrangements. Sent on receipt of fifty cents in stamps.

Do you want to compete for the Face Brick and the full working drawings for one of these Home of Beauty houses? Competition open to young married women. Send for particulars. "The Home of Beauty" will be sent free to competitors.

THE HOME feeling is an asset of the highest value, for it pays richly in a sense of self-respect, of more responsible citizenship, of moral poise as a member of the community, besides giving profound personal satisfaction and enriching the spiritual values that arise out of family ties and affections.

Taken all in all, you can make no other investment that is so rich in returns, both sentimental and practical, as in having your own home. And when you build, we believe we can give you ample reasons why a Face Brick house will give you, from every point of view—structural, artistic, economic, and we might add sentimental—more real satisfaction than any other kind. The matter is fully discussed in "The Story of Brick."

American Face Brick Association
1121 Westminster Building • Chicago
March, 1921

"Home-keeping hearts are happiest"

One of the Beautiful MORGAN Colonial Stairways

JUST as the cooing doves instinctively seek a quiet nook in which to build their nest, man's natural instincts line toward a home—a place to call his own—a place where his children are free to develop in health and understanding, and now the true sentiment of "Home Sweet Home."

There are hundreds of types of beautiful cottages, bungalows and colonial dwellings that can be built by folks of moderate means, which can be made doubly charming and practical by Morgan Standardized Woodwork.

The house of Morgan—famed everywhere as makers of highest standard doors and interior woodwork, has simplified many problems that confront home builders in a wonderful book which any prospective builder may own.

Build With Assurance

In "Building With Assurance" we have compiled one of the most complete text books on home building ever published. It contains, for example, many beautifully colored plates showing different types of houses designed for people of wealth and those of moderate means. Further on you find page after page showing Morgan interiors—beautiful dining rooms, rich halls and stairways, comfortable living rooms, dainty bed rooms, cozy breakfast nooks, etc., any of which you can duplicate in your own home from Morgan Standardized Woodwork carried by dealers everywhere.


The complete book, profusely illustrated with color plates and other pictures, is excellently printed and bound. It represents months and months of patient work and an expenditure of thousands of dollars. Every man who seriously hopes to build a home should have it to study.

Prospectus FREE

Widespread, general distribution of "Building With Assurance" is out of the question. We reserve it for those who are seriously interested in building—so we have prepared a beautiful prospectus. It contains many specimen color plates and other pages, also a complete glossary of the contents and explains how you can obtain a copy of the master book. This prospectus will be mailed FREE at once to anyone who writes. Address Dept. A-3, MORGAN COMPANY MORGAN MILLWORK CO. OSHKOSH, WIS. BALTIMORE, MD. MORGAN SASH & DOOR CO. CHICAGO, ILL.

MORGAN WOODWORK

Morgan—the name that architects and builders unhesitatingly endorse. Look for the Morgan dealer in your locality.
The Ambassador Hotels System

Located in cities which most Americans visit for pleasure or business, these hotels offer true hospitality and incomparable cuisine and service. Moderate tariffs.

The Ambassador, New York
The Ambassador, Atlantic City
The Ambassador, Los Angeles
The Alexandria, Los Angeles
The Ambassador, Santa Barbara.

The Ambassador
New York’s Most Distinctive Hotel

New York’s newest hotel, at Park Avenue, Fifty-first and Fifty-second Streets, appeals to a discriminating clientele which appreciates its unusual qualities—its splendor, its cuisine and its atmosphere of refinement.

Every room has outside exposure. Spacious dining rooms, fountain garden, grill, tea rooms, and ball room for special social functions. Although away from the maelstrom of commercial activity, The Ambassador touches the theatre and shopping district.

Room with bath $6 and up. European plan.

---

3 DAHLIA BULBS
AS A GIFT

Regular price $1.00 each


All are of the exquisite peony type of flowers, with long, rolled petals, beautifully twisted and curled at the points, with short curly petals around the central disk. Beautiful flowers for the garden and keep a long time when cut.

Anybody can grow Dahlias successfully. They are as easy to grow as potatoes.

To rapidly increase the constantly growing list of members of the American Dahlia Society, the name of each of three grand Dahlias is offered to new members. The regular price is one dollar each, three dollars for the three roots.

Membership in the American Dahlia Society includes:

1. The Quarterly Bulletin, giving Dahlia culture and Dahlia notes and news of the world. Some say a single issue is worth a year’s dues.
2. A special ticket to the Society’s great Dahlia Show.

The annual dues are two dollars, with nothing more whatever to pay. If you wish three Dahlias described above, remit the amount of the annual dues, two dollars, and fifty cents extra to pay the expense, and the three dollar Dahlia will be delivered anywhere in the United States postpaid, and your name will be enrolled as a member with all data for the year fully paid.

EDWARD C. VICK, Secretary
American Dahlia Society

Stokes Iron Fence

STEWART’S IRON FENCE
STANDARD OF THE WORLD

Suitable Fence for Every Property

FOR town houses, bungalows, summer cottages, suburban homes and country estates, there is a Stewart Iron Fence that will exactly meet your requirements.

Stewart Fence designs have the artistic and substantial quality that have made them the choice of the finest estates in America.

If you desire to make your place more attractive and at the same time furnish protection to your property, write for the Stewart books of Fence designs. You will very likely find a design there that harmonizes with the architectural lines of your building, but if not, we will prepare special designs for you.

The Stewart Iron Works Company, Inc.

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Room with bath $6 and up. European plan.
Would You Have Done It This Way?

It isn't a question of whether porcelain peacocks assume aloof attitudes beside a dish of fruit on your table. But is the sort of line and colour and nice regard for value that's in this arrangement a part of the character of your house? This isn't the kind of thing that just happens.

You do it after a good deal of thought and more experience. And sometimes you just profit by other people's thought and experience. If there's a room in your house, or a corner—or perhaps just a piece of furniture—that needs a suggestion, look in the

Interior Decorating
number of
HOUSE & GARDEN
In this April issue:

Satinwood furniture for your house, and box-wood hedges for your garden are described in this number. And if roses and delphinium are your special prides you'll want to read the article on them in this issue. There's one on garden walls and shelters, too, full of suggestions.

And when it comes to garden gates, you want the kind that makes people sure, before they've lifted the latch, that they'll like the garden beyond, don't you?

That's the kind the magazine shows in half a dozen beguiling photographs. Or, if you've only so small a want as some new note-paper for your country house, you'll find it in this number, too.

And even if you're completely housed and gardened yourself, you might want a bird house, mightn't you? And there are some in this House & Garden that would catch the eye of the most bohemian martin that ever came with the spring, and no thought of settling.

You Mustn't Miss This Number of House & Garden—It's Full of Things You Want to Know and Things You Want to Do. It's on Sale March 25th.
IMPORTANT!
LONG ISLAND PROPERTY TO BE SOLD FOR THE PURPOSE OF SETTLING ESTATE

"WHITE EAGLE"
near Roslyn, Long Island
Georgian Mansion
Carrere & Hastings Architects
Interior by Charles of London
250 Acres of Land
All necessary outbuildings
Absolutely new and complete
Estates of this type are rarely offered

For complete description, terms of sale or permission to visit the property, address

ROBERT PENINGTON, ATTORNEY.
Wilmington, Delaware

PIPING ROCK SECTION
Desirable property for club estate or plot development. Old homestead 30 x 84, 25 rooms, a remodeling opportunity. Also, 30 acres picturesque woodland with charming knolls for residence sites.
O. SMITH, (owner)
Locust Valley, L. I., N. Y.

"VIDA BLICK" (The Home)
Even last detail of splendor and appointments is satisfied in this 12-acre Gentleman's Estate in Summit, N. J. Price greatly below its reproduction cost.
EUGENE JOBS-H. F. BECK CO., Lackawanna Station, Summit, N. J.

For Sale at Great Neck
We are instructed by the owner to sell one of the choicest plots in Kensington. Frontage over 100 feet, depth about 150. Original cost $7,000. Will sacrifice. Suitable for immediate improvement. For price, particulars, etc., apply
Clark, Christ & McKellar, Inc.
New York City

South Carolina
Old Colonial Home In South Carolina surrounded by extensive old fashioned gardens. Half hour from Aiken by auto on Dixie Highway. Three quarters of an hour's ride from famous golf links in Augusta, Georgia. An estate of two hundred and fifty acres belonging to this home, just two miles away, could be turned into an ideal hunting preserve. Is well stocked with birds when kept posted, and would make a perfect winter home.
Address:
Post Office Box 435
Edgefield

For Sale

E. P. HATCH, INC.
GREENWICH REAL ESTATE
GREENWICH, CONN.

Falmouth—Cape Cod—Massachusetts
A most unusual combination of
Seashore - Lake - Forest
Large and small estates for sale or to lease on
Vineyard Sound & Buzzard's Bay
Choice building sites
Chester A. Dodge — Falmouth, Mass.
IF YOU ARE BUYING A COUNTRY PLACE
LET US HELP START YOUR FARM
We will select a Manager, advise what equipment and stock to buy, what crops to plant and put your farm on a practical working basis
Send for booklet M-1

G. G. BURLINGAME National Farming Corporation
Farm Office
96 CHAMBERS ST. N. Y. N. Y.

Bernardsville—Morristown COUNTRY ESTATES and FARMS
Fred W. Jones—Shelton E. Martin
Tel. Route 7290 141 Broadway, New York, N. Y.

In the Region Made Famous by Washington Irving
Attractive Country Estate

of 16 Acres with wonderful grounds and commanding a superb view of the Hudson
Located at Tarrytown, on East Sunnyside Lane
3/4 Mile from Station.

Residence of Stone construction contains large hall, living room, billiard room, drawing room, dining room, servants' dining room, kitchen on first floor; 5 master's bedrooms, 3 baths on 2nd; 2 master's bedrooms, servants' rooms with bath on 3rd. Sleeping porch, hot water heat, electric light, fine water supply. Stable with 3 stalls; large garage with living quarters for chauffeur, including kitchen and bath. Exceptionally fine vegetable and fruit gardens. Gardener's cottage; tennis court. The property is known as Grey court.

For particulars apply O-839,

Fish & Marvin
527 Fifth Avenue, New York
Telephone: Murray Hill 6526

WHERE SHALL I LIVE?
We have some splendid lists of attractive homes and estates in the various sections of Westchester County and nearby Connecticut which we shall be glad to send you upon request.

Prince & Ripley, Inc.
Greenwich, Conn.

LADD & NICHOLS
15 East 54th Street, N. Y.
Tel.: Plaza 1125

Real Estate Agency

A Gentleman's Home
In California

WITHIN the city limits of Riverside, In Southern California, and five miles from the beach, is a house which combines all the advantages of the town, and all the attractions of the country house. It is served with modern systems of pure domestic water, high pressure fire protection, and three-wire electricity for convenience.

The property includes a ten-acre ocean view, extensive grove of orchard, and another extensive grove of orange trees. The house is a modern two-story frame with all conveniences and a large office. It is a combination of modern ideas and modern convenience. A gentleman could not desire a more complete home.

This property is offered for sale by the owner, either furnished or unfurnished.

For further particulars address L. R. Stone, Victoria Avenue and Madison Street, Riverside, California.
Wire Haired Fox Terriers

The paramount of palms—The best watch dog—ideal with children.

We have a number of lovely puppies for sale. Raising on the farm—refined to the blood of the best terriers in America.

Dog Pups, $100

Bitch Pups, $75

Write for description.

PRIDES HILL KENNELS

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The Crescent Electric Dish Washer provides the better class of homes with a convenience which does much to solve the servant problem. It also insures the owner's being served on dishes which are many times cleaner than hand washed dishes. A chart which appeared in a recent issue of Literary Digest, explains this point. Sent upon request.

This Crescent "Model M" is identical in efficiency with the larger Crescent models long in use in scores of leading hotels, restaurants and clubs.

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IN the old days when wood lath was virtually the only backing for plaster, an unfortunate home-builder was forced to grin and bear the expense and trouble of repairing cracked plaster after a few months in his new home—(or else endure unsightly, cracked walls and sagging ceilings).

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AS TO INTERIOR DECORATIONS

It is said that there are more nervous break­downs among interior decorators than in any other calling. An amazing mass of details go to make up each completed article. Assembling a decoration issue of HOUSE & GARDEN is not unlike that. There are so many possible things that ought to be spoken of or explained or exhibited that the task is bewildering. And yet, as this April number begins to take shape in the proof book, it seems that a great number of subjects have been covered in its pages.

There is that first article on the newer forms of curtains by Ruby Ross Goodnow. The last word in curtain design and fabric is explained. Or the article on satin wood, one of the more decorative forms of antique furniture. Or the story of chintz, by Aaron Davis, a well-known fabric authority, in which chintzes old and new are displayed and explained. Or the five pages of interiors, showing a great variety of rooms in both America and England, all of them the work of representative architects and decorators. Or, finally,—for we must stop somewhere,—the page of chair legs of the French periods, an invaluable guide. These are only a few of the many decorating suggestions in this issue, a few of the details that go to make up the completed number now being assembled.

For April brings other interests besides decorating. Garden, for instance. Here are two pages of garden gates, quite unusual. Beyond, is a remarkable garden. Farther on the Editor of the American Rose Annual writes of new single roses. Beyond that we come to an article on boxwood, then one on garden walls and shelters and finally an excellent little contribution on delphiniums by Frank Galsworthy, the English flower painter and brother of John, the novelist.

Of the houses that will inspire prospective builders is a beautiful little design in Wilmington, Delaware, a Georgian house from England and the group of small houses which has become a feature now of the magazine.

In addition to these,—yes, there are more things—is the discussion on collecting American pottery and the page of bird houses and the household equipment contribution on brushes and, for a last filip, the new designs in country house writing paper.

You see, it is not merely an interior decoration number.
A STUDY IN GARDEN TEXTURES

Nature is generous to the gardens of Bar Harbor. However hot the day, evening always brings a cool dew to refresh the plants and assure sturdy growth. Moisture blows in from the sea, giving life to the trees and green to the lawns. This accounts for some of the rich growth in the garden of Mrs. John S. Kennedy, a spot that affords a pleasant study in garden textures. Here is the velvet of a rich, deep lawn, here the endless play of light and shade among the phlox, delphiniums and marguerites. Above the wall Lombardy poplars sweep eloquently and the turfed alley leads gently toward the vine-roofed pergola.
OME GARDENS AT BAR HARBOR

Where the Climate and Soil of the Maine Coast Make Possible a Variety and Perfection of Flower Growth that Can Hardly Be Rivalled Elsewhere

MERVIN JAMES CURL

The thing that kept Diocletian down was his lack of travel. Could he have sailed around the matchless rock headlands of Mount Desert, Maine, and landed strolled through Bar Harbor, his cabbages would have suffered, but how the man would have gained! For it is not possible to be devoted exclusively to cabbages when you can through your garden in the cool of the evening and observe your foxgloves rising six and more high, your larkspurs attaining eight and even nine feet. Unfortunately for the emperor, no regular line of steamships was running to Mount Desert in his time; but for such gardens as Bar Harbor can show, well might he have abdicated a throne.

Among the well known gardens are those of Herbert L. Satterlee, Murray Young, and Mrs. John S. Kennedy of New York City; Mrs. Edgar Scott, Mrs. John Markoe, and Miss Coles of Philadelphia; Mrs. Farrand of New Haven; Mrs. J. T. Bowen of Chicago, and Mrs. George Vanderbilt of New York City. Of these the senior Olmsted designed the Vanderbilt gardens; Mr. James L. Greenleaf, the Blair garden; Mrs. Farrand, her own and those of Mr. Satterlee, Mr. Young and Mrs. Scott; Mr. Herbert Jaques and Mr. Joseph Curtis, the Bowen garden.

Well might the finest designers spend their efforts here, because floriculturists declare that the climate of Mount Desert is the finest along our eastern coast for the growing of flowers.

The Bar Harbor region is a land of wooded hills and blue water, of far-reaching views and the romantic wildness of a North that strongly suggests the Scottish coast. Informality is the keynote everywhere. From here, on the summit of the Beehive, one looks down upon the Satterlee estate with its gardens and bungalows hidden away among the trees. Great Head lies beyond...
Whatever the reasonable demand of the gardener may be, here is his satisfaction. If he ask for health and vigor of growth, for brilliance of color, for a reasonably long season and a large variety, here he will find what he asks for. And if he should request a romantic setting, a garden that is a very part of the sun and the air and the soil of this romantic northern island, he will find no denial.

There is a reason for this perfection of gardens. Where wild flowers grow in profusion and strength, there will a well-watched garden thrive. Mount Desert is the very home of wild flowers. Professor M. L. Fernald, of Harvard University, wrote after twenty-five years of investigation, "This extraordinary accumulation within one small area of the typical plants of the arctic realm, of the Canadian zone, and in many cases of the southern coastal plain, cannot be duplicated at any point known to the writer."

These wild plants of various latitudes, which find their home on Mount Desert, are always sure of cool nights. However hot the day may have been, after the sun sets the cool air sweeps in from the sea over the island, the dew is heavy, and the plants are refreshed. So they are never weak or puny. Plentiful moisture comes in again by day from the sea. The heavily wooded reaches of spruce, pine and hemlock aid by retaining much moisture in the soil. When cultivated, the wild flowers attain much greater size, like the Solomon's seal of the Farrand...
garden, which is as attractive as if imported from distant lands. To this felicitous climate is added a kindly soil of powdered granite, shale and slate with plentiful humus from the falling leaves of succeeding autumns.

And the result: note the meadow rue in the Farrand garden, which rises a good two feet above the gardener's head; note the bluebells reaching almost to his shoulder, considerably over four feet; note in the Kennedy garden the larkspurs along the wall, about nine feet high. Everywhere a growth that would be rare in other gardens is in these the normal thing. Not only size, which is a good but not exclusive virtue; the number of flowers to each plant is here much larger than usual. The great pools of bloom in the Scott garden are not the result of many and large plants only, but also of the vigor of the individual plant. A noted gardener has remarked that in Bar Harbor plants thrive, whereas as often in more southern gardens they merely grow. Surely he is right.

But even the most brilliant, most sumptuous blooms fail of their full effect when set in the midst of a naked waste. A background, a frame, a setting must be had, else something is lost. Mount Desert gardens always have this setting. The red spruce, which here reaches well toward its southern seaside limit, rears its almost black branches in great profusion. Against such a black-green rampart wall veiling the romance of the garden, the

(Continued on page 70)
The Long Island type of Colonial farmhouse is low and long and comfortable to live in. And it has an admirable habit of fitting the site. Here it is executed in white shingles, green roof and chimneys painted white.

A broad drive approaches the front of the house. The entrance is accented by a portico. At each end are living rooms with light from both sides, and with sleeping porches above. The garden is laid out in the rear.
Its proportions and simplicity in its wall finish and furnishing make the dining room a dignified place. The paneled walls are painted in neutral tones with white trim. An antique carved wood mantel is surmounted by a marble bas-relief. The furniture is antique and of the simplest character. The screen of old prints and the pedestal add interest.

From the living room one can look through a massive architectural door to the upper level of the drawing room. Here the walls are paneled in gum wood, which is a tobacco brown. Against this background are spots of color given by the bookbindings, paintings, bibelots and upholstered chairs. The room has a dignity that is compatible with comfort.

THE HOME OF
MEREDITH HARE
HUNTINGTON, L. I.

CHARLES A. PLATT, Architect
THE SPRING AND FALL OF MAN

Is Gardening a Mild Form of Insanity?
Could a Constitutional Amendment Put an End to this Annual Corruption of Mankind?

It is recorded that man was first tempted in a garden, and to this day the temptations of the garden are the most alluring that can be presented to him. Once he eats of the fruit of the tree that grows in that garden, his innocence is gone. Thereafter he is eternally conniving, figuring, laboring, indulging himself. He takes up with queer companions. He spends his money like a profligate. He even speaks a strange tongue. Would that a new Milton might arise to write this Spring and Fall of Man!

The first evidence of the temptation comes about the beginning of February. It is accompanied by seedsmen's catalogs and price lists of pots, watering cans and manures. If these can be kept out of his hands, there is a fair chance of his resistance functioning. Once he has opened them, however, there is little hope that it will.

A man on our street has this catalog complex. A nice fellow; trades in leather. He isn't precisely what you would call a bookish person, although he has a library. Two whole shelves are given over to seed catalogs—and you know what a messy appearance catalogs make. His wife pleads with him to keep them out in the garage, but he is adamant. If you ask him why his catalog isn't enough, he assumes a learned air and says you. "Now Dreyer lists only five varieties of aquilegia—that's columbine—but Sutton shows twelve! Or take calceolaria—three varieties in Dreyer, sixteen in Perry! Think what I would miss."

Or delphiniums. "In Henderson only four. Imagine it! Turn to Wells of Merstham, and what do you find? Fifty-five, my boy, fifty-five!"

"Are you going to grow all fifty-five in your garden?" you meekly ask.

"Well, ah..." And he dodges the question by leading off into a rhapsody on the flowers that Peterson carries. Venusburg is tame compared with this catalog temptation. Cards and drink and roistering and vermilion Sundays are as child's play. There is no devastation like the complete corruption of a man under the spell of gardening catalogs.

A man of my acquaintance (he has since gone into the Church) once paid $48 for a single narcissus bulb. When it came to choosing between a new hat for his wife and a new dahlia for himself, he got the dahlia. Even when he was in debt that man would blithely hand over practically his last cent for some miserable packet of seeds that were more choice than those I could afford.

It was strange, too, about his vocabulary—"asparagus" was its terminus to the east and in the west he would not go beyond with it; he knew nothing farther south than abromia, nothing farther north than zinnia. I used to respect his judgment, but my regard I began to wane when I told me that he was going to give up an entire acre of his country place to raising those seeds, that he would make it blossom like Paradise!

He opened them boldly in front of her. Seventy packets of various aster seeds, fourteen of gaillardia, eight of marigold, six of Baby Breath, twenty of poppies, and a lot of other things. That's what he had been doing in the daytime in France. No wonder he wanted to hide his head under the coverlets before ten!

I asked him what in thunder he was going to do with all those seeds. You wouldn't believe it, but he talked precisely like some poor half-wit in an asylum who thinks he is endowed with omnipotence. He solemnly told me that he was going to give up an entire acre of his country place to raising those seeds, that he would make it blossom like Paradise!

This is a desperate case, but even in this stage there is hope for the man's recovery. He may overwork and become satiated and in his satiety revolt against the autocracy of gardening. My friend perhaps never will; he has the constitution of an ox.

The third temptation is to speak a strange language. His native tongue no longer suffices; he needs must converse in Latin. Does he talk about marigolds? No, he calls them calendulas. The good old name of candytuft, which satisfied generations, he dubs iberis! Come on him unawares, and you'll hear him murmuring sensuously, the way a small boy rolls a sour ball around in his mouth, such succulent words as "salpiglossis", "scabiosa", "sphenogyne". In his exalted moments he will show what a great man he is by pronouncing "sisyrinchium", "hemerocallis", "portenschlogiana", "esccholtzia", an "mesembryanthemum".

When he has reached the Latin stage, his family and friends may as well give him up. He no longer cares for fine clothes or whist or social progress or making lots of money or becoming a power in the land, to which normal people devote themselves; from that time on he earns his bread by the sweat of his brow—and be proud of it! He no longer cares for books, he'll read the sale of seeds, he'll grow them at home. If we lock him up, he'll count his capital in potatoes. He'll rejoice in rotted manures and blabber about mulch. His dream will be delphiniums towering behind madonna lilies and three heights of snapdragons flinging in the sun. His ideal will be the columbine that always comes true, and his Paradise the garden where there is no winter.

Mad, utterly mad!

He makes a sorry figure. His hands are always dusty and his trousers bagged at the knees. He writes letters to people in distant parts, long communications about geums and how to treat them, at what to do for aster beetles and why you can't keep phlox from losing color.

He is easily flattered, too. Tell him that his iris pumila are the smallest you've ever seen, he'll swell with pride and talk miles over your head on iris. Mention rock plants to him and he'll talk alpine till you cry for help. Of discussing nympheas he has no end. The last state of that man is far worse than the first. He has become even more terrible than ruined, he has become a bore.

This is a very serious condition, this spring and fall of man.

It is an annual insidious devastation of the manhood and womanhood of America. How can it be stopped? How can the temptation be removed?

If we reformers vote a new amendment to the Constitution forbidding the sale of seeds, he'll grow them at home. If we lock him up, he'll raise a flower in the crack of his prison walk.

Frankly, there is no solution for this terrible indulgence. We have to bow before the reality of the fact. These men are tempted more than they are able. And if, as the cynic says, the only way to get rid of a temptation is to yield to it, then the only way for normal people to handle these floral drunkards is to become garden slaves themselves.

Strange, my brothers, but there's no getting out of that Eden once you've passed inside its gate.
WHEN YOU THINK OF A HOUSE IN THE COUNTRY

When you think of a house in the country you think of just such things as are pictured here—long windows letting onto a garden, a bedroom with a balcony, the shade of trees, and roses clambering up a trellis. Well, this balcony does happen to be off the master's bedroom; and the garden scents are wafted indoors through shady Venetian blinds. And one can step from the living room onto the turf path. It is the home of Meredith Hare at Huntington, L. I. Charles A. Platt, architect.
THE OLD SILVER OF ERIN

In the Times of Her Peace Ireland Produced Famous Silversmiths Whose Wares Collectors Seek Today

GARDNER TEALL

I

N the perennially refreshing "Last Essays of Elia", Charles Lamb brings to mind the joys of sacrifice on the part of a collector of the interesting things of days gone by. There you will find Cousin Bridget saying, "Do you remember the brown suit which you made to hang upon you, till all your friends cried shame upon you, it grew so threadbare—and all because of that folio Beaumont and Fletcher, which you dragged home late at night from Baricer's in Covent-garden? Do you remember how we eyed it for weeks before we could make up our minds to the purchase, and had not come to a determination till it was near ten o'clock of the Saturday night, when you set off from Islington, fearing you should be too late—and when the old bookseller with some grumbling opened his shop, and by the twinkling taper (for he was setting bedwards) lighted out the relic from his dusty treasures—and when you lugged it home, wishing it were twice as cumbersome—and when you presented it to me—and when we were exploring the perfectness of it ('collating', you called it)—and while I was repairing some of the loose leaves with paste, which your impatience would not suffer to be left till daybreak—was there no pleasure in being a poor man? or can those black clothes which you wear now, and are careful to keep brushed, since we have become rich and finical, give you half the honest variety, with which you flaunted it about in the overworn suit—your old corbeau—for four weeks longer than you should have done to pacify your conscience for the mighty sum of fifteen—or sixteen shillings was it?—a great affair we thought it then—which you lavished on the old folio. Now you can afford to buy any book that pleases you, but I do not see that you ever bring me home any nice purchases now. When you came home we twenty apologies for laying out a less number of shillings upon that print after Lionard, which we christened the 'Lady Blanch'; when you looked at the purchase, and thought of the money, and looked again at the picture—was there no pleasure in being a poor man? Now, you have nothing to do but to walk into Colnagb and to buy a wilderness of Lionard. Yet do you?"

Would, dear reader, that I could but set the hope of obtaining any bit of old Irish silver antedating the eighteenth century, at even the sacrifice which Cousin Betty and her cousin were called upon by their acquisition of workmanship sometimes took elaborate forms, as in this epergne or branched decoration for the center of a table. It dates from the 18th Century and shows remarkable beauty of workmanship.

Candlesticks are not an unusual form to find in the work of the Irish silversmiths two centuries ago. As in the case of most silverware, the history is read through the marks. Ireland had her own silversmiths' guild and its work bears individual markings. The marks on these trays and creamer place them as being made in the 18th Century.
Potato rings are round circles of silver, not unlike enlarged napkin rings except that the base is slightly larger than the top. The potato bowl was set in them. They gave an excellent opportunity for the silversmith's skill.

The first is a coffee spoon showing unusual decorations on handle and bowl; the second is a sugar spoon. Both from the 18th Century.

Tankards are not an unusual form to find in Irish silver. Lion feet give this cream pitcher its unusual aspect.

In this group are found some of the more ambitious pieces of Irish silver, all of it from the rare 18th Century. Here is an epergne, a bread basket, a punch bowl, two standing cups with covers and a salver. Illustrations by courtesy of the Metropolitan Museum of Art.
HOW TO MAKE LIVABLE ROOMS OF GREEN

By Choosing the Right Shades and Combining With Them Harmonious Colors
Something of Nature's Softness is Produced

ETHEL DAVIS SEAL

Here is something about nearly every green room that is hard and depressing, and something, too, that we decorators might call "Thin". There is no subtlety of atmosphere between you and the green chairs and sofas; the green walls are unchanged in their bleak harshness of tone as the day waxes and wanes; the green rug is as unimaginative as a frozen field, camouflaged with the lushness of June; and the best that can be said for the average green room is that it duplicates the fixed and fading green smile of late midsummer, with, however, none of the allure of spring.

What you should strive after in your green room is this same charm, this lightness, airiness and grace of spring. In this most delightful sea-

Oyster white walls, a mauve floor, a green, black and lavender hooked rug; lavender furniture trimmed with black and jade; bedspread of jade green taffeta quilted in mauve; cretonne drapes of green, mauve and rose. Thus the bedroom has been done

In this living room a dark leaf green has been used on the floor with an oval braided rug in gray, green and black. The tallboy, settee and table are two tones of green—the green of a blue leaf, soft and tinged with a delicate silvery gray

son there is no harshness of color, no cumbersome masses, no sordid luxuriance: the miracle of an emerald field is thrown into strange relief by the surrounding drabness of tone; the pale green leaves hover over the trees like a perfume; the dead vines of winter clinging to the sides of the houses quiver with a faint aura of green creeps the wake of the sun; green shutters loom into prominence as decorative notes that blend with the vines, fields and the trees; shy flowers spring out of the turf, blossoming in the woods close to the trunks of trees, pushing blue and pink faces through the dead brown leaves of winter. And over all, sky, blue, gold, rose, or gray,

(Continued on page 72)
O the eye of a gardener, snow is no winding sheet, none of the covering of death; it is the warm wrapping mantle beauty asleep. Beneath the whiteness lie less radiances of color, wonders untold in plant, tree. How can those who do garden, who have no part nor lot in the fraternity, who watch the changing year, how can they keep warm their hearts in winter? They as those who have no

And then the first signs of spring, those days in mid-January when daylight lasts an hour longer than in December; that blue of the January sky which hints intangibly of bluer skies to come; the warmer sun. On such days I venture forth into a snow-covered garden, look carefully over shrubs and trees here and there, scrape the bark of a rose or thorn, hoping to find beneath that faithful strip of green, the proof of life and strength.

So walking, I come to a spot which, almost hidden by snow, is a source of warm delight; and it is only the mind that makes it so, the memory and the imagination.

On a hot August day of last year, I suddenly realized that a pair of Cox's Orange Pippin trees flanking the entrance of the main garden to the grassy slopes of the orchard were really grown. They cast full-grown shadows. At once chairs were brought, and a garden tea table, and the true enjoyment of those trees began. Two garden Ilenches then were set along the edges of the gravel walk, just within the garden, and also beneath the pippin's shade. The popularity of this sitting place was at once established. Where the two chairs stood just outside the garden, they were backed by tall lilacs, by Spirea arguta and by a few deutzias, well grown.

But now the frequent occupation of those chairs began to leave its mark upon the grass, worn spots appear (Continued on page 62)
The trellis is used either to enclose a garden, or to separate the various parts so that each can serve its own purpose. On this estate the problem was to plot the drives and planting so that the service end of the house, which is at a lower level, could be easily reached. Consequently, a forecourt was created.

The picture above shows the southeast corner of the forecourt in which are planted rhododendrons, azaleas, ferns, heather and other shrubs especially those with heavy foliage. The rear of the south side of the lattice, shown to the right, fences the service road. It supports Dorothy Perkins roses, clematis paniculata, Lonicera japonica and Celastrus scandens. The charm of both these views is due, of course, to the design of the lattice itself. A variety of motifs has been used, giving a background that does not grow monotonous.
To the left is the forecourt; to the right, the service road. The photograph shows how completely the service road has been screened. From this view can also be appreciated the value of the white painted lattice against the background of the trees.

The plan shows the nice economy of space which has been effected by plotting unusual drives and paths so that both the house and service entrances are reached in the easiest possible way, while the front entrance is given the enclosed garden that it requires.

A direct route from the front drive to the service is gained by a path that leads through an arched gate. As the house stands on the brow of a hill, at this point the land drops about 6' from the level of the forecourt. The garden view is to the north of the house. This glimpse of lattice and gate is quite one of the most charming on the place. The planting is set out in pleasant relationship to it.
The Quality of Candle Light
Since No Other Form of Light Possesses Its Peculiar Character the Candle Will Always Find a Place in the Decorative Scheme of the House

Leonard Chittenden

So many generations of good, honest service, of poetry and romance lie behind it that we are apt to take the candle as a matter of course, and taking it that way we are apt to overlook the important role it can play in the modern house. Yet candles persist, despite our vast improvements in lighting systems; they are being used more and more. The reason for this lies in the romance that surrounds the candle, in the nature of the candle form and in the peculiar quality of its light.

No imitation electric or gas fixture can ever approximate the candle sufficiently to deceive one; in fact, the average imitation candle is such a poor imitation that it had better not be used. The shape may deceive for a moment, but the light never does. Both of them are constant and unchanging. Part of the candle's charm lies in the fact that it isn't permanent, that it is gradually consumed, that its wax runs down the shaft in grotesque stalactites.

Candle light is a yellow light and it is soft. It is not a constant power, and that accounts for much of its interest and beauty. Its glow increases in a pleasant, gradual crescendo, fares lustily for a moment and dies off as the wax floods up the dam of the candle rim. Dimmer and dimmer grows the light until the wick seems almost engulfed and the flame strained upward as if being suffocated. Then the dam breaks. The hot wax spills merrily down the shaft—and the flame springs into life again.

Something very human in this—like constant endeavor, like the changeable interests of a woman. It is not a steady current, but a pulsation of light; it has a beginning, a climax and an end; a zenith and a nadir. Its softness is the softness of a caress; candlelight does not hurt the eye. Its full flame is at once consuming and consumed. The cycle of its glow is rounded, complete and satisfying. No other light possesses these qualities.

Others are doubtless more efficient, less trouble to care for, safer—but! But complete efficiency lacks romance; many of the beautiful things in the home are manifestly a bother, and we have pushed the Safety First campaign too far.

Candles have a distinct role in the lighting system of the modern home and definite provision should be made for them. Unless one wishes to reproduce an archaic interior there is no reason to do all the lighting by candles; in fact, this is inadvisable. It is best to consider candles simply as decorative adjuncts to an installed lighting system, to be used on occasions of festivity or when unusual spots of naked flame are desired in a room.

The first room in which they naturally find a place is the dining room. Custom today calls for wall fixtures to afford the general light and candles on the dining and service tables. The old-style dome that flooded the dining table has gone out of good usage, and it is well that it has. Sitting at a meal under its glare was like eating in a spotlight. Now dinner should be a pleasant ritual and the persons concerned should appear at their best. The gourmet might have relished a flood of light to eat by, but he did not make a pleasant picture. The fairest woman in the world prefers a soft light on such occasions, and she is wise in her preference. Not alone people, but objects—napery, silver and crystal—blend more harmoniously in a kindly glow. Consequently the dome has been relegated to the undesirable; its place is taken by candles.

The use of shades on the dining table can be a pleasing arrangement. Covered, they give a pleasant, colorful glow, but there is much to be said in favor of the naked flame. An electric light hidden in an imitation candle shaft would serve about the same purpose if a shade is used. They are suitable for a restaurant when the refinements of service are not exacting, but in a home one can scarcely conceive of their being adopted for table use. The naked flame of a candle is its point of interest; why then hide it under a shade?

One general criticism can be leveled at most of the candles found on dining tables—they are too low, they remind one of houdour lights. They can be seen in dozens of houses—dinky little silver candlesticks, one at each corner of the table, with the top coming at about the eye level of the guests. When you speak across the table you have to talk through flame. It is far better to have the lights clustered in a more pretentious candelabra that will hold the flame up above the heads of diners. This type of candelabra also gives the table an air of great festivity. Visualize such a table set for say, six. It is long enough to support two candelabra for six or seven candles each, set toward the ends of the table. An interesting center piece of Italian majolica or Wedgwood stands in the middle between.

While twisted candles are preferred to the colored variety, although Christmas time one might follow the excellent Polish custom of using candles, which give an added festivity. We prefer the twisted variety because plain candles are too reminiscent of religious ceremonies, and there is nothing the hostess does not want to do is to make her dinner table look like a high altar.

The living room presents a wider opportunity for the use of candles. There is usually a mantel shelf on which candlesticks can be placed or even a branched light. In rooms which tend to be Jacobean or Italian one may use floor candelabra of wrought iron in which many candles can be lighted. Certainly in this room a flame should not be covered. When groups are being burned, there is no need for a great deal of general light. The candle should never be obliged to compete with a multitude of electric bulbs; in fact, these dont mingle any too pleasantly.

Candlesticks and candelabra for the living room can take such a variety of shapes that one must exercise care in the choice of one for them. A candelabrum without a candle is a contradiction in terms. We must have candles, and we should have them suit their surroundings exactly. A great pair of Italian altar candles are standing on the mantel shelf, for example, but require the thick, sturdy type of candle use for them. A Candelabrum can be purchased in the shops anywhere.

Cautious housewives might be inclined to place candles in a bedroom, and yet there is no light in the world more pleasant to oneself to sleep by. But if caution demands that the candle be a night light, then at least give the candle to light us to bed.

Come up the stairs of a country house and find a row of candles on a table on the landing. They look so simple, so kindly, so giving you a pleasant rest. You light them and wander off to your room. They make you feel that life is a little less complex, that you remember of the many women who, if we can believe history, living a simpler matter than we do.
Good architecture always takes into account the existing features of the site, and if these features happen to be noble trees, then half the beauty of the finished picture is already accomplished. At times it is even advisable to change the plans of a house altogether rather than destroy the trees.

The house illustrating this point is a dignified interpretation of Southern Colonial, a type that requires the immediate presence of large trees and the approach of broad lawns. It is the residence of Dr. Harold Springer, at Centerville, near Wilmington, Delaware. Brown & Whitesides, architects.
FOUNDATION planting, at first thought, seems a simple problem, and of course it really would be if we accepted what we see extensively in different residential sections of our cities. It is a simple problem to the landscape architect, but to the householder it becomes difficult if he attempts its solution in the right way. It is easy enough for the amateur gardener to turn over a few pages of past gardening methods and duplicate on his own place some such arrangement of plants as a stiff row of cannas or a few dozen gaudy salvias. But it is a different matter to plan and plant the base of the house according to certain definite principles which will produce the desired effect.

Annuals of all kinds rightly belong to a garden which should be enclosed on at least three sides. More than this, they are impractical and expensive when used about the house. A type of plant should be selected which will give some effect during the bleak months of winter as well as in the growing season. The best reason, however, for not using them is that they are considered to be in poor taste in landscape art, except where they are combined in masses in regular garden beds or scattered in natural clumps among the shrubs in a large natural border.

The best materials we have for use in the foundation planting are the hardy flowering shrubs. There are many beautiful varieties to select from, and besides, they offer the permanency so much desired against the house. Excellent effects will result from their proper use. Generally, as we find foundation planting,

it presents a certain monotony which is to some, especially when the same uninteresting effect is repeated for blocks at a stretch. This monotony is the result of using one or kinds of shrubs in a hedge effect immediately adjacent to the foundation. The only exception is a regular band of green about the house.

One writer referred to this method of planting as the “feather boa style”. Frequently it consists of a hedgerow of Spirea van Houttei facing with another hedgerow of Japanese barberry. Yet when used in the right way, there are better all-around shrubs than these two.

Foundation planting, it seems to me, is essential to the completed house and should be done as soon as the building is finished. A new home with an effective planting on the outside is almost as important as the interior without the fixtures on the walls or the curtains. Neither is absolutely necessary for physical comfort, but all are needed a photograph of the actual planting indicated on the plan shows the effectiveness of variations in height as well as ground space. Some sorts of shrubs are used...
The great aim of foundation planting is to tie the house to its site. Without shrubs the house would look bare and uninviting.

Complete mental enjoyment.

Just a word now about the principles used in this or any style of good landscape planting. In the first place, simplicity is most important in the solution of the foundation problem. The reason is that so many places are spoiled because of a desire to have every kind of plant advertised. This results in a botanical collection rather than a hand garden. There must be variety and harmony in the planting. Varieties should be selected which blend easily together to form the natural mass effect. Attention should be given the form of the planting, or the contour of the shrubs. Variety in this respect is obtained by setting taller growing varieties at the corners of the house and on either side of the entrance. The other spaces may then be filled in with somewhat lower growing sorts with the taller or accent shrubs faced with low plants like the Japanese barberry, snowberry, Indian currant, or dwarf spireas and azalias.

In planting, seasonal effects should be kept in mind. Shrubs should be so selected that the natural beauty will be year-round. There should be good flower value in the spring and fall and summer attractive summer foliage, brilliant autumn leaves, colored fruits and barks for fall and winter. There are only about a dozen varieties of shrubs ordinarily used in foundation planting which are refined enough in texture. There are many other good kinds, but most of them are better for border or other types of planting. The twelve varieties are appended at the end of this article.

The shrubs should be planted in thoroughly prepared and fertilized beds of pleasing outline, long, smooth curves being the best. The plans indicate this idea clearly. The distance apart to plant varies with the different shrubs. The spaced beds should be kept cultivated during the growing season until the mass occupies the entire area.

Autumn is the generally recognized season for deciduous shrub planting, for the reason that bushes set then can become thoroughly established before any demands upon them are made by the season of natural active growth.

There is no reason, however, why spring planting cannot be successfully carried out if certain rules are followed. The shrubs should be set as early in the spring as the ground can be worked. In the interval between their arrival from the nurseryman and actual planting their roots should not be exposed to sun or drying winds which would injure if not really kill the smaller feeders. If they cannot be regularly planted for several days after receipt it is a good plan to "heel them in"—lay them on their sides along the edge of a shallow trench and cover their roots with earth.

**Tall Shrubs**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Distance Apart</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Kerria</td>
<td>3½'</td>
</tr>
<tr>
<td>Aralia pentaphylla</td>
<td>3'</td>
</tr>
<tr>
<td>Spiraea van Houttei</td>
<td>3½'</td>
</tr>
<tr>
<td>Regel's Privet</td>
<td>3'</td>
</tr>
<tr>
<td>English Privet</td>
<td>3'</td>
</tr>
<tr>
<td>Persian Lilac</td>
<td>4'—5'</td>
</tr>
</tbody>
</table>

**Low Shrubs**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Distance Apart</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japanese Barberry</td>
<td>2'—2½'</td>
</tr>
<tr>
<td>Snowberry</td>
<td>2'</td>
</tr>
<tr>
<td>Indian currant</td>
<td>2'</td>
</tr>
<tr>
<td>Spiraea Anthony Waterer</td>
<td>2'</td>
</tr>
<tr>
<td>Deutzia gracilis</td>
<td>2'</td>
</tr>
<tr>
<td>Spiraea callosa alba</td>
<td>2'</td>
</tr>
<tr>
<td>Stephanandra flexuosa</td>
<td>2'</td>
</tr>
</tbody>
</table>
I

N America today, unless the gardener are of the intimate form and size in which many of our colonial ancestors and later such enthusiasts as Celia Thaxter joyed to labor, the ubiquitous pest of which not even a quarantine ruling of the Federal Board of Horticulture can rid our Edens is the labor problem. Gardens may have to be simplified, if they are too large for the sole care of the owner, because a wealth of literature and visits to perfected old-world gardens have stimulated taste beyond the physical power to apply it. How can we escape the wilderness unless more skilled gardeners come to the rescue?

Whatever the nationality of workers at present listed on the family tree as gardeners, they may apparently be anyone shouldering a shovel as a symbol. The dictionary justifies this classification, for it defines "to garden" as not only "to lay out, to prepare, to cultivate land for the purpose of producing food" but also "to cultivate the land as a garden, to practice horticulture," but "to labor in a garden." So "gardener" is interpreted in various human forms.

W

e have found that a gardener may be an untrained day laborer who ignorantly follows or fails to follow directions as he pleases, possibly weeding out even rose bushes without prick of thorn or conscience and hoeing up the precious self-sown seeds. He may be a sporadic worker—perhaps a Norwegian sail­ing-master, driven to shore tasks by the sink­ling of so many of his country's ships during the war, and who climbs down from a painter's ladder patiently to extract miniature bulbs from the sod where they have become naturalized.

Or there is the odd-job man who with a little general knowledge and experience contracts to care for a place by the season, but who takes no special interest in any particular one, as his attention is distracted by the claims of other places.

Then we have the resident handy man who serves as bathing master in the summer and caretaker in the winter, working in the gar­dening incompletely—for when some flowers are missed from the beds, they are found lying indoors in their original packets. Again, an ex-blacksmith of Herculean stature, deprived of equine customers, essays kitchen-gardening, growing fruits and vegetables to scale with his own bulk and admitting that he can, where flowers are in question, only distinguish a cabbage from a rose. Finally, there is the chauffeur gardener, who is likely to be called at any moment from the intricacies of mech­anics to those of horticulture. Fortune are the flowers if he is country-bred, and to be pitied if he has been raised in the city.

I

N some places the old family gardener still exists, perhaps too illiterate to read or prop­erly pronounce the names of the flowers with which he works such wonders, and skeptical of everything in print, declaring that you can put anything in books but not in gardens—if he can help it! He respects only bought or home-grown plants, ruthlessly destroying, no matter how beautiful they are, all native ve­getation which he calls wild, saying self-right­eously that he is "a poor hand to save weeds.".

Seldom visiting flower shows to absorb new ideas, he sees no necessity for replacing old plants and shrubs with improved new varieties. He has never heard of color schemes, yet by familiarity with local soil, climate and the family taste he is enabled to produce satisfac­tory results of a certain kind, and he is so devoted to his flowers that he will spend portions of even Sundays transplanting tiny seed­lings with his pen-knife. Surely such a man can say "I count not hours by dollars, but with flowers". To this class of gardeners we owe a lasting debt of appreciation for faithful service to the best of their ability. They toiled early and late, in heat and cold, rejoicing in the pleasure of the family as much as in the beloved flowers.

The garden consultants, often highly edu­cated women who assist in ordering and ad­vising as well as in the manual work of plant­ing, are a new type of gardener. And then, our large estates are especially indebted to the scientifically trained private gardeners who have come from Denmark, Germany, England, Scotland, etc., where a clear vision is to become a reality and a demand is expected to serve years of apprenticeship before assuming the larger responsibilities. In the United States one of the well-known seed houses said that scarcely any young man applying for a position wishes to go as an assistant; every one wishes to be a head gardener, with high wages.

W

HY are intelligent, trained private gar­deners so scarce? Mr. William N. Craig, President of the National Association of Gardeners, offers several answers. First, that the war has depleted the ranks of gar­deners, as of other professions. Second, that salaries for superintendents have not risen pro­portionately to pay for less skilled workers, and many expert men have gone into more lucrative occupations. Third, it is increasingly difficult to recruit the ranks of gardeners from American boys who are unwilling to give so many years to preparing themselves profes­sionally. Nurserymen and market gardeners are not considered at the moment.

Evidently, if high standards of gardening are to be maintained, more of our young people must be interested in scientifically training themselves as horticulturists and as managers of large and small estates. Nature study classes and school gardens are awakening spe­cial powers of observation and emphasizing the practical value of patience and diligent perseverence. As the minds of the boys and girls expand, let us further open their eyes to the joyous possibilities of self-expression, both indoor and outdoor life, before youth is stifled in the commercial confines of the city where, as the ever-increasing roar of industry, the influence of the country is heard too late. Public and private enterprise must combine to train searchlights on the path to be chosen, to reveal the mysteries of science and art to both the sporadic worker—perhaps a Nonvegian sail­ing-master, driven to shore tasks by the sink­ling of so many of his country's ships during the war, and who climbs down from a painter's ladder patiently to extract miniature bulbs from the sod where they have become naturalized.

Or there is the odd-job man who with a little general knowledge and experience contracts to care for a place by the season, but who takes no special interest in any particular one, as his attention is distracted by the claims of other places.

Then we have the resident handy man who serves as bathing master in the summer and caretaker in the winter, working in the gar­dening incompletely—for when some flowers are missed from the beds, they are found lying indoors in their original packets. Again, an ex-blacksmith of Herculean stature, deprived of equine customers, essays kitchen-gardening, growing fruits and vegetables to scale with his own bulk and admitting that he can, where flowers are in question, only distinguish a cabbage from a rose. Finally, there is the chauffeur gardener, who is likely to be called at any moment from the intricacies of mech­anics to those of horticulture. Fortune are the flowers if he is country-bred, and to be pitied if he has been raised in the city.

In this country, in addition to the plentiful opportunities offered by colleges and botanic gardens, the garden clubs are not only cata­verting thousands of their members in planting of public and private grounds, but also young women coming to such elaborate homes that the multiplicity of gardeners and domestics prevents the full­ness of estates from learning gardening and household management.

Another opportunity for training is of­fered by Mrs. Samuel T. Bodine of Villa Nova, whose extensive e.state and eminent super­intendent-gardener, Mr. Alexander M. Crane, its extensive e.state and eminent super­intendent-gardener, Mr. Alexander M. Crane, has been so success­ful in getting young women to carry out his wishes, he has formed an exceptional combination. Young girls are received here for practical instruction, are partially paid while learning, and have model housing accommodations.

C. T. Crane's estate, at Ipswich, Mass., also employed young women under the super­intendent-gardener, Mr. Cameron. An­other conference at the Massachusetts Co­ordinate Conference of Agriculture is said to mark a new epoch.

(Continued on page 62)
Linen-fold paneling was the graceful product of a dignified era in furniture creation and its use in this library helps to create the dignified atmosphere the room deserves. It is surmounted by old red damask. The table is Elizabethan.

Leaded windows set in stone frames form one side of this Gothic dining room. Another is paneled in a number of motifs characteristic of that age. Jacobean chairs are used here with an Elizabethan table. The ceiling is of molded plaster.
France of the 18th Century had an elegance which, expressed in furniture, can readily be adapted to the town or country house of today. We find that spirit crystallized in this living room. The walls are paneled and painted yellow. The furniture is of the epoch, some pieces being pronouncedly Directoire.

Another view of this living room shows the gold tapestry hangings, the Toile de Jouy screen and the cabinet painted in dull green. The mantel is Italian. Of the old painted day bed, which is gray and gold, a satin cover of stripes gray and green. Burke Bisbee, Robertson, Inc., decorators.
In another living room by the same decorators is found the spirit of 18th Century Italy. The walls are pale green. The sofa, in wine colored velvet, has for background a Renaissance tapestry. The lighting fixtures are modern Italian iron. Tan linen hangings are embroidered with crested work.

The Directoire atmosphere is created in this bedroom, where yellow walls form a ground for the Directoire bed in gray and gold, canopied and covered with gold tafta of purple and blue stripe. Toile de Jouy hangings of yellow and lavender are edged with gold. Fakes, Bisbee, Robertson, Inc., decorators.
EXPERIENCES WITH DAHLIA

Josiah T. Marean

During many years of gardening one of the first things that I have learned is that it pays to confine oneself to the really superior things. When one considers the time and expense given to growing plants and flowers, the initial cost for the procuring of the material pales into insignificance and therefore plays no important rôle whatsoever. It has therefore been my principle to purchase for my private gardens always the choicest that money can buy, rather contenting myself with fewer flowers, if necessary, so long as they be superior. This principle I followed some fifteen years ago when I became interested in dahlias of the better sorts as then available. Soon the growing of these plants became a great hobby with me and I began to realize what a source of pleasure and excitement it would be to create a new strain, finer than any existing, through careful selection, segregation and patience.

Indispensable Flowers

After amusing myself for a few years with my dahlias, they became a great fascination, and, particularly at the autumn of my life, I have become enamored of these beautiful flowers, which, in my opinion, are indispensable and which make the garden gay throughout the fall until the heavy hand of the frost descends upon them and ruthlessly destroys in one night that which it has taken an entire season to create.

From year to year I have grown at my country place at Green's Farms, Conn.—which is in a very beautiful, rolling section of country between Bridgeport and Norwalk on Long Island Sound, with a wonderful view of Long Island in the distance—three or four thousand seedlings, using only the best seed procurable from my own plants. This scheme I am still pursuing; it affords me the same sort of excitement which as a boy I found in my matinal visits to the fish-lines set the night before. Now and then something worth while was pulled out of the water.

A great man is born once in a while, but the majority of children, whatever their parents may tell them, turn out to be just plain "folks". Dahlias follow the same law, and out of the mass of seed I have found each year only a few worth saving. Those I remove from the seedlings and try them out in my ornamental garden before selecting further.

Hybridizing

When one gives serious study to the natural law which governs the evolution of a superior strain of dahlias, which I have done for some ten or twelve years, he will find that what is called the hybridist, who laboriously combines two existing varieties, is wasting his time. No matter what their parentage, not more than one in five hundred new varieties thus obtained is in any way superior to, or the equal of, its immediate parents. The rest are just common stuff.

The matter of hybridizing may just as well be left to the bees, only seeing to it that none but the best existing varieties are growing in the neighborhood. Out of the twenty-five thousand seedlings which in the last twelve years I have grown from seed taken from the blooms of my plants, I have obtained only about fifty varieties which I consider superior.

Whether they are superior or not I leave to their record in the American Dahlia Society Shows of the last six years. I doubt very much whether the deliberate hybridist can exhibit any better results.

Of course, new varieties of some sort are easily produced by any amateur. But the evolution of a superior strain is a work that demands a long period of time, infinite patience and great expense.

It seems impossible adequately to describe dahlias as to form and color; none is of a pure prismatic color and few adhere strictly in form to any of the types which have been arbitrarily adopted for their description.

I have divided my dahlias into two classes: those of superlative and unrivaled merit for both size and beauty, and those which fall

(Continued on page 76)
From left to right, "Mrs. E. T. Redford", "Judge Marean" and "Le Toreador", three of the Judge's splendid dahlia creations, all of the decorative type.

A single plant of "Mrs. Josiah T. Marean". The blooms are of the peony type, old rose in color with golden shadings showing at their bases.

From left to right these are "Venus", "Mephistopheles", "Marion Weller" and "Peg O' Me Heart". All are very large and colored, respectively, creamy white suffused with lavender; ruby red with minute golden points on the petals; chrome yellow with darker shadings; and old rose shaded golden yellow. Imagine the display value of such splendid varieties in the formal garden beds.
Small gardens, especially those intimately connected with the house, are coming more and more into favor. This one is close enough to the house so that the living room windows overlook the vividly colored picture of blending flowers. Advantage is taken of the view. The curve of the shore around the bay and the distant stretch of sea are commanded by this broad brick walk beside the house. It breaks the hedge on the shore side and opens up the garden’s vista.

In this tiny plot a windbreak is provided by a high brick wall on one side, the house on another and a privet hedge on the third. Back of the wall are planted Lombardy poplars. The flowers are planted in beds around a central sundial.

The GARDEN of RODMAN
PAUL SNELLING NEAR
BEVERLY FARMS, MASS.

ROSE STANDISH NICHOLS,
Landscape Architect
## HOUSE & GARDEN'S GARDENING GUIDE

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

### 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>addiae</td>
<td>Butterfly shrub</td>
<td>6'-8'</td>
<td>Pink, blue, violet</td>
<td>July to frost</td>
<td>A new flowering shrub, but one of the best; sunny position and fairly rich soil.</td>
</tr>
<tr>
<td>althaea</td>
<td>Butterfly bush</td>
<td>4'-5'</td>
<td>White, pink</td>
<td>June</td>
<td>One of the best of the smaller shrubs; very fragrant.</td>
</tr>
<tr>
<td>Physanis</td>
<td>Trumpet vine</td>
<td>8'-10'</td>
<td>Deep pink</td>
<td>July</td>
<td>Good for cutting; best effect obtained through massing with other shrubs; charming flowers.</td>
</tr>
<tr>
<td>nervosa</td>
<td>Japanese barberry</td>
<td>6'-8'</td>
<td>Yellow</td>
<td>July</td>
<td>Large yellow flowers bloom before the leaves appear.</td>
</tr>
<tr>
<td>physanis</td>
<td>Trumpet vine</td>
<td>8'-10'</td>
<td>Deep pink</td>
<td>July-Aug.</td>
<td>Most striking when clipped; strong growth; fine blossoming.</td>
</tr>
<tr>
<td>nertera</td>
<td>Butterfly bush</td>
<td>4'-5'</td>
<td>White, pink, yellow</td>
<td>June</td>
<td>Profuse bloomers; a valued and favorite shrub.</td>
</tr>
<tr>
<td>Physanis</td>
<td>Trumpet vine</td>
<td>8'-10'</td>
<td>Deep pink</td>
<td>June</td>
<td>Flowers of a beautiful shade.</td>
</tr>
<tr>
<td>nervosa</td>
<td>Japanese barberry</td>
<td>6'-8'</td>
<td>Yellow</td>
<td>July-Aug.</td>
<td>Suited for dense places; brilliant in the fall.</td>
</tr>
<tr>
<td>nertera</td>
<td>Butterfly bush</td>
<td>4'-5'</td>
<td>White, pink, yellow</td>
<td>June</td>
<td>Fragrant; nice foliage; grows well even in moist spots.</td>
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<tr>
<td>Physanis</td>
<td>Trumpet vine</td>
<td>8'-10'</td>
<td>Deep pink</td>
<td>July</td>
<td>A shrub of exceptional gracefulness.</td>
</tr>
<tr>
<td>nervosa</td>
<td>Japanese barberry</td>
<td>6'-8'</td>
<td>Yellow</td>
<td>July</td>
<td>There are many varieties; each has some good point.</td>
</tr>
<tr>
<td>nertera</td>
<td>Butterfly bush</td>
<td>4'-5'</td>
<td>White, pink, yellow</td>
<td>June</td>
<td>Graceful; long spikes; flowers late in summer.</td>
</tr>
<tr>
<td>Physanis</td>
<td>Trumpet vine</td>
<td>8'-10'</td>
<td>Deep pink</td>
<td>July</td>
<td>Of robust habit, blooms profusely, and very growth.</td>
</tr>
</tbody>
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### SHRUBS FOR MASSES AND HEDGES

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<tr>
<th>COMMON NAME</th>
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<th>COLOR</th>
<th>SEASON OF BLOOM</th>
<th>DIRECTIONS</th>
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</thead>
<tbody>
<tr>
<td>Rose of Sharon</td>
<td>8'-12'</td>
<td>Pink, white</td>
<td>Aug.-Oct.</td>
<td>Among the best of tall shrubs; very hardy.</td>
</tr>
<tr>
<td>Japanese maple</td>
<td>8'-12'</td>
<td>White, red</td>
<td>Aug.-Sept.</td>
<td>Leaves of many distinct shapes and attractive coloring, especially in early spring.</td>
</tr>
<tr>
<td>Angelica tree</td>
<td>10'-15'</td>
<td>White, various</td>
<td>Aug.</td>
<td>Unique tropical looking.</td>
</tr>
<tr>
<td>Ground Elder</td>
<td>10'-15'</td>
<td>White</td>
<td>Aug.-Sept.</td>
<td>White fluffy seed pods in fall.</td>
</tr>
<tr>
<td>Dogwood</td>
<td>12'-20'</td>
<td>Red, yellow, pink</td>
<td>May-June</td>
<td>Flowers before leaves appear; very attractive.</td>
</tr>
<tr>
<td>Smoke tree</td>
<td>12'-20'</td>
<td>Smoke colored</td>
<td>May-June</td>
<td>Very distinctive; flowers in feathery clusters.</td>
</tr>
</tbody>
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### SHRUBS FOR INDIVIDUAL SPECIMENS

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### SNIPPET

**SUMMER FLOWERING BULBS**

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<tbody>
<tr>
<td>Anemone</td>
<td>12&quot;-18&quot;</td>
<td>White, yellow, blue, purple, 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>Cerastes</td>
<td>12&quot;-18&quot;</td>
<td>White, yellow, blue, purple, pink, blue</td>
<td>June-June</td>
<td>Start in heat, or plant in rich, light soil in open. Water freely.</td>
</tr>
<tr>
<td>Hyacinth</td>
<td>18&quot;-24&quot;</td>
<td>White, yellow, blue, purple, pink, blue</td>
<td>June-Sept.</td>
<td>Plant suitable varieties in rich warm soil. Plenty of water; store for winter in warm temperature.</td>
</tr>
<tr>
<td>Lachenalia</td>
<td>9&quot;-12&quot;</td>
<td>Pink, yellow, red, white, purple, green, blue, yellow</td>
<td>June-Oct.</td>
<td>Start in heat or after danger of frost; in deep, rich soil; thin and dish for good bloom.</td>
</tr>
<tr>
<td>Snowdrop</td>
<td>12&quot;-18&quot;</td>
<td>White, yellow, blue, purple, pink, blue</td>
<td>June-Sept.</td>
<td>Succession of plantings from April to June for continuous bloom; store cool for winter.</td>
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<tr>
<td>Tulip</td>
<td>18&quot;-24&quot;</td>
<td>White, yellow, blue, purple, pink, blue</td>
<td>June-Sept.</td>
<td>Single and double forms; early green; good for cuttings.</td>
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<tr>
<td>Crocus</td>
<td>12&quot;-18&quot;</td>
<td>White, yellow, blue, purple, pink, blue</td>
<td>June-Sept.</td>
<td>Culture similar to that of gladiolus. Plant 6&quot; to 9&quot; each way; take up or protect.</td>
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<tr>
<td><strong>For Beds and Masses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asters (A)</td>
<td>18&quot;-30&quot;</td>
<td>Various</td>
<td>July-Sept.</td>
<td>Protect from aster beetle by picking and P warp given.</td>
</tr>
<tr>
<td>Common (A)</td>
<td>18&quot;-30&quot;</td>
<td>White, pink, red</td>
<td>Aug ust to frost</td>
<td>Very free and continuous flowering; harsh, compact growth; good for edging. (P)</td>
</tr>
<tr>
<td>Calendula (L)</td>
<td>18&quot;-30&quot;</td>
<td>Red, yellow, orange, pink</td>
<td>Various</td>
<td>Easily grown, free flowering; select color with care, avoiding mixtures.</td>
</tr>
<tr>
<td>Marigold (A)</td>
<td>18&quot;-30&quot;</td>
<td>Pale gold to orange</td>
<td>Various</td>
<td>Especially good on new or poor soil, for best flowers not easily too rich.</td>
</tr>
<tr>
<td>Pansy (A)</td>
<td>18&quot;-30&quot;</td>
<td>Various</td>
<td>Various</td>
<td>For immediate show get old plants, but for a long season new plants just beginning to bloom. (P)</td>
</tr>
<tr>
<td>Phlox Drummondii (A)</td>
<td>18&quot;-30&quot;</td>
<td>Various, brilliant</td>
<td>Various</td>
<td>Unusual and fragrant; blooms many fine named varieties. (S B)</td>
</tr>
<tr>
<td>Verbena (A)</td>
<td>6&quot;-9&quot;</td>
<td>Various</td>
<td>Various</td>
<td>Most brilliant for low, spreading, carpet growth; flowers to hard frost. (P or S B)</td>
</tr>
<tr>
<td>African (A)</td>
<td>12&quot;</td>
<td>Blue, white</td>
<td>June to frost</td>
<td>Compact, upright growth; will spread out over walk. (P or S)</td>
</tr>
<tr>
<td>Astilbe (A)</td>
<td>6&quot;-12&quot;</td>
<td>White, pink, red</td>
<td>May to frost</td>
<td>Trailing or spreading; very graceful in habit. (P or S)</td>
</tr>
<tr>
<td>Bees (A)</td>
<td>6&quot;-30&quot;</td>
<td>Orange and yellow</td>
<td>June to frost</td>
<td>Near, compact, showy, numerous variety of little daisy-like flowers. (P)</td>
</tr>
<tr>
<td>Zinnia (D)</td>
<td>6&quot;-12&quot;</td>
<td>Blue, white</td>
<td>June to frost</td>
<td>Dwarf sorts in named varieties very effective for narrow borders. (P or S B)</td>
</tr>
<tr>
<td><strong>For Edges and Borders</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Antirrhinum (P)</td>
<td>24&quot;</td>
<td>White, red, yellow</td>
<td>July-Sept.</td>
<td>Select dwarf, medium or tall varieties as wanted; staked tall sorts best.</td>
</tr>
<tr>
<td>Aquilegia (P)</td>
<td>18&quot;-30&quot;</td>
<td>White, orange, blue</td>
<td>June-July</td>
<td>Gravelly, open habit of bloom; fine in combination with other plants.</td>
</tr>
<tr>
<td>Canterbury Bells (B)</td>
<td>18&quot;-30&quot;</td>
<td>Pink, blue, white</td>
<td>June-July</td>
<td>Wintered over plants or started early in heat, avoid crowding. (P)</td>
</tr>
<tr>
<td>Delphinium (HP)</td>
<td>18&quot;-30&quot;</td>
<td>Blue</td>
<td>June-July</td>
<td>Geranium in gargon for blooms; start early.</td>
</tr>
<tr>
<td>Digitalis (B)</td>
<td>18&quot;-30&quot;</td>
<td>White, pink, purple</td>
<td>June-July</td>
<td>Easily grown old favorites, wintered over plants or started early in heat. (P)</td>
</tr>
<tr>
<td>Mimulus (B)</td>
<td>18&quot;-30&quot;</td>
<td>Various</td>
<td>Various</td>
<td>For stronger flowering plants start early; use selected colors. (P or S)</td>
</tr>
<tr>
<td>Papaver (A)</td>
<td>18&quot;-30&quot;</td>
<td>Mixed-yellow to lilac</td>
<td>June-July</td>
<td>Old favorite but one of the most satisfactory; very improved named varieties; avoid crowding; cut flowers.</td>
</tr>
<tr>
<td>Torenia (A)</td>
<td>5&quot;-10&quot;</td>
<td>Blue, white</td>
<td>July-Sept.</td>
<td>For one of the best hanging, especially good; wintered new plants, or start early; seeds.</td>
</tr>
<tr>
<td><strong>For Cutting</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acalahis (A)</td>
<td>12&quot;-15&quot;</td>
<td>Rich, various</td>
<td>June to frost</td>
<td>Easily grown, give sunny situations; start in heat or outdoors. (P or S)</td>
</tr>
<tr>
<td>Asters (A)</td>
<td>18&quot;-30&quot;</td>
<td>Yellow-orange (brown)</td>
<td>June to frost</td>
<td>Protect from horned, divided for flowering. (S or P)</td>
</tr>
<tr>
<td>Callianthus (A)</td>
<td>12&quot;-15&quot;</td>
<td>White, red, yellow</td>
<td>June to frost</td>
<td>Give plenty of sun, keep dead flowers cut off. (S)</td>
</tr>
<tr>
<td>Coreopsis (A)</td>
<td>2&quot;-8&quot;</td>
<td>White, red</td>
<td>July to frost</td>
<td>Very showy; pinch back to bushy plants, (P or S B)</td>
</tr>
<tr>
<td>Delphinium (B)</td>
<td>10&quot;-15&quot;</td>
<td>White</td>
<td>July to frost</td>
<td>Seen above; start in heat for early cutting. (P or S)</td>
</tr>
<tr>
<td>Delphinium (HP)</td>
<td>18&quot;-24&quot;</td>
<td>White</td>
<td>July to frost</td>
<td>Exceptionally easy; attractive, rich colors; avoid crowding. (S)</td>
</tr>
<tr>
<td>Erythrina (B)</td>
<td>12&quot;-24&quot;</td>
<td>White, yellow, orange</td>
<td>May to frost</td>
<td>Unsuitable for use with other cut flowers; small sowing each month. (S)</td>
</tr>
<tr>
<td>Sphaeralcea (A)</td>
<td>18&quot;-30&quot;</td>
<td>Rose, pink, purple, white</td>
<td>July to frost</td>
<td>Cut opening look; keep old flowers closed off; avoid crowded plants. (S)</td>
</tr>
<tr>
<td>Sunflower (A)</td>
<td>5&quot;-10&quot;</td>
<td>White, black-purple, blue, rose</td>
<td>August-Sept.</td>
<td>For stronger flowering plants start early; use selected colors. (P or S)</td>
</tr>
<tr>
<td><strong>For Fragrance (Cutting)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Centaurea (Sweet Sultan) (A)</td>
<td>24&quot;-30&quot;</td>
<td>Rose, lavender</td>
<td>June-Sept.</td>
<td>Make second sowing; favorite old &quot;Sweet Sultan.&quot;</td>
</tr>
<tr>
<td>Heliotrope (P)</td>
<td>12&quot;-24&quot;</td>
<td>Purple, white</td>
<td>June-Sept.</td>
<td>For above select most fragrant plants for stock. (P or S)</td>
</tr>
<tr>
<td>Marguerite Carnations (P)</td>
<td>18&quot;-24&quot;</td>
<td>Blue to white</td>
<td>May-Sept.</td>
<td>Blooms early from seed; give good stand; selected colors. (S B)</td>
</tr>
<tr>
<td>Mignonette (A)</td>
<td>18&quot;-24&quot;</td>
<td>White, yellow, pink, red</td>
<td>May-Sept.</td>
<td>How every month or so for success; cut every two months. (S B or S)</td>
</tr>
<tr>
<td>Stevia (T)</td>
<td>18&quot;-24&quot;</td>
<td>Pale gold to orange</td>
<td>July to frost</td>
<td>Give rich soil; plant out in seed bed and transplant twice to double floweers only. (P or S B)</td>
</tr>
<tr>
<td>Stocks (A)</td>
<td>18&quot;-24&quot;</td>
<td>Lavender, pink, yellow, scarlet</td>
<td>May-Sept.</td>
<td>Plant deep, avoid overcrowding; water abundantly; keep old flowers picked. (P or S)</td>
</tr>
<tr>
<td>Wallflower (B)</td>
<td>18&quot;-24&quot;</td>
<td>Lavender, pink, crimson, mauve</td>
<td>July-Sept.</td>
<td>Winter over or start early in heat to get flowers first season. (P)</td>
</tr>
<tr>
<td><strong>For Climbing</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Campanula (A)</td>
<td>10&quot;</td>
<td>Canary yellow</td>
<td>June to frost</td>
<td>Fringed, bright yellow; flowers very unique; rapid growth. (P or S)</td>
</tr>
<tr>
<td>Cardinal Climber (A)</td>
<td>30&quot;</td>
<td>Scarlet</td>
<td>July to frost</td>
<td>New rapid growth; unparallel for brilliant display; soil or file seeds. (P or S)</td>
</tr>
<tr>
<td>Cleome (A)</td>
<td>18&quot;-30&quot;</td>
<td>Purple, white</td>
<td>July to frost</td>
<td>Easily grown; very fine flowering; good for accenting. (P or S)</td>
</tr>
<tr>
<td>Mandevilla (T)</td>
<td>18&quot;-24&quot;</td>
<td>White, yellow</td>
<td>August to frost</td>
<td>Unique and fragrant; some new good varieties; start early for best results. (P or S)</td>
</tr>
<tr>
<td>Moringa (A)</td>
<td>18&quot;-24&quot;</td>
<td>Yellow</td>
<td>August to frost</td>
<td>Old favorite but generally improved; for covering fences, rubbish heaps, etc. as well as climbing.</td>
</tr>
<tr>
<td>Nasturtium (A)</td>
<td>6&quot;-9&quot;</td>
<td>Crisp, maroon, orange, white, blue</td>
<td>June to frost</td>
<td>See above. Use self-colors for most striking effects.</td>
</tr>
</tbody>
</table>

**NOTES:**

- Annuals flower, mature, and die in a single season.
- Biennials become established the first season; and flower and seed the next spring or summer; by starting early or under glass, most of these flowers the same year, like annuals.
- Perennials flower and seed year after year; by early sowing many of them will flower the first season.
- "Handy," annually, or perennials are those capable of resisting cold, and may be grown outdoors with the hardy vegetables.
- "Tender" annuals, biennials, or perennials require warm weather, and should not be planted until "corn-planting time."
<table>
<thead>
<tr>
<th>VEGETABLE AND TYPE</th>
<th>REPRESENTATIVE VARIETY</th>
<th>FIRST PLANTING</th>
<th>SUCCESIVE PLANTINGS WORK APEART</th>
<th>AMOUNT OR NUMBER FOR 30’ ROW</th>
<th>DIRECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bean, bush, Green Pod</td>
<td>Early Beautiful</td>
<td>April 15</td>
<td>2 to 6 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Bean, bush, Wax</td>
<td>Rust Proof Golden Wax</td>
<td>April 20</td>
<td>2 to 6 to Aug. 1</td>
<td>1 pt.</td>
<td>18” x 4’</td>
</tr>
<tr>
<td>Bean, bush, Lima</td>
<td>Golden Lister</td>
<td>April 25</td>
<td>3 to 7 to June 15</td>
<td>1 pt.</td>
<td>4’ x 4’</td>
</tr>
<tr>
<td>Bean, pole, Lima</td>
<td>Early Lanyard</td>
<td>April 15</td>
<td>3 to 7 to Aug. 1</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Beets, Ext. Early</td>
<td>Early Model</td>
<td>May 1</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Beets, main and winter</td>
<td>Denver Dark Red</td>
<td>June 15</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Brussels Sprouts</td>
<td>Detroit Dark Red</td>
<td>June 15</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Cabbage, Ex. Early</td>
<td>Pak Choi F</td>
<td>May 1</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Cabbage, Summer</td>
<td>Succession</td>
<td>May 1</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Cabbage, Late</td>
<td>Danish Ball Head</td>
<td>May 1</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Carrots, Ext. Early</td>
<td>Early Scarlet</td>
<td>April 15</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Carrots, main and winter</td>
<td>Certain Tun</td>
<td>April 15</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Carrots, spring and fall</td>
<td>Dutchess</td>
<td>April 15</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Celery, Early</td>
<td>Golden Stanching</td>
<td>April 15</td>
<td>4 to July 15</td>
<td>20% of 1”</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Celery, late</td>
<td>Winter Gem</td>
<td>May 1</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Corn, Early</td>
<td>Golden Bantam</td>
<td>May 1</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Corn, main crop</td>
<td>Country Gentleman</td>
<td>May 1</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Corn, for silking, etc.</td>
<td>Davis Perfect</td>
<td>May 1</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Corn, for pickling</td>
<td>Early June</td>
<td>May 1</td>
<td>3 to 4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Eggplant</td>
<td>Black Beauty</td>
<td>May 20</td>
<td>4 to Aug. 1</td>
<td>20% of 1”</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Endive</td>
<td>Giant Fringed</td>
<td>April 10</td>
<td>4 to July 10</td>
<td>20% of 1”</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Kohlrabi</td>
<td>White Vienna</td>
<td>April 10</td>
<td>4 to July 10</td>
<td>20% of 1”</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Leeks</td>
<td>American Flag</td>
<td>April 15</td>
<td>4 to July 10</td>
<td>20% of 1”</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Lettuce, loose leaf for spring</td>
<td>Grand Rapids</td>
<td>April 15</td>
<td>3 to May 20</td>
<td>20% of 1”</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Lettuce, “Butterhead,” for spring and fall</td>
<td>Big Boston</td>
<td>April 10</td>
<td>3 to May 20</td>
<td>20% of 1”</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Lettuce, crisp head, for summer</td>
<td>Boston Pick</td>
<td>May 1</td>
<td>3 to June 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Lettuce, crisp mix</td>
<td>Veedam Gem</td>
<td>May 1</td>
<td>3 to June 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Melon, musk</td>
<td>Homebush Melon</td>
<td>May 1</td>
<td>3 to June 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Melon, musk, bush</td>
<td>White Melon</td>
<td>May 1</td>
<td>3 to June 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Melon, water</td>
<td>White Velvet</td>
<td>May 1</td>
<td>3 to June 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Okra</td>
<td>Yellow Waxers</td>
<td>April 1</td>
<td>10 oz.</td>
<td>12” x 4’</td>
<td></td>
</tr>
<tr>
<td>Onion, globe</td>
<td>Gigantica Gladiator</td>
<td>April 10</td>
<td>3 to June 15</td>
<td>1.5 oz.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Onion, large Spanish</td>
<td>Emerald Cured</td>
<td>June 15</td>
<td>3 oz.</td>
<td>12” x 4’</td>
<td></td>
</tr>
<tr>
<td>Parsley</td>
<td>Alaska</td>
<td>April 15</td>
<td>3 to June 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Peas, early, wrinkled</td>
<td>Gradas (Little May Devon Dwarf)</td>
<td>April 10</td>
<td>3 to May 20</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Peas, wrinkled, main crop</td>
<td>Alderman (British Wonder Dwarf)</td>
<td>April 10</td>
<td>3 to June 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Peppers, large frilled</td>
<td>Ruby King</td>
<td>May 15</td>
<td>4 oz.</td>
<td>12” x 4’</td>
<td></td>
</tr>
<tr>
<td>Peppers, small frilled</td>
<td>Coral Gem Bouquet</td>
<td>May 1</td>
<td>6 oz.</td>
<td>12” x 4’</td>
<td></td>
</tr>
<tr>
<td>Parsnips</td>
<td>Improved Hallowed Crown</td>
<td>April 15</td>
<td>14 oz.</td>
<td>12” x 4’</td>
<td></td>
</tr>
<tr>
<td>Pumpkins</td>
<td>Cape Cod</td>
<td>May 1</td>
<td>3 to July 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Pumpkin, Early</td>
<td>Giant Globe</td>
<td>April 15</td>
<td>2 to Sept. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Pumpkin, Medium</td>
<td>Chantenay</td>
<td>April 15</td>
<td>2 to Sept. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Radish</td>
<td>Chinese Chinese</td>
<td>June 15</td>
<td>4 to Aug. 15</td>
<td>1 pt.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Rutabagas</td>
<td>Golden Needle</td>
<td>May 1</td>
<td>4 to July 1</td>
<td>16 oz.</td>
<td>12” x 4’</td>
</tr>
<tr>
<td>Spinach</td>
<td>Sand hill</td>
<td>April 10</td>
<td>4 oz.</td>
<td>12” x 4’</td>
<td></td>
</tr>
<tr>
<td>Spinach</td>
<td>Victoria</td>
<td>April 1</td>
<td>4 oz.</td>
<td>12” x 4’</td>
<td></td>
</tr>
<tr>
<td>Squash, summer</td>
<td>Czech Summer Crookneck</td>
<td>May 1</td>
<td>3 oz.</td>
<td>12” x 4’</td>
<td></td>
</tr>
<tr>
<td>Squash, winter</td>
<td>Hubbard</td>
<td>March 15</td>
<td>4 oz.</td>
<td>12” x 4’</td>
<td></td>
</tr>
<tr>
<td>Tomato, Early</td>
<td>Bonne Best (Chalk’s Jewel)</td>
<td>May 1</td>
<td>25</td>
<td>4” x 4’</td>
<td></td>
</tr>
<tr>
<td>Tomato, Late</td>
<td>Snow</td>
<td>May 1</td>
<td>25</td>
<td>4” x 4’</td>
<td></td>
</tr>
<tr>
<td>Turnip, summer</td>
<td>Amber Globe</td>
<td>April 10</td>
<td>4 oz.</td>
<td>12” x 4’</td>
<td></td>
</tr>
<tr>
<td>Turnip, winter</td>
<td>White Globe</td>
<td>June 1</td>
<td>16 oz.</td>
<td>12” x 4’</td>
<td></td>
</tr>
</tbody>
</table>

**NOTES ON VEGETABLES**

*P*= plants from frames or seed-beds.

**First figure under Directions indicates distance between rows; second between plants in row after thinning, or between hills.

*Row* are continuous rows, in which the seeds are sown near together, and the plants even after thinning stand at irregular distances, usually taller than

*Rows* have the plants at regular distances, but so near together that machine cultivation is attempted only between the rows.

*Hills*, which are especially enriched before planting, are isolated groups or clusters of plants, generally about equidistant—2’ or more apart.

**Plant** can be sown either in drills, for thinning out, or in hills, for cutting up and using as slices into rows, to take up and use as roots not used.

*Roots* for storing in winter should not be planted until quite late, as they are better both in keeping and eating qualities not overcrowned.

Excellence for storing for winter; culture similar to turnip; late planting makes best quality large.

*Maxim* to seed this couple as small as possible; use pods when young.

*Mark out drill*; inset up to 1” deep, keep deep, except with potatoes, dress in soil; give plenty of water.

*Keep deep, except with potatoes, dress in soil; give plenty of water.

*Soak and sow two hours before very light; hop not early.
Points of Similarity Between Italian and American Furniture Made These Pieces Appear at Home in Their Unusual Setting

H. D. EBERLEIN and ROBERT B. C. M. CARERRE

CARRYING coals to New Castle can scarcely be called an act of wisdom. Neither would the carrying of American antiques to Italy seem any more to be commended on that score. However, under the saving grace of "exceptions that prove the rule", one may find justifiable instances contradictory of almost everything that is usually deemed the wise or proper thing to do.

The transporting of American antiques to Italy to be used in the partial equipment of an Italian house, in the case under present consideration, was quite justifiable on the grounds of personal attachment to the objects which the American owners wished to keep about them in their new home overseas. It is always a wrench to sacrifice one's Lares and Penates, and a sacrifice that ought not to be made save under stress of the direst necessity. It was quite justifiable, too, on the score of decorative propriety, as the illustrations show. Good taste and tact in combining the American pieces with supplementary Italian acquisitions produced results agreeable and illustrative of certain sound principles.

The House

The Villa Ruspoli, just outside of Florence, is much like other moderately-sized Tuscan villas except that being of modern construction it has rather more coherence of plan than the older dwellings, which often represent a long period of growth with sundry additions made from century to century. The house is L-shaped with the entrance at the angle. To the left, upon entering, at the elbow of the L, is the service portion of the establishment, while to the right are the drawing room, dining room, library, and several smaller apartments.

The house is comfortably spacious and, as is frequently the case in the modern villas, there are no door nor window trims with molded projections of stone, wood or plaster, but all the openings are merely sharply rectangular penetrations in the plaster surface of the walls. The doors are often

set back a few inches within the wall. Sometimes, in this type of hallway, a doorway boasts a broad, flat, absolutely unadorned stone arch projecting about half an inch from the wall surface, but this is the exception and by no means usual. The window reveals are displayed and the casement window is as plain as a pipe stem.

Walls and Decoration

Thus the background to begin with was favorable in that there were no architectural features at all of pronounced character to interject possibly disturbing or limiting elements. The only intractable feature was the painted decoration—polychromes and stripings, with polychromes painted in perspective, while the ceiling on the staircase glowered in black. All of this was painted decoration—it was the only thing to do—and the walls from top to bottom were uniformly painted pale cream color, with a plain dark base line extending about 9 inches above the floor.

The polychrome decoration, beamed ceilings in the drawing room, library, and dining room were to remain untouched. The only thing to do was to neutralize the background. The polychrome decorations, the beamed ceilings and the tile so characteristic of Italian work, yield a cosmopolitan interest not in the least observable or incongruous.

The Drawing Room

When we come to the furnishing of the drawing room, we find, instead, an American mahogany sofa, an American mahogany Chippendale chair, near it a mahogany pedestal table. The Hepplewhite armchair in the nearer foreground, Italian painted commode of Hepplewhite affinity, and board or painted commode of...
urch cabriole legs, standing on an American Empire triple mirror with gilt frame, and an all-over upstered chair which might be of either British or American origin. At the other end of the room, at the side of the door, is a 18th Century painted Hepplewhite armchair, an Italian Hepplewhite painted chair, an Italian nut secretary of Hepplewhite relationship, an American Sheraton mahogany hanging corner cupboard, and another American Empire gilt-framed mirror. The painted Italian pieces have polychrome decorations on a pale green ground.

**Unifying Influences**

This inventory sounds sedentary heterogeneous, not altogether promising. As a matter of fact, there are three objects that have contributed to produce a very considerable sense of corporate unity, notwithstanding the divergent individual items in the ensemble. First of all, the room is large enough to avoid jarring conflict between utterly dissimilar pieces, conflict that proximity might precipitate. In the second place, there are certain sets of similarity and contact between some of the American pieces and some of the Italian pieces that serve as a unifying bond, largely due to the same spirit of design that simultaneously included all the better furniture on both sides of the Atlantic. In the latter part of the 18th Century, the two styles developed a certain family likeness, making it easy to reconcile local differences. Thirdly, uniformity of upholstery stuff on both sides of the Atlantic is not too great a problem. The two views of the drawing room show Americans and Italian pieces used together in perfect accord.

In the library the American walnut Queen Anne low-boy, the comfortable upholstered sofa beside the fireplace, and the little walnut pedestal table with serpent's-head feet are of distinctly American provenance, while the Empire mantel and the Empire mirror above it, though actually Italian, have so many American counterparts, that the tone of the room is thoroughly consistent. The unmistakably Italian sconces and the lamps made from old Italian candlesticks add just enough of the Italian element to give a note of distinction and piquancy.

**The Dining Room**

The dining room, save for the drop-leaf table of Queen Anne kinship, is altogether Sheratonesque. The sconce above the sideboard, though characteristically Italian, merely serves as a foil to emphasize more strongly the dominating Sheraton accent of the room's composition. The ceiling is beamed and painted, like the ceilings in the drawing room and library, but the tones and pattern are so subdued and unobtrusive that its effect is simply an influence of quiet enrichment.

One of the bedrooms also illustrates the harmonious manner in which Italian and American antiques can be made to dwell together. The dominant piece in the room is an Italian four-post bed. The bed itself is quite low and massive, and the posts rise high above it, deeply carved and with decorated terminals. In the same room are used pieces of the American Empire era. The bed has such strong affinities with the American Empire type that it accords admirably with the American pieces in the room. The mirrors are Italian, too. The walls and ceiling are plain.

Throughout the whole house one perceives not only a sense of balance and discriminating restraint in composition, but also finds justification for transplanting antiques that have proved their fitness as instruments of a pleasing cosmopolitanism in interior decoration. They have shown that American antiques in Italy need not be like fish out of water any more than well-bred and well-behaved Americans are out of place in like surroundings.
In the space at the foot of the bed can often be placed a chair, couch or table. In the bedroom to the right the small table breaks the vertical lines of the four-poster and affords a place for flowers in a vase—the last things to look upon at night and the first in the morning.

A daybed or couch is almost an essential in the bedroom of a busy housewife, who should retire for her forty winks in the afternoon. This spares the bed and gives an added air of luxury to the room. In the room below the daybed is a fitting adjunct to the four-poster.

Small, low chairs placed in bedrooms have been given the pleasant name of slipper chairs. When they are at the foot of the bed, as in this Colonial room, they are reminiscent of childhood, when you were taught to fold up your clothes at nights and place them on a chair.

The air of harmony in the bedroom to the left is produced by using the same pattern chintz at the window, for bedspreads and on the couch at the foot.

The busy housewife would probably criticize this arrangement because the couch has to be made when the beds are made.
Shingles as an outside wall covering have many advantages in addition to their length of life and moderate price. They can be painted, as here. They can be laid with an occasional narrow course, thus breaking the monotony of the wall surface. This home, a residence at Spokane, Washington, also presents an interesting study in gables.

Upstairs the hall space is kept at a minimum, giving plenty of closet room, making the chambers of ample size. The exposure of these rooms and their ventilation has been well handled. A feature of the plan is the nursery, which in time can become the child's bedroom. It is a liveable house for a small family with one servant.

**A GROUP of FIVE SMALL HOUSES**

In Which Shingle and Stucco Have Been Successfully Employed

Practically one half of the bottom floor is occupied by the living room and its attendant sunroom, which commands the garden view. The entrance is effected through an outside vestibule, with a lavatory placed behind it. Service quarters are in the front and side of the house, placing the dining room at the rear facing the garden.

The roof is deeply indented, dormers crop out unexpectedly, the shingle of the roof spills over the shingle of the walls, yet the whole effect is pleasant. Color is given this wall by the rough stone chimney stack. The windows throughout the house are casements, the entrance lavatory being protected by a casement grill. Whitehouse & Price, architects.
The Dutch Colonial style has been followed in designing a small, livable house for A. J. Bleecker at Tenafly, N. J. A sturdy chimney of native rubble stone displays a great variety of colors, separated by wide joints. The shingled walls are finished with an old whitewashed effect and the roof shingles stained a weathered brown. Blinds and shutters are pumpkin color. In locating the house the existing trees were spared and will form a valuable part in the composition. Vines and shrubbery will help to complete the exterior. R. C. Hunter & Bro., architects.

The plan is compact and convenient. A living room extends the depth of the house and the hall and dining room are of good size. The second floor provides four bedrooms, two baths and ample closet space.

A small house, but eminently livable, is the home of H. L. Braisted at Englewood, N. J. By bringing the roof down to the first story the house is given a low appearance. The wide dormer provides comfortable bedrooms.

Fireplaces on the porch and in the living room are served by one chimney. The dining room is of ample proportions and the kitchen is well lighted. The dining room walls are paneled. On the second floor are three family bedrooms, all of good size, a bath and servant's room with lavatory. R. C. Hunter & Bro., architects.
Upstairs are three bedrooms and a bath, together with storage space over the shed. This plan would serve for a small family. What is now a shed could easily be transformed into a garage, thus combining under one roof the essentials of a small suburban or country house.

The outside walls of this Massachusetts cottage are finished in grayish cream stucco with brown stained cypress trimmings. The roof is of dark red shingle tile. Inside the woodwork is cypress stained on the first floor and painted white on the second. Chapman & Fraser, architects.

By reversing the plans the layout of the rooms fits the photograph more readily; the shed forming the ell shown in the view. There is accommodation downstairs for a kitchen, dining room and living room, with a small hallway.

A livable plan is found in this home at Pottsville, Pa.—large living and dining rooms, convenient kitchen, an upstairs library and sun room, with guest and master chambers. C. E. Schermerhorn and Watson K. Phillips, associate architects of the house.

The house is built along Italian lines, of hollow tile with cream colored cement stucco finish. The roof is of shingles stained several shades of green. Two servant's rooms, bath and store room are provided on the third floor, no plan of which is shown.
THE DECORATIVE QUALITY OF POTTERY BIRDS

Valuable Accessories That Combine With Flowers in Creating Spots of Interest and Color

MARGARET McELROY

It is not strange that in the very beginning birds were one of the main motifs in decoration. They had so much to offer—color, form, and the endless variety of motion. That the designer was quick to see and seize the tremendous decorative value of these qualities is shown by the bird motif that has come down the ages.

Ancient Egyptian decoration was essentially gay, perhaps to counteract the somberness of their architecture. Color was used lavishly and in many instances we find graceful and strange looking birds in the frescoes on the walls of their tombs and palaces. On the side of the sarcophagus of one of the wives of King Mentuhotep III, birds are an important part of the carved design and a famous Egyptian frieze shows three species of geese, exquisitely drawn by some artist in the Third or Fourth Dynasty, six thousand years ago—a decorative record, indeed.

Their Influence Today

So it is to the decorator, perhaps more than anyone else, that birds have been the greatest source of inspiration the world over. There is practically nothing that goes into our homes today that has not been touched and enhanced by their graceful forms, from the countless designs on china and chintz to the little silver pheasant salt shakers or the majestic eagle poised proudly on a Georgian mirror.

Of late the wonderfully decorative quality of pottery and china birds has been rediscovered and they hold a deservedly prominent place among the unusual accessories that lend distinction to an interior. Their success is legitimate. With the exception of flowers, nothing so quickly satisfies the demand for something truly beautiful as a graceful bird in porcelain, exquisitely colored.

Fortunately, these birds can be used successfully in a variety of places. They are as charming an addition to an 18th Century boudoir as they are a successful part in the decorating scheme of the most modern interior. They are adaptable and often lend just the note needed—that elusive something that immediately stamps a room as individual.

They cannot be used indiscriminately. The surroundings must be carefully considered, especially the background. If you are using a pair of brilliant cockatoos, do not put them against a color that does not absolutely harmonize. A dull, neutral tone will be far the best and one only has to visualize the effect against the deep green of the native haunts to realize the value of a tonal background. This was peculiarly emphasized in a country house morning room.

Against a span of casement windows placed a refectory table. There was nothing on it but a large yellow bowl with spring flowers and two porcelain pheasant salt shakers placed at the right interval on either side. The windows were open and the birds for background a green expanse of violets which deepened to almost black in the trees beyond. It was a charming picture. One entered and demonstrated the immediate value of birds in a decorating scheme, especially when placed in so natural a setting.

It is in sun rooms that they can be used perhaps the most effectively. The object of this kind of room is to bring the outdoors inside the house, and here gayly colored birds are more than decorative accessories; they are a natural part of the surroundings and may be placed on a table, or a ledge flanking a little fount, or they may rest amid a sprinkling of foliage or swing gracefully from a perch. They may be used simply as holders for trailing ferns, or in the most effective way to add grace to any scheme of decorating that is desired.

Table Decoration

It is not alone in the rooms that these porcelain birds are used successfully. In one of the loveliest sitting rooms that I know, the whole color scheme was based on the deep blue of two china cranes that stood:

Chinese blue peacocks on a strip of gold cloth and a profusion of colorful fruit make an effective table decoration. Darnley, Inc.
The soft tones of tapestry are an excellent background for the cream colored Wedgwood used here. The birds are Italian pottery and the candles orange colored. Courtesy of Damley, Inc.

on the side table flanking an alabaster urn of flowers and balanced by a pair of lovely old crystal candelabra—the whole reflected in a mirror. Another grouping consisted of an Adam console used as a serving table on which had been placed a central dish of fruit, a pair of gray-green birds that admirably matched the color of the paneling and two tall silver candlesticks.

On the dining table itself many charming groupings can be evolved with the aid of pottery birds. They can be made to harmonize with many forms of table decoration and are often just the color note needed. A pair of cream-colored birds, of that lovely shade Wedgwood discovered would be effective used in connection with some colored Venetian glass. Or four little parakeets might be arranged around a crystal vase of fragile glass

An especially graceful arrangement has been accomplished here with the aid of two little colorful parakeets

flowers, providing an ensemble individual and pictorial if frankly artificial. A pair of these birds are especially attractive used in groupings on refectory tables. Placed either side of a bowl of fruit or flowers they are usually what is needed to break the long line.

In other rooms they find many places. Often one or two tiny china birds are just the accessories needed to balance a lamp or figurine on a marquetry table, and for a mantel they are the ornaments par excel-

(Continued on page 76)

Fruits, birds and flowers combine well in any scheme of decoration. The Chinese chanticleers shown here complete an effective grouping
I WOULD like to have a vegetable knife," says a woman to the salesman.

"Yes, Madam," says he, handing her a knife.

"Thank you," says the customer, not even looking at it. Then she goes home and tries to pare a pumpkin with the dainty little flexible knife that she has bought and finds that the task is quite impossible. Why? Because she has used a knife not designed at all for anything but a potato or an apple.

Such things are very frequent because the purchaser doesn’t realize that "vegetable knife" as well as "motor car" spells many types, and that the knife is even more diversified in design than the car to meet various kinds of work. What carpenter would think of cutting across the grain with a plane meant for cutting with the grain? The carpenter realizes the range of design in his tools, however. So should it be with women if they wish to save their nerves, their hands and their time and make their food look worthy of its cost.

The average kitchen table drawer is a Reno for the knife. Instead of huddling all the knives together, give them separate compartments.

A very simple device for hanging up the larger knives is to use a narrow notched shelf above the work table, on which the knives can be suspended blade down and always within reach.

Tight springs can also be arranged to hold knives. The larger knives are kept far apart and the smaller close together.

A complete gamut of kitchen cutlery runs from a small paring knife to a broad spatula for cleaning pots and includes a variety of knives and two forks.

The background of the knife and fork is surrounded with historic significance and romance. The knife seems to be the first born of Father Cutlery and the fork a late development as a table essential; and the spoon comes so late that it isn’t even romantic.

First of all, cutlery was developed from the hunting knife in various guises. Then it became the sword of history. Not until the Middle Ages were knives used on the table, and then only one or two. Not until two or three hundred years ago were they used by each individual! And this first took place in Italy.

Ordinary cutlery was really first used in the form of the shears, very much like the shears used in the Rembrandt painting The Old Woman Cutting Her Nails.

Before steel was used, hammers, shell, then copper, bronze, tin and copper and the so-called "steel" Damascus were the materials of which the knives and swords were built.

As forks were a late development (Continued on page 90)
A gathering basket of hand-wrought tin, enameled in black with painted decoration in various designs. 14" deep. Price $14

A charming flower basket, 16" long and 12" wide. In natural wicker it is $3. It may also be had stained any color, price $3.50

TO HELP the FLOWERS
Things which may be purchased through the House & Garden Shopping Service, 29 West 44th Street, New York City.

BLOOM in the SPRING
They are practical or indispensable, or both, and should be in every flower gardener's equipment.

A serviceable gardening apron of gaily colored chintz. $3

Kneeling pad and bag of black oilcloth, with weeder, trowel and flower scissors. $3

Painted watering can in pink, blue, yellow or green. According to size, $2, $2.75, $3.50 or $4 each

For the garden lover comes this box containing four excellent plants, a dozen packets of seeds and three little luck birds. $3 is the price for the set

Garden line and reel for marking out beds and straightening edges of paths. Two sizes, $1.75 and $2.75. 100' of line, $2.50. Pruning gloves, 75c

Celluloid garden labels, $2.50 per doz. Strongly woven brown wicker basket containing all necessary tools, bundle of raffia and package of labels. $13 complete
March

THE GARDENER'S CALENDAR

Sunday

Snow-ploughing needed wherever there is
snow. A little more ground will be ploughed
now if the snow is available, as it is a good
preparation to put in the new lawns. Do not
save them any further until the ground is
frost-free, as they will break and settle.

March 60

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March 610

March 613

Spring pruning of the hardy roses should be done before growth starts

The sweet peas trench can be prepared as soon as the frost is out

The coldframe helps gain several weeks on the producing season of plants

A new double dahlia-flowered zinnia—"Swansboro"—is being introduced this season. It is to be had in many colors. Dreer

For early flowering, start antirrhinums indoors this month, as they will be in bloom early in June to as late as August.

Shells or Argus 640 crocks over I, in the pot, to prevent clog
Desiring to practise genuine thrift at home, many thoughtful people have decided that it is wiser to invest once in a Hoover than to invest repeatedly in new rugs. For this efficient cleaner saves rugs from wear by gently beating out all nap-cutting, embedded grit. It preserves rug beauty by lifting crushed nap and reviving dulled colors as it electrically sweeps up all clinging litter. It suction cleans. Only The Hoover does all these things. And it is the largest-selling electric cleaner in the world.

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For operation on farm lighting or private electric plants The Hoover is equipped with special low voltage motors at no extra cost. Write for booklet, "How to Judge an Electric Cleaner."

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The Hoover lifts the rug from the floor, like this — gently beats out its embedded grit — and so prolongs its life.
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ENJOY THE PRIDE OF POSSESSING

The Highest Class Talking Machine in the World

THE INSTRUMENT OF QUALITY

Sonora

CLEAR AS A BELL

**Random Notes in My Garden**

(Continued from page 62)

Hand in hand with the growing interest in gardening which recent years have witnessed has come a greater appreciation of the possibilities of the home orchard. Even though the planting consists of but a few trees, we have learned to look upon each limb as a source of visual pleasure as well as a producer of fruit. The saving of broken branches and the rejuvenation of sickly ones arouses in the owner of a few trees an interest which the orchardist who works on a large commercial scale often does not feel.

There are a number of causes for the breaking down of large limbs, the most common being an over-production of fruit. This must be, I think, Meretia lutea—very early; in the shadow, but not a flower in it, but grass and mounds of all shades of green appear above the fine, smoothly tiled earth. These are the first growths of all the beauties of early and midsummer in perennial flowers.

All is in low relief, but in perfect order, an order which is enchanting. It is the eighth of May; the snowdrops and the earliest species crocuses have been gathered long since, and now we search the borders and not in vain. It is the eighth of May; the first green leaf of the year is everywhere; do all gardeners rejoice as I do over the look of the garden as it is now? Not a flower in it, but grass edges have been trimmed, sod added where those edges were overwhelmed last year by the spilling over of lavender, Nepeta, Agastache and other things which do their creeping-out so softly and surely. The grass is mowed, the beds of the garden cultivated—by hand where lilies are supposed to be. Tufts and mounds of all shades of green appear above the fine, smoothly tiled earth. These are the first growths of all the beauties of early and midsummer in perennial flowers.

Simple Surgery in the Orchard

HUG FIndLAY

A bad crotch plus wind was the cause of the damage. The bark of trunk and limb had not been entirely severed.
There is only one Stutz car—its supremacy on the road and boulevard is known to all

STUTZ MOTOR CAR CO. OF AMERICA, INC., Indianapolis, U.S.A.
ECLIPSED—

Though Awarded Gold Medals and Highest Honors wherever exhibited, out of and beyond competition, MAREAN DAHLIAS do not need this visible sign of man's recognition of MERIT.

Supreme creations of a sublime flower, they will be a monument to a man's love for the Dahlia, when scores of now popular standards will be but a memory.

Merely the SURPLUS of Judge Marean's Private Collection is made available to amateurs, and exclusively through the House of Scheepers; a beautifully printed book, showing some of the magnificent flowers in natural colors and size, is ready for distribution amongst true Dahlia Hobbyists who desire the finest.

May we hope to count you among those who, this coming season, will share the delights of exclusive Dahlia connoisseurs everywhere?

JOHN SCHEEPERS, INC.
522 FIFTH AVE.
NEW YORK CITY

Simple Surgery in the Orchard

(Continued from page 64)

crotch, and the strain of severe storms.

If the limb is down, the thing that concerns us is whether to cut it off and make the tree one-sided, or try to save it by a bit of simple tree surgery. Certainly, if a little of the bark is still adhering to the limb and the parent trunk at the base of the break, there are hopes of setting the broken arm and having it continue to grow and bear fruit.

If you decide to save the limb, take a sharp chisel and cut away a little of the core wood so that the limb may be fitted back to the parent tree. The core wood should never be hollowed so that water might lodge in the cavity and cause decay.

The next step is to prune back the tip of the broken branch, cutting away almost completely the young growth and pruning out small limbs wherever possible. This will help to insure the life of the limb by cutting down the demand for moisture and food as well as lightening it so that it may be handled more easily.

All of this work should be done early in the spring, just about the time the sap begins to flow. Lift the limb into position slowly and brace it to the tree with wire. Use bits of rubber hose or auto tires to prevent the wire from cutting into the bark. If the limb is lifted into position when the bark is dry and there is much frost in the air, there is always a danger of severing this bark connection, which makes the saving of the limb almost impossible. A bolt washer at each end may be used young trees to hold the broken limb secure.

After the limb is fastened in position and its bark and that on the trunk fit perfectly, you are ready to insert the scions or live branches. Twigs used for these should always be of the previous year's growth and long enough to reach from the trunk a 2" below the base of the break to the same distance above the wounded area.

All eyes or buds of the scions must be carefully removed without injuring the bark. Then cut the scion wedge-shaped at both ends, preferably a bud because more cambium or feeding tissue is exposed at these points. Make an incision in the bark, cut through it and a little into the wood, and insert the wedge-shaped scion into the incisions so that the cambium of the scion may come in direct contact with the cambium tissue of the parent tree and limb. Be sure the scions are right end up, as they otherwise they will dry up and die.

A scion may be inserted every 2" apart. It may be advisable to drive a fine brad into the scion point of connection in order to make it firm, but great care should be exercised to prevent injury of the bark and the hammer.

The next and a most important step is to apply grafting wax at each injury point.
SOME of the letters you write will be kept and cherished. The paper they are written on is part of the record thus preserved.

Time may blur the enthusiasms your letters aroused, but the Old Hampshire Stationery on which you write will never cease to evoke a suggestion of something fine.

May we send you some free samples of the Old Hampshire letter paper and envelopes?

Fine Stationery Department
HAMPshire PAPER COMPANY
South Hadley Falls, Mass.
Makers of Old Hampshire Bond
The final touch that means longer wear

The new home of cement or stucco is not complete until Bay State Coating is applied. For Bay State turns the original dull gray color to a pure, rich white or one of many beautiful tints.

And in beautifying, Bay State Coating also protects. It sinks into the surface and literally becomes a part of the wall it covers.

Bay State waterproofs all houses of brick, cement or stucco. Dampness will not seep in. Driving rains cannot beat through it. Broiling sun or heavy snows have no effect on Bay State whatsoever.

Old houses grow young after one or two applications of Bay State Brick and Cement Coating. It forestalls repair bills. Architects and owners agree that it is the master coating.

We should like to send you a sample of white or your favorite tint. Booklet No. 2 shows many homes made beautiful with Bay State. Your request on a postal will bring you both.

Bay State Brick and Cement Coating

HOME HANGARS FOR THE PLANE OR FLYING BOAT

GEORGE W. SUTTON, Jr.

The sport of flying becomes more and more a part of our social life. The question of private hangars is getting to receive more and more attention. It is quite true that for your airplane or flying boat you need a storage space similar in many ways to the garage in which you house your automobile. But, except in very rare instances, the motor car garage is in no way adaptable to the protection of the flying craft. The airplane takes up much more room than the motor car. Spare parts, such as wings, rudders, propellers, and so forth are considerably larger than motor car parts and necessarily require greater space for storage. With the increasing problem, the housing proposition is not so serious as is the absolute requirement for a long, smooth space in which to land the machine.

More of that anon.

In the olden days of motoring it was the custom to build a garage to conform to the general design of a country house and to buy a machine to fit the garage. Now, however, in laying out an estate a man has a pretty definite idea of the car or cars he is going to possess and his garage is built accordingly. It is constructed with much thought to the storage of gasoline, oil and heavy equipment and other things which take up space and which, if left out in the open air, must be stored outside or in a leanto against the garage, an unsightly, bulky and inconvenient arrangement.

Two Kinds of Craft

There are two kinds of flying machines for our consideration. One is the motor car; the other the water craft. The person who has a home on a protected body of water has a comparatively easy problem in housing his hydro-airplane or flying boat. The question is hardly more intricate than that of providing suitable quarters for a motorboat or small yacht. The wing span of sporting airplanes and flying boats varies from 25' to 40'. The length, from front to rear is usually from 25' to 30'. The height varies from 18'. Several designers of aircraft are now building machines with folding wings in order to ameliorate the housing problem. This development, however, has not come into common usage as yet, so in any discussion of hangars we must consider only the plane or flying boat with rigid wings. In the case of the boat you need a skid or runway from the hangar direct to the water's edge; the water in which you launch your machine does not necessarily have to be deep, as the pontoons or hulls of a flying boat or hydro-airplane require only 2' to 4' draft.

In considering the height of your hangar, it should be remembered that in many times it is necessary to climb a stepladder and work on the top of the hangar. This is very important, as the materials, etc. must be inspected thoroughly before every flight.

The land plane is usually of smaller dimensions than the flying boat. The hangar space should provide for 35' to 40' wing spread. The hangar should be sliding and so constructed that when you are pushed back the front of the hangar is open. It has been found that a concrete floor with a drain in the center is the best arrangement. Since you must care for a flying machine as you would a motor car, wash it frequently with soft soap and lukewarm water, it is essential that this room be left around the machine and above it to do this work without cramping.

The danger from the exhaust gases of an airplane is greater than that from a motor car; therefore, gasoline and explosive materials should be stored underground, or at least outside and away from the garage. The fabric of the plane is combustible when exposed to a direct flame. This fabric is usually damaged by tools and other objects falling on it. A special room should be provided for the storage of these tools, of which there are two kinds. One set entailing the use of several hundred instruments is known as the 'plane or motor, an ordinary set of mechanic's tools is adequate. The workroom should be equipped with a sized work bench and lockers and cabinets for the storing of tools in an orderly manner. The workroom should be equipped with a vice, a blow-torch, or forge, for the storing of tools in an orderly manner. The workroom should be equipped with a vice, a blow-torch, or forge, for the storing of tools in an orderly manner.

Materials and Construction

The hangar must be windproof and solid. Sheet iron has been found the best good lining for airplane hangars. It is the cause of the simplicity of construction and the ease with which it can be removed. If one's hangar is near a supply landing field, with which many hangars are now equipped, the entrance to the hangar should be from a very broad roadway leading to a main road or highway. You can wheel the machine out to the flying field. If your flying field near your hangar, you can provide one with at least a 100' driveway.

The architectural design of a hangar may be any one of a number of specified types. Probably the most practical purposes is that with sides.
The wheelwright invented the Windsor chair by adding a back to the ancient Saxon stool.

DANERSK FURNITURE

There is an inherent romance about Windsor chairs that attaches to no other style or period. Originated by the wheelwrights of old Windsor in the days of Queen Elizabeth, they were an evolution of the ancient Saxon stool. The wheelwright added a comfortable back built on the principles of a wheel with spindles and a bent bow in place of the spokes and felloe. He also added a splat in the back with pierced wheel as the sign of his craft.

The Danersk Windsor Bed, Chairs and Chaise Longue are built according to the true principles of ancient handwork. The posts have long tenons that come clear through the seats and are wedged from the top. Spindles are hand-split and shaped from straight grained hickory. All turnings are made by hand and the Chests and Bureaus to go with them are of the same early period. The Windsor set is finished in rich-toned walnut or the beautiful Danersk lacquer colors. You can purchase for immediate delivery either through your decorator or dealer, or direct.

Danersk furniture is made for all the rooms of the house. The services we render in point of individual decorative schemes are without added cost. Before you purchase, send for our Danersk C-3 and visit, if possible, our display of unusual groups, finished to go with the new imported fabrics.

ERSKINE-DANFORTH CORPORATION
2 West 47th Street, New York
1st door west of 5th Avenue, 4th floor

BENGAL-ORIENTAL RUGS
World's Most Renowned Reproductions of Oriental Rugs

A fabric woven in one piece—an unbroken surface from which an unlimited number of colors could be used—has always been the dream of the master rug weaver who was striving to faithfully reproduce rugs from the Orient. The Bengal-Oriental rug bears this hallmark of the Oriental, and the greater your knowledge of rugs from the Far East the greater will be your appreciation of these splendid reproductions.

JAMES M. SHOEMAKER CO., Inc.
16-18 West 39th St., at Fifth Avenue, New York

MILCH GALLERIES
SPECIAL EXHIBITIONS OF PAINTINGS
by
ROBERT HENRI
February 28—March 19
GARI MELCHERS
March 19—April 19
"Art House," on request

88 West 57th Street
New York

Medium dark blue background, deep gold accents, pattern in many attractive, harmonious shades—Better background, mellow gold.

Send 10 cents for portfolio of color plates and your dealer's name.

The La France Red Raspberry is perfectly hardy. It has been carefully tested for years, to absolutely prove its merit.

Fruits early in July, the first season planted, and continues in fruit until frozen. Free from insects and disease. A dozen plants will supply the average family all season, year after year. Plants multiply rapidly. The bushes grow rapidly, and are covered with firm, luscious, wonderfully flavored berries, with few seeds, from July until freezing weather. The fruit is twice the size of other raspberries and of a deeper, sweeter flavor. The bushes make immense branches covered with berries are constantly ripening.

It is the best for home gardens and a great money maker for marketing. Awarded medals and certificates by leading Agricultural and Horticultural Societies, including the Massachusetts Horticultural Society, Horticultural Society of New York, The American Institute of New York, etc., etc. It pays to buy the best.

Strong, field grown, bearing plants $1.50 each, $16.00 per dozen, by prepaid parcel post.

Safe delivery guaranteed in proper time for planting if ordered now. Circulurs on request.

John D. Scheepers
522 Fifth Avenue
Cor. 44th St.
New York N. Y.

The garden path must invite the feet if it is to be a real success. Along this path of stepping stones in the Farrand garden the landscape designer and the stroller alike realize their dreams.

(Continued from page 68)

Simple Surgery in the Orchard

(Continued from page 25)

Some Gardens at Bar Harbor

(Continued on page 72)
DREER'S FAMOUS AMERICAN ASTERS

American grown Asters are one of our leading specialties and our list of over sixty varieties and colors comprises only such sorts as can be planted with perfect confidence that nothing better can be procured, no matter at what price or from what source.

For general use we particularly recommend our Superb Late Branching variety which we can supply in eight distinct beautiful colors. Price, 10c per packet or a packet each of the eight colors for 60c, also in mixture 10c per packet, 50c per one-quarter ounce.

Eight pages of our Garden Book for 1921 are given to the description and illustration of Asters, with cultural directions. It also offers a complete list of other Flower Seeds, Vegetable Seeds, Lawn Grass and Hay, Ornamental Seeds, Plants of all kinds, including the newest Roses, Dahlias, Hardy Perennials, etc.

A copy of DREER'S GARDEN BOOK FOR 1921 will be mailed free if you mention this publication.

Henry A. Dreer,
Are the product of generations of careful selection, scientific propagation and testing for Germination, Purity and Vitality. This assures a certainty of results not possible with seeds of less definite parentage.

For better vegetables—for fine and FREE flowering plants, sow CARTERS TESTED SEEDS

They cost no more than the ordinary kind, and results considered, are the most economical and profitable to use.

Cultivated Grass Seed sold in one and five pound packages. Used in producing quality turf on the foremost Golf Courses of America and England.

Price 55c per pound
By the Bushel (25 lbs.) $8.50

CARTERS 1921 CATALOGUE "GARDEN AND LAWN" MAILED ON REQUEST

How To Make Livable Rooms of Green

nily accepting these tributes uplifted to its pale glory. So, too, might the green room be . . .

But leading to the accomplishment of any task there is a slow path of patient plodding; the honest study and experiment of effects, the welding of transforming paint brushes, the picking of the needle as the thread of the shining amber wool slides vividly between its fellows of green; there is the contemplation of texture and its effect in this color; the importance of the decorative breaking up of surfaces, the peeping of flowers, the judicious placing of delicate green tones charmingly against somber gray ones; the tall slender grace of green furniture.

To know how to accomplish a really successful green room is to know and appreciate color and form, plus acquiring the ability to capture a certain sly beauty, perpetuating its charm without losing its fresh sweetness. This may not be accomplished by sheer expense of materials, neither by brilliant expanses of color: such effects are too clearly not to be bought by the yard. This we know intuitively, but never do we realize it so poignantly as when we stand, as I did just lately, in the room fairly reeking with rich unctuousness—nothing but green. The floor was covered with a thick-piled, moss-green carpet,—nothing but moss-green in shadow, but the insistent-ly brilliant tone of a mossy stream-bank momentarily caught by the sun; that is beautiful in Nature because of its rarity and briefness, but when it is deadly spread all over a floor in a still fixed stare. By the bushel is permitted one to glance painfully at the rest of the horror: the rich cream of delicate green tones charmingly against somber gray ones; the tall slender grace of green furniture.

Evidence of the success met by flowers under cultivation at Bar Harbor is given by these plants of native Solomon's seal which are far larger than others growing in the wild state.
Sparkling Soft Water from Every Faucet

Clear, clean, drinkable water that is actually softer than rain, can be had from every faucet in your house.

No tanks or cisterns to build, no pumps, no motors to buy—just a simple, clean, compact apparatus that connects anywhere in your piping system and miraculously turns the hardest water supply into delightfully soft water. There are no chemicals added to the water, no muss, no bother.

Permutit is a material that looks something like sand and possesses the remarkable property of taking all the hardness out of any water that passes through it.

It is stored in a metal shell connected into your water supply line and about once a week you wash out the accumulated hardness with a brine made up from a small amount of ordinary salt. The salt cost does not exceed a few cents a day and that is absolutely all the running expense there is.

Permutit has been used for years to remove all hardness from the water supply in textile mills, dyeing plants, canning factories, hospitals, residences and places where exact, dependable results are imperative. Thousands are now in daily use, and you too can have wonderful, sparkling soft water in your home no matter how hard your present supply.

Write us for booklet Soft Water in Every Home

The unsurpassed quality and convenience of West Bend aluminum kitchen utensils wins enthusiastic praise from appreciative housewives everywhere.

The West Bend percolator embodies many of the unique and exclusive features of the West Bend line, such as superlative beauty of design, extra strength of spout and handle, every piece stamped out of a solid sheet of aluminum 99% pure. No seams, joints, crevices or inside corners. Cleaning made easy. A hot well in the base starts percolation instantly. A spreader upon which the water falls and is evenly distributed over the coffee grounds insures perfect percolation of all the coffee. Automatic valve in spout makes percolation continuous and even. These features are found only in West Bend percolators.

Our original "Sun Ray" inside finish gives West Bend ware the lasting brilliance of sterling silver. Very beautiful and easier to keep clean than ordinary finishes.

Ask your dealer for West Bend aluminum ware. If he cannot supply you, write us giving his name, and we will see that you are supplied.

Send for "Kitchen Kraft," a booklet telling how to use and care for aluminum, and illustrating many of the 200 aluminum utensils which make up the West Bend line.

WEST BEND ALUMINUM CO.
Dept. K
West Bend, Wis.

The Permutit Company
440 Fourth Ave. New York
Luxurious Bathing

What is more luxurious than the delightful and invigorating effect of the needle and shower bath? It appeals to the women as well as to men, who as a rule have always preferred it to the bath tub. The Raynor needle and shower is equipped with that wonderful little instrument, the Leonard Thermostatic Mixing Valve, which insures absolute safety and comfort. Adjustable rose sprays, with their refined appearance due to a minimum of brasswork, make it unnecessary to wet the head unless desired. The glass door eliminates the soggy curtain and is in itself a thing of beauty. The expense also is not so great as for the old ring type needle. Visit our showroom in your vicinity for a demonstration.

Send for our latest Bathroom Book. It is just off the press and gives many valuable suggestions in the selection of plumbing equipment for the home in addition to various designs and color schemes in tile, especially prepared by our Tile Department. Write today. Address Department A.

The J. L. MOTT IRON WORKS, Trenton, N. J.
New York, Fifth Avenue and Seventeenth Street

8 ounces steam pressure will heat your house

You can get more heating comfort per ton of coal, with steam at lower pressure—if you put in a two-pipe Dunham system.

The secret of the Dunham system is the Dunham Radiator Trap—a thermostatic device which automatically removes the trouble-making air and water from each radiator. These obstacles removed, the steam finds no difficulty in noiselessly reaching every coil of every radiator.

The Dunham Heating Service

The Trap is only one unit in Dunham Heating Service—a service which begins by cooperating with your architect and never ends until you are fully satisfied with the job.

State what kind of a house you want to Dunhamize: whether it is a new house or whether you want your old steam heating system made over into an efficient Dunham system.

C. A. DUNHAM CO., Fisher Building, CHICAGO
Factories: Marshalltown, Iowa
52 Branch and Local Sales Offices
in United States and Canada
Paris: Establis, Munzing & Cie., 47 Rue de la Fontaine-au-Roi
TEPECO Water Closets for Every Place and Purse

PEOPLE are glad to visit homes where their finer sensibilities are considered and where they are not embarrassed by noise escaping from the bathroom when the closet is flushed. Point for point, the Silent Si-wel-clo surpasses the best louder-flushing toilets made, for, besides its quiet operation, the Si-wel-clo is unequalled in appearance and sanitary qualifications.

We assume that everyone’s natural inclination would be to install the Silent Si-wel-clo in their house. Unfortunately, we cannot manufacture this toilet at a price within the means of everybody. But we always have made other closets. “Why not,” thought we a couple of years ago, “perfect one closet of each type as it has never been perfected before, so that people who cannot afford a Si-wel-clo can be assured of getting the best value for their money.”

So we have named each one of them, priced them F. O. B. Trenton, and have placed them in the hands of the plumbing contractors awaiting your call. We lay no claim to attempting to turn out cheap water-closet combinations, but we do say that they are the nearest thing to “no-trouble” you can buy, and you will find a reputable manufacturer in back of them.

BOOKLETS—So that you may learn why some closets cost more than others we have prepared booklets showing the difference between the types. We want you to read for them, also for our bathroom plan book—“Bathrooms of Character,” Edition II.

The Trenton Potteries Company
TRENTON, NEW JERSEY, U. S. A.

Sold by
Retail Lumber Dealers

TOGAN GARAGES

Some people buy Togan Garages because they are good looking. Because they are well designed

Then again others buy them because they are inexpensive. The Togan way of building at the factory makes possible a greater value. More for your money

And many more prefer Togan Garages because you buy them as you buy furniture; complete, ready to use. You select one the same way. When you find what you want, you order it delivered— the job is guaranteed

A portfolio showing nine of the most popular Togan models will be sent you on request.

TOGAN-STILES
1612 Eastern Avenue
GRAND RAPIDS, MICH.
HOMES that people admire don't "just happen." You will usually find that every detail is the result of careful planning.

Take hardware for example. Some folks consider "door-knobs" a mere incident in building a house. Others realize that the hardware can also add a touch of genuine beauty—they choose Sargent.

Sargent Hardware is made in designs to harmonize perfectly with the architectural and decorative scheme of your home. Sargent locks give the kind of security that is so certain that you cease to think about it.

Write for the Sargent Book of Designs to discuss with your architect.

SARGENT & COMPANY
Hardware Manufacturers
31 Water Street New Haven, Conn.

Protection your home throughout
Inside as well as outside doors should be equipped with Sargent Day and Night Latches. Linen closets, clothes closets, cellar, attic and other doors should be protected to make the security of your home complete.

Sargent
LOCKS AND HARDWARE

The Decorative Quality of Pottery Birds

(Continued from page 57)

Pottery birds are especially effective as mantel decorations. Here cream white parrots balance a bowl of trailing ivy

Experiences With Dahlias

(Continued from page 44)

little short of that but are yet worthy associates, differing only as great ability differs from genius. These all have been growing only for their effect in my ornamental gardens side by side with the whole range of other effective flowers.

I do not plant my dahlias in rows; I group them with other flowers and they lend themselves admirably to this decorative effect. Some of them are at their best early in the season; others are at the zenith of their perfection late in September, standing defiantly and boldly, flamboyant and dashing, replete with evidence of their fiery Spanish ancestry, challenging with their might and beauty the expected season which will destroy them.

My gardens are terraced; in certain parts there is a considerable slope and always a wash, and there my dahlias seem to display themselves in their greatest splendor, which would prove my contention that no artificial or chemical fertilizer is required to produce fine plants and flowers. I immediately discard any variety showing the least sign of weakness. They must have bright colors, must be fine of form and distinct merit, or they do not long remain in my garden.

A dahlia of large size, provide

(Continued on page 78)
Ask Your Doctor About This

Do you know why there is so much more illness in winter than in summer? Not because of the strain put upon the vitality during the cold months, but largely because of the lack of fresh air, the cheapest thing in the world, the most essential—and the most neglected.

Your house may be comfortably warm, but unless there is a constant and sufficient supply of fresh air, your health must suffer, and with it your mental and physical efficiency.

The Kelsey Warm Air Generator supplies ample heat, easily regulated (warm rooms for the old folks and cooler for the young), and with it an abundance of fresh, humidified air—and uses less coal than any other system we know of.

If you are building a new home, or if your present heating apparatus needs renewing, consider the matter from the standpoint of health. We shall be glad to talk or correspond with you about it and to give you full information.

Dodson Bird Houses
scientifically built by Mr. Dodson, who has spent a lifetime in studying the birds, their habits and how to attract them to beautiful "Bird Lodge", his home and bird sanctuary on the Kankakee River, should be Erected Now

The first of the feathered travelers are beginning to arrive, and the Dodson House means "home" to them. They will immediately occupy them, and not only stay with you, but attract their fellow songsters as they return from their migration.

Don't delay. Erect the Dodson Houses now and let them weather and blend in with the general surroundings. They will keep the birds with you all summer to protect your trees, shrubs, flowers, and gardens, and cheer you with their beauty and song.

Order Now quest, illustrating Dodson Line, giving prices; FREE also beautiful colored bird picture worthy of framing.

Joseph H. Dodson
President American Audubon Society
731 Harrison Avenue
Kankakee, Illinois

Dodson Sparrow Trap guaranteed to rid your community of those quarrelsome pests, price $8.00.

New York Office Boston (S) Office
103-K
P. O. Sq. Bldg.
Park Avenue
237 James Street, Syracuse, N. Y.
You Naturally Expect a Jewett In Such Homes

In America's finest homes—where quality is considered before cost, you invariably find Jewett Refrigerators. On the left are a few names from the long and ever-growing list of distinguished Americans who have selected the Jewett because they appreciate its preeminent merit.

The fascination of all real craft products lies in their emancipation from restrictions. If a material is the finest the world produces, it is used irrespective of cost. If a process makes possible greater refinements, it is employed so matter how laborious. This infinite attention to detail results from a refrigerator. Our little book—butler or maid in ten knows how to secure the utmost in cultivating the Inner Eye that made it successful gathered within the patriarchal precincts. An achievement. And so, dear reader, there is no facility in cultivating the Inner Eye, nothing hopeless in the thought of setting it to work. What one cannot acquire from the cold outside world does many a time await the home explorer. At any rate if you can be convinced that this is worth believing, you will, perhaps, not think it entirely a waste of time to give further perusal to these paragraphs.

The Fair of Old Plate

The troublesome times which have attended Ireland's progress have been the cause of the rarity of early silver by the Irish. Again, in the truce of 1625, many thousands of Irish goldsmiths and silversmiths, organization, or guild, corresponding to the famous Worshipful Goldsmiths of London. The origin of articles of incorporation of the Dublin company, granted in letters-patent in 1628, is worth believing, you will, perhaps, not think it entirely a waste of time to give further perusal to these paragraphs.

The nervous system is the first sensitive to the loss of pieces between 1701-1705. Butter, gaps in letters which appear beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. Then tend beyond the letter C. 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Bird Baths

are a source of endless pleasure. The birds they attract to your garden bring life, color and delightful entertainment.

Erkins Bird Baths

are to be had in a variety of distinctive designs, and are rendered in Pompeian Stone, a marble-like composition that is practically everlasting.

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**GIVES ENDURING CHARM**

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Galloway Pottery is strong and durable Terra Cotta usually made in Light Stony Gray, a finish harmonious in all surroundings. Red, buff and other colors will be made on order.

*Our collection includes reproductions from the antique and many beautiful Bird baths, Fonts, Fountains, Vases, Flower pots, Bonns, Forgeries, Sun dials, Gazing globes and Benches.*

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**CREO-DIPT COMPANY, Inc.**

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**WHITE COCK WEATHER VANE**

A WEATHER VANE imparts a touch of rare individuality to private estate, kennel or country club.

This is an especially attractive subject—a jaunty white cock with his red wattles and proud eye seeming to bid defiance to all the world.

Made of Auto Steel, weighted to balance perfectly. Paint raised to look like feathers, and so varnished as to make it weatherproof.

Cock is life size and in natural colors. Arrow, stand, etc., in green.

Sent carefully packed on receipt of price, $23.50

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Rich in the chase beauty, delicacy of design and color for which the Brothers Adams were famed, this cabinet would add a touch of grace and charm to any home.

An Elgin A. Simonds Company product, created with painstaking fidelity to period by highly skilled craftsmen.

At the good furniture shops.

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Steel Flower and Plant Box

For Windows, Porches, Sun parlors

MOVE SAVO BOXES INDOORS OR OUT AND HAVE BEAUTIFUL FLOWERS THE YEAR ROUND

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China-smooth. Immaculate. No wonder the enameled wall surfaces, seemingly so delicate, inspire the little mischiefs with fear of defacement. In fact, enamel is the decoration of utmost durability. Banzai Enamel, white or exquisitely tinted, is the decoration of superb distinction, optimism, and long-term economy.

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THE "TUDOR"
Design 1963—in Twin Pair
Inspired by the work of the master designers in the reign of Queen Elizabeth.
Note the Simmons Corner Locks—firm, foursquare, noiseless.
The Square Steel Tubing—an exclusive Simmons Specialty, seamless and smooth.
And the charming Period Design—enameled in the accepted Decorative Colors.
Specially pleasing in Twin Pair.
Also Simmons Cribs and Day Beds—and Simmons Springs, in every way worthy to go with Simmons Beds.

One Sleeps So Much Better

RESTFUL sleep depends very largely on inducing every nerve and muscle to relax.

Get Simmons Beds in place of your creaky old beds. It will make all the difference in the world!

Simmons Beds are noiseless, firm and steady—designed and produced by the recognized authority on beds built for sleep.

Nearly everyone these days is putting Twin Beds into rooms shared by two persons. One sleeper does not disturb the other, or communicate colds or other infections.

Now, if your dealer cannot show you these fine Simmons Beds, you need only write to us. We will see that they are shown to you—Simmons Metal Beds, Cribs, Day Beds; and Simmons Springs, in every way worthy to go with Simmons Beds.

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Built for Sleep
Electricity and Coal in One Range

Almost instant heat at the turn of a switch. Absolute cleanliness without smoke, soot or ashes. Such are the advantages of cooking by electricity in this Deane French Range.

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A folder featuring this range and "The Heart of the Home," our portfolio of modern kitchen installations, awaits your request. Send for them.

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Foremost in making the bathroom safe for health

JUST as Thomas Maddock fixtures assure the utmost in sanitation for large installations, so does the Maderia-Silent Closet, shown above, provide the highest degree of health protection for the home.

This closet has sanitary features that insure a maximum in health protection with a minimum of cleaning. And, because of its structural design, it is silent in action—the sound of flushing cannot be heard beyond bathroom walls.

Like all Thomas Maddock fixtures, this closet is made entirely of glistening, pure white, almost unbreakable vitreous china—a material that is always associated with the highest ideals in the manufacture of sanitary equipment.

If you are interested in equipping a new home or in remodeling an old bathroom, write for our booklet, “Bathroom Individuality.”

The Old Silver of Erin

(Continued from page 78)

nia antedated the grant of the Scotch Thistle standard mark by some twenty-nine years.

Hibernia was added to the Harp and Letter marks to denote a tax on silver of 6d. per ounce, and the King's Head mark as an additional tax of 6d. per ounce. These two duty marks were not removed until 1690, when silver duties were withdrawn. When the tax of 1687 was imposed, no allowance was made for the earlier tax whose payment was indicated by the stamping of the Hibernia mark, and so the Hibernia punch was disregarded although we find it with the King’s Head mark accompanying it.

It is not the writer’s intention here to go into the intricacies of the multitude of marks on Irish silver, but it may be added that for about a hundred and fifty years from the establishment of the Goldsmiths Company of Dublin the excise on the crowned harp punchmark remained practically the same. There were different forms of the crown from 1700 to 1785, and then from 1785 till 1872 an oval was adopted for the crowned harp, from 1772 till 1800 giving place again to an oblong escutcheon with sharp right-angle corners. Thence onward the shield was adopted little though sometimes it exhibited rounded and again clipped corners. The same styles were followed for the excise marks of the Hibernia mark.

While the Dublin company controlled the Irish silver manufacturers, a goldsmiths company was formed in Cork as early as 1656, adopting as its distinguishing mark a large galleon and a single castle, both within escutcheons following the outlines of their emblems. Makers’ initials were added, and at a later period the word Sterling sometimes also appeared. There were also other silver centers in Ireland, notably those of Youghal and of Limerick, but local marks upon these pieces are to be seen only occasionally.
Plans for the New Home

There is no equipment that will so perfectly insure comfort, convenience and economy in your new home as the Minneapolis Heat Regulator. "The Heart of the Heating Plant" automatically regulates the drafts and dampers of any style of heating plant burning coal, gas or oil. It has maintained even temperatures and saved fuel in thousands of homes for 36 years—lasts a lifetime. Write for booklet giving complete information.

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CASSIDY STANDS FOR THE FINEST IN LIGHTING FIXTURES

A reproduction of an old Georgian candle sconce silver with brass trim. Price $7.50.

The comfort and attractiveness of your home depends upon its correct illumination. A Cassidy fixture adds distinction to an uninteresting room. Inspect our many interesting galleries and study our fixtures designed by Cassidy artisans from models from many of the Historical Epochs.

Cassidy Company
103 Park Avenue at 40th Street
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The Greenhouse Knows No Seasons

"Ah, March! We know thou art Kind-hearted, spite of ugly looks and threats, And, out of sight, art nursing April's violet." —Helen Hunt Jackson.

With a greenhouse, though it be March out-of-doors, it may be June within; it may be any month you like, so far as your flowers are concerned. A good greenhouse gives the seasons into your own hands, to do with as you will.

And the V-Bar is a good greenhouse. Both owners and gardeners tell us so; and we admit it, because we know how it is built.

We should like to talk with you about building your greenhouse, designing and placing it so that it will merge harmoniously with its surroundings.

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The bath room may be made in harmony with the apartments surrounding it by a judicious use of Rockwood Tiles. Rockwood Pottery has a high decorative value and the cost is moderate.

THE ROCKWOOD POTTERY COMPANY
CINCINNATI, OHIO

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THE ROCKWOOD POTTERY COMPANY
CINCINNATI, OHIO
Plan Now to Give Your Lawn Better Care

NOW is a good time to begin laying your plans for the care of your lawn. Do a little investigating in advance; find out for your own satisfaction just what benefits you could derive by using the Ideal Power Lawn Mower to care for your lawn.

You will find that the Ideal is a splendid machine to have ready at the very beginning of the grass cutting season, when sufficient rolling and frequent cutting are so vital to the health and vitality of the grass.

For the Ideal gives you in one machine a power mower and a power roller. You have a machine with which one man can cut larger areas of grass without effort and at small cost. And the problem of keeping the work well relieved as immediately solved.

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Ideal Power Lawn Mowers are used on private estates, golf courses, polo grounds, college grounds, cemeteries, school grounds, hospital grounds, municipal parks, ball parks, etc. Here are just a few names from the thousands of Ideal users: Edsel Ford, Detroit; Lehman Bros., New York; Bethlehem, Pa.; H. H. Judson, Canton; Ohio; Bausch & Lomb Optical Co., Rochester; Geo. W. Perkins, Riverdale, N. Y.; C. H. Crumley, Denver, Colo.

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Grapevines are delightful climbers, with glossy leaves and fragrant white blossoms. They can be trained on arbors and trellises. Roses used in this way are not only hardier but more productive of flowers.

Rosaries, the L. H. Hooper Company.

How to Make Livable Rooms of Green

(Continued from page 82)

 associates painted surfaces with green, soft, smooth-finished light weight materials, such as linens, taffetas, pongees, rarely anything heavier than a velvet- or woolen-type material, except in rare tones, the leaf greens, jades, apple greens and pickle greens, with occasionally a dull olive and sage. One relieves green surfaces with adorable splashes of rose and yellow. The black, gold and silver: one weaves in the story of green the joy of living, the power of new growth. Meanwhile with this principle is the bedroom furnished in green: the walls are oyster white, the floor mauve, formal istones darker than the furniture, which is also of this color but heavily trimmed with black and jade green; the interior of the chest drawers are bright jade color; the mirror gold framed. The book rack is of green, black and lavender, the bedspread of doll jade green tafta quilted in mauve, the crotone window drapes are predominately green, mauve and rose. Rose is another delightful color with which to combine green, but one must avoid the pink and green idea of old-fashioned brothel; the rose should be surrounding areas of white, cream, or pale pink. There must be some contrast of light and a few notes of yellow do but enhance the scheme. Silver and pale gold blend better with green than do brass, or copper.

If green is handled lightly and delicately, there is no room in which it may not be used, if desired. Olive green woodwork and a touch of yellow curtains make a charming kitchen; green furniture and a sprigged chintz delight the kids; the nursery; in the dining room, refreshing, in the living room it is full, in the hall it is calm and soft. One can use these shades and colors and make superabundances and invariability to select for its interior decoration of texture and shadings of line.

Rejuvenating A Grapevine

GRAPEVINE is one of the very few forms of vegetable life which will immediately and satisfactorily respond to a little attention on the part of the gardener, even if this attention is not given until the vine has shown actual signs of decay. In this respect a grapevine is unusual; and I should say that the powers of rejuvenation then demand on the wonderful. What tree, for example, if cut off short to the ground, will grow in a new tree that is as old, and as heavy a bearer of fruit? Yet the grapevine will do this.

Often, after a vine has been for a dozen years, and is full of old, hard wood, the thing to do is to cut it off a few inches above the ground, and then take care of one or two of the finest shoots that are sure to appear from the stump. But there is another method, which is less drastic and which does not rob the grower of a season or two of the vine's bearing. I mean the rejuvenating process, which can be applied to any vine anywhere. And this process should be applied every three or four years to any vine, so that the forces of nature will not have an opportunity to do it for you in the bedroom it is full of personal only thing one must do, however, obtain these results is to apprize color from the proper angle, means to surround it with a note tone, to combine it with the flowers and seizes masses of light and invariability to select for its interior decoration of texture and shadings of line.
Be Prepared For
The Spring Drive

We mean the spring drive of the peaceful, industrious lovers of nature who rob none yet enrich themselves and their communities by every delicious morsel of food or delightful flower they help into being in field or garden.

You will be prepared, if you get our FREE GARDEN BOOK FOR 1921, a complete guide to quality seeds, their culture and worth-while garden requisites.

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Complete Service and Quality since 1877.

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For over twenty-eight years B. F. Barr & Company have been transforming bare grounds and monotonous lawns into magic carpets of shimmering color. Their landscape Architectural Division employs the same skill in beautifying your grounds with a harmony of plants and trees, as does the interior decorator in furnishing the inside of your home.

Cottage and lawn, mansion and estate, whatever yours may be—our Architects invite your correspondence. They will be guided by your individual taste in their suggestions and plans. Write them today—also ask for our illustrated catalog. We will send it by return mail.

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IT KILLS ROSE BUGS
Protect Your Roses by Killing the Bugs with MELROLINE
Sold by Seedsmen and Nurserymen
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MOTOR DRIVEN ACRE MOWER
Does the Work of 4 to 5 Men

THE 4-Acre Power Mower is sturdy, compact and exceedingly simple to operate. It has a cutting capacity of four to five acres a day. Fuel costs less than 40 cents a day.

A powerful air-cooled motor of special design, gives a speed of 2½ to 3½ miles an hour. Traction power always under control from steering handle. Miniature differential simplifies steering. Makes backing and twisting unnecessary in close quarters. Runs in a circle as easily as straight away.

Independent clutch automatically stops cutting reel and prevents breakage in case of obstruction. Light weight (180 pounds) on roller is sufficient to smooth lawn without excessive packing. Metal enclosed driving gears and muffled exhaust make operation practically noiseless.

Surprisingly reasonable in price. Write for catalog and complete information.

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Racine, Wis.
Send Post Card for catalogue to-day

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The Ideal Peony Flowered Dahlia

The most exquisitely formed center. Absolutely perfect—the photo speaks for itself. No collection is complete without it.

Our new catalogue: "THE WORLD'S BEST DAHLIAS," not only reproduces this superb new dahlia, and "Golden West Cactus" in natural colors; but tells the plain truth about the world's new, rare and standard varieties, including TEN WONDERFUL CREATIONS, NOW OFFERED FOR THE FIRST TIME. The leading Dahlia catalogue. FREE.

If you have not received a copy, write to-day. A post card, with your name and address will bring you copy by return mail.

PEACOCK DAHLIA FARMS
BERLIN NEW JERSEY

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Burpee's Sweet Pea seed is grown on Burpee's Floradale Farm in California. To introduce Burpee Sweet Peas to new customers we have prepared the special Floradale Collection, listed below—

**Floradale Collection for 25c**
- Floradale Fairy—rich cream.
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- Fiery Cross—orange scarlet.
- Cherub—cream edged with rose.
- Margaret Atlee—rich glowing pink.

This Floradale Collection of Sweet Peas is worth 60c but it will be mailed to your door, postpaid, for 25c. We want you to grow Burpee's Sweet Peas. Send a quarter today and the Floradale Collection will come to your door by return mail.

Burpee's Annual, the leading American Seed Catalog, will be mailed to you free. Write for your copy today.

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Nurserymen and Florists
RUTHERFORD NEW JERSEY

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Probably every true gardener knows Kunderd's specialty by this time, but not all of them know that his 1921 offerings include eighty new Gladioli never before introduced. These new sorts are entirely distinct in type and coloring, and you should not fail to have some of them to embellish your garden for 1921.

Kunderd's 1921 Catalog describes these new introductions and illustrates many of them, eight in natural colors. It includes 44 pages of descriptions and cultural directions; truly a most welcome aid to anyone who likes flowers. Copies are free while they last; send now if you wish one.

A. E. Kunderd
The Originator of the "Ruffled Gladioli".
Box 2, Goshen, Indiana, U.S.A.
Our Large-Size Trees
Add Immediate Value

WHEN you make your home more attractive you also increase its market value. Harrison's Large-Size Shade Trees and Evergreens add many times their cost to the immediate value of your home. No years of tedious waiting for results.

Just now we offer thousands of magnificent specimens at prices within easy reach of any House & Garden reader.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Size</th>
<th>Price Ea.</th>
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<tbody>
<tr>
<td>Norway Maple</td>
<td>2 to 3 ft.</td>
<td>$7.50</td>
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<tr>
<td>Oriental Plane</td>
<td>2 to 3 ft.</td>
<td>$5.00</td>
</tr>
<tr>
<td>Carolina Poplar</td>
<td>10 to 12 ft.</td>
<td>$1.00</td>
</tr>
<tr>
<td>Lombardy Poplar</td>
<td>14 to 16 ft.</td>
<td>$2.50</td>
</tr>
<tr>
<td>American Arbor</td>
<td>16 to 20 ft.</td>
<td>$5.00</td>
</tr>
<tr>
<td>Blue Virginia Cedar</td>
<td>10 to 16 ft</td>
<td>$6.00</td>
</tr>
<tr>
<td>Canadian Hemlock</td>
<td>6 to 7 ft.</td>
<td>$6.00</td>
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<td>Plume-like</td>
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<tr>
<td>Retempera</td>
<td>7 to 8 ft.</td>
<td>$7.00</td>
</tr>
<tr>
<td>Koster's Blue Spruce</td>
<td>7 to 9 ft</td>
<td>$14.00</td>
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Write for free Planting Guide and complete list of nursery stock including Shrubbery, Fruit Trees and Small Fruits. Get the benefit of our thirty-five year's experience.

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Beautiful Gardens

WAGNER Nurseries make it possible for you to have exactly the kind of a garden you want— at a very reasonable cost. In addition to offering you a most charming assortment of roses and hardy flowers, vines, shrubs, evergreens, and ornamental trees, we also offer a most reliable Landscape Gardening Service. You can avail yourself of this service by mail if you wish.

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THE WONDERFUL NEW DAHLIA

"Patrick O'Mara"

The sensation of the New York Show of the American Dahlia Society. Featured and praised alike by the daily papers and the horticultural journals.


The flowers are 8 inches or more in diameter, borne on long, strong, erect stems, the clusters of as many as 80ft and splendid of orange-lilac. The flowers are full to the center and are exceptionally hardy. This wonderful variety, which will be found accurately listed in the Seventh Edition of the American Horticultural Journal, will be distributed promiscuously, but will be sent on receipt of $1, which may be deducted from the first order amounting to $10 for plants, trees, or shrubs.

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For Spring Beauty

Philadelphia. New large flowering varieties, including Nones, Barbers, Albizes, Rome; also the dwarfs, Gerbe d'Argent and Boule d'Argent.

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"Patrick O'Mara"

The sensation of the New York Show of the American Dahlia Society. Featured and praised alike by the daily papers and the horticultural journals.


The flowers are 8 inches or more in diameter, borne on long, strong, erect stems, the clusters of as many as 80ft and splendid of orange-lilac. The flowers are full to the center and are exceptionally hardy. This wonderful variety, which will be found accurately listed in the Seventh Edition of the American Horticultural Journal, will be distributed promiscuously, but will be sent on receipt of $1, which may be deducted from the first order amounting to $10 for plants, trees, or shrubs.

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For Spring Beauty

Philadelphia. New large flowering varieties, including Nones, Barbers, Albizes, Rome; also the dwarfs, Gerbe d'Argent and Boule d'Argent.

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"Largest Growers of Fruit Trees in the World"

THE WONDERFUL NEW DAHLIA

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"Largest Growers of Fruit Trees in the World"
Your own vegetables for winter and summer

Do you realize that a home garden of moderate size will yield delicious vegetables all through the growing season and enough beside to store away or preserve in jars for winter use? You not only save money, but have a supply of superior garden produce throughout the year.

To get such good results from your garden, you must cultivate well and often. Planter Jr. Implements make the work easy. They break the soil thoroughly, thus ensuring a time, with so little labor that a few minutes a day will keep the ground in perfect condition.

Use of three pieces of glass, one across the stem, a second one on the face, slightly deeper than the first, and a third one on the top, and two on the face, slightly deeper, but never more than one-third coarse sand if possible, to overlapped in the center, all of them about 2" larger than the area to be covered. This overlap facilitates hoing and also gives some air circulation and prevents damping off of even one seedling, if really good results are to be obtained and there is hardly a day, except in winter and early spring, when it can be practiced.

To enhance the chances of a successful planting, even the middle of February has been used too soon, unless one enjoys the prospect of paying fifty, sixty, or seventy-five cents a dozen in May for greenhouse produce.

Another condition which must be met if really good results are to be obtained is that the growth of the young plants be continuous and rapid as possible. For those who have a greenhouse or conservatory this condition presents no difficulties, and the problem is quickly solved for those who can have a succession of hot-beds, but the simple little contrivance shown here will solve it also for the man who has an ordinary sunny window in an ordinary everyday room. It may be put into operation any time from the Lincoln anniversary, if one is particularly patriotic and impatient. If it is placed in the sunny window in an ordinary everyday room. It may be put into operation any time from the Lincoln anniversary, if one is particularly patriotic and impatient. If it is then supplemented by one hot-bed, made up the last of March or the first of April, in which the seedlings, already well started, may be forced for five or six weeks, so much the better—if not, very good results may still be realized by transplanting into larger pots and richer earth as fast as possible.

The size of the box will be determined by the amount to be grown in it, the principle of light and ventilation being the same in all cases. Cure must be taken, however, to allow plenty of room for the growth of the plants. Fig. I shows the solid end with forcing strips (a-b) and the narrow extension in front (c) on which the slanted glass rests. In Fig. II the division of the glass is illustrated by the dotted line, with the glass cut into a triangle of sun-light in a nearly direct line. The question of ventilation is very important, but can be readily taken care of by the use of three pieces of glass, one across the top, and two on the face, slightly overlapped in the center, all of them about 2" larger than the area to be covered. This overlap facilitates hoing and also gives some air circulation and prevents damping off of even one seedling, if really good results are to be obtained and there is hardly a day, except in winter and early spring, when it can be practiced.

A WINDOW FORCING-BOX

"EARLY" is a word to conjure with in the vocabulary of the garden enthusiast, that means, early peas triumphantly served at least twenty-four hours ahead of the man across the street. But to realize those hopes in the case of those vegetables which are "set out" one must do some very early planting, even the middle of February being too soon, unless one enjoys the prospect of paying fifty, sixty, or seventy-five cents a dozen in May for greenhouse produce.

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To get such good results from your garden, you must cultivate well and often. Planter Jr. Implements make the work easy. They break the soil thoroughly, thus ensuring...
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18 to 24 Inches High $5.00

Selection includes One White Spruce, Two Douglas Fir, Two Arborvitae and One Juniper,—the "just right" evergreens for planting around the house. All are of regular Little Tree Farms quality with the best of tops and big, healthy roots.

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These samples will show you better than words can express, what quality of stock you can secure from us at a very reasonable price.

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Beautifully illustrated. Containing new ideas of landscape decoration and just what you want to know about trees and shrubs—their planting and care. Used as a reference work. Listed in U. S. Dept. of Agriculture library.

**Hicks Nurseries**

Westbury, L.I., New York

**RARELY** are flowers of the highest merit the most easily grown and surest of success. But such is the case with the gladiolus. If there is room for but a single flower in the garden, it should be this.

As a cut flower it is supreme. Its spikes, frequently bearing twenty buds, if cut as the lowest opens and placed in water, will keep fresh until all open. A planting of bulbs, dug each fall and carefully stored, will constantly increase.

Our fields of gladioli in Michigan and Illinois cover hundreds of acres. They include all the finest varieties, many originated by us, with a wonderful range of colors in innumerable combinations, and giant blossoms of all the beautiful types.

**Our RAINBOW MIXTURE,** all large bulbs, 1 1/2 to 1 1/2 inches in diameter, prepaid to 600 miles from Chicago or New York.

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<tr>
<td>EI—20 best kinds, each different</td>
<td>$1.00</td>
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<tr>
<td>ES—2 sets of EI (40 bulbs)</td>
<td>2.50</td>
</tr>
<tr>
<td>ES—125 bulbs, 30 kinds</td>
<td>5.00</td>
</tr>
<tr>
<td>E4—Homewood mixture, 10 medium bulbs, but all bloomers, not less than 5 colors</td>
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If you live more than 600 miles from Chicago or New York ADD 10 CENTS FOR EACH DOLLAR's worth ordered.

**FAVORITE GLADIOLI**

All large bulbs, 1 1/2 to 1 1/2 inches in diameter, prepaid to 600 miles from Chicago or New York. The Catalogue illustrated below reproduces in four colors a field of gladioli on our Michigan farm.

**The Cover of our 1921 Catalogue**

Illustrated below reproduces in four colors a field of gladioli on our Michigan farm.

50 Colored Plates of Flowers besides articles by national authorities on gardening, are contained in this home garden handbook.

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DRAPERIES & UPHOLSTERIES

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Insist on seeing the Orinoka Guarantee Tag attached to every bolt. Then you will be sure of the colors.

Hang Orinoka Guaranteed Sunfast Draperies at your sunniest windows; wash them as often as you please, they will hold all of their exquisite colorings and lustre. A special process in dyeing, used by The Orinoka Mills, makes their colors—no matter how delicate—permanently sunfast.

Orinoka Guaranteed Sunfast Draperies come in a wide variety of colors, designs, weaves and weights, from sheer-evel casement cloths to heavy velours. Their lasting colors and wear make them most economical.

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GUARANTEE:

"These goods are guaranteed absolutely fadeless. If color changes from exposure to the sunlight or from washing, the merchant is hereby authorized to replace them with new goods or refund the purchase price."

THE ORINOKA MILLS, NEW YORK

Poultry bone clippers come in handy size, with one tooth-edge blade and one sharpened. These, and sharpener below, by courtesy of Landers, Frary & Clark

The Knife-Life of the Kitchen
(Continued from page 58)

one which this article deals with, does not ter itself in silver and all the cutlery so biffly made for table. The same general prin apply, but there is too space here to go into the t of pattern, brands general details of table lery.

However, the blades most cutting articles made of sheet steel, and this crucible cast steel forged steel are used.

The essential parts of process of cutlery ma re: (1) forging; (2) dening and tempering; grinding; (4) polishing; (5) assembling, honing and finishing touches; and these are subdivided into divisions, making nearly hundred in some insta and more in others.

The last division is the one which this artic deals with, today. In the Century the cutler did the four-line fork come into being. So from the hunting knife and the croched wooden stick was born our of diversified cutlery. Not only in steel, not, but recently of steel with the added qualities of stainlessness.

Although Sheffield, England, in the past has had the reputation for the finest cutlery in the world, and although Sheffield must be given the credit for fathering the craft, yet the United States to-day is making some of the best cutlery and bids fair to outmake and outsell the world in quantity and quality.

Kitchen Cutlery
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Kitchen Cutlery
The subject of kitchen cutlery, the

Stainless, non-rusting steel keeps a fine edge and does not require polishing. Hot soapsuds and water are sufficient. This kitchen set of knives are shown by courtesy of the American Stainless Steel Co.
Those Wonderful Poppies!

1. A New Double Hybrid Poppy. As big as a Peony—lasts a week in water, while all other Poppies will last but a few days. Gorgeous in coloring, a giant in size, long stems beautifully fringed, and altogether the finest double Poppy in existence. Pkt. 25c.

2. A Lilliput Poppy. Imagine these sturdy little bushes, only 12 inches high, completely covered with lovely pink Poppies of a dainty size, with as many as 120 flowers on one plant, constantly in bloom throughout the summer. A delightful novelty. Pkt. 75c.

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4. The Wild French Poppy. The wondrous wild Poppy that our soldiers saw growing in a riot of color among the grain fields of France and Flanders. Seeds difficult to secure and in great demand. We have a limited quantity. Pkt. 25c.

Special offer of all 4 for only $1. Quantity limited, better order at once.

Ask for your free copy of our "Book for Garden Lovers." Our Special Offer of 3 wonderful new flowers, in the February House & Garden still holds good. Better order at once.

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PORTLAND, MAINE
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Art may be expressed in the skilful preparation of food as well as in the creation of a painting or a musical masterpiece.

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Aluminum Cooking Utensils

make it easy for one to master the fine art of cooking. Clean, shining, silver-like, they are a pride to own and a joy to use. And the food prepared in them looks so appetizing and tastes so good.

Replace utensils that wear out with utensils that "Wear-Ever"

Write for booklet "The Wear-Ever Kitchen." Address Dept. 36

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"Wear-Ever" trade mark on the bottom of each utensil
Some day the house you are planning to build may become the house you want to sell. Now, of course, it is the house you have planned for years—the house that will fit the needs and desires of your present family. Conditions, and the desires of your family may change; thousands of "owner built" homes are in the market every year. And the owners must find buyers who feel the same about those homes as the owners did when they built them.

So, now, when your new home is to be built,—isn't it a good time to give thought to whether anyone else would want that house, if you should desire to sell it?

"What is under the paint?" Ask yourself that question, as the next buyer will surely ask you. Because the answer too often is just "wood," build your home so that your answer will be—"a wood that Nature made self-preservation, that resists rot, decay and fire. That wood is Redwood—free from resin and pitch, and containing a natural preservative that permeates the entire wood structure."

Redwood is the wood that meets all specifications and answers most satisfactorily the question—"what is under the paint?" And even though you never have to ask anyone that yourself—how satisfying to know you have protected yourself from worry and your bank account from unnecessary repair bills, by building with Redwood which resists rot and decay.

Put Redwood "under the paint," especially in porch and door columns, exterior siding, eaves, gutters, door and window frames, rails, roof or side shingles, mud sills,—wherever there is exposure to moisture, earth and climatic rigors, in all extremes of heat and fire. That wood is Redwood—free from resin and pitch, and containing a natural preservative that permeates the entire wood structure.

The benefits of using Redwood as a building material are widely recognized. Its durability, ease of maintenance, and resistance to rot and decay make it an excellent choice for homes built in coastal or mountainous areas. Redwood is naturally resistant to moisture and can withstand extreme weather conditions. It is also aesthetically pleasing, offering a natural beauty that enhances any home's exterior.

In conclusion, investing in Redwood for your home building project ensures not only longevity and low maintenance costs but also adds to the property's value. As you plan your dream home, consider the advantages of Redwood and make it a part of your project to ensure a lasting, beautiful, and structurally sound investment.
Gardening Knowledge Brings Garden Success

Increase your success and enhance your pleasure by mastering the fundamentals of gardening. You can do this easily and pleasantly in your spare moments by availing yourself of our Home Study Course in Gardening. It will help you to grow more delicious vegetables, more luscious fruits and more beautiful flowers.

This HOME STUDY COURSE

under the direction of the well-known authority, Arthur Smith, teaches you the "why and wherefore" of every gardening operation. It gives you a deep and thorough understanding of plant life and of its needs—an understanding which assures success.

The Gardeners' Chronicle will be of inestimable help to you in your garden work. It is both precise and practical, giving detailed methods that any one can carry out. It is like having a veteran gardener at your elbow for advice in every emergency. The special articles in every month are from the pens of America's foremost gardeners and horticulturists. The review columns inform you regarding the best gardening literature at home and abroad. Every garden lover needs this magazine.

12 Lessons $2

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Send $2, check or money order. Order today and start the Home Study Course before outdoor work begins.

Gardeners' Chronicle, 288 Fifth Ave., New York
MOTO-MOWER owners value this power lawn-mower not so much for its 80% saving in labor cost as for the positive improvement it makes in the appearance of their grounds.

The Moto-Mower is light, efficient, and dependable. It is simple and sturdy in its construction — there are only eight moving parts, — and Timken and "Boundbrook Oilles" Bearings give protection such as is found in the finest automobiles. The Moto-Mower is surprisingly easy to handle. And the price is reasonable.

Send for catalog

The Moto-Mower Company
2033 Woodward Avenue
Detroit, Mich.

The housewife errs in no place quite so much as in the care of her cutlery. In nine and one-half houses out of ten the good blades are huddled and boxed into a drawer from their handles, nick, scratch and hammer each other to their own destruction. What good, however sharp they may be, is of little use if they are not having good materials if they are not being properly stored in this manner?

Consider the carpenter how he stores his tools. He hangs each tool in a certain order and as he desires a certain thing he knows exactly where it is. We can't afford to have our housewife hang her few knives and keep them forever in good shape.

Clean them after every use. Do it easier then. A little cleaning powder will keep the blades sharp.

New knives should be so finished when you buy them that they are ready for use without further edging. The best manufacturer will see to this and have a department just for hone and make knives ready for use.

Sharpening

The housewife's best method of sharpening is to sharpening or rather keeping the edge straight and keenly sharp. The iron needs sharpening when the knife really gets dull. But there should be a stone. The use of the stone or carborundum by the ordinary operator often wears the steel. However, if the use of the grinder or the stone or the carborundum is really going to be done then time and money will be saved in the sharpening process. Sharp knives save time and money.

There is a special stone on the market for stainless steel sharpening. It is so to get this for your stainless utensils. They are yours if you want them at a good price. Follow the directions with it carefully. The sharpening steel should have a guard for the hand in case the knife slides back toward the fingers.

Sharp the knife on the edge of the steel, for it should be quite flat; remember you are trying to flatten the teeth side to side toward the edge, and thereby make it a better cutter.

There are good rotary grinders and polishers on the market and the prices of them and their use is very valuable. There are also stones flat and stones handles, all for keeping knives sharp. They are yours if you want them and realize that you must know how to use them to save rather than destroy your cutlery.

The story of forks is almost the same as that of knives. Blades are to be handled with care. The times must be rigid and sharp enough to pierce immediately and not drop their prey by dull points.

Forks were not meant to open caps or lift lids. Many a perfect fork has had its life history snapped by the usage.

As with the sharpening steel, so with the fork which accompanies the carving knife — it too should have a guard to prevent the knife slipping and injuring the hands.

If you buy the best cutlery from the most representative firms you will have the best results — and you won't have bad usage than poor cutlery; but don't tempt it and waste your money.

A little care with the sharpening stone or your bills, give your food a better appearance and your maid's swifter and more efficient, for after all the kitchen work is mostly cutting up.
Gold Medal Gladioli—

The private gardens of Elmwood raise offer from its magnificent collection of Gladiolus, a stratum of the varieties which won the Kundert Gold Medal and sixty other prizes out of twenty three, at the last big show of the American Gladiolus Society in Boston. One hundred and twenty-five Kundert’s varieties and two hundred of the finest commercial varieties—Prices per ten and one hundred on application.

Following special offers will be in effect postpaid. All are full sized for growing for exhibition purposes.

- Each Myrtle, Mrs. Frank Pendleton, Mrs. E. P. Peery, Mrs. A. W. Watson, Lithuanian, Maria Tondel, Kundert’s Gold and Silver Medal at 50 cents each.
- Each Kundert’s Beautiful Primrose, Hyacinth After Thought, Alza, Capella, Tapog 25 cents each.
- Each Crimson Glow, Blue Jay, the Giotto, Prince of Wales, Coronet, Loveliness 35 cents each.
- Each Mrs. Austin’s Big Four, by Mr. Kirkland, Herada, Bertrix, Chinese Bang, 35 cents each.
- Each America, Baron Huber,ango White, Feag, Golden King, Van, Frances King, Mrs. Watt, Bama, Prominence, Hybrids, ice Torch, Schwaben, Scorial, Jet King, Queen Wilhelmina, Senator Taft, $1.75, one each $1.00.

I appreciate your orders and fill them conscientiously, in due time.

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Planning a Water Garden

is second only to setting the plants and cutting the Water Lily blooms. A natural water course can be utilized, or a pool may be constructed without difficulty or great expense.

TRICKER’S 1921 BOOKLET OF WATER GARDENS

gives detailed drawings and instructions for pool building: tells how to succeed with Water Lilies; shows several varieties in color and gives full descriptions of many rare sorts. A copy will be sent promptly on request.

WILLIAM TRICKER—Water Lily Specialist

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Roses that assure the beauty of your garden

The prize-winning Columbia or the snow-white Frau Karl Druschli—the yellow Sunburst or the soft pink J. L. Mock—It matters not—if it is a genuine Conard Star Rose, it will BLOOM or we will refund your money.

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It’s not the guarantee which makes our rose blooms but the quality of our plants which enables us to make the guarantee.

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Its 80 pages are profusely illustrated and contain advice about what to plant, when to plant and how to cultivate, with a special planting table and calendar. Write today.

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