

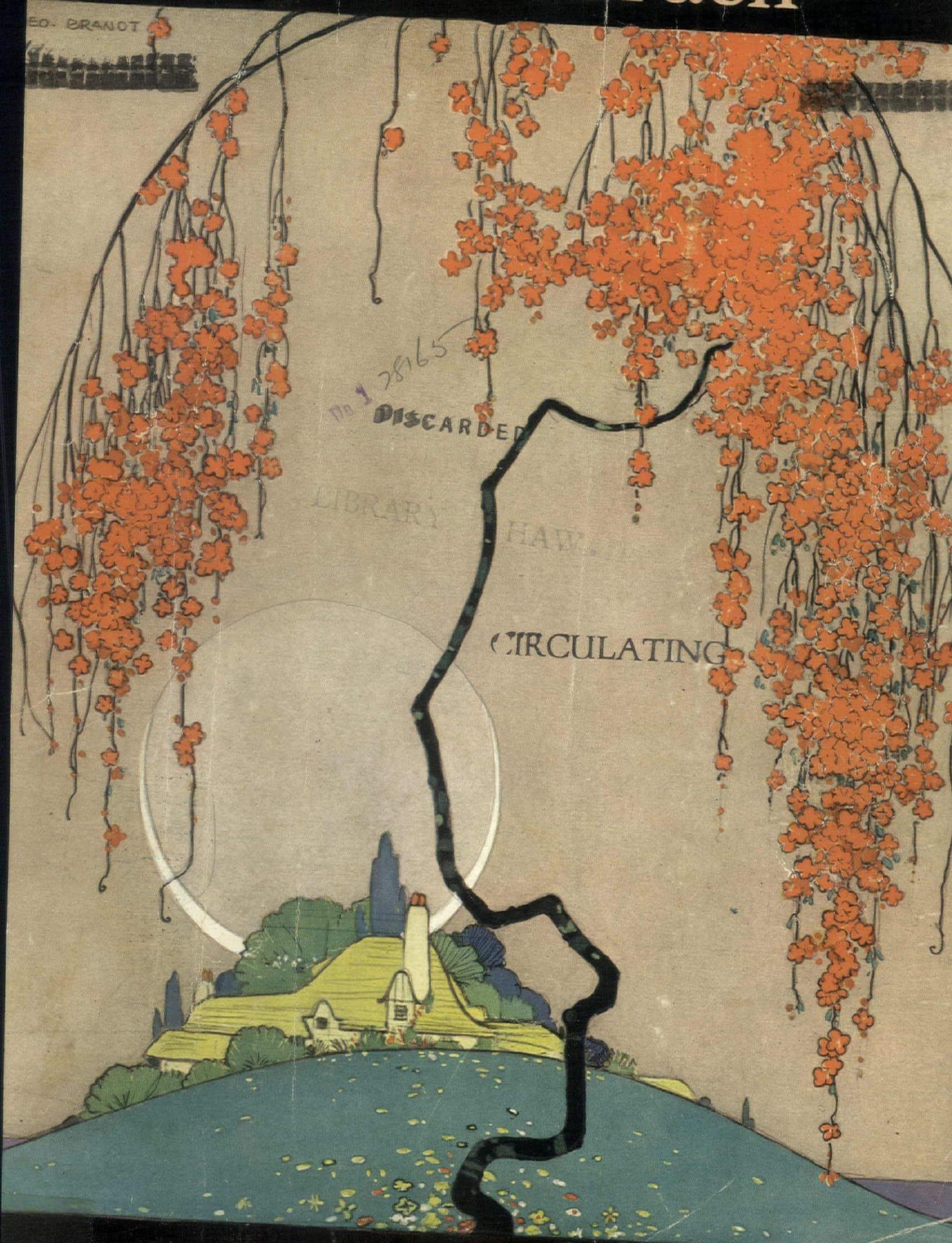
ED. BRANOT

No 1 78165
DISCARDED

LIBRARY

HAW.

CIRCULATING



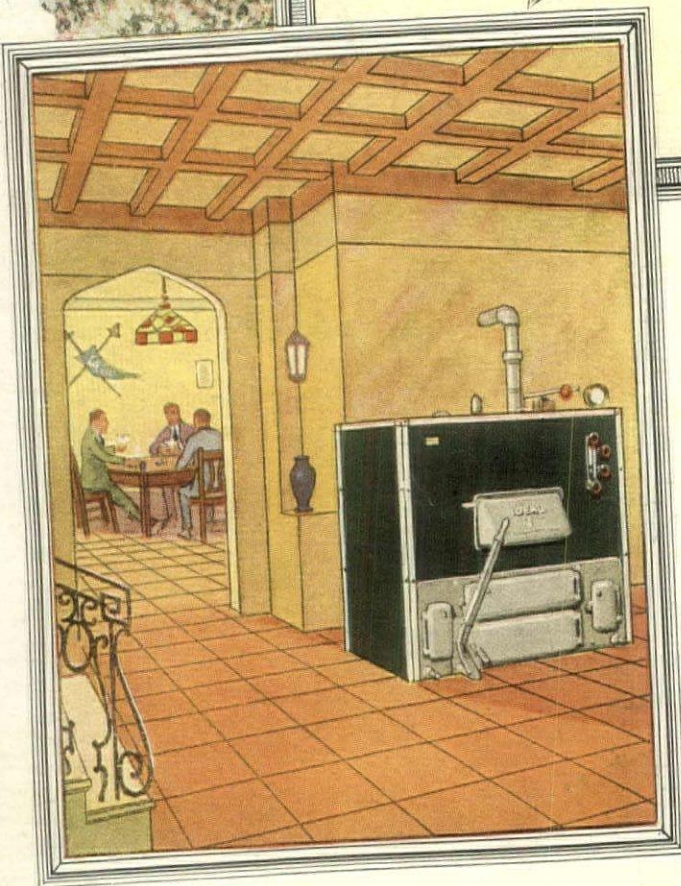
Spring Gardening Guide

ch - 1921

Cosmopolitan Press



COPYRIGHT 1920 AMERICAN RADIATOR COMPANY



"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 33⅓%. This in few years, saves the cost of installation of an IDEAL Type "A" Heat Machine with the handsome and efficient AMERICAN CORTO Radiators.

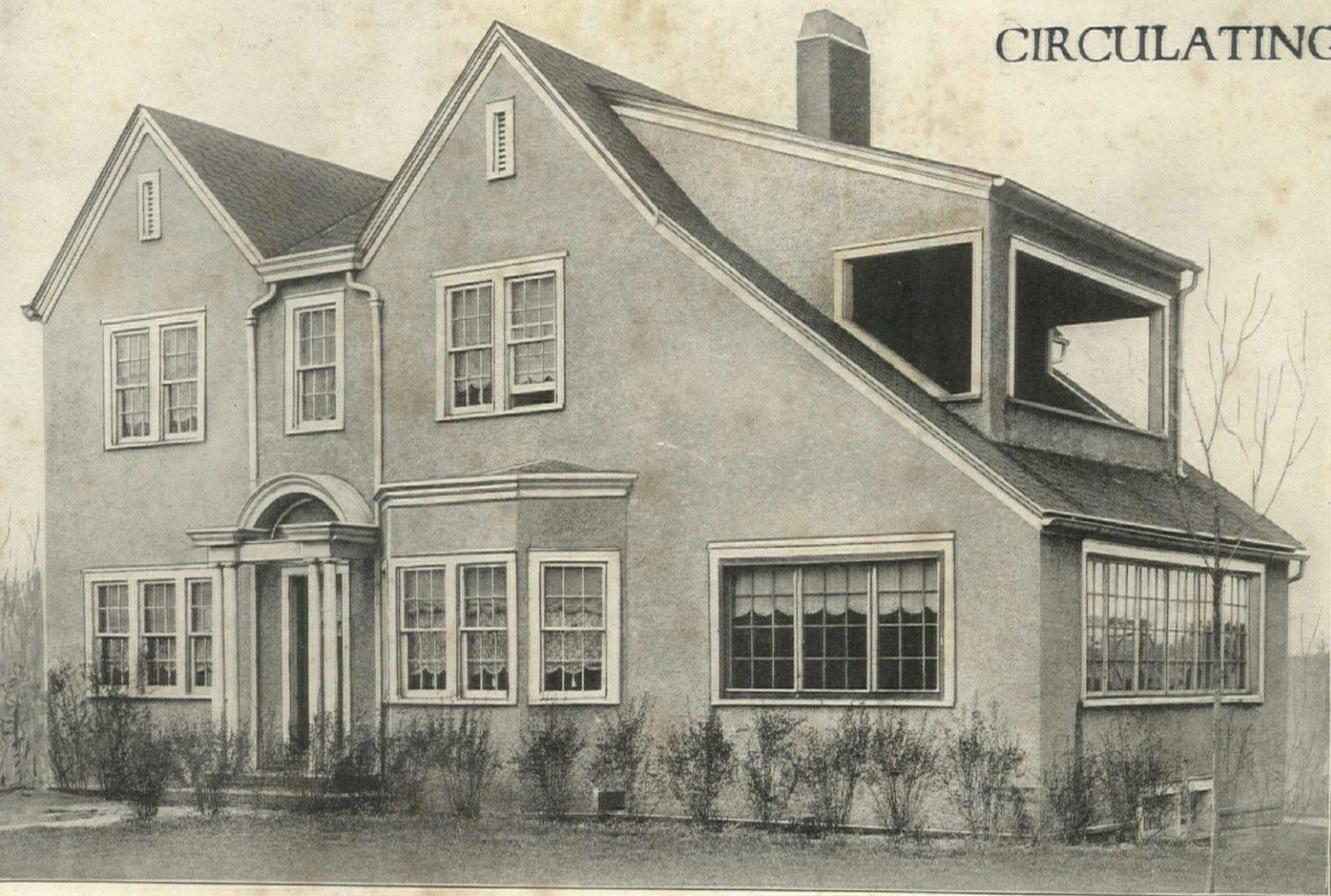
Write for catalog with test-chart records of efficiency and economy

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

CIRCULATING



Res. Henry Thomas, Mayor—Glen Ellyn, Ill. Contractor, A. J. Leonard, Glen Ellyn, Ill. Bishopric used on all Exteriors direct to studding, also on Interiors.

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.

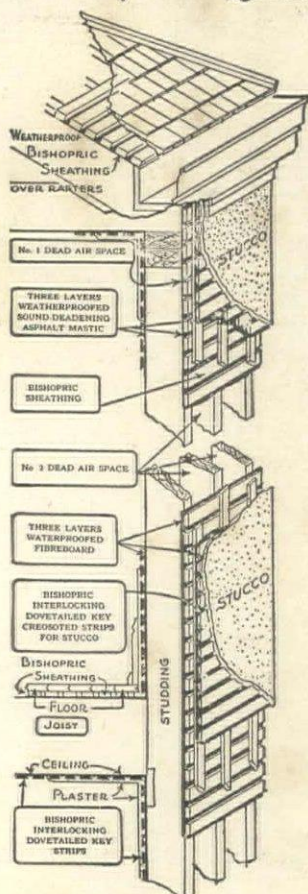
BISHOPRIC provides a home that is warmer in winter and cooler in summer than other forms of construction. It provides a house that is absolutely dry, vermin-proof and HEALTHY.

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.

(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



A. J. LEONARD GENERAL CONTRACTOR

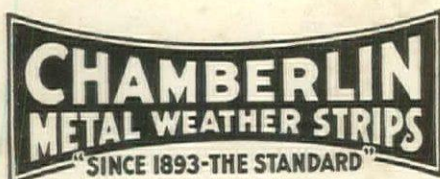
Glen Ellyn, Ill., Oct. 14, 1920.
The Bishopric Mfg. Co., Cin., O.

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 compare 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.



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. Then, too, 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 housewife.

The Remedy for Draughts

More people are beginning to realize each year that draughts and other resultant evils are not as they previously believed, necessary evils, but that all of these difficulties can be effectively stopped by effective weatherstripping. The metal strips fit closely around doors and windows and thoroughly seal all crevices and prevents the inrush of cold air, dampness and dust.

An Interesting Audit

An interesting little audit was 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 had installed weather strips and what results they had obtained from them. The following tabulation of results of weatherstripping taken from the replies is exceedingly interesting and is of considerable self-explanatory value.

198 said "Save coal"

195 said "Eliminate draughts"

138 said "Stopped rattling of windows"

135 said "More evenly heated homes"

132 said "Keep out dust"

65 said "Make windows slide easier"

15 said "Keep out street noises"

12 said "Keep out rain"

17 said "Eliminate street sash"

The fact that weather stripping furnishes a practical and effective solution to all of the difficulties mentioned in the earlier paragraphs is best evidenced by the fact that architects throughout the country generally include the item of weather stripping in their specifications.

An Exquisite Boudoir at the Hampton Shops

SUGGESTIVE of Fontainebleau 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 chaise-longue 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



*Styles for Every Room
in the House*

SANITAS

MODERN WALL COVERING



Added Beauty for Your Home

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.

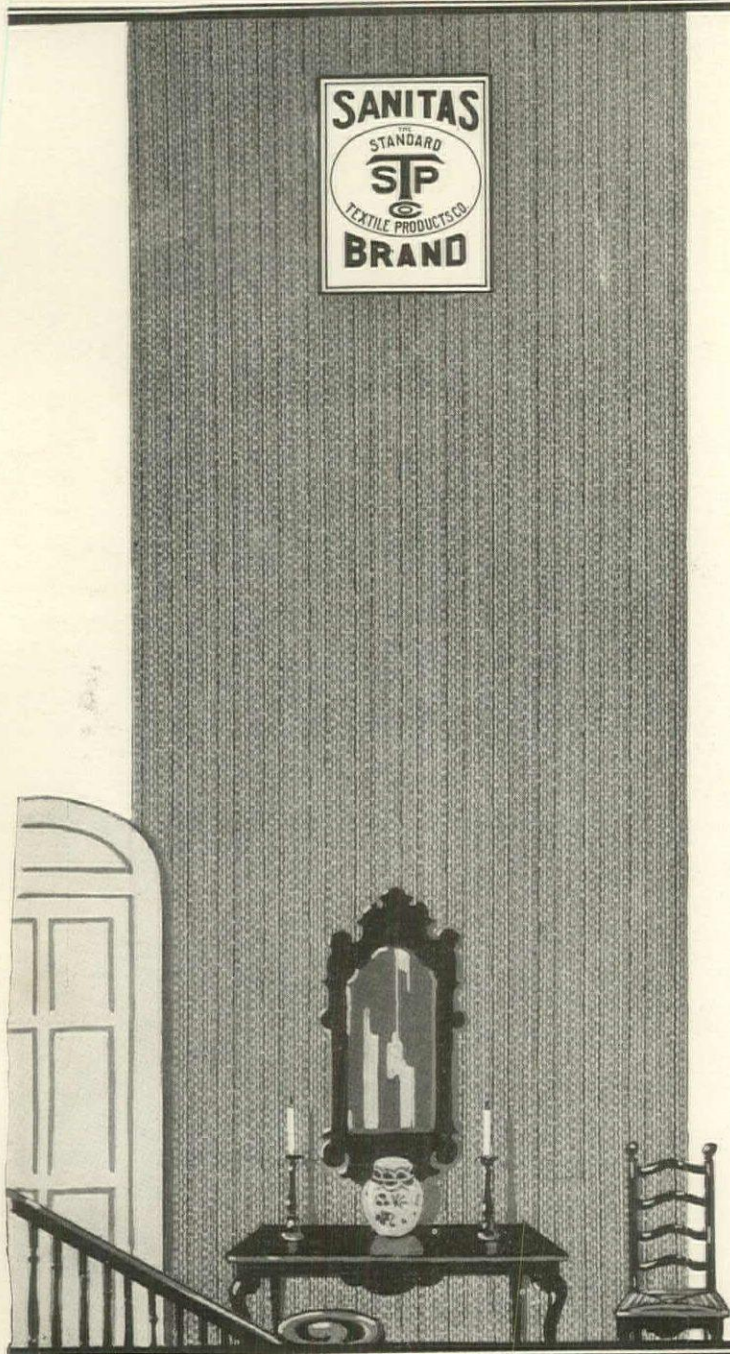
Sanitas is made on cloth, machine-painted in decorative patterns or in dull-finished tints that can be hung plain or frescoed, blended or panelled. Sanitas does not crack, peel or fade. A damp cloth wipes off dust and finger marks.

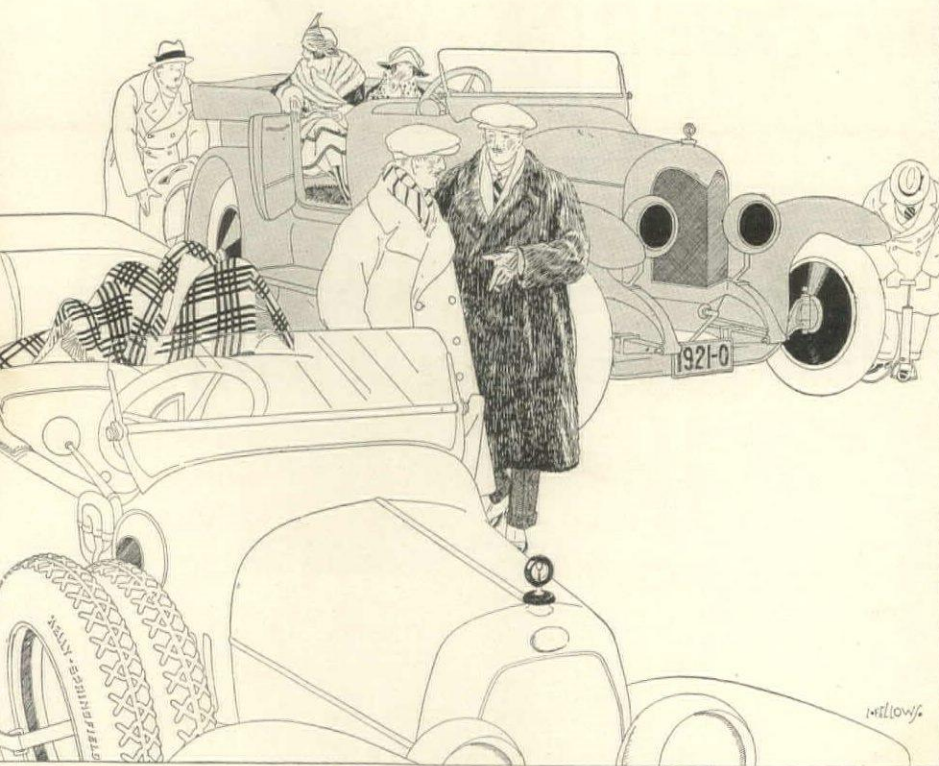
See the complete Sanitas sample book at your decorators or dealers.

Samples and Booklet sent on request.

THE STANDARD TEXTILE PRODUCTS CO.
320 BROADWAY, NEW YORK

DEPT. 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?

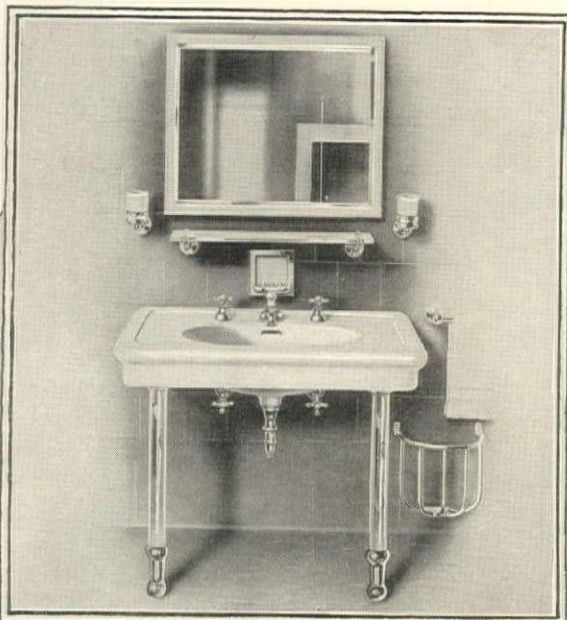


North Western Expanded Metal Co.

937 Old Colony Building
CHICAGO

NORTH WESTERN EXPANDED METAL CO.
CHICAGO

Crane "NOVA"
Vitroware Lavatory



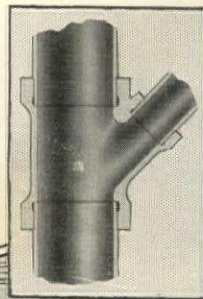
A Matter of Foresight

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 pipe-line;" 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 lodge-
ment of solid matter.



BOSTON
SPRINGFIELD
BRIDGEPORT
HARTFORD
ROCHESTER
NEW YORK
HARLEM
BROOKLYN
ALBANY
PHILADELPHIA
READING
NEWARK
CAMDEN
BALTIMORE
WASHINGTON

SYRACUSE
BUFFALO
SAVANNAH
ATLANTA
KNOXVILLE
BIRMINGHAM
MEMPHIS
LITTLE ROCK
MUSKOGEE
TULSA
OKLAHOMA CITY
WICHITA
ST. LOUIS
KANSAS CITY
TERRE HAUTE

CRANE EXPORT CORPORATION,
25 WEST 44TH ST., NEW YORK
1 BRANNAN ST., SAN FRANCISCO, CAL.
AVE. DE L'OPERA, PARIS, FRANCE

THERE IS A NEARBY CRANE BRANCH TO GIVE YOU CRANE SERVICE

CRANE CO.

836 S. MICHIGAN AVE. CHICAGO

VALVES-PIPE FITTINGS-SANITARY FIXTURES

CRANE EXHIBIT ROOMS

23 W 44TH ST. AND 22 W. 45TH ST.
NEW YORK CITY

1105-1107 BOARD WALK
ATLANTIC CITY

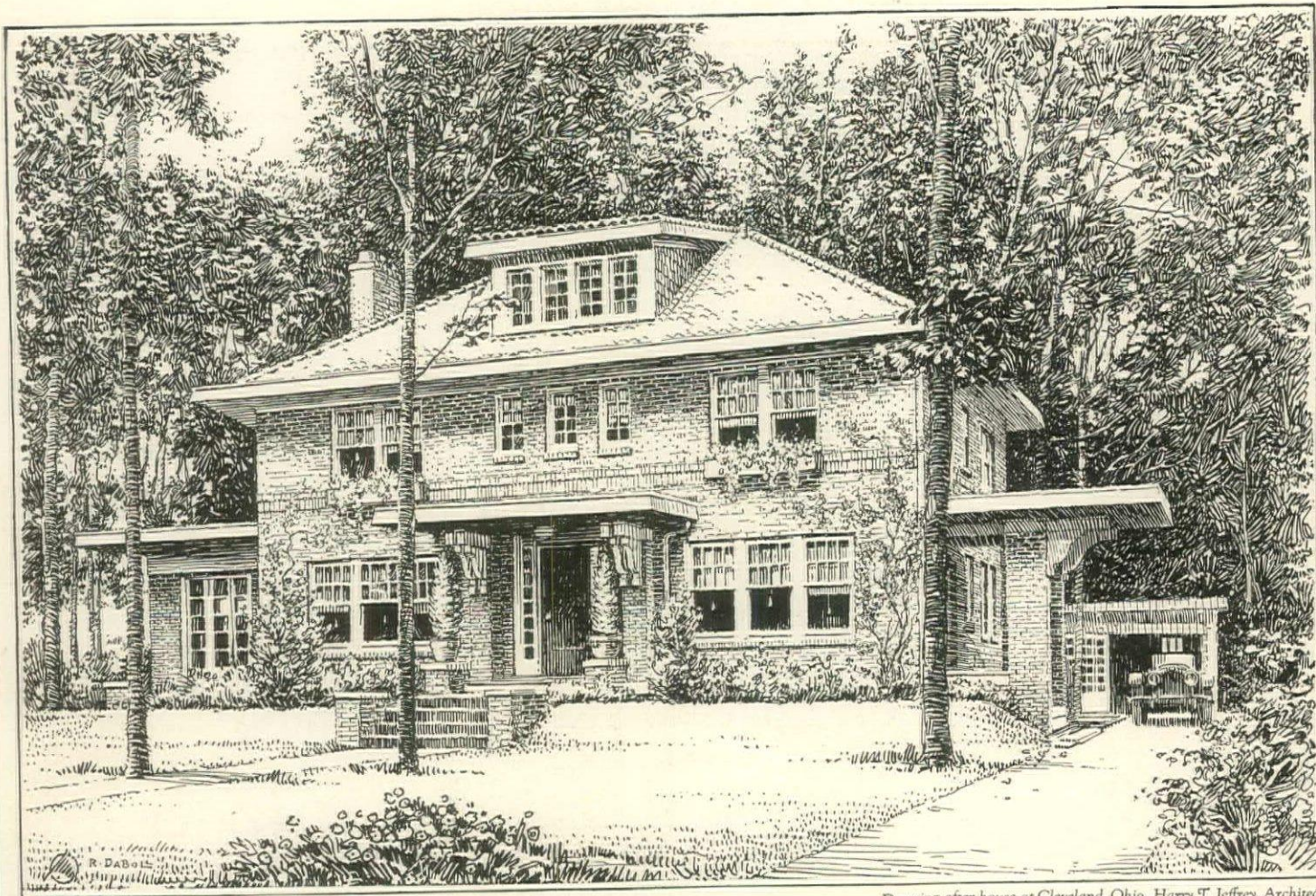
To which the Public is cordially invited
Works: CHICAGO: BRIDGEPORT: BIRMINGHAM

CRANE } MONTREAL (HEAD OFFICE AND WORKS); TORONTO, VANCOUVER, WINNIPEG,
LIMITED } SYDNEY, N. S. W., QUEBEC, HALIFAX, OTTAWA, REGINA, CALGARY

CINCINNATI
INDIANAPOLIS
DETROIT
CHICAGO
ROCKFORD
OSHKOSH
GRAND RAPIDS
DAVENPORT
DES MOINES
OMAHA
SIOUX CITY
ST. PAUL
MINNEAPOLIS
WINONA
DULUTH

FARGO
WATERTOWN
ABERDEEN
GREAT FALLS
BILLINGS
SPOKANE
SEATTLE
TACOMA
PORTLAND
POCATELLO
SALT LAKE CITY
OGDEN
SACRAMENTO
OAKLAND
SAN FRANCISCO
LOS ANGELES

CRANE-BENNETT LTD.
45-51 LEMAN ST., LONDON, ENGLAND



Drawing after house at Cleveland, Ohio. Harry T. Jeffrey, Architect

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 Westminister Building • Chicago

"Home-keeping hearts are happiest"



JUST as the cooing doves instinctively seek a quiet nook in which to build their nest, man's natural instincts incline 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.

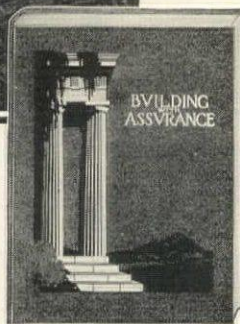
The house of Morgan—famed everywhere as makers of highest standard doors and interior woodwork, has simplified many problems that confront home builders in a wonderful book which any prospective builder may own.

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 bedrooms, cozy breakfast nooks, etc., any of which you can duplicate in your own home from Morgan Standardized Woodwork carried by dealers everywhere.

In addition "Building With Assurance" gives you almost priceless information, from the experience of some of America's foremost experts. A few of the chapters are "Plan, Promise and Fulfillment"—Morgan. "Interior Decoration and Floor Coverings"—Marshall Field & Co. "Home Lighting"—Macbeth-Evans Co. "Modern Plumbing"—



Standard Sanitary Mfg. Co. Other subjects covered are "Home Heating," "Hardware that Harmonizes," "Landscape Gardening," "Paint and Finishes," etc.

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

Canonicus, Beautiful Dark Cerise. No other like it in shape or size. **Samoset**, Light Yellow, slightly shaded pink. **Esther Du Barry**, Velvety Cardinal OR **Nin-gret**, Rich, Dark Red, Clouded and Striped Lighter. **Powhatan**, Dark, Crushed Strawberry, Beautiful Shading. **Frances Lane**, Light, Lavender Red, Very Wonderfully Shaded.

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, a strong root 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 season 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 Dahlias will be delivered anywhere in the United States postpaid, and your name will be enrolled as a member with all dues for the year fully paid.

EDWARD C. VICK, Secretary
American Dahlia Society
205 Elwood Ave. Newark, N. J.

Stokes Seed Catalog



*true as
Sir Galahad*

For 40 years, **STOKES SEEDS** have been noted for *reliability*. This quality is reflected in our catalog. It is truthful in mentioning weaknesses, conservative in praising points of merit. The usual confusion of varietal names is avoided by using the name given by the introducer. The origin, history, culture and use of nearly every item is clearly stated.

A copy will be sent free on request.

Stokes Seed Farms Co., Growers
Organized 1881 as Johnson & Stokes
Moorestown, New Jersey

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.**

The World's Greatest Iron Fence Builders.
218 Stewart Block. Cincinnati, Ohio
Sales and Construction Representatives
in principal cities.

HOTEL VENDOME Commonwealth Ave. Boston, at Dartmouth Street

BOSTON'S DISTINCTIVE
HOTEL

Appealing to a patronage desiring the utmost afforded by the art of living.

Quickly accessible to everything worth while.

C. H. GREENLEAF CO., Props.
Everett B. Rich, Managing Director
Franklin K. Pierce, Associate Mgr.
Send for Illustrated Booklet.

WHEN you're planning to travel, think *once*. Think, "House & Garden Travel Bureau." That settles destination, route, hotel.

You won't have to think again until you come to congratulating yourself on the success of your trip.



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:

THERE'S an article on curtains, first of all. Because House & Garden knows that curtains—especially if they're chintz—can do more to bring the quality of summer into a room than anything else.

And there's one on American pottery, you know the kind, with engaging setters and hounds leaping from the handles of jugs, and something strangely like the classic New England pot to show what turned on the wheel of the early American potter.

SATINWOOD furniture for your house, and box-wood hedges for your garden are described in this number. And if roses and delphinium are your especial prizes 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.

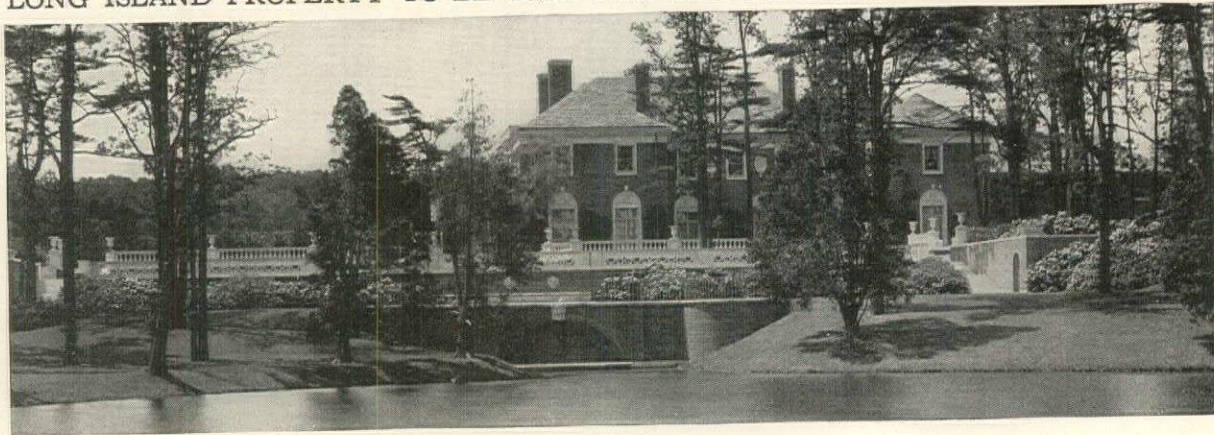
You Mustn't Miss This Number of House & Garden—It's Full of Things You Want to Know and Things You Want to Do. It's on Sale March 25th.

CONDÉ NAST, PUBLISHER
RICHARDSON WRIGHT, EDITOR
HEYWORTH CAMPBELL, ART DIRECTOR

THE REAL ESTATE MART

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

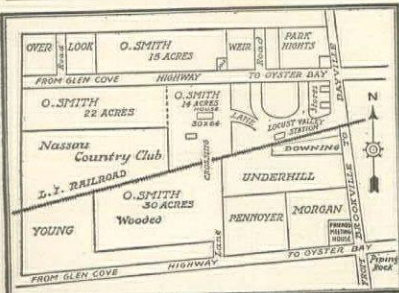
Estates of this type
are rarely offered

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)

Every last detail of stability and completeness is embodied in this 12-acre Gentleman's
Estate in Summit, N. J. Priced 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. Suit-
able for immediate improvement.
For price, particulars, etc., apply

Clark, Christ & McKellar, Inc.

New York City
1 West 34th St.
"Fitz Roy 162"



Andrews Building
Mineola, L. I.
"Garden City 1259"

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 twenty
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 South Carolina

Estates, Suburban Homes Farms and Institutions

WE KNOW EVERY HILL DALE & LAKE
BECAUSE WE LIVE HERE
IN THE HEART OF WESTCHESTER
MERRIAM M-KISC

Thos. N. Cooke

Tel. 430-1330

Greenwich
Conn.

Smith Building

The Best Available Properties
North Shore - Long Island
REAL ESTATE BROKERS
WHEATLEY HILLS
Real Estate Corporation
95 Liberty St. Tel. Cort. 4657 New York

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

TELEPHONE { 1022
1023

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

Gentlemen's farms

Chester A. Dodge

Falmouth, Mass.

THE REAL ESTATE MART



Type of cattle raised on our farms

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 H-1

E. G. BURLINGAME

National Farming Corporation

Farm
AZENOVIA
N. Y.

Office
98 CHAMBERS ST.
N. Y. C.

Bernardsville--Morristown

COUNTRY ESTATES and FARMS

Fred W. Jones—Shelton E. Martin

Tel. Rector 7299 141 Broadway, N. Y.

IF YOU WANT A CHOICE HOME IN WESTCHESTER, I WILL LOCATE YOU SATISFACTORILY. TELL ME KNOW YOUR REQUIREMENTS

Robert K. MacLea
O EAST 42ND ST. NEW YORK CITY.

"SUNNY JERSEY"

See illustrated catalogues Money-Making farms in the Garden State of the Sun. Poultry, fruit, truck, grain, dairy farms; many fully stocked. Near great markets, mild, healthful climate, with tile land. NEW JERSEY FARM AGENCY, 921FF Real Estate Trust Bldg., Phila., Pa.

Greenwich CONN.

For Rent

Charming Colonial house on high location near Country Club. 4 bedrooms, 2 baths, 3 servants' rooms and bath. Garage. No. 149. Season rental \$3,500.

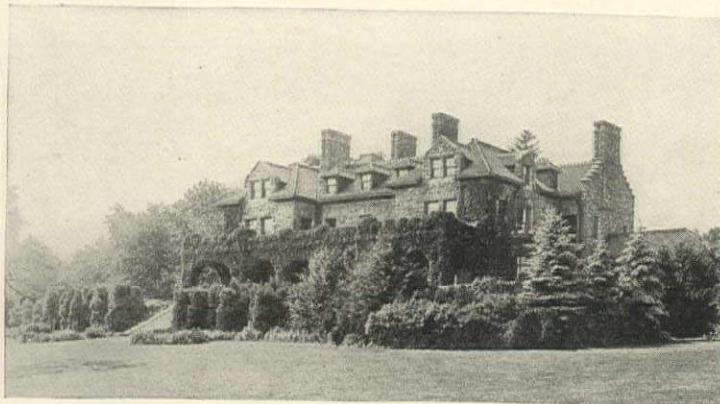
For Sale

New house. Sound view. 65 acres. 8 bedrooms, 7 baths; 6 servants' rooms and bath. Garage, quarters, etc. No. A 2058. Price \$300,000

Every attractive house, large or small hereabouts, that's for sale or rent.

LADD & NICHOLS
Greenwich, Conn.
Tel.: 1717

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

¾ 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 Greycourt.

For particulars apply O-839.

Fish & Marvin

527 Fifth Avenue, New York
Telephone: Murray Hill 6526

For Country estates, shore property, cottages, acreage property in and around Greenwich, Connecticut, consult me.
Write, call or telephone 456 Greenwich

LAURENCE TIMMONS

Opposite
R. R. Station Greenwich, Conn.

RAYMOND B. THOMPSON
REAL ESTATE

EXCEPTIONAL opportunity to purchase or lease special and preferred shore fronts and country estates.

Exclusive Listings

RAYMOND B. THOMPSON
Smith Building Greenwich, Conn.
Tel. 866 Greenwich

WHERE SHALL I LIVE?

We have some special 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.

Country and Suburban Real Estate
437 Fifth Ave., N. Y. Phone Murray Hill 555



ESTATES-HOMES-FARMS

\$8,000 to \$500,000

JOHN D. MINER

522 Fifth Ave., N. Y. Tel. Vanderbilt 7860



white stucco bungalow of ten rooms in one-half acre of highly improved grounds. A large two-room garage of uniform construction closely adjoins the house. This is not a common California gentleman of moderate means.

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

For further particulars address L. B. Dixon, Victoria Avenue and Madison Street, Riverside California.

A Gentleman's Home

In California

WITHIN the City limits of Riverside, in Southern California and five miles from the center of town, this home has all the advantages of the town, and all the attractions of a country house. It is served with municipal systems of pure domestic water, high pressure fire protection, and three-cent electricity for power and cooking.

The property includes a ten-acre orange grove of exceptional excellence. The house is a modern ranch house, neither is it a large and expensive estate, but a simple, highly artistic home for a gentleman of moderate means.

For further particulars address L. B. Dixon, Victoria Avenue and Madison Street, Riverside California.

GREENWICH CONN

A few Real Bargains

Selections from the best of all offerings in every range of value—Cottages, Farms, Estates and Building Plots with four acres (and upward) of land.

GREENWICH PROPERTIES ONLY

FRANKLIN EDSON

Real Estate Agency

Telephone, No. 876, also No. 7
Greenwich, Conn.

Long Island NORTH SHORE

For Rent

Brick Colonial house on magnificent shore front, forty-five minutes by motor from New York. 8 bedrooms, 7 baths, 6 servants' rooms and bath. Garage, quarters, pier, bath-houses.

Season rental \$15,000.

For Sale

Long Island farmhouse, near Piping Rock. 15 rooms, 4 baths; garage, quarters, etc.

Price, \$65,000

Every attractive house for sale or rent on the North Shore or in Southampton.

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

Quaint Old Homestead

With neglected grounds of 19 acres, exceptionally handsome trees and shrubbery; well located on the main road within half mile of the station; substantial frame house of Colonial design out of repair, oak floors; presents remarkable possibilities for remodelling. Price \$25,000.

JEREMIAH ROBBINS

Babylon, L. I. Tel. Babylon 22.



JERSEY COAST

Ocean Front Cottages

For Rent—For Sale

Deal Beach Allenhurst Spring Lake

JOHN D. MINER

522 Fifth Ave., N. Y. Tel. Vanderbilt 7860

THE DOG MART AND POULTRY YARD



Wire Haired Fox Terriers

The smartest of pals—The best watch dog—Ideal with children.

We have a number of lovely puppies for sale. Raised on the farm—strong in the blood of the best terriers in America.

Dog Pups, \$100
Bitch Pups, \$75

Write at once for description.

PRIDES HILL KENNELS
Prides Crossing, Mass.



AIREDALE TERRIERS

Champion Soudan Swiveller at Stud, too \$25.00. The Sire of Champion Abbey King Nobbler, Champion Gold Heels, Champion Kirls Patricia. Puppies and grown stock for sale.

I Ship on Approval

BRAYVENT KENNELS
2 CLARK ST., WESTFIELD, N. J.
THOMAS K. BRAY Phone 424 M Westfield



ENGLISH BULL DOGS

For 15 years I have made a study of proper breeding. This picture shows the result. I am offering some exceptional puppies now. State your wants. Males \$50.00 up. Females \$35.00 up.

My own breeding Correspondence a pleasure
FERN LEA KENNELS
P. O. Box, 1588
Bayville, Long Island, N.Y.



FRENCH BULL DOGS

If you want a real pal we have it

Satisfaction Guaranteed

Weigh from 16 to 25 pounds

ALF-DURNÉ KENNELS
P. O. Box 5
Huntington Sta., L.I., N.Y.



OSOKO

Did you ever think of feeding your dog Osoko?

Send for a free sample and try it.

You will then know why it is so popular in the foremost kennels of the world.

Manufactured by
SPILLERS VICTORIA FOODS, Ltd.
London, England

H. A. ROBINSON & CO.
Importers

128 Water Street New York City



PEKINGESE—Largest Kennel in America

All ages and colors. Chiefly "Sleeve Dogs" and puppies. Champion bred.

Some as Low as \$25

Satisfaction guaranteed. Safely shipped anywhere. Send for photographs and descriptions.

MRS. H. A. BAXTER

489 Fifth Avenue, New York. Telephone Vanderbilt 1236.
Great Neck, L. I. Telephone Great Neck 418.

YES!

I have a few of the dearest Pekingese puppies you could wish to own, and grown dogs too. Ask for description and prices. My folder "Pleasure and Profit" will be enclosed.
Mrs. D. G. Miller, Bass Lake Kennels, 33 Terrace Ave., Hasbrouck Heights, N. J.



St. Bernards

Best possible pets for children. Companions, also guards for the home. Faithful and affectionate. From best prized pedigreed strains.

Also Collie Puppies

WHITE STAR KENNELS

Long Branch, N. J. Phone 555J



Medor Kennels

Formerly of London, England

Our specialty is Pekingese and Wire Haired Fox Terriers. Dogs and puppies from our imported winning stud dogs always on hand. Poms, chows, Bostonians and all other breeds.

70 W. 47th St. New York

Telephone Bryant 6340



RUSSIAN WOLF HOUNDS

The dog of kings and emperors. The aristocrat of the canine family. The most beautiful of all breeds.

Puppies for sale. Very reasonable. Exceptionally beautiful. Come from some of the greatest Champions in the country. No better blood to be had for any price. Write or call
DR. S. De SAYDA, College President
Ridgefield Park, N. J.

THE BLUE GRASS FARMS KENNELS OF BERRY, KY.

offer for sale, Setters and Pointers, Fox and Cat Hounds, Wolf and Deer Hounds, Coon and Opossum Hounds, Varmint and Rabbit Hounds, Bear and Lion Hounds, also Airedale terriers. All dogs shipped on trial, purchaser alone to judge the quality, satisfaction guaranteed or money refunded. Eighty-four page, highly illustrated, instructive, and interesting catalogue for ten cents in stamps or coin.



NEW YORK DOG EXCHANGE, Inc.

Dealers in all breeds of high-bred dogs. The largest collection in the country. Mail orders solicited. Satisfaction guaranteed.

221 Third Ave., N. Y. C. Tel. Gramercy 6105

POLICE DOGS

The Home Guard, Your Boys Friend and Ready Protector

Puppies Our Specialty

PINE HILL VIEW KENNELS, Reg.
35 Humason Ave., Buffalo, N. Y.



Collies For Sale

Bred from Champion and Blue Ribbon Stock —Puppies and Grown Dogs.

Miss May Thomson
The Arcadia Collie Kennels
3805 Lindell Ave.
St. Louis, Mo.



BIRD LOVERS

SEND for free bird book, "Canaries for Pleasure and Profit." Gives valuable information about breeding, training, rearing, feeding, care and full description of canaries. Written by an expert. Sent free together with samples of West's Quality Bird Foods on receipt of 5 cents stamps to cover postage.

MAGNESIA PRODUCTS COMPANY
Department 5, Milwaukee, Wis.
West's Quality Bird Foods



BOOK ON

Dog Diseases AND HOW TO FEED

Mailed Free to any address by the author

H. CLAY GLOVER, V. S.

118 West 31st Street New York



The Most Beautiful Thorough-bred White Scotch Collies in the world.

Photos and prices on request. Satisfaction guaranteed. No. 457
THE SHOMONT
Monticello Iowa



ENGLISH LEGHORNS

5-6-7 POUND HENS 7 AND 8 POUND COCKS
"WHITNEY-BARRON 300 EGG STRAIN"

TRAP-NESTED AND PEDIGREED STOCK
FERTILE EGGS FROM WORLD WINNERS
"A WINTER LAYING STRAIN"

SATISFACTION GUARANTEED NO GUESSING
NO AVERAGES THE TRAP-NEST TELLS THE TRUTH

THE WHITNEY POULTRY FARM Inc.

IMPORTERS & BREEDERS
"ULSTER QUEEN" RECORD BOY EGGS IN 3 YEARS
MARLBOROUGH, NEW YORK



OORANG AIREDALES

The 20th Century All-round Dogs



Oorang Airedales are loyal companions for man, woman and child; faithful protectors for automobile, camp, home and estate; ideal dogs for farm and ranch; careful drivers of cattle, hogs and sheep; excellent ratters, water-dogs, retrievers and hunters of all kinds of game. Choice stock for sale. Descriptive booklet mailed for ten cents.

OORANG KENNELS

The largest breeders of Airedales in the World
Dept. X, LA RUE, OHIO



POLICE DOGS

(Shepherd Dogs)

20 miles from New York

FORKLAND KENNELS

Dobbs Ferry, N. Y. F. Stein, M.

POLICE DOG PUPPIES

CHAMPIONSHIP STRAIN

To discriminating buyers I can offer progeny of some of the greatest sires in America. \$75.00 and up.

IMMUNIZED FOR DISTEMPER

Dr. E. T. Davison

Phone, Passaic-91 Athenia, N.J.

KEEP YOUR DOG WELL

Sergeant's Condition Pills are a splendid tonic for weak, listless, ailing dogs and puppies. Build strength and health. 60 dealers or from us by mail.

FREE DOG BOOK

Polk Miller's famous Dog Book, 64 pages, on care, feeding and training, also pedigree blank, alliment chart and Sen. Vest's celebrated "Tribute to a Dog." Write today for a free copy.

POLK MILLER DRUG CO.



A Medicine for Every Dog Ailment

Sergeant's DOG MEDICINE

Standard 40 Years

715 Governor St. Richmond, Va.

BLACK FLAG Conditions Co

Before the show, use Black Flag regularly and plentifully and your dog's coat will be perfect. Fleas worry the dog and prevent proper development. Blow into coat with powder gun will kill every flea. Non-poisonous; harmless to dogs and humans. Kills insects by inhalation. don't eat it—they breathe it, and die. In the red-and-yellow wrapper bearing the BLACK FLAG trademark. At all drug, grocery, department and hardware stores. Three sizes: 20c, 50c, \$1.00. (except west of Rockies). Or direct by mail on receipt of price.

BLACK FLAG Baltimore, Md.

THE POULTRY YARD

Barred Plymouth Rocks

BABY CHICKS and EGGS, from Norman's Superior strain of trap-nested layers, most vigorous strain in America, book orders now, don't delay and be disappointed. Large illustrated catalogue 25c, stamp for circular.

NORMAN POULTRY PLANT Chatsworth, Ill.

BUFFALO PORTABLE FENCING SYSTEM

Build enclosures of any size with BUFFALO PORTABLE FENCING—for chickens, rabbits and other pets. Keep them away from flowers. Permit rotation of yards.

The Buffalo Portable Fencing System is light, strong and neat in appearance. Easy to put up, easy to shift. No heavy tools needed.

WRITE for illustrated Booklet No. 70-B. Mailed upon receipt of 6c. postage.

BUFFALO WIRE WORKS CO.
(Formerly Scheeler's Sons)
475 TERRACE BUFFALO, N. Y.

WE are now booking orders for eggs for Spring delivery from the following varieties of Pheasants: Silvers, Golden, Ringneck, Mongolian, Lady Amherst, White Reeves, Swinhoe, Versicolor, Impeyan, Soemmerring, Manchurian Linnated and Prince of Wales. Golden Linnated and Prince of Wales. Also Wild Turkeys, Japanese Silkies, Longtails, Mallards, Buff Orpington and R. I. Red fowls.

We offer for sale fancy ducks, crane, swan, fine varieties of Peafowl, Deer, Jack Rabbits. Send \$1.50 for our colortype catalogue.

CHILES & COMPANY
Mt. Sterling, Ky.

HOME FOR DOGS

AT WOODSIDE, LONG ISLAND

10 minutes from Pennsylvania station, 7th Avenue and 33rd St. Conducted exclusively for boarders. Established 20 years. Unsurpassed for pet and sporting dogs. Acres of exercising grounds with secure fencing. Health, Happiness assured. No sick dogs or young puppies taken. Inspection invited. Highest references.

MRS. W. BATTS

The Kennels, Woodside, Long Island (near Woodside Station). Phone 93 Newtown



Dog Kennel No. 4 Poultry House for 200 hens—5 units No. 3 Poultry House for 30 hens

WEATHER-PROOF, vermin-proof, simple to ventilate and easy to keep clean are Hodgson Poultry Houses. They were designed to give your poultry perfect protection. Made of enduring vermin-proof Washington Red Cedar, Hodgson Poultry Houses come to you in

ready painted sections that are easily erected without skilled aid.

Write for Catalogue Today

E. F. HODGSON CO.

Room 326, 71-73 Federal St., Boston, Mass.
6 East 39th St., New York City

HODGSON PORTABLE HOUSES

The Greatest List of Gladioli in the World

That's what you'll find in our 1921 catalog—all the newest Ruffled, Plain-petaled and Primulinus Hybrid varieties. All the material that you need for the largest garden, or the best choice for a small garden you'll find in the

GoodHold Garden Book

Besides Gladioli it contains a splendid assortment of Perennials, including new and rare varieties. Then, too, the flower seeds represent the most careful selection of trained gardeners.

You will be interested in this book if you care for flowers; we'll gladly send you a copy if you send your name.

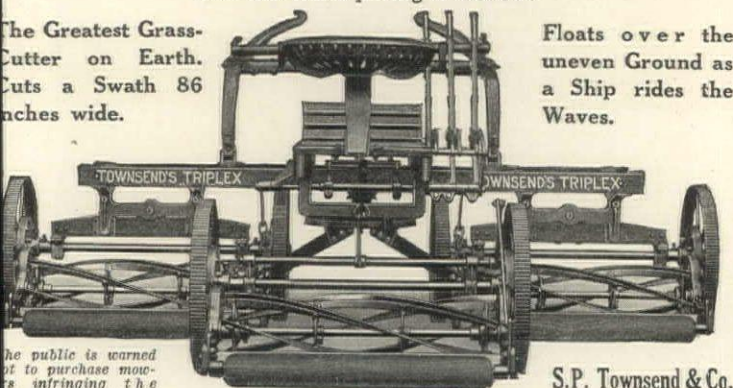
RALPH E. HUNTINGTON

Box 212 GoodHold Farms Mentor, Ohio

TOWNSEND'S TRIPLEX

One mower may be climbing a knoll, the second skimming a level, and the third paring a hollow.

The Greatest Grass-Cutter on Earth. Cuts a Swath 86 inches wide.



Floats over the uneven Ground as a Ship rides the Waves.

S.P. Townsend & Co.

244 Glenwood Ave.
Bloomfield, N. J.

Send for catalogue.

The public is warned not to purchase mowers infringing the Townsend Patent, No. 2,099,519, Dec. 19th, 1916.

Comfort!

EVEN if your front door-step is near the street, you can have seclusion—also some protection from the noise and dust of street traffic—by a screen of shrubbery and small trees.

Wisely planted, moreover, such a screen will enhance the attractiveness of the house to the passer-by—and add charm to the vistas from your own windows.

Shade trees can be so planted as to shield and cool your favorite porch corners or rooms in the summer. In winter, when you want the sunlight, it will filter through the leafless branches.

We have made a special study of the comfort uses of trees and shrubbery. Write us and let us see if we can't contribute to your enjoyment of your suburban home!

Moons' Nurseries

THE WM. H. MOON CO.

MORRISVILLE PENNSYLVANIA

which is 1 mile from Trenton, N.J.

Rain When You Want It



Made To Fit All Size Gardens and Pocketbooks

YOU may have the idea that the Skinner System of watering your garden, is something for the rich man. But you are decidedly wrong.

We have hundreds of single-lines in snug little home gardens.

Here is our good friend Evens, of Cold Water, Michigan; who goes in for Gladioli.

He is a regular fellow, who works for a living, and thoroughly enjoys a bit of gardening, in his old clothes.

He says that his exceptional crop of gladioli was due to plenty of water

when needed, and applied through the Skinner System.

He is only 5 feet 8½ inches tall, which gives you an idea of the flowers height.

Furthermore, he put up his own System.

The whole thing was ready to start the rain, in less than an hour.

Have a notion you now want our catalog.

Glad to send you one.

If you feel inclined, state length and width of garden.

The Skinner Irrigation Co.

231 WATER STREET

TROY, OHIO





ANCHOR POST WOVEN WIRE FENCES

THIS Anchor Post High Woven Wire Fence has justified its selection for the protection of the gardens and grounds at the rear of these fine homes. It effectively prevents every trespass, yet in no way offends the eye, for its simple lines are in keeping with the well cared-for appearance of the property which it surrounds.

Anchor Post Woven Wire Fences are constructed in heights ranging from 3 to 7 ft. Each steel U-bar post is "anchored" in the ground and stands rigidly erect, unaffected by frost or thaw for years of service. Every part is heavily galvanized, and the whole fence, painted a dark green, presents a handsome appearance.

A booklet, illustrating and describing these and other suitable types of fence and electrically welded railing will be gladly mailed upon request. Our agent nearest you could call and discuss any details.

ANCHOR POST IRON WORKS

167 BROADWAY - - - NEW YORK, N. Y.

Boston, Mass.....79 Milk St. Cleveland, Ohio..Guardian Bldg.
Hartford, Conn....902 Main St. Chicago, Ill...8 So. Dearborn St.
Philadelphia, Pa., Real Estate Trust Bldg.; Greenville, S. C.
Pittsburgh, Pa., Jenkins Arcade

2117-G

Our New Trade Mark!



A Guarantee Purchase

THE next time you visit your hardware merchant for

*Wrought Steel Hardware
or Carpenter's Tools*

you may be assured of a satisfactory purchase if you mention the name STANLEY. For the repair work around the house, that inclination to pound a nail, or to see the shavings curl up and fall on the floor, STANLEY Tools will give you hours of real service and pleasure.

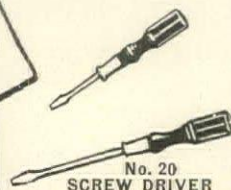
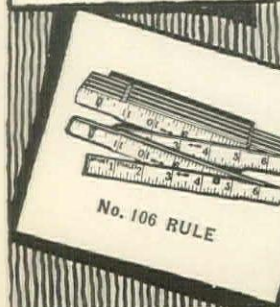
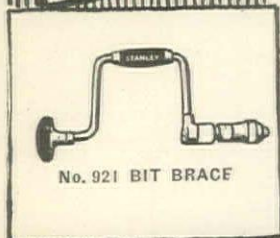
Get ready to replace the old screen hardware with new. Don't hesitate about building the new garage; build it and swing the doors on STANLEY Ball Bearing Garage Hinges.

Our advertising department will send a separate catalog of each, or one of both lines, of our products, ask for H 3

THE STANLEY WORKS

Main offices and plants:
NEW BRITAIN, CONN.

Branch offices: New York Chicago San Francisco
Los Angeles Seattle Atlanta



THERE IS GOOD REASON why so many front rank architects specify exclusively

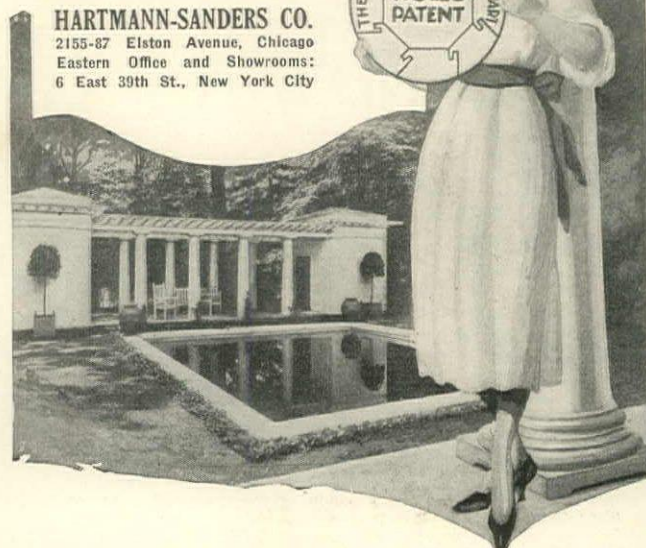
KOLL'S PATENT LOCK-JOINT WOOD COLUMNS

because they are not only attractive, but are architecturally correct and mechanically perfect.

We manufacture exterior columns from 4 to 54 inches in diameter, including hardwood staved and veneered columns for interior use.

For catalogue on Exterior or Interior Columns enclose 15c and ask for catalogue "P-47." If interested in Pergolas and Garden Accessories send 10c and ask for catalogue "P-33."

HARTMANN-SANDERS CO.
2155-87 Elston Avenue, Chicago
Eastern Office and Showrooms:
6 East 39th St., New York City



REPRINTED

A Success—Capt. X's Idea



PALL MALL
FAMOUS CIGARETTES
Rounds

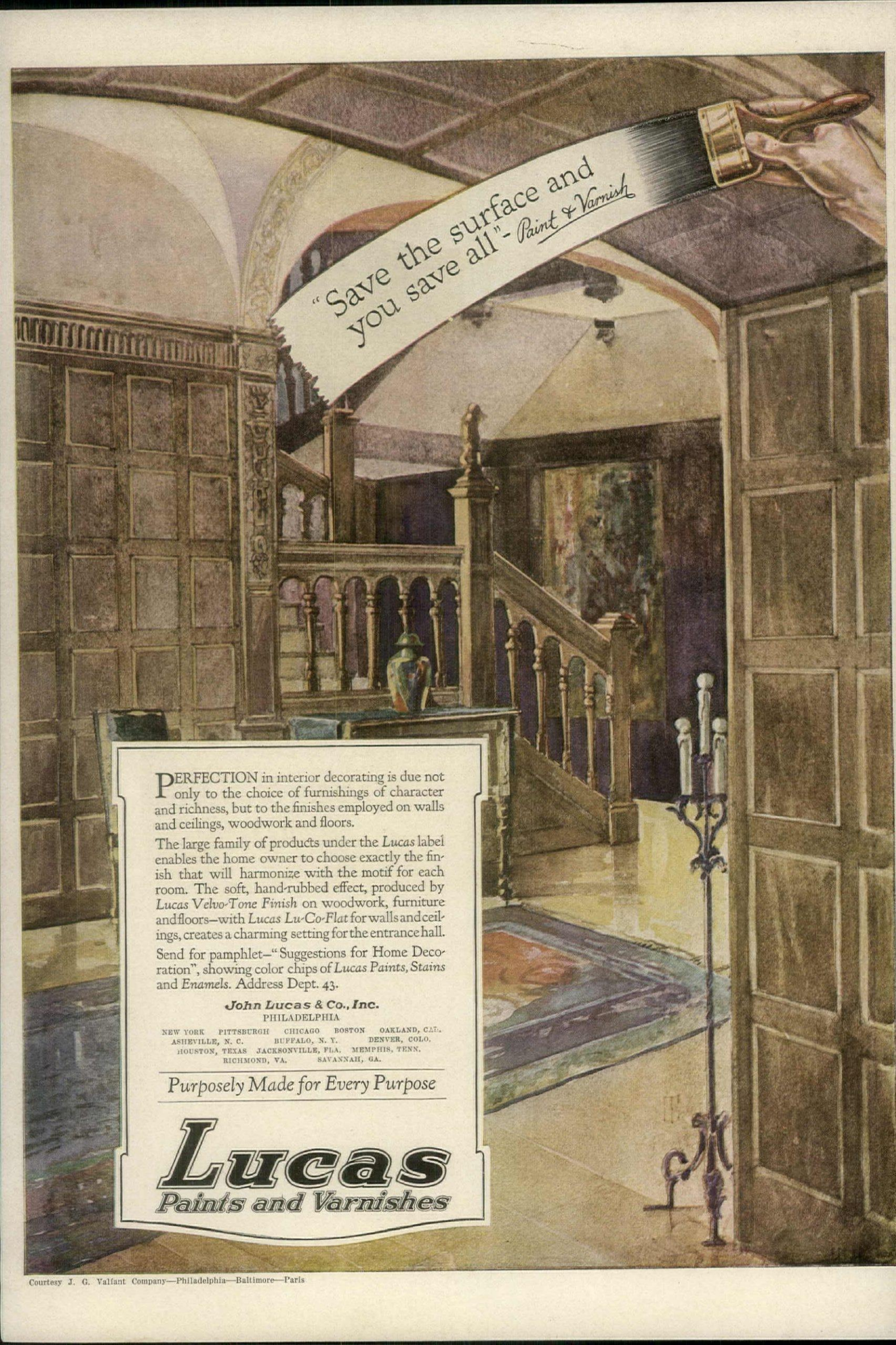


Capt. X's big idea—a round cigarette, loosely rolled, made from the famous PALL MALL blend of 42 different kinds of Turkish tobacco. A cigarette that does not have to be tapped, squeezed or loosened—a cigarette with a free and easy draught. Plain ends. "Read the story of Capt. X."

"They Are Good Taste"

20 PALL MALL ROUNDS (plain ends) in the new foil box . . . 50c

PALL MALL (REGULAR) PLAIN OR CORK, IN BOXES OF 10, 50, OR 100 AS USUAL



"Save the surface and
you save all" - *Paint & Varnish*

PERFECTION in interior decorating is due not only to the choice of furnishings of character and richness, but to the finishes employed on walls and ceilings, woodwork and floors.

The large family of products under the *Lucas* label enables the home owner to choose exactly the finish that will harmonize with the motif for each room. The soft, hand-rubbed effect, produced by *Lucas Velvo-Tone Finish* on woodwork, furniture and floors—with *Lucas Lu-Co-Flat* for walls and ceilings, creates a charming setting for the entrance hall.

Send for pamphlet—"Suggestions for Home Decoration", showing color chips of *Lucas Paints, Stains and Enamels*. Address Dept. 43.

John Lucas & Co., Inc.
PHILADELPHIA

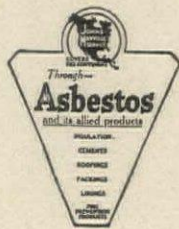
NEW YORK PITTSBURGH CHICAGO BOSTON OAKLAND, CALIF.
ASHEVILLE, N. C. BUFFALO, N. Y. DENVER, COLO.
HOUSTON, TEXAS JACKSONVILLE, FLA. MEMPHIS, TENN.
RICHMOND, VA. SAVANNAH, GA.

Purposely Made for Every Purpose

Lucas
Paints and Varnishes



JOHNS-MANVILLE COLORBLENDE ASBESTOS SHINGLES *The Aristocrat of Firesafe Roofings*



HERE permanence and beauty are achieved without architectural compromise. Distinctive in its rich harmony of tones, a Colorblende roof of Johns-Manville Asbestos shingles is doubly desirable for its endurance and fire safety.

Other Johns-Manville Asbestos roofings are Built-Up Asbestos for flat roofs, Ready Roll Asbestos for sloping roofs, Corrugated Asbestos for skeleton framing; all given highest ratings by Underwriters' Laboratories, Incorporated.

Booklet in colors showing a number of interesting Colorblende roofs will be sent for the asking.

JOHNS-MANVILLE, Incorporated

Madison Avenue, at 41st Street, New York City
Branches in 64 Large Cities

For Canada: CANADIAN JOHNS-MANVILLE CO., Ltd., Toronto, Ont.



Reproduction from a painting in oil of the beautiful estate of Governor Frank O. Lowden, at Oregon, Ill.

Among prominent persons and places served by
Davey Tree Surgeons are:

COL. L. P. COLT
CHARLES M. SCHWAB
CHARLES A. WIMPFHEIMER
THATCHER N. BROWN

JOHN D. LARKIN
MRS. JESSIE MYERS HILTON
A. W. SHAW
OHIO STATE CAPITOL



JOHN DAVEY
Father of Tree Surgery

"I'll let it wait." The death sentence of many a fine, patrician tree has been pronounced when its owner said, "I'll let it wait."

Decay does not "wait." Decay results from disease that gives no quarter. It eats grim progressiveness into the living wood-tissue of trees. To neglect it is dangerously, fatally fatal. The regrading of a lawn, repair of a drive, building alterations—these you can "put off" if something must wait. But you cannot ignore the mute appeal of your trees for help.

Trees are *living, breathing* things. The attacks of disease and insect enemies, the ill-effects of hunger and thirst and other adverse conditions are dangers that must be discovered and checked without delay—or it will soon be too late. Often the untrained eye cannot detect the menace. A splendid, vigorous tree *looks* to be in the bloom of health; but it may be weakened by hidden decay that it is but a shell, ready to crash to earth in the first high wind.

To "put off" examination and treatment of your trees also means increased cost. decay cavities can be quickly and economically treated by real Tree Surgeons. As trees grow larger, the cost of saving the tree becomes proportionately greater.

For your priceless trees you will want Tree Surgeons of unquestioned skill and established responsibility. Davey Tree Surgeons have, during a generation of honest service, met the highest expectations of thousands of America's estate owners.

Do you know the true condition of your trees? You certainly ought to—you owe it to yourself. Davey Tree Surgeons will, by appointment, give them a careful examination and render an accurate report. Illustrated booklet sent upon request.

THE DAVEY TREE EXPERT CO., Inc., 503 Elm St., Kent, Ohio

Branch Offices with telephone connections: New York City, Astor Court Bldg.; Chicago, Westminster Bldg.; Philadelphia, Land Title Bldg.; Boston, 19 Pearl Street, Wakefield; St. Louis, Central National Bank Bldg. Write near home for list of branches.
Permanent representatives available in districts surrounding Boston, Springfield, Lenox, Newport, Hartford, Albany, Poughkeepsie, White Plains, Jamaica, Montclair, New York, Philadelphia, Harrisburg, Baltimore, W. Richmond, Buffalo, Toronto, Pittsburgh, Cleveland, Cincinnati, Detroit, Louisville, Chicago, Milwaukee and Canada: 252 LaGauchiere West, Montreal

DAVEY TREE SURGEONS

Every real Davey Tree Surgeon is in the employ of The Davey Tree Expert Co., Inc., and the public is cautioned against those falsely representing themselves. An agreement made with the Davey Company and not with an individual is certain evidence of genuineness.

COMPARISON



NOT to burden you with details of construction, but to show by comparison the extra weight and superiority of a Jenkins Valve, half sections of a genuine Jenkins and a common valve are illustrated. Both valves are for a one inch pipe and were photographed on the same plate at the same exposure.

Plumbing, no matter how good or how carefully installed, needs heavy, well-made valves if permanent satisfaction is to be derived from it. The light, cheaply made valve becomes leaky and troublesome. But a "Jenkins" with its added weight and careful construction does not leak and always may be opened easily and closed tightly.

Jenkins Valves are used when it is the desire to have plumbing the best in every detail. If you intend to have the best of everything in your home, permit your architect to specify and your contractor to install genuine Jenkins "Diamond Mark" valves for plumbing and heating.

We have for free distribution booklets on plumbing and heating—send to nearest Jenkins office for copies.

JENKINS BROS.

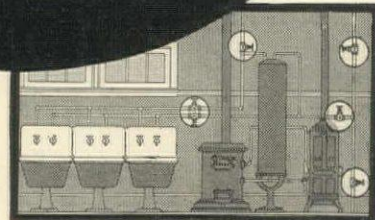
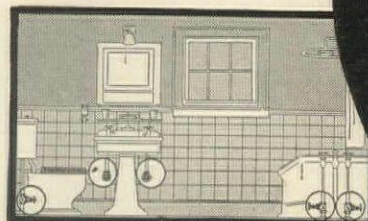
80 White St.....New York
524 Atlantic Ave.....Boston
133 No. Seventh St.....Philadelphia
646 Washington Blvd.....Chicago

St. Louis Pittsburgh Washington San Francisco Havana

JENKINS BROS., Limited

103 St. Remi St., Montreal, Canada
6 Great Queen St., Kingsway, W.C.2, London, England

FACTORIES: Bridgeport, Conn.
Elizabeth, N. J., Montreal, Canada.



In bathrooms, lavatories, kitchen, basement, and where there are other water outlets Jenkins Valves installed as emergency shut-off valves permit water to be turned off immediately in case of leaky faucet or other trouble without disturbing supply to other parts of the house. Should be installed on gas supply lines for same purpose.

Jenkins Valves

SINCE 1864



YOUR SUMMER HOME As Comfortable As Your Town House

It is easy to entertain your friends as you would like to do it. You can have plentiful electric light for both house and garage. Your bathrooms, kitchen and garage can have hot and cold running water at all times. You can use your electric toaster and percolator. And both these—water and electricity—from one dependable Kewanee plant. Write for free booklet giving full information.

KEWANEE PRIVATE UTILITIES COMPANY

401 South Franklin Street

Kewanee, Illinois



KEWANEE



Water Supply, Electric Light, Combination Electric Light and Water Supply, Sewage Disposal Systems.



Does Not Burn Gas, Wood, Oil or Coal!



Residence of W. J. Bratbard, Scarsdale, N. Y.
Architect, A. J. Bodker
Equipped with Kernerator

All the fuel required in the Kernerator is the dry waste that is thrown in the handy, kitchen hopper door. This dry waste falls down into the incinerator in the basement, and, in burning, dries the garbage so it burns, too.

KERNERATOR Built-in-the-Chimney

—a brick incinerator, built in the base of the chimney when the building is erected. Burns all refuse—garbage, wrapping paper, rags, cardboard boxes, faded flowers—without odor or expense. Disposes of bottles, cans and other non-combustible material. Abolishes garbage cans forever. Costs not one penny to operate.

If you intend to build, our latest catalog will interest you. A postal mailed today will bring it to you.

SANITARY—ECONOMICAL
CONVENIENT—ODORLESS

KERNER INCINERATOR CO.
615 Clinton Street Milwaukee, Wis.



Drop All Waste Here—Then Forget It

HODGSON *Portable* HOUSES

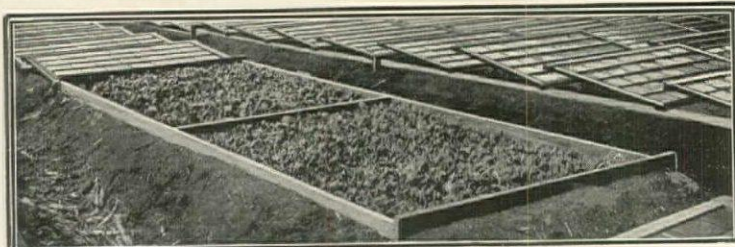
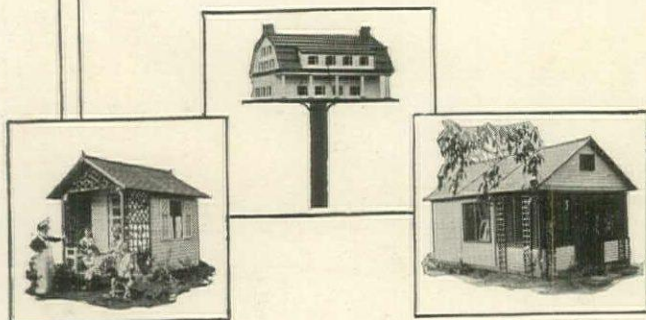
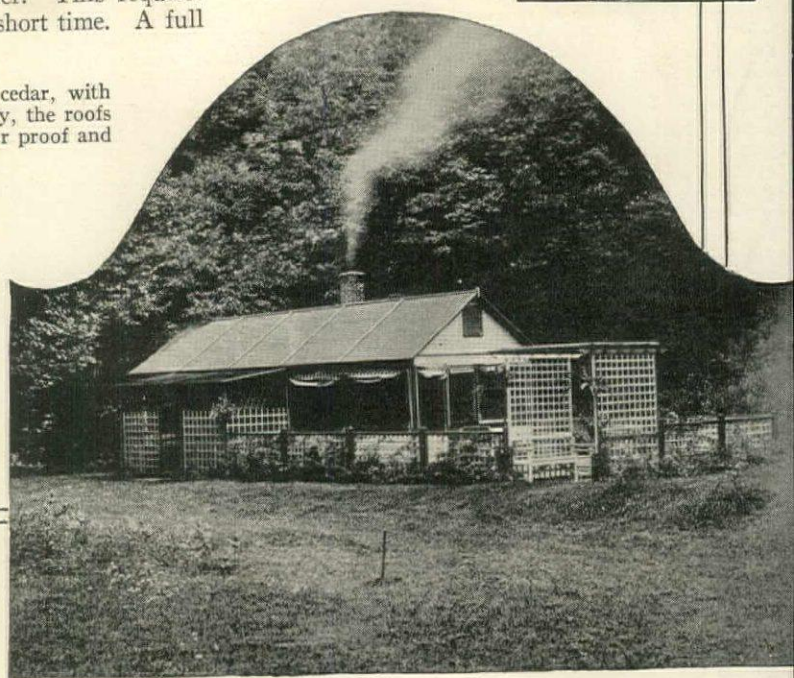
LET us be your architect and builder of an artistic, sturdy, comfortable house. Look through the pages of the Hodgson Portable House Catalog and pick out the one that suits your taste and fits your requirements. There are houses for every purpose. Cottages for the shore, summer bungalows, playhouses, churches, school houses and garages.

Hodgson Portable Houses come to you in painted sections that are ready to be erected. Everything is done excepting bolting them together. This requires no skilled help. You can do it yourself in a surprisingly short time. A full set of simple directions accompany the house.

Hodgson Portable Houses are made of durable Washington red cedar, with frames of the finest quality Oregon Pine. The sections fit so tightly, the roofs and walls are so perfectly made, that the house is absolutely weather proof and solid. Fireplaces and cellars are easily added.

Your order should be placed at once. Write for the catalog today.

E. F. HODGSON CO.
Room 226—71-73 Federal Street, Boston, Mass.
6 East 39th Street, New York City



Sunlight Double-Glazed Sash

Insures Positive Results; Earlier and Hardier Plants With Less Work

Begin to harden off your plants NOW under Sunlight Double-Glazed Sash and you will have them ready for the outdoor bed two to three weeks before your earliest neighbor.

The Working Principle of Sunlight Double-Glazed Sash

consisting of two layers of glass, $\frac{3}{8}$ inch apart—form a transparent blanket over the bed, letting in all the light all the time. No covering is needed, hence no mat or shutter nuisance, no worry, no trouble. The Cold is excluded, the heat retained, even in the most severe weather.

SUNLIGHT DOUBLE-GLAZED SASH mean a successful garden and strong, healthy and hardy plants.

Write for Free Illustrated Catalog. It contains valuable advice and information for Amateur Gardeners. You will find it interesting.

Sunlight Double-Glass Sash Co.

Division of
Alfred Struck Co., Inc.
Established 1860

944 E. Broadway Louisville, Ky.

Sunlight Double-Glazed Greenhouse

Get one of these inexpensive Sunlight Double-Glazed Greenhouses. They are made entirely of cypress and glass, easily heated and can be operated at very little expense. Sunlight Double-Glazed Greenhouses come ready to put up and are easily erected.

The Outside Timbers and Boarding of this House are stained with

Cabot's Creosote Stains



W. F. Dominick, Architect, N. Y.

All kinds of Exterior Lumber can be Stained at less than half the cost of Painting

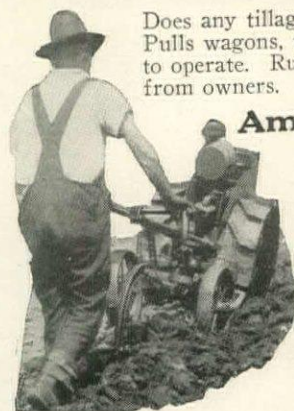
The Coloring Effects are much handsomer, because the Stains are transparent and bring out the beauty of the grain and texture of the wood, while a painty coating covers and spoils it. Cabot's Stains cost 50% less than paint, look 100% better, and wear just as long, or longer.

The Creosote penetrates and thoroughly preserves the wood.

You can get Cabot's goods all over the country
Send for samples and name of nearest agent

SAMUEL CABOT, Inc., Mfg. Chemists, 11 Oliver St., Boston, Mass.

Plows—Cultivates—Harrows—Disks



Does any tillage task quicker, better and cheaper than a horse. Pulls wagons, mowers and other one-horse implements. Easy to operate. Runs exactly where you want it. Send for letter from owners.

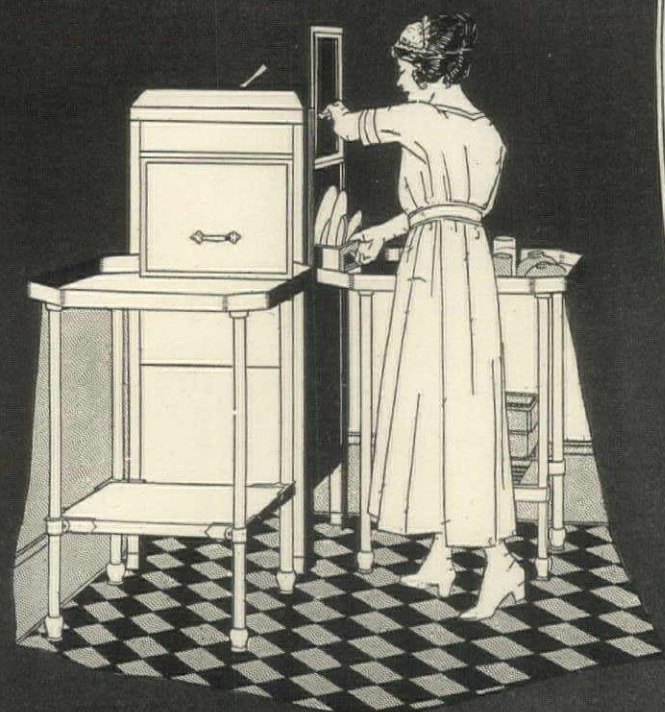
America's Pioneer Small Tractor

In use four years by gardeners, farmers, florists, orchardists, owners of big estates and suburban tracts; 4 h. p. on belt for stationary machinery. See your Beeman dealer or write for beautifully illustrated folder.

BEEMAN TRACTOR COMPANY
304 Sixth Ave., South, Minneapolis, Minn.

BEEMAN
Multi-Service Tractor

For The Better Class of Homes —The Electric Dish Washer



THE Crescent Electric Dish Washer provides the better class of homes with a convenience which does much to solve the servant problem.

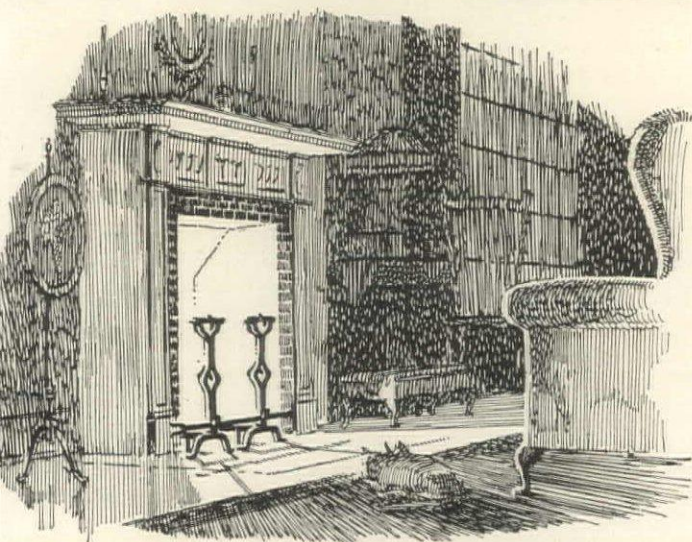
It also insures the owner's being served on dishes which are many times *cleaner* than hand washed dishes. A chart which appeared in a recent issue of Literary Digest, explains this point. Sent upon request.

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

A card will bring information.



CRESCENT WASHING MACHINE COMPANY
126 Beechwood Avenue New Rochelle, N. Y.



"Let's Build a Fire!"

Magic words that mean hominess, comfort, well-being. Hearth and home are inseparable—a congenial center of happy family life.

Cahill Fireplace Fixtures

have brought the charm of the open fire to thousands of homes. Thoroughly useful in the chill months, yet an all-year decorative appointment of distinctive appearance. Period designs of rare pattern, reproduced in wrought iron—and by skilled artisans.

You'll like our new illustrated folio—full of attractive suggestions—and it's yours for the asking. Write us now.

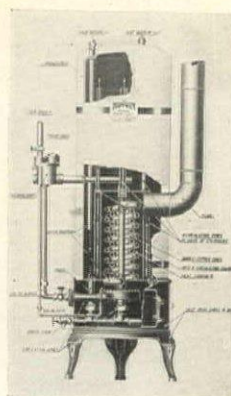
Address Department G

CHATTANOOGA ROOFING & FOUNDRY CO.
CHATTANOOGA TENNESSEE



The Master Storage System

A New Hoffman Product



AN AUTOMATIC
STORAGE SYSTEM—
especially designed to
meet low pressure gas
and water conditions.

Extremely satisfactory for use with gravity plumbing systems, handling soft water or any similar conditions which are not met satisfactorily by the automatic instantaneous heater.

As simple and easy to install as the regulation kitchen boiler, and will furnish a hot water service that cannot be equaled by any other system.

The
Hoffman
Heater Co.
Oberlin Ave.
and Nickel
Plate R. R.,
Lorain, Ohio.

Please send me your
booklet. No obligation.

The Hoffman Heater Co.
Lorain, Ohio

State.....
City.....

Address.....

Name.....

Please also send me the name of nearest dealer.



Exploding an Old Theory of Home Building

Cracked plaster from "settling" CAN be avoided

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).

Today it's different.

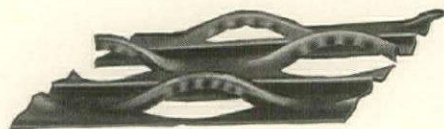
Your very first wall and ceiling decoration can be a lasting investment.

Bostwick Truss-Loop Metal Lath—steel sheets cut and pressed into rigid, bridge-like trusses and plaster-gripping loops—solves the plaster problem once and for all. Three cents or less of your home-building dollar buys the extra strength, permanence and *fire-safety* brought about by using Bostwick Truss-Loop in place of fire-feeding wood lath.

The lasting beauty of your home, the safety of your loved ones, the permanence of your investment all call for your insistence on Bostwick Truss-Loop.

Architects everywhere favor it—contractors anywhere can install it. Send for special home builders' booklet.

Bostwick
TRUSS-LOOP
METAL
LATH



The Bostwick Steel Lath Co.

Niles, Ohio



House & Garden

CONDÉ NAST, *Publisher*
 RICHARDSON WRIGHT, *Editor*
 R. S. LEMMON, *Managing Editor*

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 satinwood, 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



A house on a hillside is among the illustrations of the April number

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.

Contents for March, 1921. Volume XXXIX, No. Three

COVER DESIGN BY H. GEO. BRANDT		THE PLANTING FOR THE HOUSE FOUNDATION.....	38
A STUDY IN GARDEN TEXTURES.....	22	Charles S. Le Sure	
SOME GARDENS AT BAR HARBOR.....	23	CONSIDER THE GARDENER.....	40
Mervin James Curl		Ellen P. Cunningham	
THE HOME OF MEREDITH HARE, HUNTINGTON, L. I.....	26	A LITTLE PORTFOLIO OF GOOD INTERIORS.....	41
Charles A. Platt, Architect		EXPERIENCES WITH DAHLIAS.....	44
THE SPRING AND FALL OF MAN.....	28	Josiah T. Marean	
WHEN YOU THINK OF A HOUSE IN THE COUNTRY.....	29	THE GARDEN OF R. P. SNELLING, BEVERLY FARMS, MASS.....	46
Charles A. Platt, Architect		Rose Standish Nichols, Landscape Architect	
THE OLD SILVER OF ERIN.....	30	HOUSE & GARDEN'S GARDENING GUIDE.....	47
Gardner Teall		AMERICAN ANTIQUES IN ITALY.....	50
HOW TO MAKE LIVABLE ROOMS OF GREEN.....	32	H. D. Eberlein and Robert B. C. M. Carrere	
Ethel Davis Seal		AT THE FOOT OF THE BED.....	52
RANDOM NOTES IN MY GARDEN.....	33	A GROUP OF FIVE SMALL HOUSES.....	53
Mrs. Francis King		THE DECORATIVE QUALITY OF POTTERY BIRDS.....	56
A LATTICED FORECOURT.....	34	Margaret McElroy	
Prentice Sanger, Landscape Architect		THE KNIFE LIFE OF THE KITCHEN.....	58
THE QUALITY OF CANDLE LIGHT.....	36	Ethel R. Peyser	
Leonard Chittenden		TO HELP THE FLOWERS BLOOM IN THE SPRING.....	59
TREES AND THE HOUSE.....	37	THE GARDENER'S CALENDAR.....	60
Brown & Whitesides, Architects			

Subscribers are notified that no change of address can be effected in less than one month.

Copyright, 1921, by Condé Nast & Co., Inc.
 Title *HOUSE & GARDEN* registered in U. S. Patent Office

PUBLISHED MONTHLY BY CONDÉ NAST & CO., INC., 19 WEST FORTY-FOURTH STREET, NEW YORK. CONDÉ NAST, PRESIDENT; FRANCIS L. WURZBURG, VICE-PRESIDENT; W. E. BECKERLE, TREASURER. EUROPEAN OFFICES: ROLLS HOUSE, BREAMS BLDG., LONDON, E. C.; PHILIPPE ORTIZ, 2 RUE EDWARD VII, PARIS. SUBSCRIPTION: \$3.50 A YEAR IN THE UNITED STATES, COLONIES AND MEXICO; \$4.00 IN CANADA; \$4.50 IN FOREIGN COUNTRIES. SINGLE COPIES, 35 CENTS. ENTERED AS SECOND CLASS MATTER AT THE POST OFFICE AT NEW YORK CITY

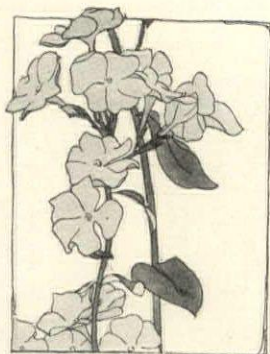


Curl

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 turf-ed 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

HE thing that kept Diocletian down was his lack of travel. Could he have sailed around the matchless rock heads of Mount Desert, Maine, and landed strolled through Bar Harbor, his cabbages d have suffered, but how the man would gained! For it is not possible to be d exclusively to cabbages when you can through your garden in the cool of the ng 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



The regular planting of the Murray Young garden, its bright colors set off by the dark spruces and pines, softens to informality along a low stone wall. The crests of Flying Squadron and Champlain mark the skyline

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.

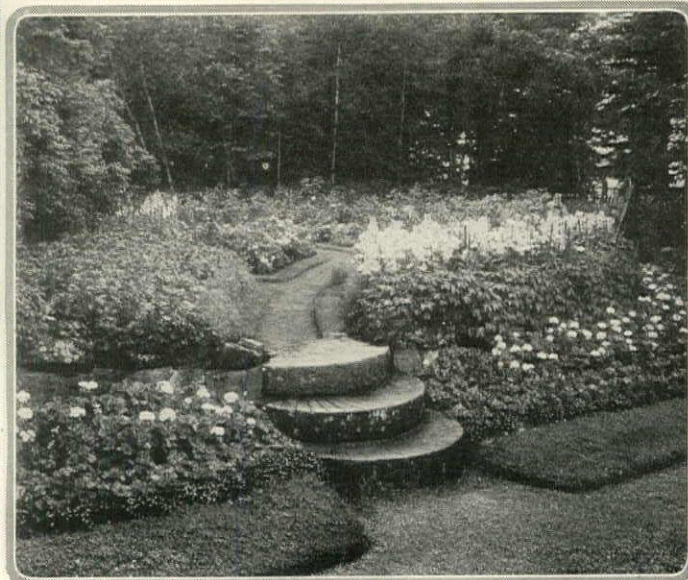
There is a reason for this perfection of gardens. Where wild flowers grow in profusion and strength, there will a well-watched garden thrive. Mount Desert is the very home of wild flowers. Professor M. L. Fernald, of Harvard University, wrote after twenty-five years of investigation, "This extraordinary 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



When wild flowers, like the meadow rue in the Farrand garden, are transplanted with care they attain wonderful size and profusion of bloom. Against the dark green of the forest wall they show to perfection. Mrs. Farrand herself designed the garden scheme

The charm of different levels is evident in the garden of Mrs. John S. Kennedy. Three old millstones have been set in as steps, flanked by a low retaining wall with geraniums bedded at its base. Here, as in other Bar Harbor gardens, trees form the background



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, where-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)

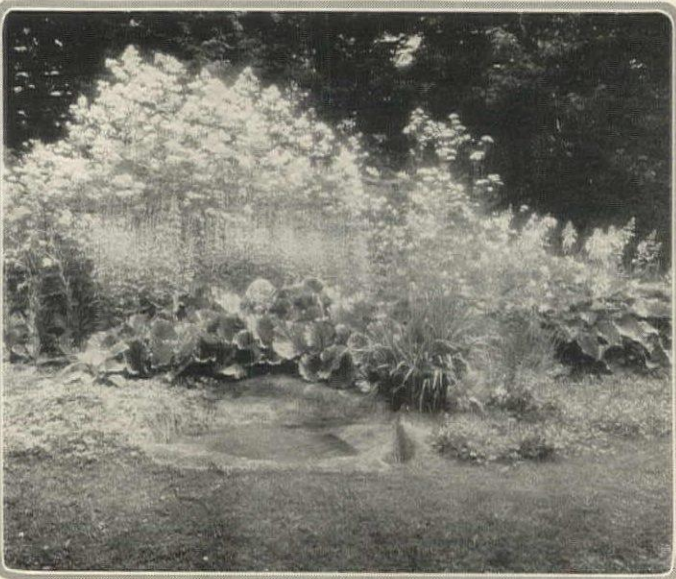


Mrs. Scott's garden has all the charm of complete seclusion within its wall of birches and spruce, as well as a fine amplitude of lawns, the colors of the flowers, and the friendly gables of the house showing above the trees



Where the little stone bird bath, the bluebells, the meadow rue and other lesser plants unite to form a pleasant place of intimacy against the evergreens that surround the Farrand garden. Here bird life centers about the constant lure of water and seclusion

The planting among the rocks that circle the Sieur de Mont's spring is of native grasses and flowers like thoroughwort and hardhack, a scheme of simplicity and great charm. The spirit of the North is apparent in all the surroundings





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 one catalog isn't enough, he assumes a learned air and shows you. "Now Dreer lists only five varieties of aquilegia—that's columbine—but Sutton shows twelve! Or take calceolaria—three varieties in Dreer, 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 witloof; he knew nothing farther south than abronia, nothing farther north than zinnia. I used to respect his judgment, but my regard began to wane when I saw him lose his balance over the pictures in the catalogs. He actually believed that onions could grow as big as a hat, carrots like thighs and lupins as tall as a steeple. It was fortunate that he caught religion.

THE second temptation becomes a veritable field day, a saturnalia, an orgy, an hilarious bust. Let the maples begin to leaf, and he drops his old, steady life, his regular habits, his friends of long standing—and he disappears.

Planting, he'll explain. Nothing of the sort. He's gone on a seed drunk; that's what he's done. He's bought far more seeds than he could afford, far more than he ever can bring to flower, and he's sticking them into the ground.

There's my friend, S—, the editor, who went to France last year, ostensibly on magazine business. The gay lights of Paris had no peculiar temptation for him; in fact, his wife assures me that he was in bed before ten almost every night. So far as she knew, he escaped Paris unscathed. Ah, but how he had deceived her! In December there arrived three mysterious parcels from a seedsman in Versailles.

He opened them boldly in front of her. Seventy packets of various aster seeds, fourteen of gaillardia, eight of marigold, six of Baby's 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 a 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. Though he has the good old name of candytuft, which satisfied generations, he dubs it calceolaria! 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 a succulent word as "salpiglossis", "scabiosa", "sphenogyne". In his exalted moments he will show what a great man he is by pronouncing "sisyrinchium", "hemerocallis", "portenschlogiana", "escscholtzia", and "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'll earn his bread by the sweat of his brow—and be proud of it! 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 flirting 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, and 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 nymphae 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 or you've passed inside its gate.

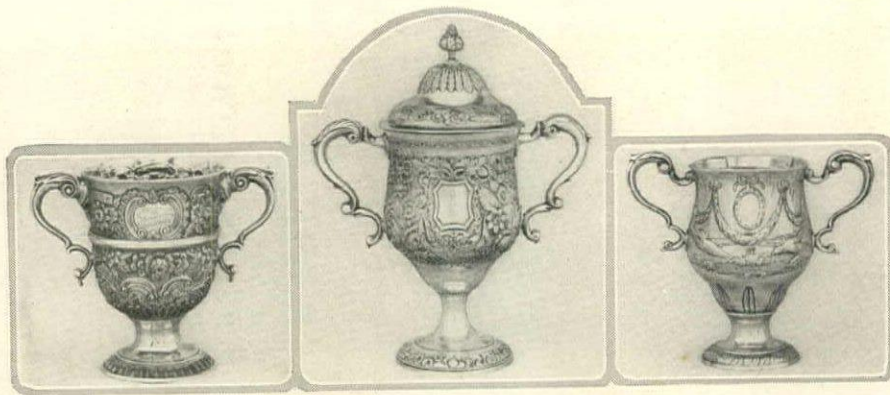


Gillies

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



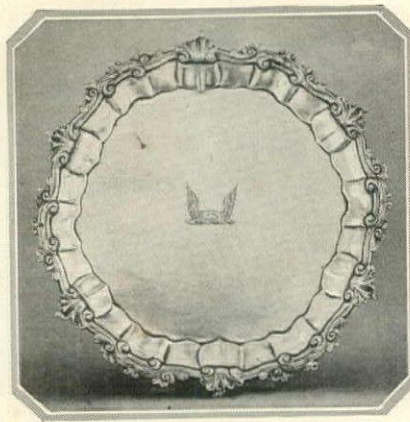
These two loving cups and the cup and cover date from the end of the 18th Century

THE OLD SILVER OF IRELAND

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

GARDNER TEALL

IN 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 Barker'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 pleas-



From Cork, being the design of William Reynolds, came this beautiful tray



The work of the Irish silversmiths 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

ure in being a poor man? or can those ne black clothes which you wear now, and are careful to keep brushed, since we have become rich and finical, give you half the honest vanity, with which you flaunted it about in the overworn suit—your old corbeau—for four or five 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 had 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 with 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 Colnaghy and to buy a wilderness of Lionard. Yet do you?"

Would, dear reader, that I could hold out the hope of obtaining any bit of old Irish silver antedating the middle of the eighteenth century, at even the sacrifice which Cousin Betty and her countrymen were called upon by their acquisitions



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



This pair of candlesticks dates from the 18th Century, a prolific era in the making of Irish silver



The first is a coffee spoon showing unusual decorations on handle and bowl; the second a sugar spoon. Both from 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 sugar sifter, which is of elaborate design, and the coffee spoon both were made in the 18th Century by Irish silversmiths



Tankards are not an unusual form to find in Irish silver



Lion feet give this cream pitcher its unusual aspect

treasures they seek are apt to be found. We may still discover precious books, rare prints, delectable china, a thousand and one other things dear to the collector's heart here, there and elsewhere in Bargain Land, but old Irish Silver before 1750—it seems cruel to break faith in miracles.

How be it, may there not chance to exist those who can find some satisfaction in collecting with the Inner Eye? Some too who may discover in their ancestral or nearly ancestral posses-

(Continued on page 78)



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 silver. Illustrations by courtesy of the Metropolitan Museum of Art

HOW TO MAKE LIVABLE ROOMS OF GREEN

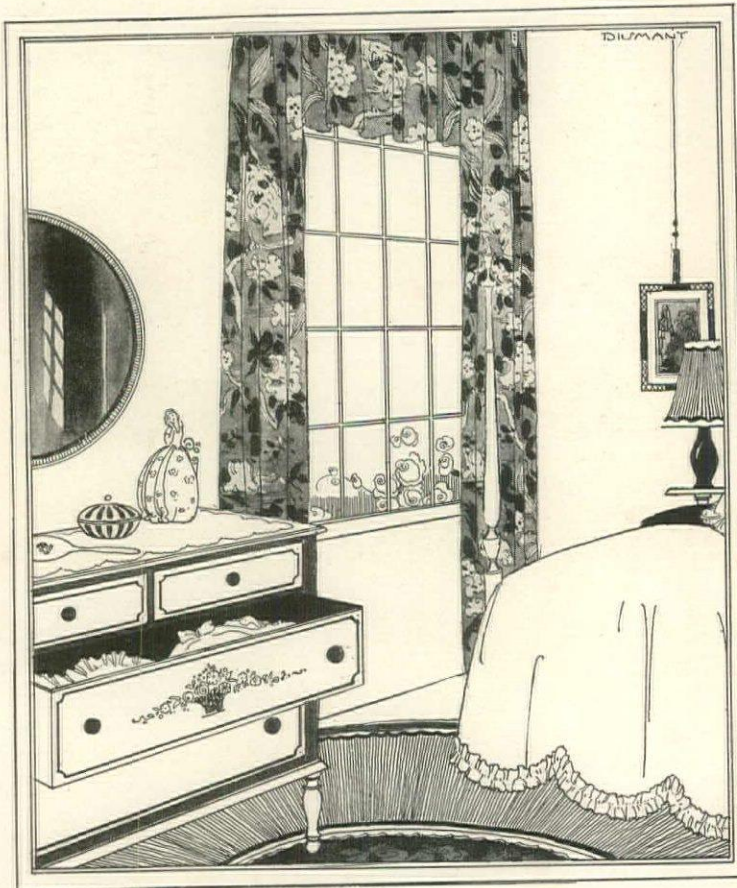
*By Choosing the Right Shades and Combining With Them Harmonious Colors
Something of Nature's Softness is Produced*

ETHEL DAVIS SEAL

THERE 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-

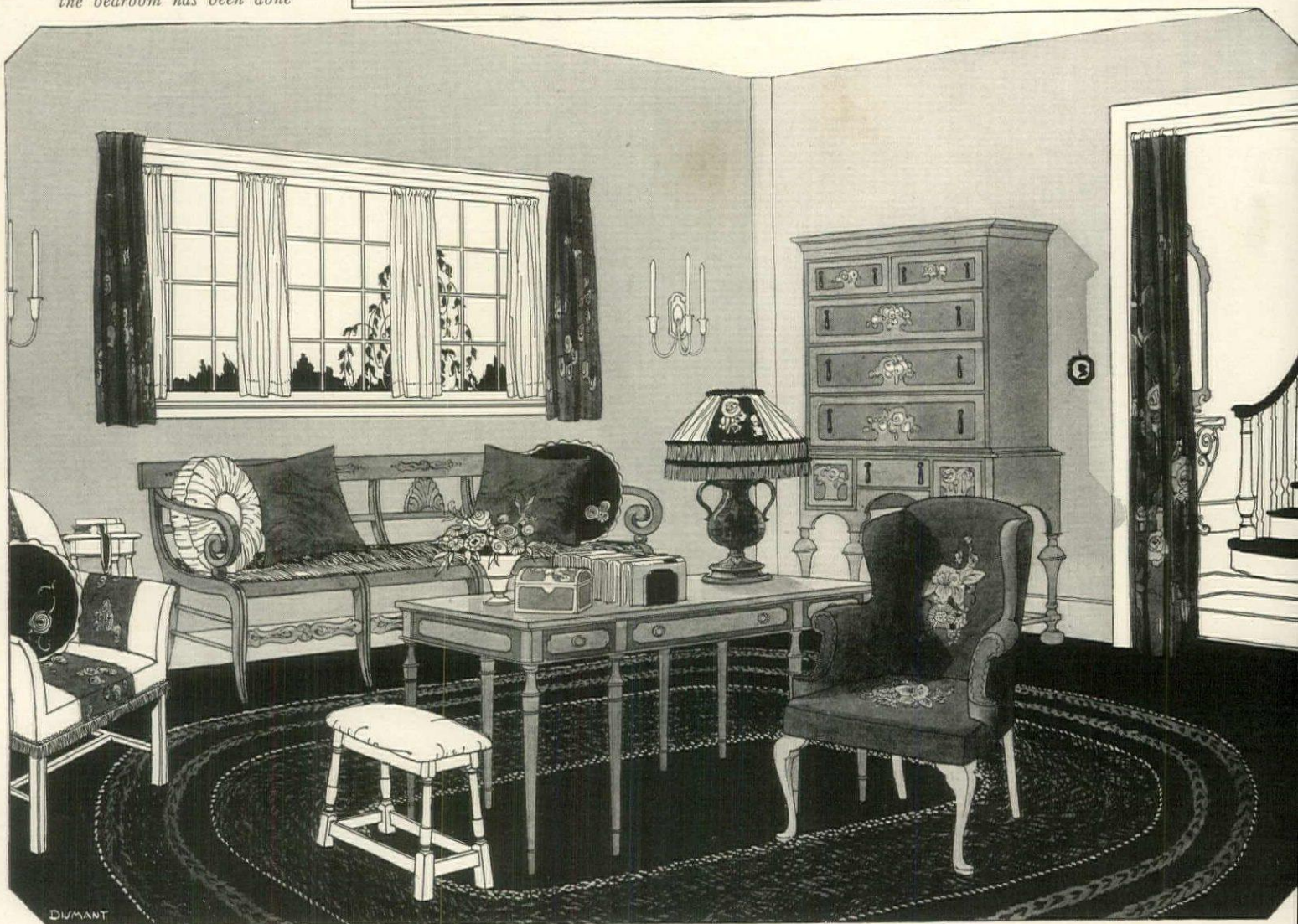
Oyster white walls, a mauve floor, a green, black and lavender hooked rug; lavender furniture trimmed with black and jade; bedspread of jade green taffeta quilted in mauve; cretonne drapes of green, mauve and rose. Thus the bedroom has been done

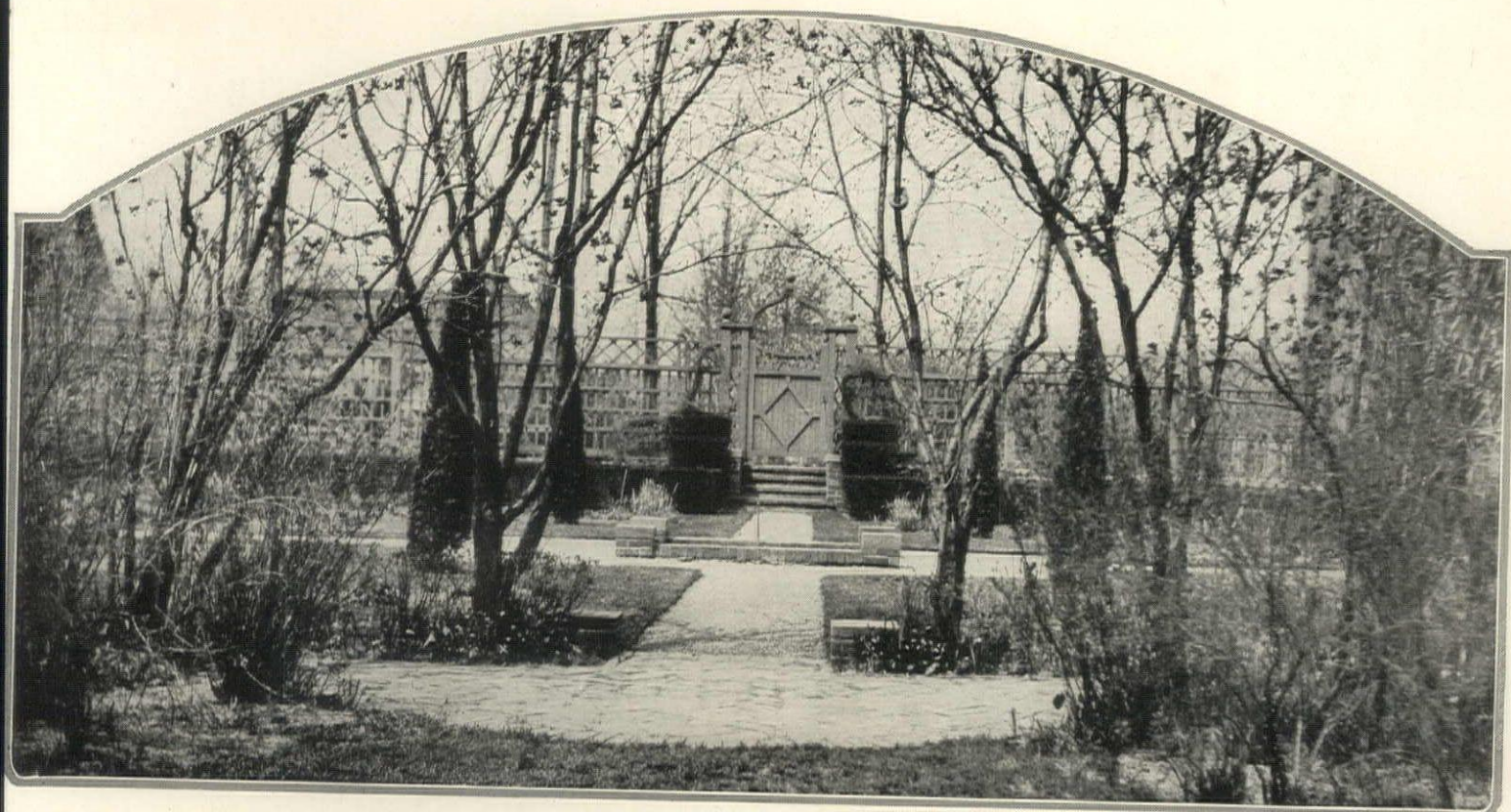


son there is no harshness of color, no cumbersome masses, no soggy luxuriance: the miracle of an emerald field is throwing into strange relief by the surrounding drabness of tone; the pale green leaves hover over the trees like a perfume; the dead vines of winter clinging to the sides of the houses quiver with life and a faint aura of green creeps in the wake of the sun; green shuts its loom into prominence as decorative notes that blend with the vines, fields and the trees; shy flowers spring out of the turf, blossoms hide in the woods close to the green 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)

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 lilac leaf, soft and tinged with a delicate silvery gray





Where the main garden gives on the grassy slope of the orchard a little fan-shaped space of brick lies beneath the shelter of two flanking apple trees. Here, in spring, daffodils and tulips, puschkinias and dwarf iris help to make gay one of those garden meeting spots of which one loves to dream on winter evenings

AND OM NOTES IN MY GARDEN

Wherein Are Recorded Some of the Little Things that Count in Building Up the Garden Scheme, and the Large Pleasures They Afford

MRS. FRANCIS KING

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 er, plant, tree. How can those who do garden, who have no part nor lot in the t fraternity, who watch the changing year t affects earth and its growth, how can e keep warm their hearts in winter? They as those who have no e. A winter day of the est may glow and shine thoughts of summer, always provision must e been made for the mer by burying the s, by covering the ro- s of the Canterbury bell e cut stalks which mark delphinium root's por- of the garden. These ngs properly accom- ed, the fancy may hap- dwell in winter upon rosy tulip, the golden dil, the campanula's round bells and upon kspur lifting turquoise spires er than the sorcerer's fires—"

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 benches 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 growing almost to the height of the young apples, by *Spirea arguta* and by a few *deutzias*, well grown.

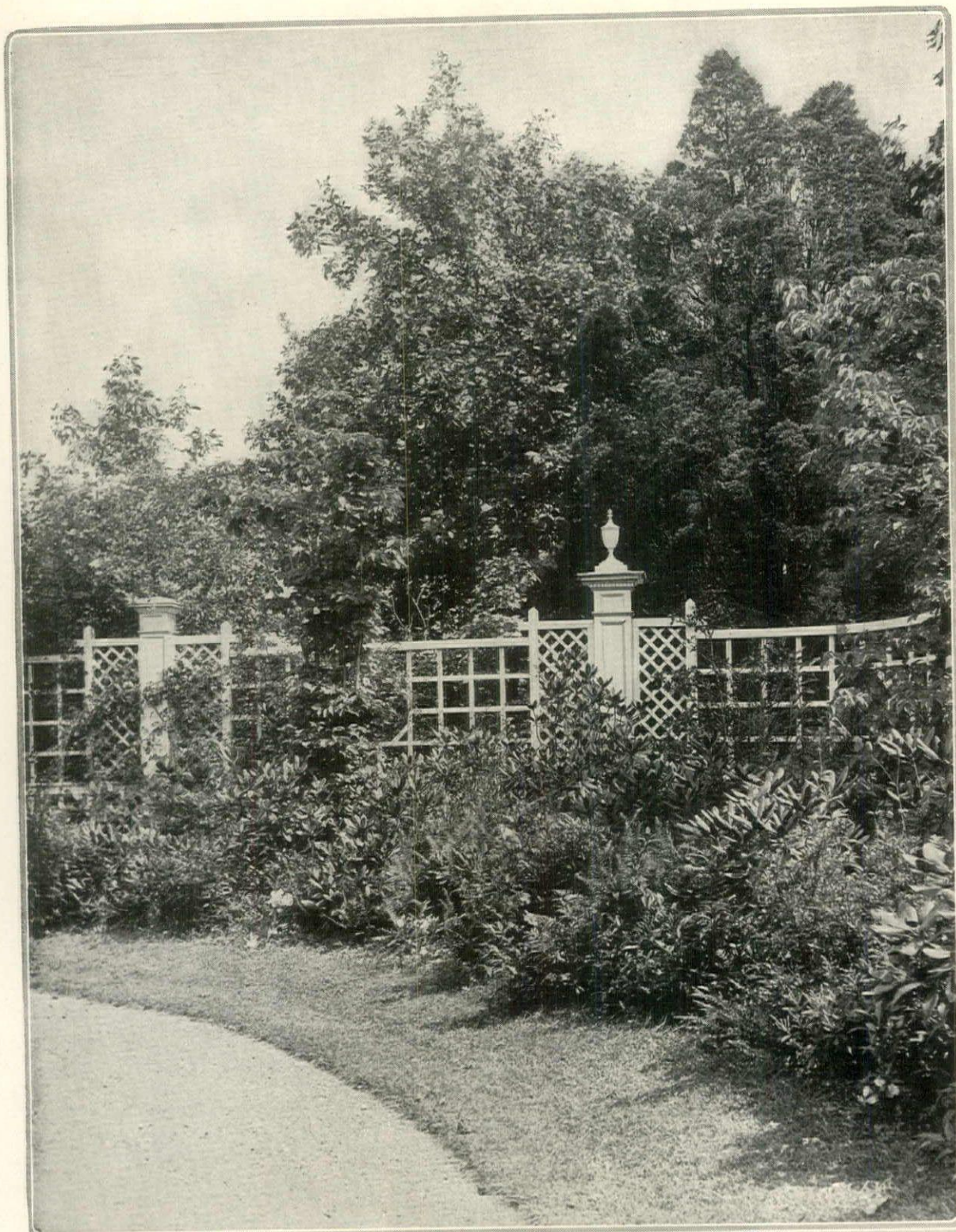
But now the frequent occupation of those chairs began to leave its mark upon the grass, worn spots ap- (Continued on page 62)



*In the shadow beneath shrubs, and overtopped by *Ariadne narcissus*, May finds the blue blossoms of *mertensias*. Scarcely eight inches high, but they gleam like sapphires, each flower panicle beautifully rich in color and effect*

A LATTICED
FORECOURT*on the*ESTATE OF
MRS. ROBERT
HAGER, Jr.

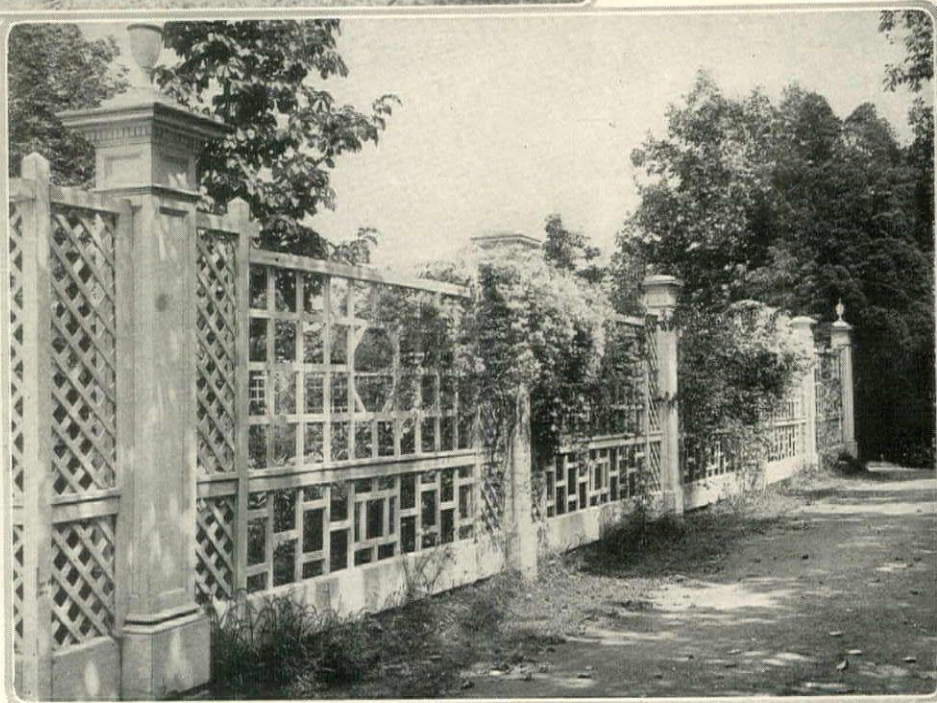
OYSTER BAY, L. I.

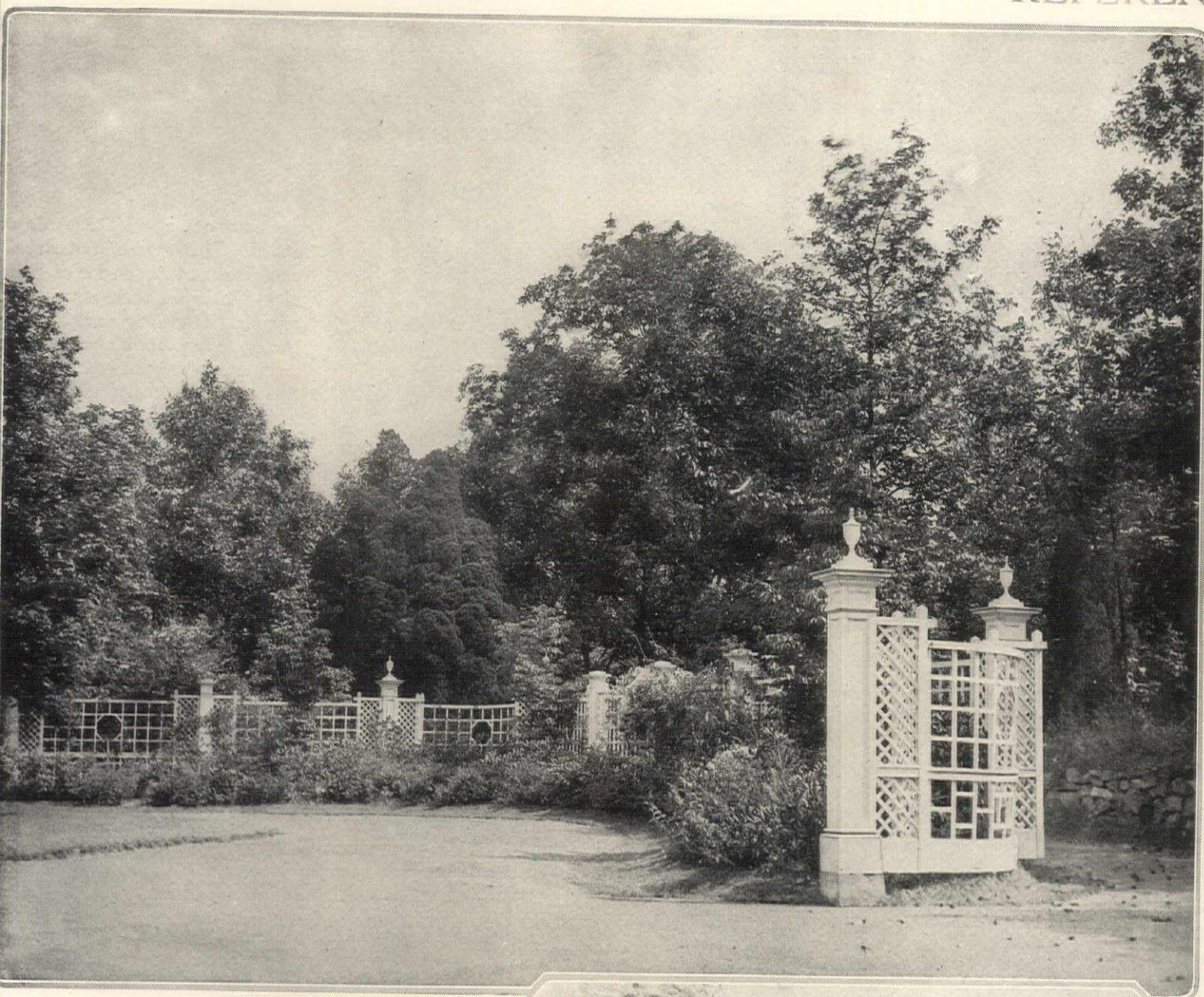
PRENTICE SANGER,
Landscape Architect

Van Anda

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

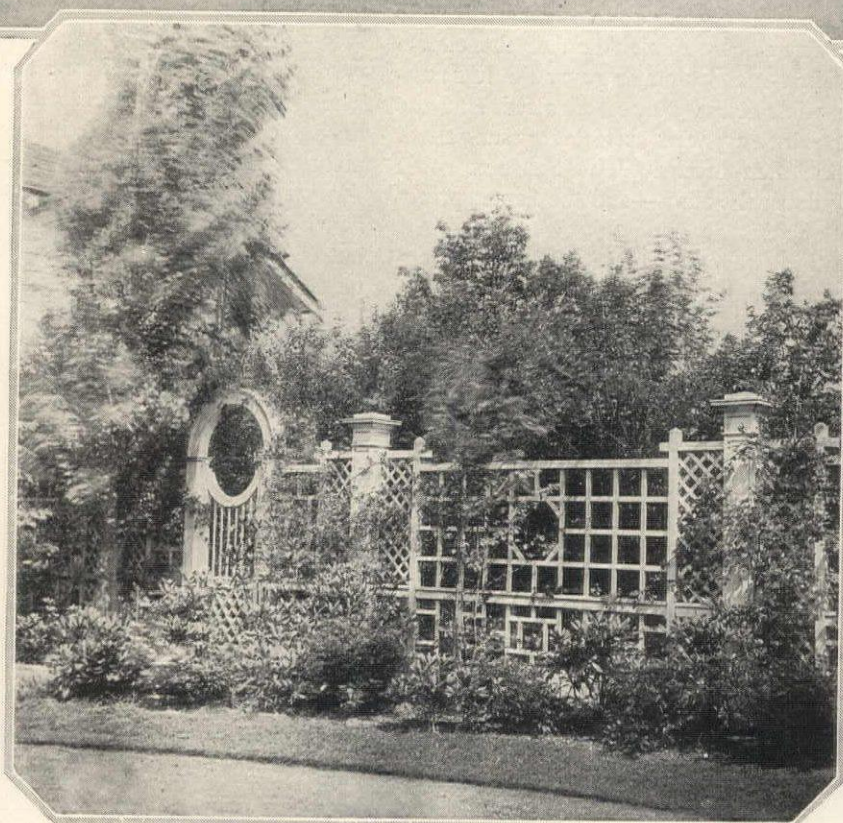
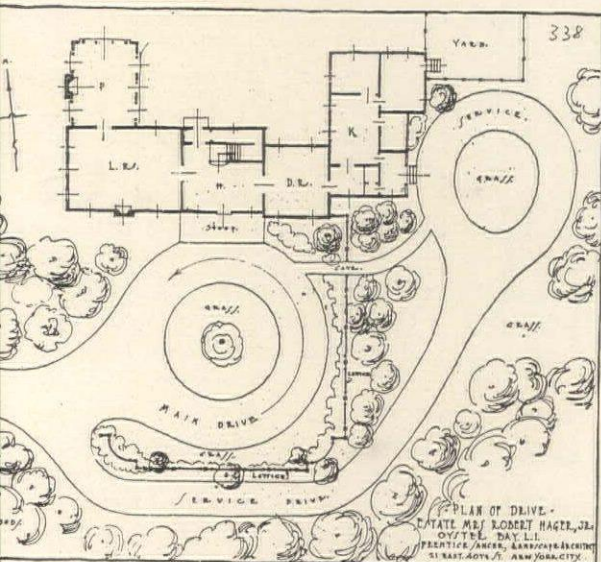
The picture above shows the southeast corner of the forecourt in which are planted rhododendrons, azaleas, ferns, heather and other shrubs especially those with heavy foliage. The rear of the south side of the lattice, shown to the right, fences the service road. It supports Dorothy Perkins roses, clematis 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 rôle 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.

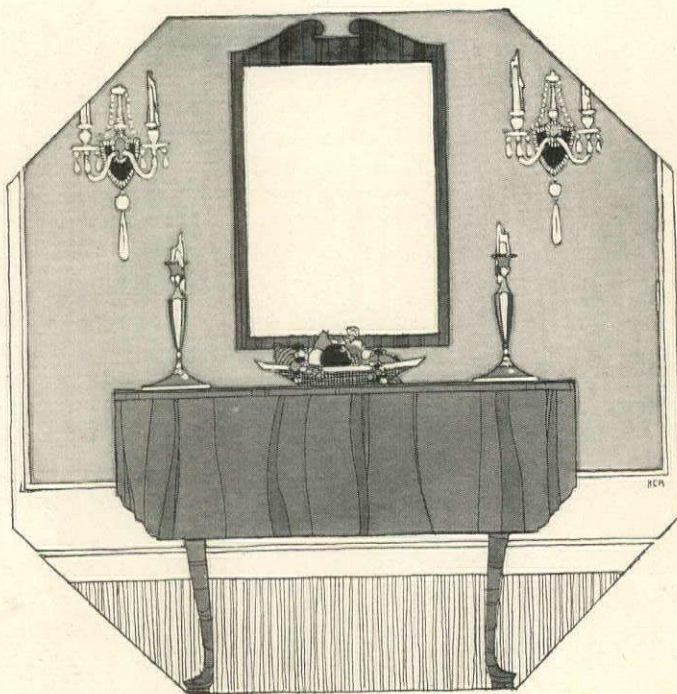
No imitation electric or gas fixture can ever approximate the candle sufficiently to deceive one; in fact, the average imitation candle is such a poor imitation that it had better not be used. The shape may deceive for a moment, but the light never does. Both of them are constant and unchanging. Part 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, flares 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 inconstant 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 rôle 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 spot light. 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 candles is merely a matter of preference. 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 boudoir 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 the diners. This type of candelabra also give the table an air of great dignity. Visualize such a table set, 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 majolica or Wedgwood stands in the middle between them.

White twisted candles are preferred to the colored variety, although at Christmas time one might follow the excellent Polish custom of using colored candles, which give an added festivity. We prefer the twisted variety because plain candles are too remote from religious ceremonies, and one thing the hostess does not want to do is to make her dinner table look like a high altar.

THE living room presents opportunities 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 toward the Jacobean or Italian one may use floor candelabra of wrought iron in which many candles can be lighted. Certainly in this room the flame should not be covered. When groups are being burned, there is no need for a great deal of general light. The candles should never be obliged to compete with the plenitude of electric bulbs; in fact, these kinds do not 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 candles for them. A candlestick without a candle is a contradiction in terms. We must have candles, and we should have them suit their holders exactly. A great pair of Italian altar candles standing on the mantel shelf, for example, require the thick, sturdy type of candle used in Mass lights. They can be purchased at dealers in ecclesiastical wares. A Chinese candlestick may require a bayberry dip candle; these can be purchased in the shops anywhere.

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

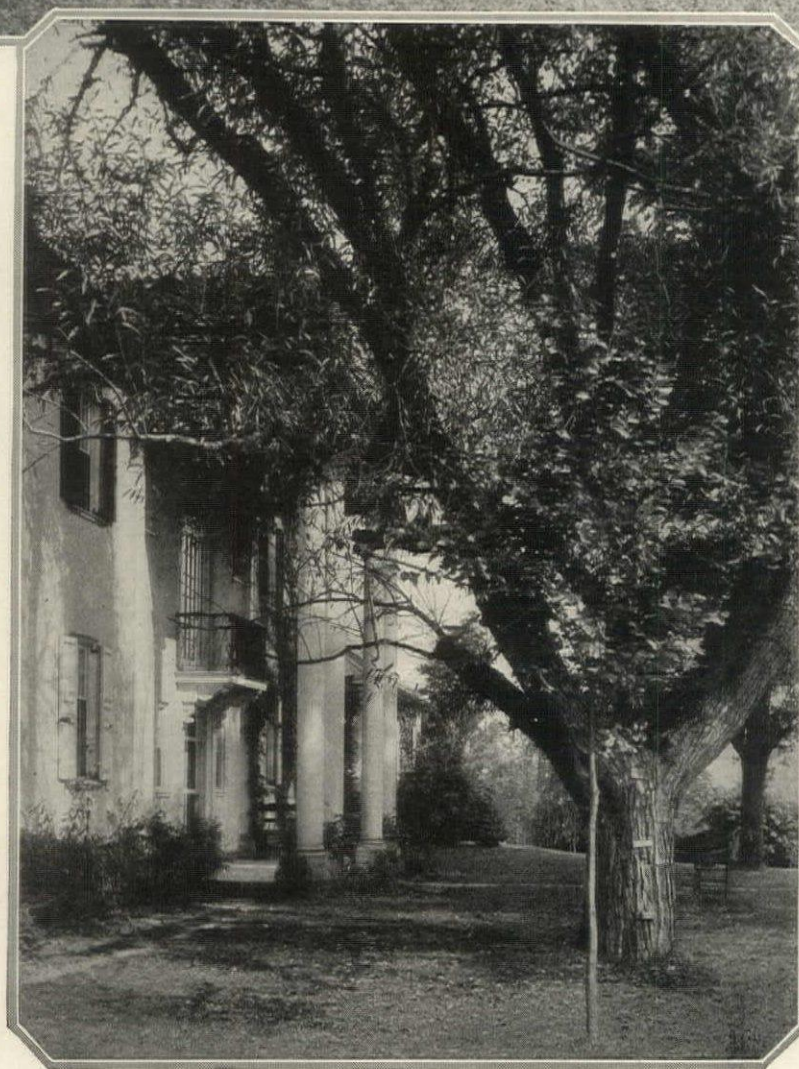
Come up the stairs of a country house and find a row of candles on a table on the landing. They look so simple, so kindly, so inviting you a pleasant rest. You light your candle and wander off to your room. They make you feel that life is a little less complex. They are night candles; they remind you of the mothers and women who, if we can believe history, made living a simpler matter than we do.



Good architecture always takes into account the existing features of the site, and if those 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

TREES AND THE HOUSE

A Study in Southern Colonial



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

THE PLANTING FOR THE HOUSE FOUNDATION

General Principles and Specific Details for the Attainment of Good Results—Two Plans and Their Final Effects

CHARLES S. LE SURE, *Landscape Architect*

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.

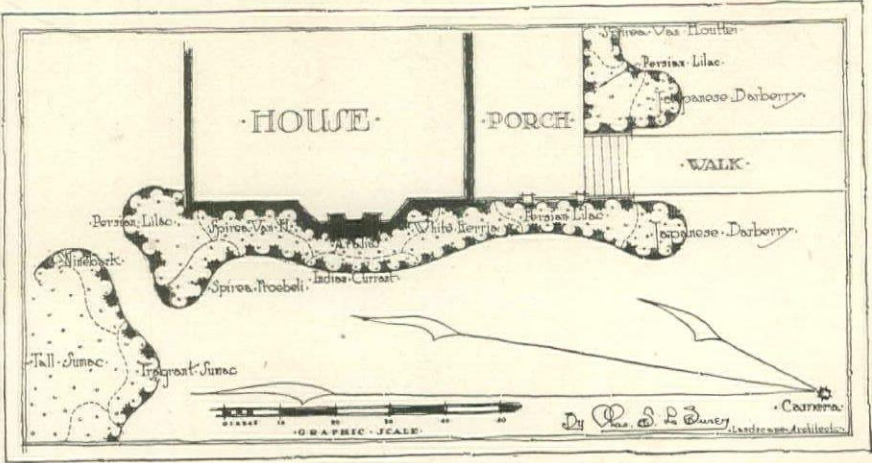
The best materials we have for use in the foundation planting are the hardy flowering shrubs. There are many beautiful varieties to select from, and besides, they offer the permanency so much desired against the house. Excellent effects will result from their proper use.

Generally, as we find foundation planting,

it presents a certain monotony which is tiresome, especially when the same uninteresting effect is repeated for blocks at a stretch. This monotony is the result of using one or two kinds of shrubs in a hedge effect immediately adjacent to the foundation. The only effect 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* faced 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 incomplete as the interior without the pictures on the walls or the dusters on the chandeliers. Neither is absolutely necessary for physical comfort, but all are needed

Straight, hedge-like effects should be avoided in foundation planting. The plan at the right embodies the sort of curves and irregularities which should exist



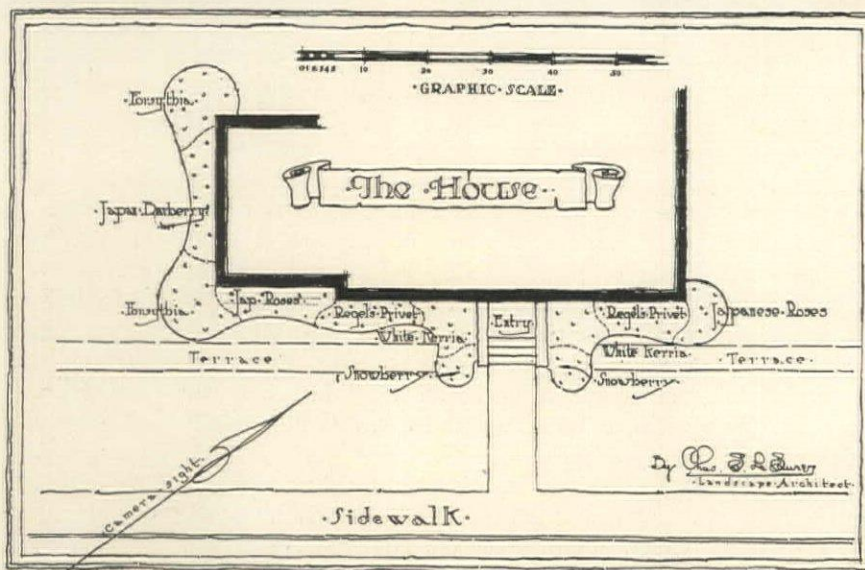
A photograph of the actual planting indicated on the plan shows the effectiveness of variations in height as well as ground space. Several sorts of shrub are used





The great aim of foundation planting is to tie the house to its site. Without shrubs the house would look bare and uninviting

plete mental enjoyment. Just a word now about the principles used in this or almost any style of good landscape planting. In the first place, simplicity is most important in the solution of the foundation problem. The reason so many places are spoiled because of a desire to have every kind of plant advertised. The result is a botanical collection rather than a landscape garden. There must be variety and harmony in the planting. Varieties should be selected which blend easily together to form the general mass effect. Attention should be given to the form of the planting, or the contour of the shrubs. Variety in this respect is created by setting taller growing varieties at the corners of the house and on either side of the entrances. The other spaces may then be filled in with somewhat lower growing sorts of the taller or accent shrubs faced with low-growing plants like the Japanese barberry, snowberry, Indian currant, or dwarf spireas and azaleas. In planting, seasonal effects should be kept in mind. Shrubs should be so selected that the general beauty will be year-round. There should be good flower value in the spring and attractive summer foliage, brilliant autumn leaves, colored fruits and barks



Only six kinds of shrubs are used in securing this effect. White kerria and snowberry flank the simple hooded Colonial entrance

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.

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 spaded 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.

Tall Shrubs	Distance Apart
White kerria	3½'
<i>Aralia pentaphylla</i>	3'
<i>Spiraea van Houttei</i>	3½'
Regel's privet	3'
English Privet	3'
Persian lilac	4'—5'
Low shrubs	
Japanese barberry	2'—2½'
Snowberry	2'
Indian currant	2'
<i>Spiraea Anthony Waterer</i>	2'
<i>Deutzia gracilis</i>	2'
<i>Spiraea callosa alba</i>	2'
<i>Stephanandra flexuosa</i>	2'

CONSIDER THE GARDENER

What He Should Be and What He Often Is—His Rightful Relations to His Work and Employer

ELLEN P. CUNNINGHAM

IN America today, unless the gardens 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 as a garden, to practice horticulture", but "to labor in a garden." So "gardener" is interpreted in various human forms.

WE 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 sinking 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. Fortunate are the flowers if he is country-bred, and to be pitied if he has been raised in the city.

IN 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 man aspiring to become a superintendent 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.

WHY 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 perseverance. As the minds of the boys and

girls expand, let us further open their eyes to the joyous possibilities of self-expression in outdoor life, before youth is stifled in commercial confines of the city where, amid the ever-increasing roar of industry, the life of the country is heard too late. Public and private enterprise must combine to throw searchlights on the path to be chosen, revealing the mysteries of science as related to horticulture. Even soil, when discoursed upon by such a man as Professor Button of the Farmington, L. I., State School of Agriculture, seems teeming with history, science, poetry and religion, as he explains how destinies of nations depend upon the character of their soil, and how, by altering it scientifically, the trend of civilization is changed. Furthermore, poetry and religion draw their inspiration from the beauty of bloom issuing from the soil.

ONCE the desire to study gardening is kindled, how is it to be gratified? Glimmers of training at home and abroad show some of the methods of training gardeners. In Europe there are special schools. In England alone, last summer, Miss Elizabeth Leighton Lee, Director of the School of Horticulture for Women, Ambler, Pa., visited a dozen of the best schools for women in Great Britain. On the Continent, familiarity with three modern languages is sometimes required, and a high school certificate, as conditions of admission to classes, thus hinting at the high standards for gardeners.

In this country, in addition to the possibilities offered by colleges and botanical gardens, the garden clubs are not only educating thousands of their members in practical planting of public and private grounds, but, like the Woman's National Farm and Garden Association, are giving scholarships for training of women gardeners. For two years a new departure has been successfully made by Mrs. James Duane Livingston, who opened her place, "Garden Home", at Framingham, Mass., to young women coming to such elaborate homes that the multiplicity of gardeners and domestics prevents the first mistresses of estates from learning gardening and household management.

Another opportunity for training is offered by Mrs. Samuel T. Bodine of Villa Nova, whose extensive estate and eminent superintendent-gardener, Mr. Alexander McLean, have 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 supervision of the superintendent-gardener, Mr. Cameron. Another conference at the Massachusetts College of Agriculture is said to mark a new epoch.

(Continued on page 62)

A LITTLE PORTFOLIO OF GOOD INTERIORS

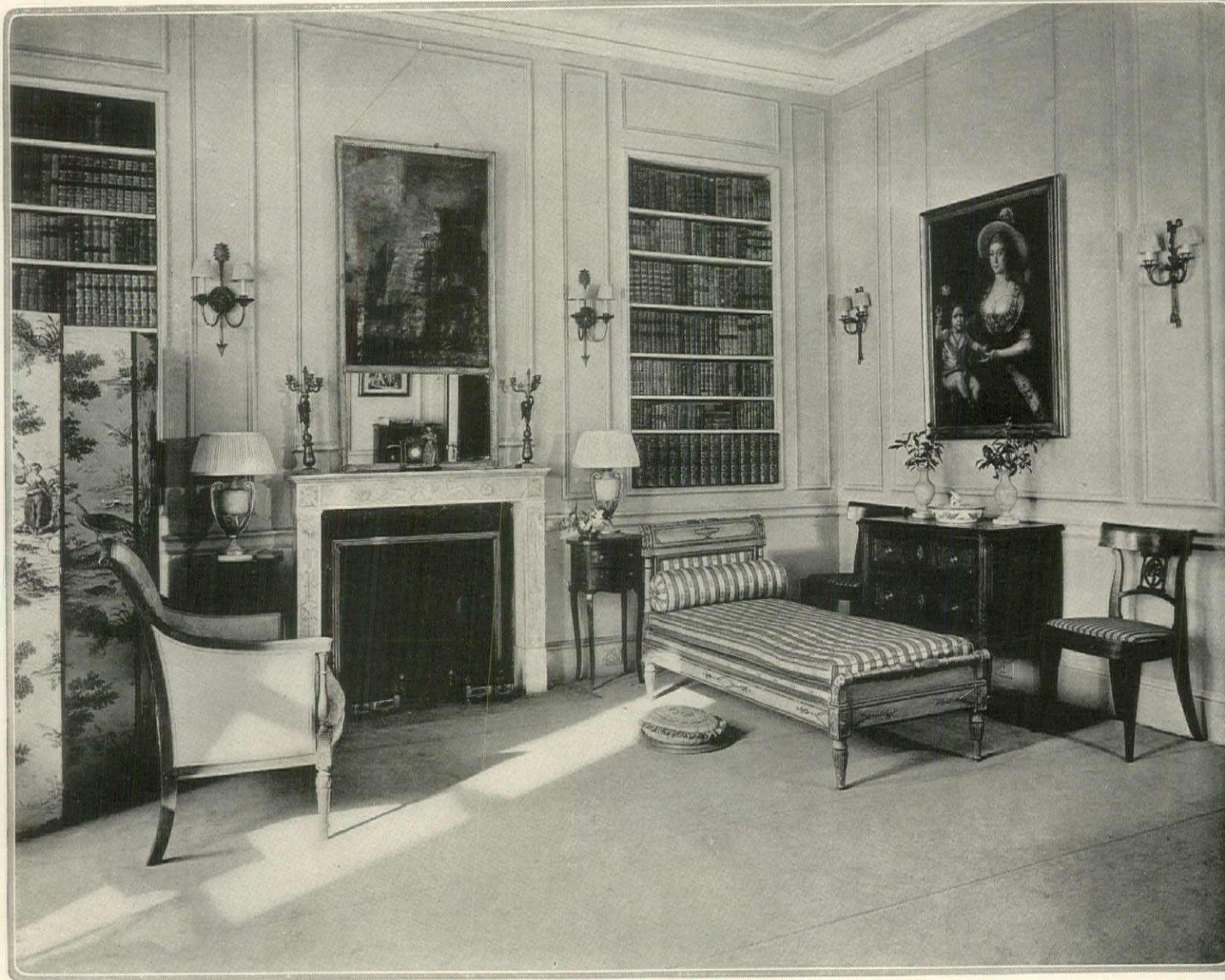


Hewitt

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

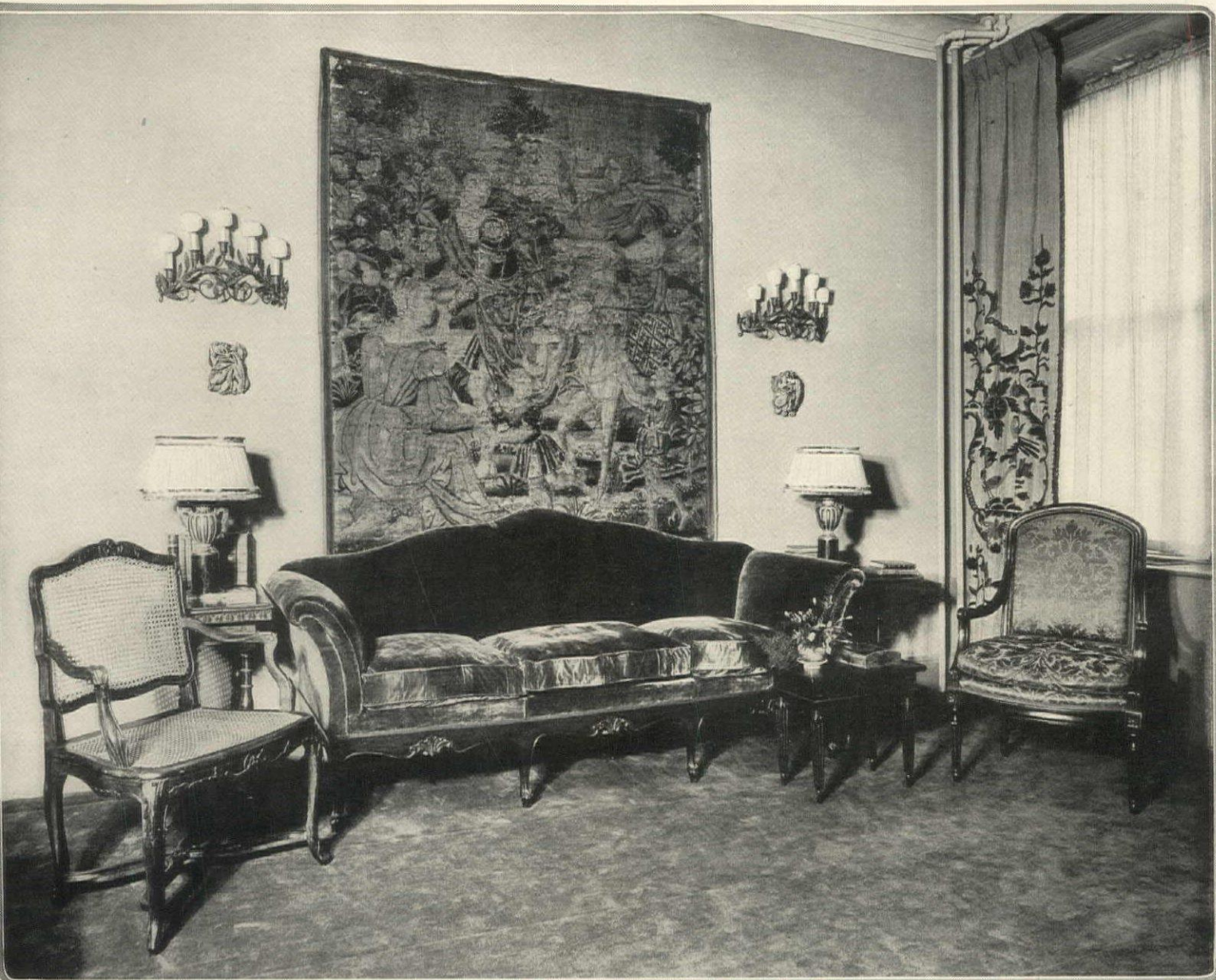


Leaded windows set in stone frames form one side of this Gothic dining room. Another is paneled in a number of motifs characteristic of that age. Jacobean chairs are used here with an Elizabethan table. The ceiling is of molded plaster



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 crystalized 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 tulle hangings, the Toile de Jouy screen and the cabinet painted in dull green. The mantel is Italian. On the old painted day bed which is gray and gold, a satin cover of stripes gray and green. Fake 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 crewel 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 taffeta 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

For the past twelve years Supreme Court Justice Marean has made the growing of fine dahlias his especial hobby. In the creation of new varieties he finds a delightful pastime and that deep satisfaction which comes to one who, though well past three score years and ten, is still active among his own flowers.

His flowers have won many prizes and amply justify the pride of their creator in them. It is a privilege and pleasure to be able to present to the readers of HOUSE & GARDEN this article from a man who has done so much for the development of one of our finest garden flowers.—Editor.

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.

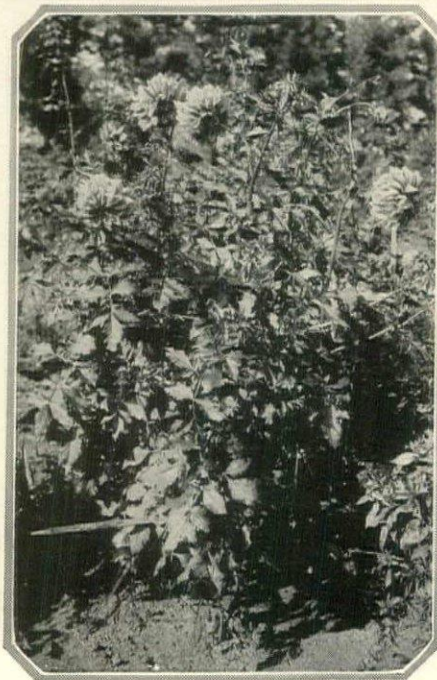
From year to year I have grown at my country place at Green's Farms, Conn.—which is in a very beautiful, rolling section of country between Bridgeport and Norwalk on Long Island Sound, with a wonderful view of Long Island in the distance—three or four thousand seedlings, using only the best seed procurable 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



Levick

The view through the arch into Judge Marean's formal garden shows the effective way in which the dahlias are combined with other flowers



"Hercules", a dahlia of enormous size, is tangerine color blended with deep yellow. This and other photographs by courtesy of John Scheepers, Inc.

the majority of children whatever their parents turn out to be just plain "folks". Dahlias follow the same law, and out of the mass I have found each year one of a few worth saving. These I remove from the seedling garden and try them out in my ornamental gardens before selecting further.

Hybridizing

When one gives serious study to the natural laws which govern the evolution of a superior strain of dahlias, which I have done for some ten or twelve years, one 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 out of 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 best 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 any 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 unrivalled merit for both size and beauty, and those which fall

(Continued on page 76)



From left to right, "Mrs. E. T. Bedford", "Judge Marean" and "Le Toreador", three of the Judge's splendid dahlia creations, all of the decorative type

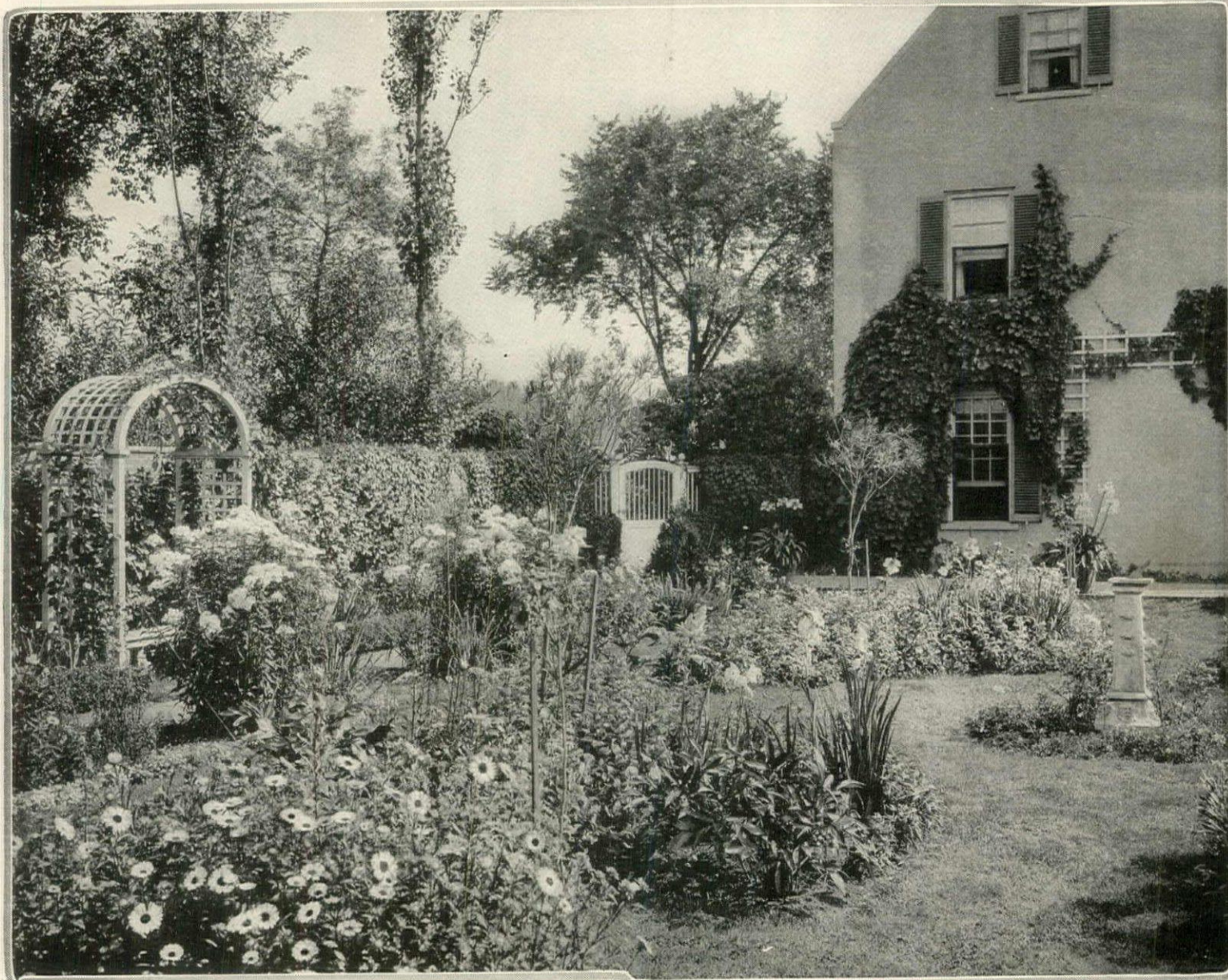


A single plant of "Mrs. Josiah T. Marean". The blooms are of the peony type, old rose in color with golden shadings showing at their bases

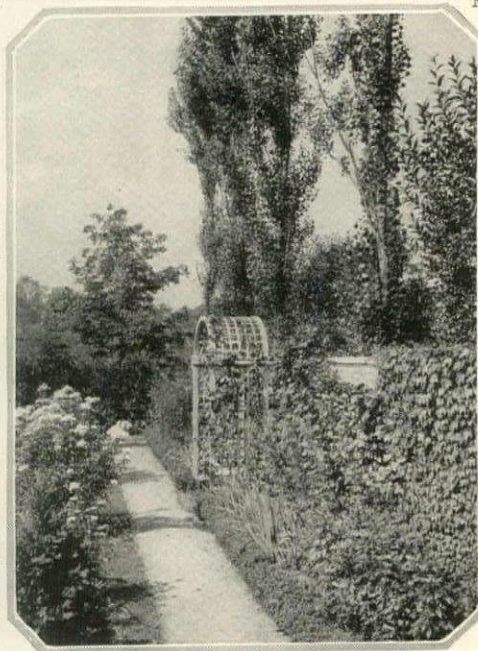
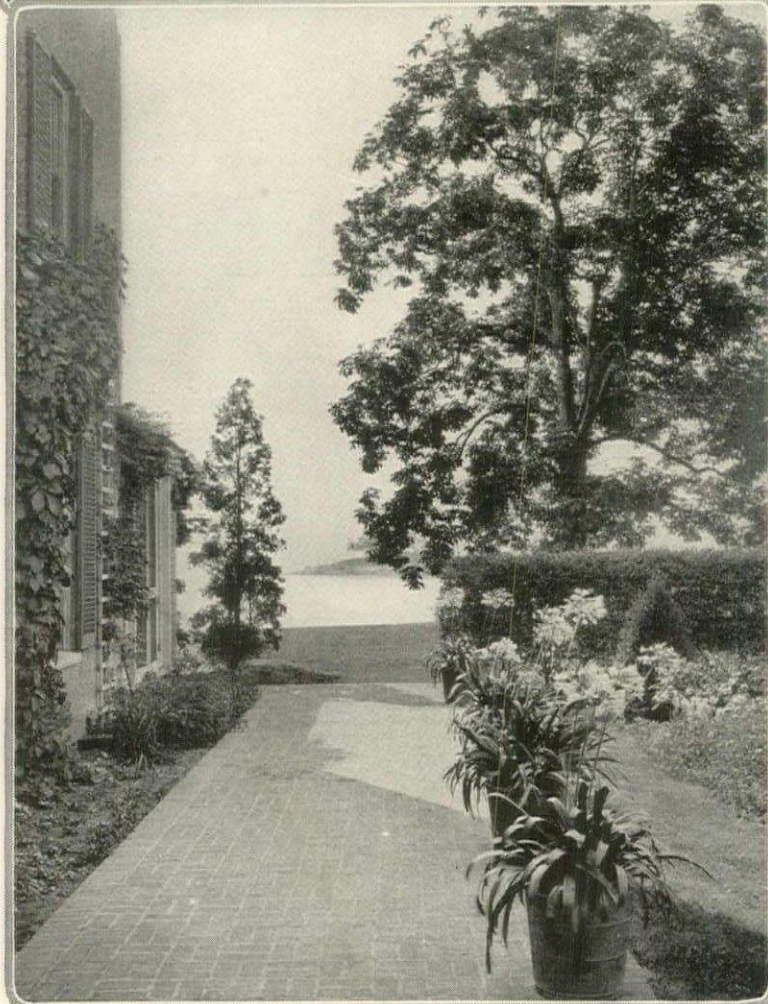


From left to right these are "Venus", "Mephistopheles", "Marion Weller" and "Peg O' Me Heart". All are very large and colored, respectively, creamy white suffused with lavender; ruby red with

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



Northend



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

In this tiny plot a wind break 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

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

**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

SHRUB	COMMON NAME	HEIGHT	COLOR	SEASON OF BLOOM	DIRECTIONS
For Masses and Borders					
Adonis vernalis Androsace Anemone pulsatilla Aquilegia vulgaris Crocus Fritillaria Helleborus Hyacinthus Lilium Muscicarpus Narcissus Pulsatilla Scilla Tulipa	Butterfly shrub Strawberry shrub Sweet pepper bush Deutzia Pearl bush Golden Bell Tartarian Honeysuckle	6'-8' 4'-6' 3'-7' 4'-6' 5'-6' 4'-5' 4'-6'	Pink, lilac, violet Brown White White, pink White Yellow White, pink, yellow, red	July to frost May July-Aug. June May-June April May-June	A new flowering shrub, but one of the best; sunny position and fairly rich soil. Flowers are delightfully fragrant. One of the best of the smaller shrubs; very fragrant. Very free flowering; a great favorite for grouping. Good for cutting; best effect obtained through massing with other shrubs; charming flowers. Large yellow flowers blossom before the leaves appear. Most striking when clumped; strong grower; free blossoming.
Philadelphus Prunella Rosa Spiraea Viburnum Weigela	Mock-orange Flowering plum Sumach Flowering currant Bridal Wreath Snowball Chaste Tree Weigela	6'-10' 8'-10' 15' 4' 4'-6' 12' 5'-6' 6'-8'	White Deep pink White Yellow White White Lilac Red, white, pink	June May July-Aug. April-May May-June May-June Aug.-Sept. June-July	Profuse bloomers; a valued and favorite shrub. Flowers of a beautiful shade. Suited for damp places; brilliant in the fall. Fragrant; nice foliage; grows well even in moist spots. A shrub of exceptional gracefulness. There are many varieties; each has some good point. Gracelul; long spikes; flowers late in summer. Of robust habit, blooms profusely, and easy growth.
For Individual Specimens					
Abutilon Acer Alnus Betula Corylus Fagus Fraxinus Gleditsia Hamamelis Ilex Liquidambar Magnolia Malus Metastemum Nyctaginia Parrotia Picea Pinus Platanus Populus Quercus Rosa Spiraea Taxus Ulmus	Rose of Sharon Japanese maple Angelic tree Groundsell tree Judas tree White fringe tree Dogwood Smoke tree	8'-12' 6'-10' 10'-15' 10'-12' 10'-12' 8'-12' 15'-20' 12'	Rose, white Foliage, various White White Rosy pink White White, red Smoke colored	Aug.-Oct. Aug. April-May June May July	Among the best of tall shrubs; very hardy. Leaves of many distinct shapes and attractive coloring, especially in early spring. Unique tropical looking. White fluffy seed pods in fall. Flowers before leaves appear; very attractive. Very distinctive and attractive in appearance; flowers resemble fringed decoration. Not symmetrical in shape but very striking; foliage highly colored in autumn. Very distinctive; flowers in feathery clusters.
For Hedges and Screens					
Abutilon Acer Alnus Betula Corylus Fagus Fraxinus Gleditsia Hamamelis Ilex Liquidambar Magnolia Malus Metastemum Nyctaginia Parrotia Picea Pinus Platanus Populus Quercus Rosa Spiraea Taxus Ulmus	Rose of Sharon Japanese barberry Hawthorne Hydrangea paniculata Privet Japan quince Spiraea Lilac	8'-12' 3'-4' 12'-15' 6'-10' To 8' 6'-8' 6'-8' 15'-20'	Rose, white White, red White to rose Bright scarlet White White, pink, lilac	Aug.-Oct. May-June Aug.-Sept. Early May May-June May-June	See above; plant close, 15" to 18". Absolutely hardy; foliage light green, brilliant in autumn with scarlet berries. Very attractive; many different forms; long lived. Colored fruits. Color changes; very hardy; one of the best late flowering shrubs; enormous flower panicles. Most popular formal hedge plant; plant close, 8" to 10"; prune to shape frequently. New varieties hardier than California. Set 15" apart; makes a dense hedge; requires a little pruning. Plant 1 1/2' to 2' apart; very gracelul in formal hedge; especially for boundary lines. Plant 2' to 3'; very fragrant; good for along walls, etc. Japonica latest blooming.

VINES

VINE	COMMON NAME	FLOWERS	REMARKS
Aristolochia Celastrus Clematis Convolvulus Hedera Ipomoea Lonicera Passiflora Rosa Spiraea Vitis Wisteria	Silver vine Akebia Boston ivy Trumpet vine Virgin's Bower Evonymus Woodbine Wistaria	Whitish, with purple centers; A. Chinensis, yellow Violet brown; cinnamon center in spring Foliage highly colored in fall Very large trumpet shape; red or orange Fragrant pure white flowers in August and September Foliage, green or green and white Red, yellow and white; very fragrant Purple or white; immense pendent panicles	Very rapid growing with dense foliage; good for arbors, trellises, etc. Edible fruits after flowering. Good where dense shade is not required; very graceful in habit. Most popular of all vines for covering smooth surfaces such as brick and stone walls, etc. In setting out dormant plants prune back to 6". Semi-climbing, especially good for covering rough stone work, tall stumps, porch trellises, etc. Unique and attractive foliage. Extremely hardy and robust; most satisfactory late flowering vine. Especially good for porches. Flowers followed by feathery silver seed pods. Extremely hardy; good in place of English ivy in cold sections. Evergreen. Old favorite; one of the most popular for porches and trailing covers. Sunny position; good variegated foliage. Of twining, not clinging habit, especially good for pergolas, etc. Attains great height with suitable support. Sunny position; rich soil.

SUMMER FLOWERING BULBS

FLOWER	HEIGHT	COLOR	SEASON OF BLOOM	DIRECTIONS
Adonis Allium Anemone Aquilegia Crocus Fritillaria Helleborus Hyacinthus Lilium Muscicarpus Narcissus Pulsatilla Scilla Tulipa	12"-18" 12"-18" 18"-24" 2'-6" 18"-5' 2'-6" 2'-5' 2' 2'-4' 18" 2'-3' 8"-10"	White, crimson, pink, blue Pink, yellow, red Yellow, white Pink, yellow, red, white (Foliage) green or variegated White, pink, yellow, red, variegated Pink, red, white, yellow White, yellow, scarlet Red, yellow, scarlet Blue, pink, yellow, scarlet White White, pink	July-Sept. June-Sept. June-Sept. June-Oct. June-Oct. July to frost May-June June-Oct. June-Oct. July-Sept. June-Sept.	Plant in May in sheltered position, in groups, about 6" x 6". Hardy. Start in heat, or plant in rich, light soil in open. Water freely. Plant suitable varieties in rich warm soil. Plenty of water; store for winter in warm temperature. Start in heat, or plant dormant roots in rich soil. Store for winter. Sheltered, semi-shaded position, light rich soil. Store in warm place. Start in heat or outdoors after danger of frost, in deep, rich soil; thin and disbud for good blooms. Succession of plantings from April to June for continuous bloom; store cool for winter. Single and double forms; easily grown; good for cuttings. Culture similar to that of gladiolus. Plant 3" to 6" each way; take up or protect. Culture same as above but should be stored for winter. Plant out in May, or start in heat. June and July planting for late flowers. Good for masses or borders; plant two clumps, in early spring. Store like gladioli.

FLOWERS FOR EVERY PLACE

FLOWER	HEIGHT	COLOR	SEASON OF BLOOM	DIRECTIONS
For Beds and Masses				
Asters (A)	18"-30"	Various	July-Sept.	Protect from aster beetle by hand picking and Paris green.
Begonias (TP)	12"-18"	White, pink, red	May-Sept.	Very free and continuous flowering; bushy, compact growth; good for edging. (P)
Cosmos (A)	2'-8'	White, pink, red	June-Sept.	Very graceful and artistic; good for backgrounds or massing against buildings, fences, evergreens, etc. (P)
Celosia (A)	18"-4'	Red, yellow	June-Sept.	Colors rather crude but brilliant; good effect at a distance.
Heliotrope (P)	12"-24"	Blue and white	July to frost	Flowers freely until frost; give good soil; fragrant. (P)
Marigold (A)	10"-30"	Pale gold to orange	July to frost	Easily grown, free flowering; select color with care, avoiding mixtures.
Nasturtium (A)	12"-24"	Various	July to frost	Especially good for new or poor soil; for best flowers soil must be not too rich.
Pansies (A)	6"-24"	White to claret mixed	May to frost	For immediate show get old plants, but for a long season new plants just beginning to bloom. (P)
Petunia (A)	12"-30"	Various, brilliant	July to frost	Use named varieties, or keep in seed-bed until first blossom opens before transplanting. (S B)
Phlox Drummondii (A)	12"-30"	Scarlet	August to frost	Unsurpassed, brilliant and harmonizing colors; many fine named varieties. (S B)
Salvia (A)	6"-9"	Various	July to frost	Unequalled for brilliant massed effect; select variety for height wanted; pinch back for stocky plants. (P)
Verbena (A)	6"-9"	Various	July to frost	Most brilliant for low, spreading, carpet growth; flowers to hard frost. (P or S B)
For Edges and Borders				
Ageratum (A)	12"	Blue, white	June to frost	Compact, upright growth; will not spread out over walk. (P or S)
Alyssum, Sweet (HP)	6"-12"	White, lilac	May to frost	Trailing or spreading; very graceful in habit. (P or S)
Bellis perennis (HHP)	6"-8"	White, pink, red	April-July	Neat, compact, cheery; wonderful number of little daisy-like flowers. (P)
Marigold (Dwf. Str.) (A)	9"-12"	Orange and yellow	June to frost	Dwarf sorts in named varieties very effective for narrow borders. (P or S B)
Myosotis (B)	6"-12"	Blue, white	April-July	Best blue edging plants, especially dainty. (P)
Zinnia (Dwf. Str.) (A)	12"-18"	Crimson, yellow and white	June to frost	Neat, upright, formal effect; dwarf varieties, selected colors.
For Shady Place				
Antirrhinum (P)	24"	White, red, yellow	July-Sept.	Select dwarf, medium or tall varieties as wanted; stake tall sorts loosely.
Aquilegia (P)	19"-36"	White, orange, blue	June-July	Grateful open habit of growth; fine in combination with other things.
Canterbury Bells (B)	18"-30"	Pink, blue, white	June-August	Protect from beetles; disbud for finest flowers. (S or P)
Delphinium (HHP)	3'-4'	White, pink, purple	July-Sept.	Give plenty of sun; keep dead flowers cut off. (S)
Digitalis (B)	19"-30"	White, pink, purple	June	Very showy; pinch back to get bushy plants. (P or S B)
Myosotis (B)	6"-12"	Blue, white	April-July	See above; start in heat for early cutting. (P or S)
Pansy (P)	6"	Various	May to frost	Exceptionally easy growth; brilliant, rich colors; avoid crowding. (S)
Poppy (P)	12"-18"	White, yellow, orange	June-Sept.	Unexcelled for use with other cut flowers; small sowing every month. (S)
Scabiosa (P)	15"-30"	Crimson, rose, purple, white	July to frost	Cut opening buds; keep old flowers cleaned off; avoid crowded plants. (S)
Sunflower (A)	3'-7'	Yellow	August-Sept.	For stronger flowering plants start early; use selected colors. (P or S)
Shasta Daisies	15"-18"	White	August-Sept.	Old favorite but one of the most satisfactory; try improved named varieties; avoid crowding; cut flowers.
For Cutting				
Arctotis (A)	12"-15"	Rich, various	June to frost	Great variety; continuous supply; sunny positions; keep cut.
Asters (A)	18"-30"	Various	July-Sept.	One of the longest keeping, especially good; wintered over plants, or start early; seeds.
Calliopsis (A)	12"-18"	Yellow (orange-brown)	June-Sept.	Easily grown, give sunny situations; start in heat or outdoors. (P or S)
Chrysanthemum (A)	12"-30"	Various	August-October	Protect from beetles; disbud for finest flowers. (S or P)
Cosmos (A)	2'-8'	White, pink, red	August to frost	Give plenty of sun; keep dead flowers cut off. (S)
Dianthus (A)	10"-18"	White, pink, red	August to frost	Very showy; pinch back to get bushy plants. (P or S B)
Gypsophila (A)	12"-24"	White	June-Sept.	See above; start in heat for early cutting. (P or S)
Poppy (P)	12"-18"	White, yellow, orange	June-Sept.	Exceptionally easy growth; brilliant, rich colors; avoid crowding. (S)
Salpiglossis (A)	12"-24"	Crimson, rose, purple, white	July to frost	Unexcelled for use with other cut flowers; small sowing every month. (S)
Scabiosa (P)	15"-30"	White, black-purple, blue, rose	July to frost	Cut opening buds; keep old flowers cleaned off; avoid crowded plants. (S)
Sunflower (A)	3'-7'	Yellow	August-Sept.	For stronger flowering plants start early; use selected colors. (P or S)
Shasta Daisies	15"-18"	White	August-Sept.	Old favorite but one of the most satisfactory; try improved named varieties; avoid crowding; cut flowers.
For Fragrance (Cutting)				
Centaurea (Sweet Sultan) (A)	24"-30"	Rose, lavender	June-Sept.	Make second sowing; favorite old "Sweet Sultan."
Heliotrope (P)	12"-24"	Purple, white	May-Sept.	See above; select most fragrant plants for stock. (P)
Marguerite Carnations (P)	15"	Blue to white	May-Sept.	Bloom early from seed; give good stand; selected colors. (S B)
Mignonette (A)	12"-18"	White, yellow, pink, red	July to frost	Sow every month or so for succession; cool, moist soil. (S or S B)
Stevia (TP)	24"	Pale gold to orange	July to frost	Free blooming, one of the purest whites. (S or S B)
Stocks (A)	12"-24"	Lavender, pink, yellow, scarlet	June-Sept.	Give rich soil; start indoors or in seed bed and transplant twice to select double flowers only. (P or S B)
Sweet Peas (A)	2'-6'	White, rose, pink, crimson, mauve	June-Sept.	Plant deep, avoid overcrowding; water abundantly; keep old flowers picked. (P and S)
Wallflower (B)	12"-30"	Brown (yellow)	July-Sept.	Winter over or start early in heat to get flowers first season. (P)
For Climbing				
Canarybird Vine (A)	10'	Canary yellow	June to frost	Fringed, bright yellow flowers, very unique; rapid growth. (P or S)
Cardinal Climber (A)	30'	Scarlet	July to frost	New rapid grower; unparalleled for brilliant display; soak seeds. (P or S)
Dolichos (Hyacinth Bean) (TA)	10'	Purple, white	Mid-July to frost	Easily grown; very free flowering; good for screening. (S)
Moonflower (TA)	15'-30'	White, blue	August to frost	Unique and fragrant; some new good varieties; start early for best results. (P or S)
Morning-glory (TA)	13'	Mixed	June to frost	Old favorite but greatly improved; for covering fences, tubbish heaps, etc., as well as climbing.
Nasturtium (A)	6'-10'	Crimson, maroon, orange, white, rose	June to frost	See above. Use self-colors for most striking effects.

NOTES: "A" annual; "B" biennial; "P" perennial; "HHP," "HHP," and "TP" mean respectively hardy perennial, half hardy perennial, and tender perennial.

Annuals flower, mature, seed 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 them flower the same year, like annuals.

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

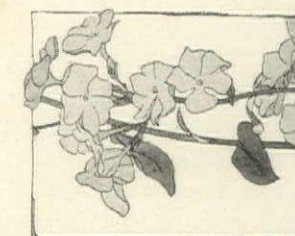
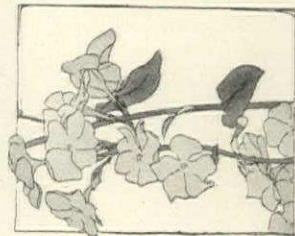
"Hardy" annuals, biennials, or perennials are those capable of resisting cold, and may be planted or sown with the hardy vegetables.

"Tender" annuals, biennials, or perennials require warm weather, and should not be planted until "corn-planting time."

"Half-hardy" biennials and perennials are those capable of resisting frost, but not of surviving the winter without protection.

VEGETABLES FOR A CONTINUOUS SUPPLY

VEGETABLE AND TYPE	REPRESENTATIVE VARIETY	FIRST PLANTING	SUCCESSIVE PLANTINGS Weeks Apart	AMOUNT OR NUMBER FOR 50' ROW	DIRECTIONS
Bean, bush, Green Pod	Early Bountiful	April 15	2-3: to Aug. 15	15" x 4"	In dryest soil available; cover first planting 1" deep.
Bean, bush, Wax	Rust Proof Golden Wax	April 20	2-3: to Aug. 15	18" x 4"	In dryest soil available; cover first planting 1" deep.
Bean, bush, Lima	Burpee Improved	May 1	3-4: to July 15	24" x 6"	Plant with eye down, when first in prospect of several days' dry weather.
Bean, pole	Golden Cluster	April 25	June 15	4" x 3"	Place poles before planting in hills; thin to best plants.
Beets, Ex. Early	Early Leviathan	May 1	June 15	4" x 4"	First planting shallow, about 1 1/2" deep; thin to best plants.
Beets, main and winter	Early Model	April 1	June 15	12" x 2"	In dry weather, soak seeds; firm well, for winter use sow about three months before harvesting.
Brussels Sprouts	Detroit Dark Red	May 1	June 15	24" x 18"	Set out well hardened off plants as soon as ground can be worked; fertilize in rows.
Cabbage, Ex. Early	Dalkith P	June 15	3-4: to Aug. 15	1" oz.	Transplant from seed sowing about 1 1/2" deep; thin early.
Cabbage, summer	Copenhagen M't't	April 1	June 15	35	Transplant at four to six weeks; for winter use sow about three months before harvesting.
Cabbage, late	Succession	May 1	July 15	30	Light applications of nitrate of soda beneficial; to keep mature heads from splitting, pull enough to loosen roots in soil.
Carrots, Ex. Early	Danish Ball Head	July 1	June 15	30	Transplant from seed sowing about 1 1/2" deep; thin early.
Carrots, main and winter	Early Scarlet Horn	April 15	3-4: to Aug. 15	12" x 2"	Select rich, deep soil to get smooth roots; for storing plant about 90 days before harvesting time.
Cauliflower, spring and fall	Danveis	May 15	4: to July 10	12" x 18"	Enrich rows; protect from cutworms; plenty of water when heading.
Celery, late	Golden Self-Blanching	April 10	June 15	35	Enrich rows; plenty of water; hill up to keep stalks upright; blanch two weeks before using.
Corn, main crop	Golden Bantam	May 1	June 15	100	Sow seeds six to eight weeks before transplanting; hill up; store in cellar for winter.
Cucumber, for slicing, etc.	Davis Perfect	June 1	3: to July 15	15 pt.	First planting in dry soil; thin to one or two plants per hill; 3" deep in dry weather; cultivate shallow.
Cucumber, for pickling	Ever-bearing	May 1	4: to July 15	3" x 3"	Thin to 3 or 4 stalks in hill; plant 3" deep in dry weather; cultivate shallow.
Egg-plant	Black Beauty	June 1	July 15	4" x 4"	Gather fruits while quite small; keep them all picked for continuous bearing.
Endive	Giant Fringed	June 1	July 15	30" x 24"	Enrich hills; give plenty of water; protect from potato bugs.
Kohlrabi	White Vienna	April 10	4: to Aug. 10	15 oz.	Culture same as for lettuce; say that leaves should be tied up to blanch for use.
Leek	American Flag	April 15	4: to July 15	15 oz.	Treatment similar to turnips; thin out as soon as possible; begin to use while small; 1" or so in diameter.
Lettuce, loose leaf for spring and fall	Grand Rapids	April 10	3: to May 20	50	Transplant at size of lead pencil to 1 1/2" deep; well enriched trenches; hill up to blanch.
Lettuce, "Crisp Head," for summer	Big Boston	April 10	3: to May 20	12" x 8"	Sow seed when plants are set out, and for succession plantings, thinning out early.
Melons, musk	Nettle Gem	May 15	June 15	12" x 10"	Thin out early, for fall plant again July 15 to August 15.
Melons, water	Henderson's Bush	May 1	June 15	6" x 4"	Give plenty of water; top-dress with nitrate of soda; thin out as soon as possible.
Okra	Halbert Honey	May 15	June 15	4" x 3"	Enrich hills with old compost and wood ashes; add sand in heavy soil; protect from striped beetle.
Onions, "sets"	White Velvet	May 15	June 15	6" x 6"	Same as for musk melons; pinch out tips of runners at 5' or 6'.
Onions, globe	Yellow Danvers	April 1	June 15	3" x 15"	Give warm, rich soil; nitrate of soda during early growth; treat like corn; use pods while young.
Parsley	Gigantic Gibraltar	April 10	June 15	12" x 2"	Mark out drill; insert up to neck.
Peas, smooth	Emetald Curled	April 15	June 15	12" x 3"	Keep clean; top-dress with nitrate of soda; do not thin until well along.
Peas, Early, wrinkled	Alaska	April 1	June 15	12" x 4"	Soak seedlings and transplant to rich soil; give plenty of water.
Peas, wrinkled, main crop	Gradus (Little Marvel Dwarf)	April 10	June 15	30" x 2"	Soak seed twenty-four hours; cover very lightly; thin out early.
Peppers, large fruited	Alderman (British Wonder Dwarf)	April 15	3: to May 20	1 pt.	Cover first planting about 1" deep; set only a small quantity as wrinkled variety is better flavored.
Peppers, small fruited	Ruby King	May 15	3: to June 15	1 pt.	Dwarf varieties 22" x 2"; make first plantings in light soil, or on slightly raised drill 1/2" to 1" deep.
Parsnips	Coral Gem, Bouquet	May 15	June 15	24" x 15"	Make later plantings in trench, filling in gradually as vines grow; plant early varieties July 20 to August 10 for fall crop.
Potatoes	Improved Hollow Crown	April 10	June 15	40 oz.	Same as for egg-plant; use seed strong ported plants for both to get best results.
Pumpkin	Irish Cobbler	April 15	June 15	18" x 3"	Top-dress with nitrate of soda; strong ported plants for both to get best results.
Radish, Early	Quaker Pie	April 10	June 15	28" x 13"	Select deep, loose soil or trench before planting to get good smooth roots.
Radish, summer	Crimson Giant Globe	April 15	June 15	6" x 6"	For earliest results sprout four weeks in sunlight before planting.
Radish, winter	Chartiers	May 1	2: to Sept. 15	12" x 2"	Plant in rich hills; if space is limited, put near edge of garden, or train where vines can run along fence.
Rutabaga	White Chinese	June 15	3: to Aug. 1	12" x 3"	Make frequent small sowings, work lime into soil, prepared soil to get good, smooth roots.
Salsify	Golden Necklace	May 1	4: to Aug. 15	15" x 4"	Thin out early; plant in final prepared soil to get good, smooth roots.
Spinach	Sandwich Island	April 10	June 15	15" x 2"	Roots for storing in winter should not be planted until quite late, as they are better both in keeping and eating qualities not overgrown.
Squash, summer	Victoria	April 1	4: to July 1	15" x 4"	Excellent for storing for winter; culture similar to turnip; late planting makes best quality roots.
Squash, winter	Golden Summer Crookneck	May 1	4: to Sept. 1	15" x 2"	Be careful to get seed thick enough, sow in deep, fine soil to get smooth roots.
Swiss chard	Hubbard	May 15	June 15	15" x 4"	Sow in rich soil; thin first to 2" apart; second thinning may be used for table; apply nitrate of soda.
Tomato, Early	Lucullus	April 10	June 15	5" x 4"	For bush 4' x 3'; enrich hills; thin to two or three plants; protect from bugs.
Turnip, main crop	Bonnie Best (Chalk's Jewel)	May 1	June 15	18" x 8"	Thin to two plants when vines begin to crowd; watch for borers; protect from squash bugs.
Turnip, winter	Stone	May 15	June 15	4" x 8"	Sow about half as thick as better; thin out as soon as well started; cut leaves in gathering 3" or so above crown.
	Amber Globe	April 10	June 15	4" x 30"	Enrich hills; use plant support or stake; keep suckers trimmed off; apply nitrate of soda.
	White Globe	June 1	4: to Sept. 1	12" x 3"	Use poison bait for cutworms before setting out; thin fruit clusters if fruit rot appears.



NOTES ON VEGETABLES

"rp"—plants from frames or seed-beds.

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

Drills are continuous rows, in which the seeds are sown near together, and the plants even after thinning stand at irregular distances, usually touching.

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

Hills, which are usually especially enriched before planting, are isolated groups or clusters of plants, generally about equidistant—3' or more—each way.

Thinning consists in pulling out the surplus seedlings as soon as most of the seeds are up.

Hilling is drawing the soil up toward the roots or stems; often overdone—usually a wide, slight hill is the best.

Blanching is necessary to prepare some plants such as celery and endive, for eating; excluding the light, banking with earth, tying up the leaves, covering with prepared paper, and storing accomplish this result.

AMERICAN ANTIQUES IN ITALY

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.

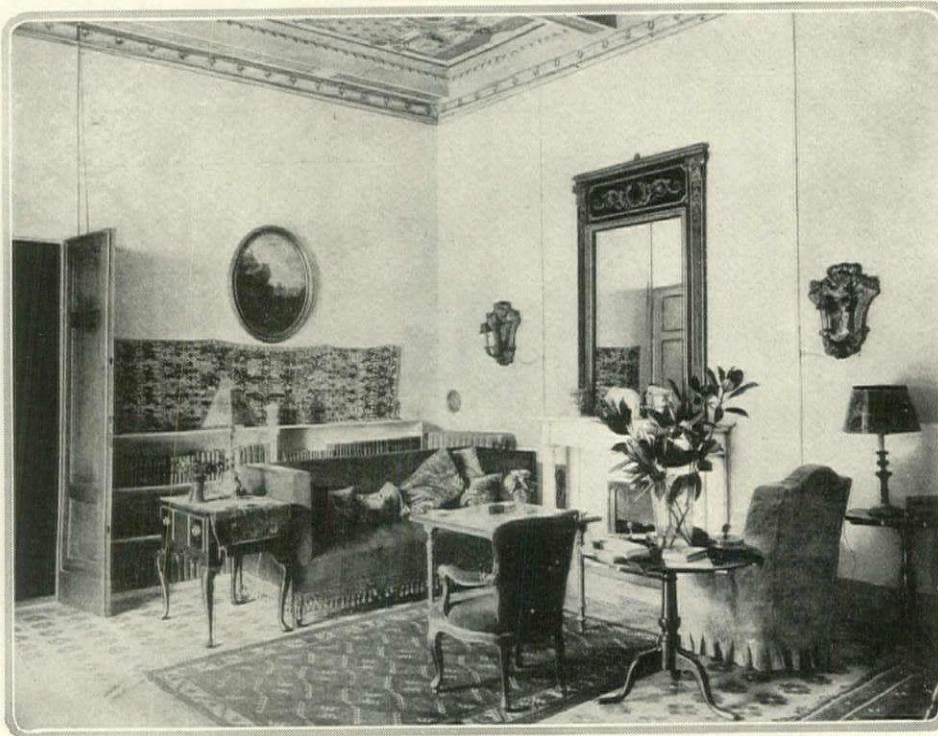
The House

The Villa Ruspoli, just outside of Florence, is much like other moderate-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



The niche on the stairs was formerly painted black and the walls had a striped dado and frieze. All this was eliminated by painting the walls cream with a plain dark base line



Combined with Italian pieces in the library are American antiques—a Queen Anne walnut lowboy, upholstered sofa and chair and little mahogany pedestal tables. The polychrome decorations of the ceiling, painted on the flat surface, remain as originally

set back a few inches within the doorway. Sometimes, in this type of doorway, the stone arch is absolutely unadorned and projects about half an inch from the wall surface, but this is the exception and by no means the rule. The window reveals are splayed and the casement work is as plain as a pipe stem.

Walls and Decoration

Thus the background to be given 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—polychrome dado and stripings, with perspective painted in black. All of this was eliminated—it was the only thing to do—and the walls from top to bottom were uniformly painted a pale cream color, with a plain dark base line extending about 9 inches from the floor.

The polychrome decoration of the beamed ceilings in the drawing room, library, and dining room were to remain untouched. The decoration in the drawing room, which is not in relief but painted on the flat plaster surface, was also retained. Upon this point one may see how the scheme could be accomplished merely neutralizing the background. The ceilings and the tiles, so characteristic of Italian work, yield a cosmopolitan interest not in the least objectionable or incongruous.

The Drawing Room

When we come to the furnishing of the drawing room, we find, in the end, an American mahogany sofa, an American mahogany Chipmunk chair, near it a mahogany Heppelwhite armchair, the nearer foreground an Italian painted commode, a Heppelwhite affair, a painted commode of

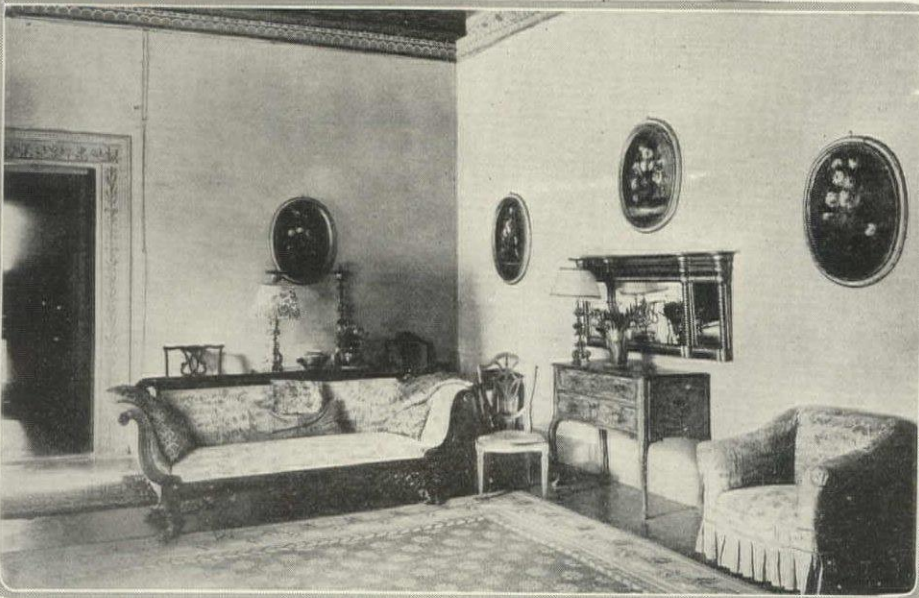
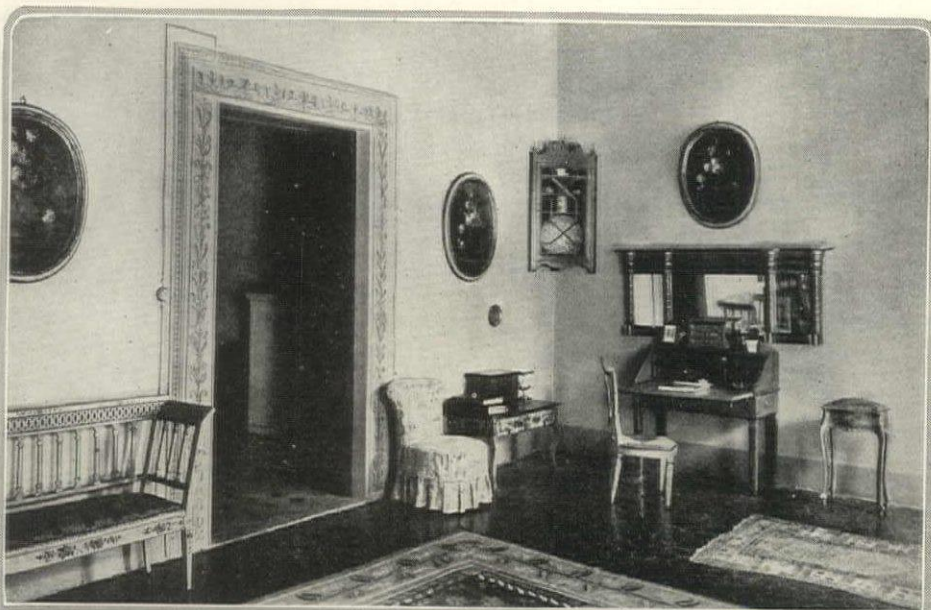
h cabriole legs, standing
neath an American Em-
e triple mirror with gilt
me, and an all-over up-
stered chair which might
of either British or
merican origin. At the
er end of the room, at
side of the door, is a
e 18th Century painted
etian settee of marked
appelwhite affinities, be-
d the door an uphol-
ed chair of no particular
tional stamp, a low
nted Venetian table, an-
er Italian Heppelwhite
nted chair, an Italian
nut secretary of Heppel-
ite relationship, an
merican Sheraton mahog-
hanging corner cup-
rd, and another Ameri-
Empire gilt-framed
r. The painted Ital-
pieces have polychrome
orations on a pale green
and.

Unifying Influences

This inventory sounds
eedingly heterogeneous
not altogether promis-

As a matter of fact,
ever, there are three
ors that have contrib-
to produce a very com-
able sense of corporate
y, notwithstanding the
divers individual items
the ensemble. First of
the room is large enough
that the objects can be

sufficiently far apart to avoid
jangling conflict between utter-
dissimilar pieces, conflict that
r proximity might precipitate.
he second place, there are certain
ts of similarity and contact be-
n some of the American an-
es and some of the Italian pieces
stably between the mahogany
pelwhite armchair and the
ted Italian chair of related de-
—to serve as a unifying bond.
largely due to the same spirit
design that simultaneously in-
ced all the better furniture
e on both sides of the Atlantic
e latter part of the 18th Cen-
and created a certain family
bblance, making it easy to re-
le local differences. Thirdly,
uniformity of upholstery stuff
e ground is old blue with a
light tan foliated figure—exerts
tent effect in tying things to-
r. The flower panels in uni-
frames of old dulled blue and
might indeed be considered a
h element in the production of



Two views of the drawing room show
American and Italian pieces used together
in perfect accord

While the high-post bed is Italian it has
strong affinities with the American Em-
pire pieces



In the library the Ameri-
can walnut Queen Anne low-
boy, the comfortable uphol-
stered sofa beside the fire-
place, 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 unmistak-
ably Italian sconces and the
lamps made from old Ital-
ian candlesticks add just
enough of the Italian ele-
ment to give a note of dis-
tinction and piquancy.

The Dining Room

The dining room, save
for the drop-leaf table of
Queen Anne kinship, is al-
together 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 li-
brary, 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 man-
ner in which Italian and American
antiques can be made to dwell to-
gether. The dominant piece in the
room is an Italian four-post bed.
The bed itself is quite low and mas-
sive 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 affini-
ties 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 com-
position, but also finds justification
for transplanting antiques that have
proved their fitness as instruments
of a pleasing cosmopolitanism in in-
terior decoration. They have shown
that American antiques in Italy need
not be like fish out of water any
more than well-bred and well-be-
haved 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

Northrup



AT THE FOOT OF THE BED



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 night and place them on a chair

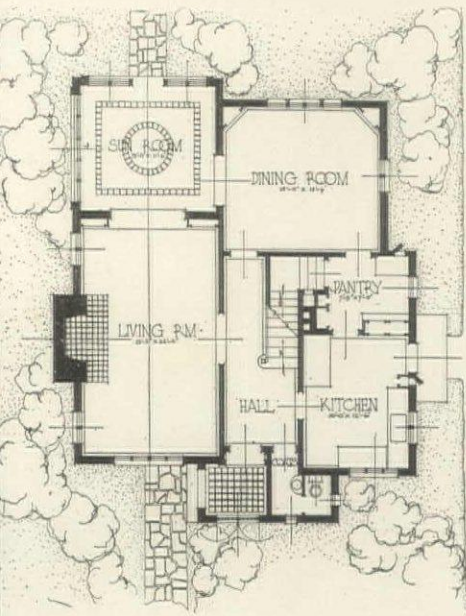


The air of harmony in the bedroom to the left is produced by using the same pattern chintz at the windows, for bedspreads and on the couch at the foot. The seeing housewife will probably criticize this arrangement because the couch has to be moved when the beds are made



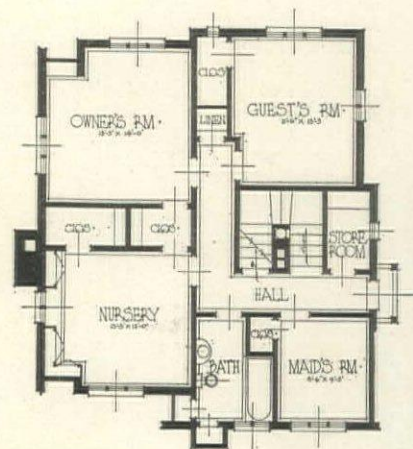
Shingles as an outside wall covering have many advantages in addition to their length of life and moderate price. They can be painted, as here. They can be laid with an occasional narrow course, thus breaking the monotony of the wall surface. This home, a residence at Spokane, Washington, also presents 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 livable house for a small family with one servant



A GROUP of FIVE SMALL HOUSES

*In Which Shingle and
Stucco Have Been Suc-
cessfully 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

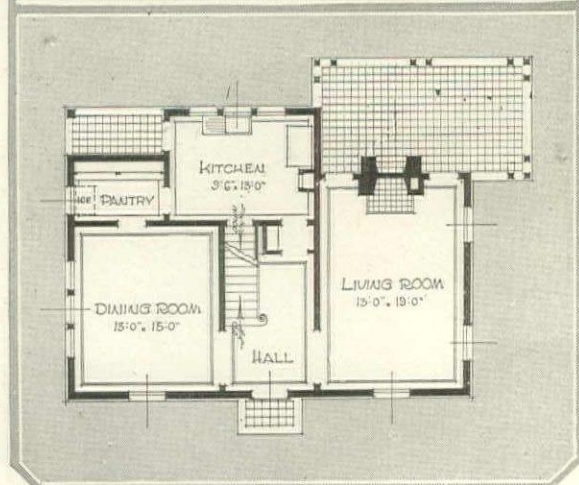
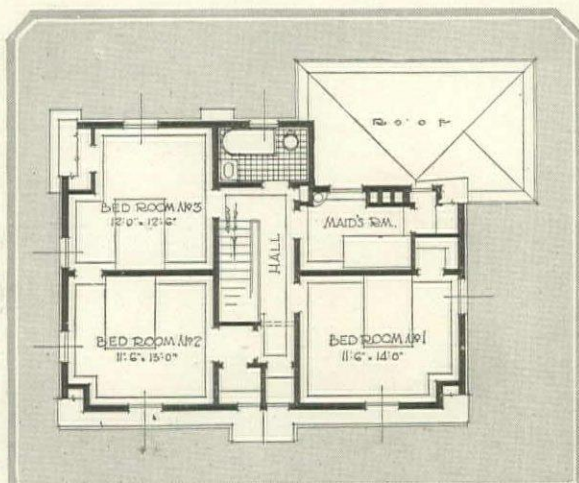
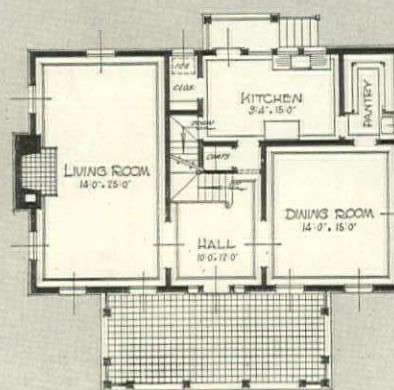
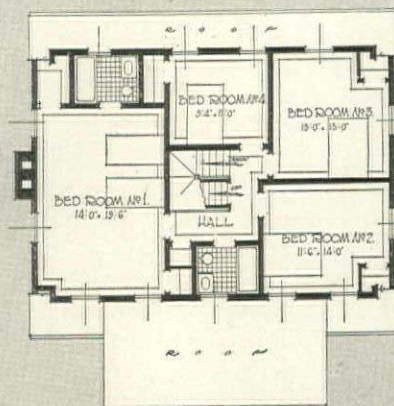


The roof is deeply indented, dormers crop out unexpectedly, the shingle of the roof spills over the shingle of the walls, yet the whole effect is pleasant. Color is given this wall by the rough stone chimney stack. The windows throughout the house are casements, the entrance lavatory being protected by a casement grill. Whitehouse & Price, architects



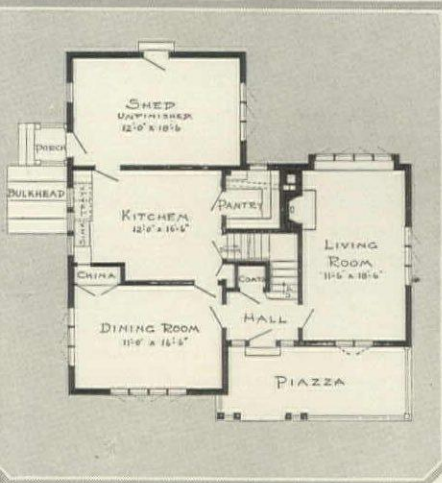
The Dutch Colonial style has been followed in designing a small, livable house for A. J. Bleecker at Tenafly, N. J. A sturdy chimney of native rubble stone displays a great variety of colors, separated by wide joints. The shingled walls are finished with an old white-washed effect and the roof shingles 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

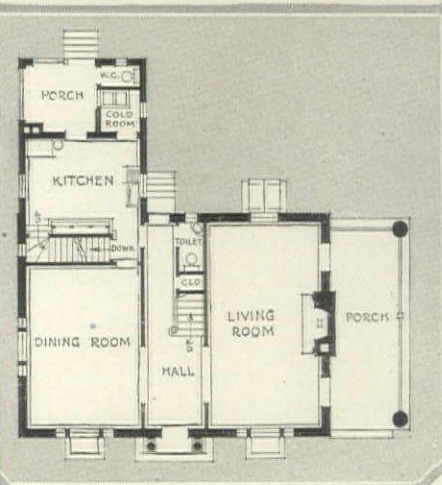
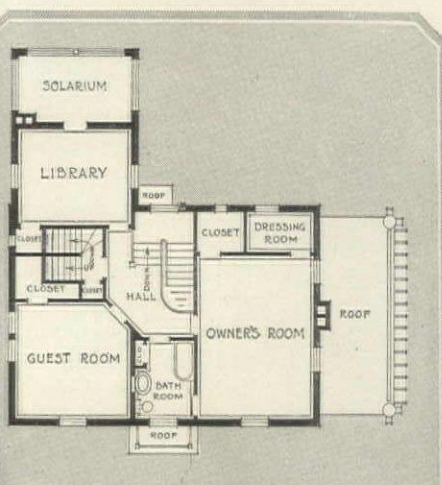
Fireplaces on the porch and in the living room are served by one chimney. The dining room is of ample proportions and the kitchen is well lighted. The dining room walls are paneled. On the second floor are three family bedrooms, all of good size, a bath and servant's room with lavatory. R. C. Hunter & 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 & Frazer, 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 sombreness 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



Harting

Gray, green and rose-colored Chinese porcelain birds harmonize well with the old Spanish mirror and console. Courtesy of Darnley, Inc.



A brilliant bird makes an unusual and attractive wall pocket for trailing ivy or a cluster of graceful peacock feathers. From Darnley, Inc.



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 native haunts to realize the value of a neutral tone background. This was peculiarly exemplified in a country house morning room. Against a span of casement windows had been placed a refectory table. There was nothing on it but a large yellow bowl filled with spring flowers and two porcelain parrots placed at the right interval on either side. The windows were open and the birds looked for background a green expanse of well-lawned lawn which deepened to almost black in the trees beyond. It was a charming picture when one entered and demonstrated the immense value of birds in a decorating scheme, especially when placed in so natural a setting.

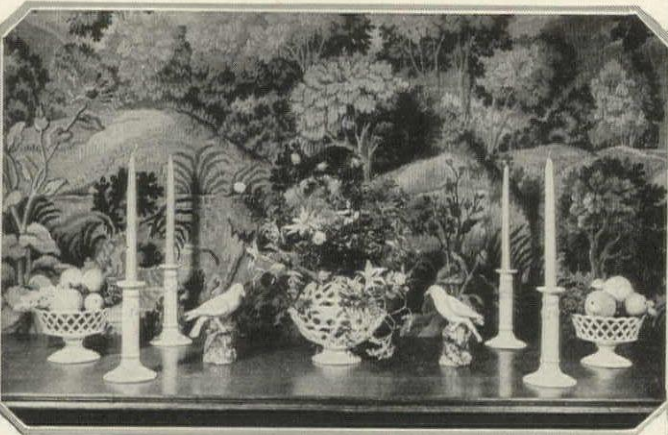
It is in sun rooms that they can be used perhaps the most effectively. The object of

this kind of room is to bring the outdoors inside the house, and here gayly colored birds are more than a decorative accessory; they are a natural part of the surroundings and may be placed on a table, or a lamp flanking a little fountain, or they may rest amid a mass of foliage or swing chalmantly from a perch. They may be used simply as holders for trailing ivy. But however placed, they are an attractive and in addition to any sun room and can be had in a variety that will complement practically any scheme of decorating that is desired.

Table Decoration

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

Chinese blue peacocks on a strip of gold cloth and a profusion of colorful fruit make an effective table decoration. Darnley, Inc.

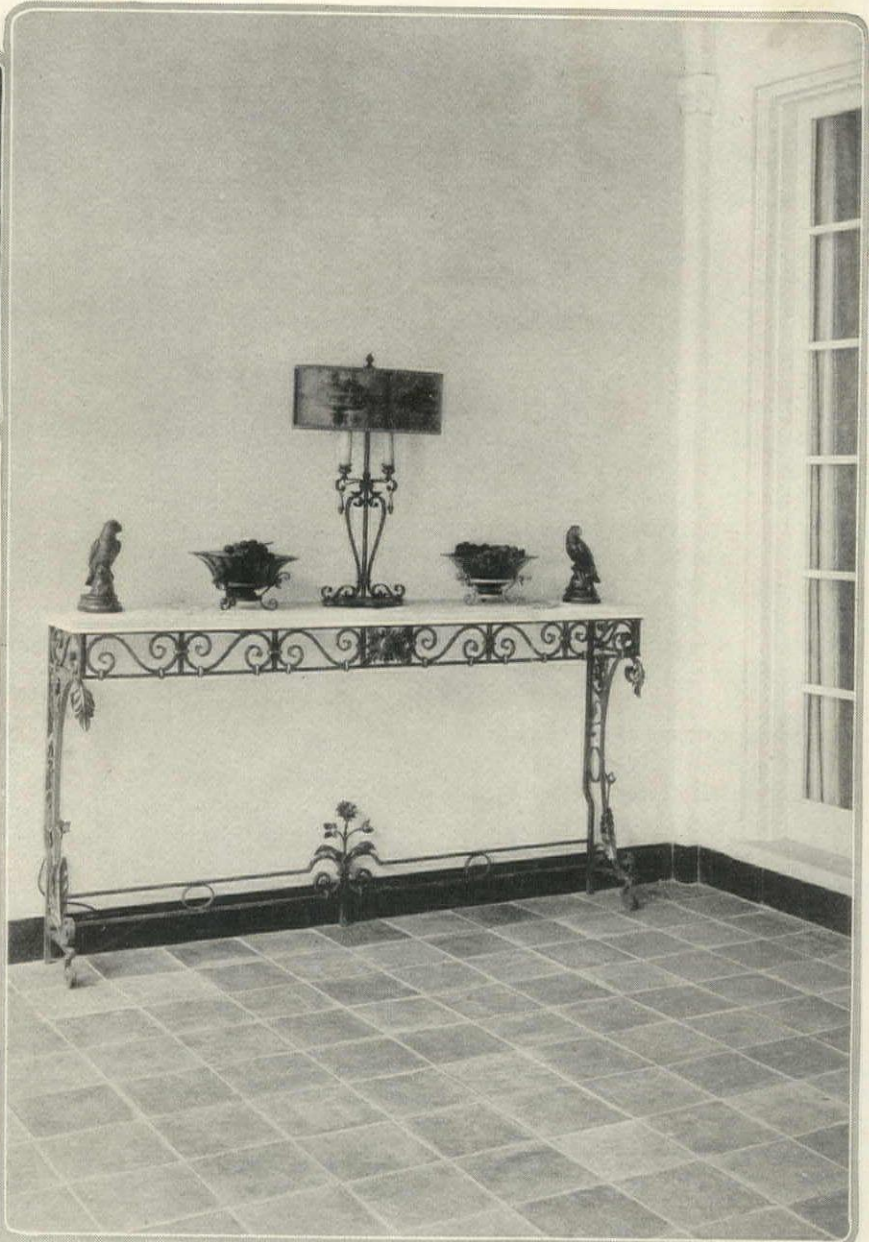


Harting

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 Darnley, 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



Northend

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 excellence
(Continued on page 76)



Northend

Fruit, birds and flowers combine well in any scheme of decoration. The Chinese chanticleers shown here complete an effective grouping

THE KNIFE-LIFE OF THE KITCHEN

Very Important Adjuncts to the Proper Management of the Cuisine Are These Simple Tools

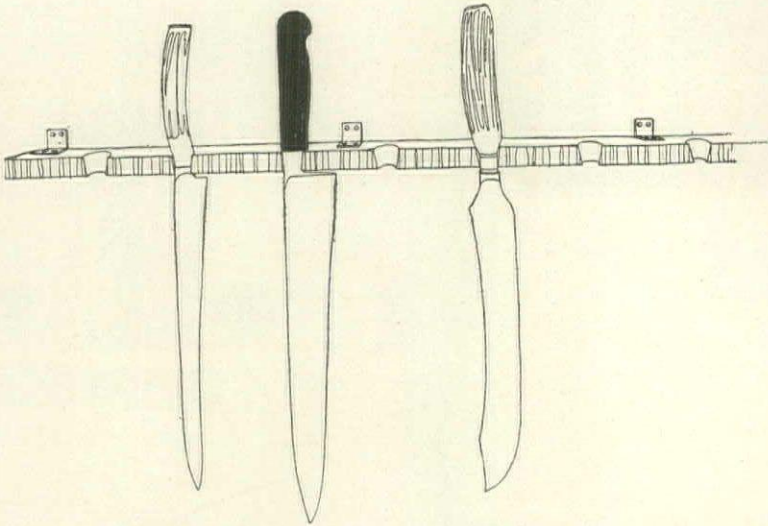
ETHEL R. PEYSER

"I WOULD like to have a vegetable knife," says a woman to the salesman.

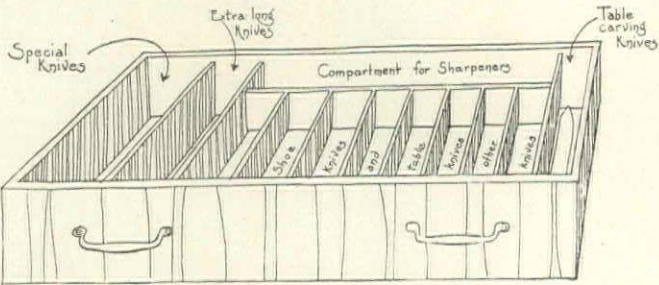
"Yes, Madam," says he, handing her a knife.

"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.

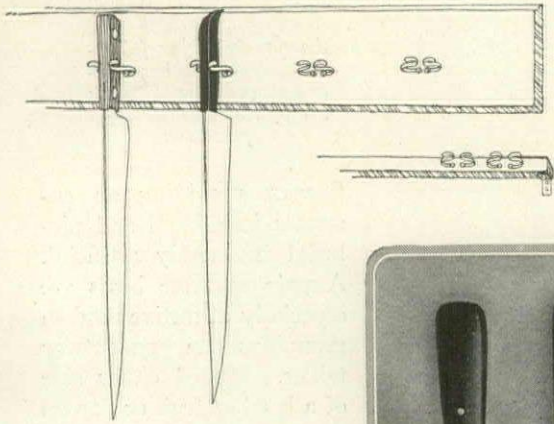
Such things are very frequent because the purchaser doesn't realize that "vegetable knife" as well as "motor car" spells many types, and that the knife is even more diversified in design than the car to meet various kinds of work. What carpenter would think of cutting across the grain with a plane meant 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.



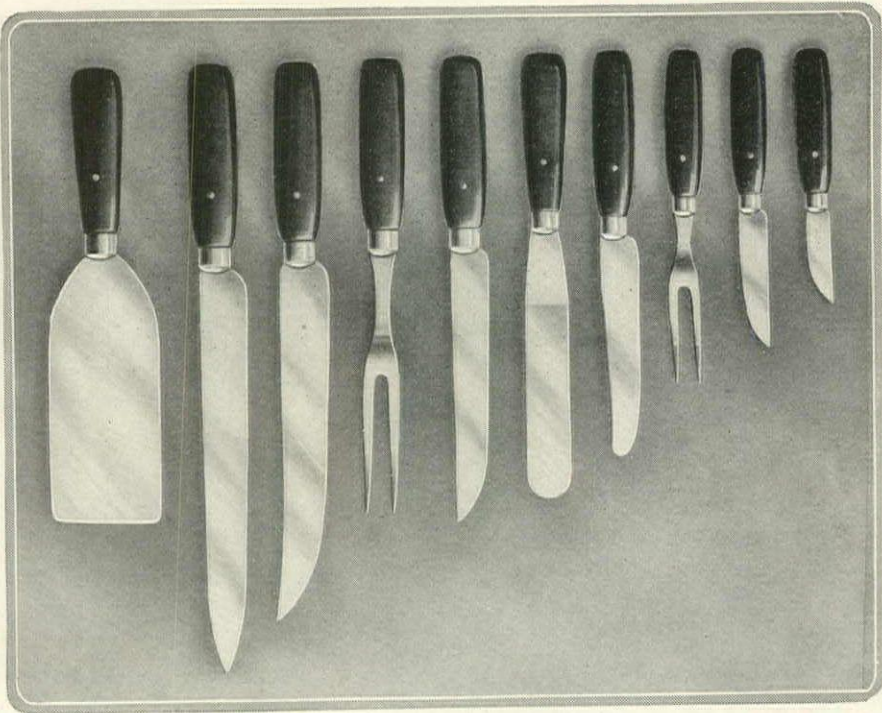
A very simple device for hanging up the larger knives is to use a narrow notched shelf above the work table, on which the knives can be suspended blade down and always within reach



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



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



The old coil spring can also be employed for a knife rack and presents one of the easiest solutions of the problem

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. Courtesy of the Harrington Cutlery Co.

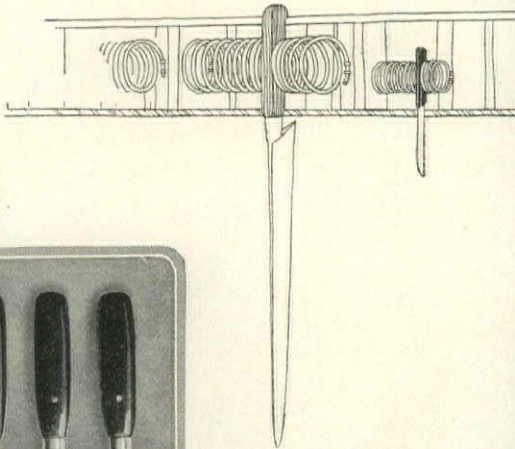
The background of the knife and fork is surrounded with historic significance and romance. The knife seems to be the first born of Father Cutlery and the fork a late development as a table essential; and the spoon comes so late that it isn't even romantic.

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, bamboo, 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



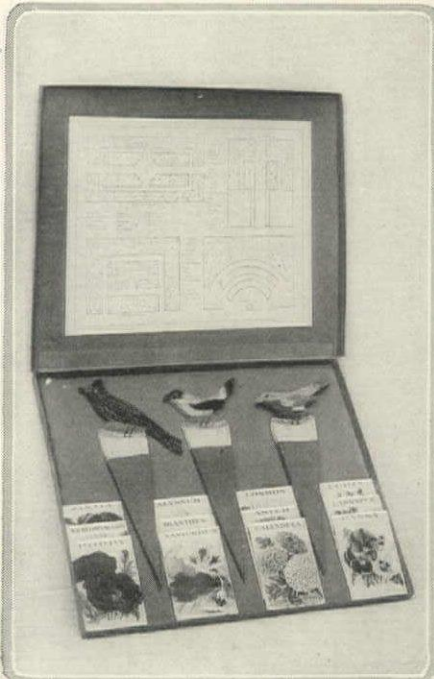
A charming flower basket, 16" long and 12" wide. In natural wicker it is \$3. It may also be had stained any color, price \$3.50

TO HELP the FLOWERS

Things which may be purchased through the HOUSE & GARDEN Shopping Service, 19 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.



For the garden lover comes this box containing four excellent plans, a dozen packets of seeds and three little luck birds. \$5 is the price for the set



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



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. \$12 complete

March

THE GARDENER'S CALENDAR

Third Month



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



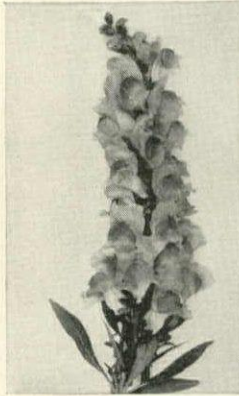
The sweet pea trench can be prepared as soon as the frost is out



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

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<p>Worn is the winter rug of white, And in the snow-bare spots once more, Glances of faint green grass in sight,— Spring's footprints on the floor, Spring here—by what magician's touch? 'Twas winter scarce an hour ago, And yet I should have guessed as much.— Those footprints in the snow! —Frank Dempster Sherman.</p>		<p>1. Chrysanthemums for next fall must be propagated now. If the space is available it is a good practice to put in a batch of cuttings every four weeks until June to assure a long period of bloom well into the autumn.</p>	<p>2. All the necessary pruning must be attended to now. Foliage trees and shrubs, all the flowering types that blossom on the old plantings, and the terminals of the new growth, such as roses and fruits of all kinds require attention.</p>	<p>3. Asparagus is one vegetable that starts growth very early, so dig the winter mulch under now, hill up the rows on the old plantings, and apply salt liberally to the bed. New plantings should be started now from good roots.</p>	<p>4. If you have not already planted them, seeds of cabbage, cauliflower, celery, parsley, lettuce, tomatoes, egg-plant, peppers, leek and onions should be sown. See page 49 for detailed information on this work.</p>	<p>5. All new plantings of hardy stock must be set out. The earlier in the planting season this is done the less losses you will have. Just as soon as the frost leaves the ground is the proper time for work of this sort.</p>
<p>6. Changes of all kinds where the moving of plants, sod, hedges, etc., is involved, must be carried into execution at once. This also applies to garden walks which, if altered in early spring, settle by summer, becoming permanent.</p>	<p>7. All the exotie plants, such as kentias, dracaenas, cocos, arecas, etc., should be re-potted at this time. Use pots about 1 inch larger than the plants now occupy. The soil must be light, containing plenty of leaf mold.</p>	<p>8. Where absolutely necessary, bay trees, hydrangeas and other ornamental plants should be retubbed. Others can be re-fertilized by digging out some of the old soil with a trowel and filling in with a rich, fresh mixture.</p>	<p>9. Have you everything in readiness for the opening of the big garden drive next month? Seeds, garden line, plant labels, measuring stick, pea brush, bean poles and tomato supports are a few essentials.</p>	<p>10. Better make arrangements now to use your greenhouse for some useful purpose this summer. Posted fruits, chrysanthemums, melons, English forcing cucumbers, etc., are some of the many possible products.</p>	<p>11. Cannas, especially the newer or better types, should be divided by cutting the eyes separately. They can then be rooted by placing in sharp sand, or they may be potted up in a very light soil mixture if you prefer.</p>	<p>12. Cuttings of all the various types of bedding plants should be started early in this month. Coleus, geraniums, lantana, heliotrope, ageratum, etc., are some which come under this heading.</p>
<p>13. Make a habit of heeling in your nursery stock the instant it arrives. Stock that is allowed to lie around in the wind and sun is certain to show heavy losses, because its roots will be dried out and the smaller ones will die.</p>	<p>14. Sowing of all the more common types of annual flowers should be attended to now. Asters, zinnias, calendula, balsams, salvia, marigold, scabiosa, pansies, stocks, etc., are some of the many varieties that may be planted.</p>	<p>15. Any changes in old plantings or new plants contemplated for the perennial border should be finished up at the earliest moment. Those which are planted early in the season will flower into this coming summer.</p>	<p>16. Specimen trees of all types that are not growing satisfactorily can be invigorated by cutting a trench entirely around the tree about four feet from the trunk and filling it in with good rich earth well tamped down.</p>	<p>17. Small fruits of the different types can be planted now. Grapes, raspberries, blackberries, etc., can be trained on wire trellises, or stakes may be used. The latter are neater and more economical of space.</p>	<p>18. Before the buds burst on the deciduous trees and shrubs, the whole growth should be looked over carefully for any caterpillar nests, which can easily be destroyed by burning without injuring the plants.</p>	<p>19. The covering on the strawberries should be removed and burned and the manure mulch can be dug under. In cases where for some reason no fall mulch was applied the bed should be well manured and dug in.</p>
<p>20. This is the time to think of flowers for next winter in the greenhouse. Primula of the Chinese or Obconical type, cyclamen and antirrhinum are three of the best sorts. They should be started from seed now under glass.</p>	<p>21. All the various garden tools will soon be in use regularly. Are they in proper condition? Good work is impossible with poor or dull tools. Go over all the implements, removing any rust and sharpening the cutting edges.</p>	<p>22. The top protection on the rose bushes can now be removed; dig the winter mulch of manure well under. A liberal application of bone meal to the soil will produce worthwhile results during the flowering season this year.</p>	<p>23. If you are considering new lawns this spring get the ground ready for seeding just as soon as it can be worked. Early sowings will prove to be much freer of weeds than those which are made during the summer months.</p>	<p>24. All the best varieties of dahlia roots should be started into growth so that cuttings can be made of those desired. If the roots are laid upon a few inches of sand and watered freely they will soon start into growth.</p>	<p>25. Sweet peas may be sown out of doors now. Dig trenches about two feet deep and the width of a spade. Fill the trench with good top soil and manure well mixed and sow the seed about two inches below the surface.</p>	<p>26. Mulches of all kinds applied to shrubbery borders, perennial plantings, flower beds, etc., should be dug under. In doing this, get the manure as deep as possible and see that it is thoroughly incorporated with the soil.</p>
<p>27. Most of the diseases to which potatoes are heir are caused by dry, hot weather. Potatoes like cool, moist soil. Prepare a piece of ground and plant them now, or as soon as the soil can be worked. An early start makes success.</p>	<p>28. All trees and shrubs that are subject to attacks of San Jose scale should be sprayed with one of the soluble oil mixtures before the buds swell. At least forty-eight hours are needed to produce a good vigorous growth of grass.</p>	<p>29. Manure applied to lawns last fall must now be raked up. All lawns should be raked clean and rolled or tamped. A top dressing of wood ashes and bone meal will help to produce a good vigorous growth of grass.</p>	<p>30. Boards, straw, burlap, cornstalks and other winter covering materials for boxwood and such tender plants must be removed now. If possible, select dull, cloudy weather for carrying on this important operation.</p>	<p>31. Rhubarb should now be showing some growth. Barrels placed over the plants will give earlier and better stalks. Beds that were not mulched should have a good application of manure dug into them at about this time.</p>	<p>He must go—go—go away from here! On the other side the world he's overdue. 'Send your road be clear before you when the old Spring-fret comes o'er you, And the Red Gods call for you! —Kipling.</p>	
<p>I SEE in the paper where one of these here commutercusses down Pennsylvania way's ben puttin' electric lights in his chicken coop so's the hens'd think it was daylight all the time an' keep on layin' accordin'ly. Seems he had to let 'em have some sleep, but 'twarn't only a few hours a night.</p> <p>Durn mean trick, I bet it, to fool them poor hens thataway. But they got onto him purty quick an' wouldn't wake up when he switched on the lights at three A. M. Then he goes an' gits him a whalin' big alarm clock, sets it fer Gord knows how early in the mornin', an' puts it on a shelf in the coop. 'Cordin' to the paper it worked fine, an' the hens git to scratchin' 'round an' layin' two-three hours afore sun-up.</p> <p>Don't it beat all how ornery mean some folks'll git jus' fer the sake of a few more eggs?</p> <p>—OLD DOC LEMMON.</p>						

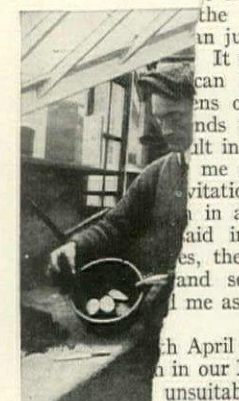
This calendar of the gardener's labors is aimed as a reminder for undertaking all his tasks in season. It is fitted to the latitude of the Middle States, but its service should be available for the whole country if it be remembered that for every one hundred miles north or south there is a difference of from five to seven days later or earlier in performing garden operations. The dates given are, of course, for an average season.



For early flowering, start antirrhinums indoors this month. Courtesy of Dreer



Thorough cultivation with a rake is a necessary preliminary to good crop



Shells or eggs (page 64) crocks over to prevent clog



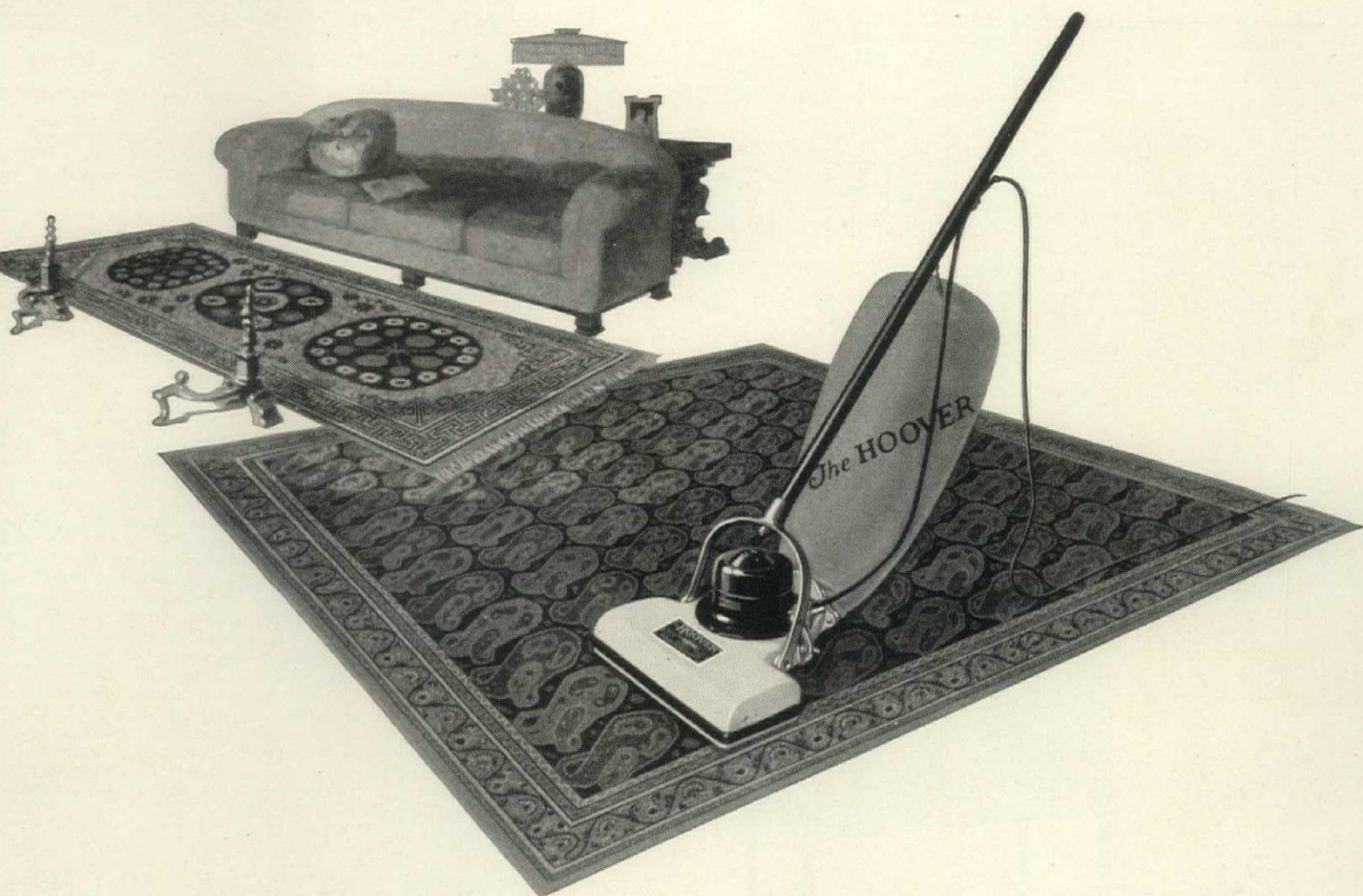
The improved large-flowering dwarf zinnias come in a wide range of colors—canary, orange, scarlet, white, etc. Courtesy of Henry A. Dreer



A new double dahlia-flowered zinnia grows 3' tall, with flowers 6" across. It is to be had in many colors. Dreer



Before the seedlings begin to crowd they should be transplanted to other pots or boxes where they will have room to develop properly before setting out



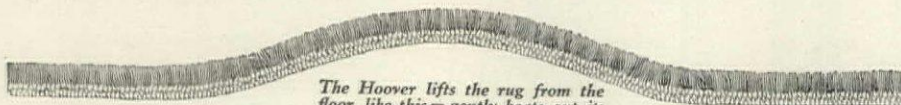
Desiring to practise genuine thrift at home, many thoughtful people have decided that it is wiser to invest once in a Hoover than to invest repeatedly in new rugs. For this efficient cleaner saves rugs from wear by gently beating out all nap-cutting, embedded grit. It preserves rug beauty by lifting 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.

The HOOVER

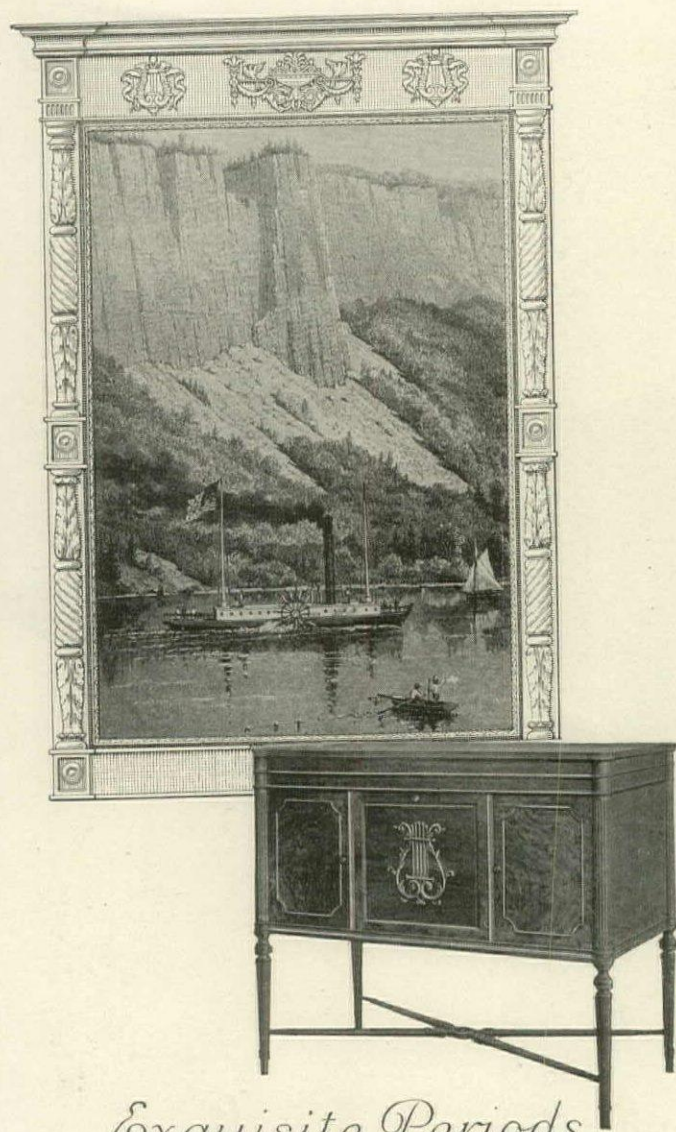
It Beats — as it Sweeps — as it Cleans

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."

THE HOOVER SUCTION SWEEPER COMPANY, NORTH CANTON, OHIO
The oldest makers of electric cleaners
 Also made in Canada, at Hamilton, Ontario



The Hoover lifts the rug from the floor, like this — gently beats out its embedded grit, and so prolongs its life



Exquisite Periods

BESIDES obtaining a tone rich, true, expressive, matchless in beauty and charm, in the Sonora you secure a phonograph that is a delight to the eye.

Above is shown the Sonora Duncan Phyfe, fashioned after an original made by America's greatest designer early in the nineteenth century.

You can choose from twenty-four superb period Sonoras and seven captivating upright models.

Sonora won highest score for tone at the Panama Pacific Exposition and plays ALL MAKES of disc records perfectly without extra attachments.

For important features Sonora is unequalled.

Prices: \$75 to \$1800.

Send for General Catalog 48 or Period Catalog 48X

SONORA PHONOGRAPH COMPANY, INC.

George E. Brightson, President

New York City: 5th Avenue at 53rd Street—279 Broadway

Canadian Distributors: I. Montagnes & Co., Toronto Dealers Everywhere

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)

where on the landscape—those mists of carmine on the swamp dogwoods, that "mealy redness" of the elm blossom, the willow's golden clouds, all backed by distances of smoky blue and canopied by a clear blue sky? It is not when we are wrapped around by warmth that such pictures exist. They come into being through that force which only the spring knows. They compensate one for the cold winds and chilly airs of our April, which as Horace Walpole said of May in England, comes in "with its usual severity".

Well wrapped against the weather, April has its peculiar pleasures. Here 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, Ageratum 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.

All is in low relief, but in perfect or-

der, an order which is enchanting cause a living plan is spread out before one—drawn in dazzling green and purplish brown—with the surrounding hedges, shrubs and trees picked out their own first greens, from Norway maples' wondrous light yellow green to the silvery leaves of shadbush. On old apple trees there are but pin points of that sweetest of all greens, their buds. Puschkinias and crocuses faint now, fading, and in unexpected places, under delicately leaved shrubs, Daffodils come into their own, a gold flood.

In one such spot today, I found a colony of Narcissus Ariadne in bloom over a group of little mertenias of a much darker blue than *M. virginica*. This must be, I think, *Mertensia lanceolata*—very early; in the shadow, be shrubs, the flower, almost like sapphire. An interesting flower this, about six inches high, with a deep rose colored bud, the whole panicle of bloom much richer in color and effect than the commonly used lungwort of Pennsylvania, Delaware and Virginia.

But over the garden picture in the afternoon come the long rays of brilliant spring sun; then the pattern stands out as almost too dazzling; beyond the garden the blue-green bush honeysuckles against the bright greens of pine and hemlock in shadow, show the beholder one of the glorious moments of this lovely month of May.

SIMPLE SURGERY in the ORCHARD

HUGH FINDLAY

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 one being an over-production of fruit. This often takes the form of breakage at the crotch which might have been prevented if the tree had been

started right with alternate instead of opposite limbs. It might also have been prevented in many cases by thinning apples when they are about the size of a quarter, or shortly after the drop. Usually only one apple is to develop on a spur and the apples are spaced on the limbs about 6" apart. Where the limbs are alternate and the tree is heavily fed, thinning may not be advisable.

Another cause of breakage is weather. I have seen apparently sound limbs split at a crotch after a week of snow followed by severe frost weather and high winds. There may be other causes such as the bruising of a weak limb while cultivating against a weak limb while cultivating the action of fungus and insects in

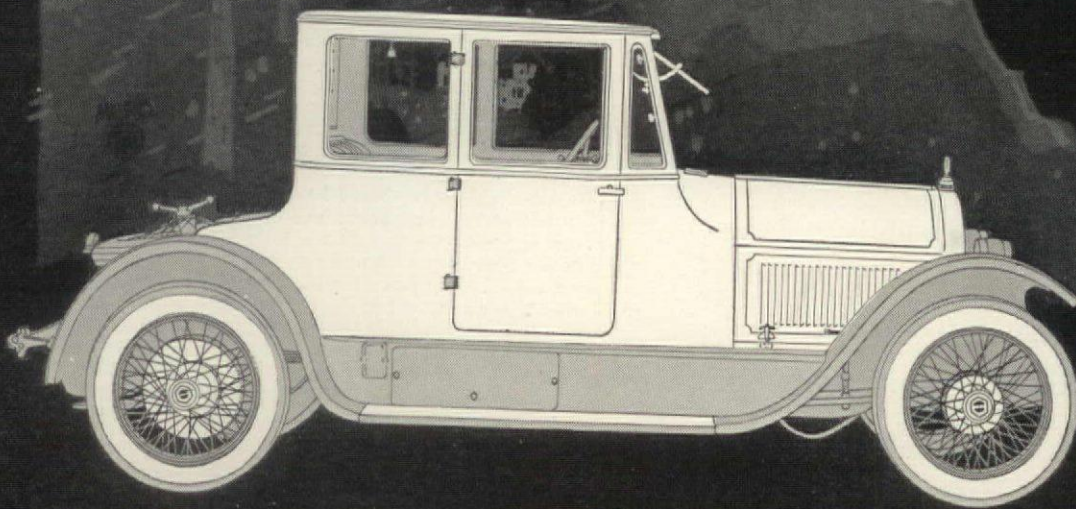
(Continued on page 66)



A bad crotch plus wind was the cause of the damage. The bark of trunk and limb has not been entirely severed



The limb in place, the wound sealed with grafting wax, and the scions which will serve as brace inserted



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



Suckers from the base of the trunk grafted to weak branches to brace them and lend added vigor to their growth

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 washers at each end may be used on young trees to hold the broken limb secure.

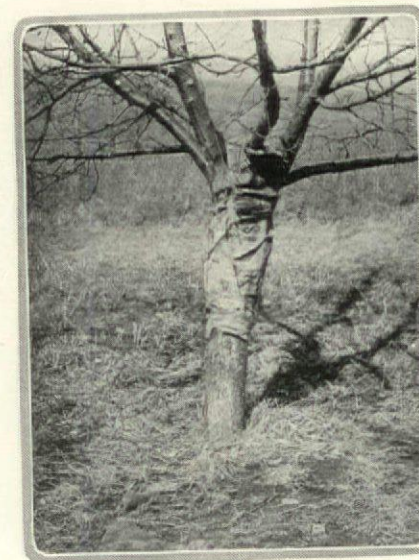
After the limb is fastened in position and its bark and that on the trunk of the tree fit perfectly, you are ready to insert the scions or live braces. Twigs used for these should always be of the previous year's growth and enough to reach from the trunk a foot or 2" below the base of the break to the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

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

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

The next and a most important step is to apply grafting wax at each connection, which makes the saving of

(Continued on page 70)



Burla wrapped the complete pair to the scions dried out position

PERMANENT EXHIBITION
OF
ITALIAN, ENGLISH,
AND FRENCH
ANTIQUE FURNITURE
AND
REPRODUCTIONS

INQUIRIES SOLICITED
THROUGH YOUR
DEALER OR DECORATOR

THE ORSENIGO COMPANY, INC.

112 WEST 42ND STREET

NEW YORK CITY



A GROUP OF ORIGINAL ITALIAN PIECES



Old
Hampshire Stationery

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.

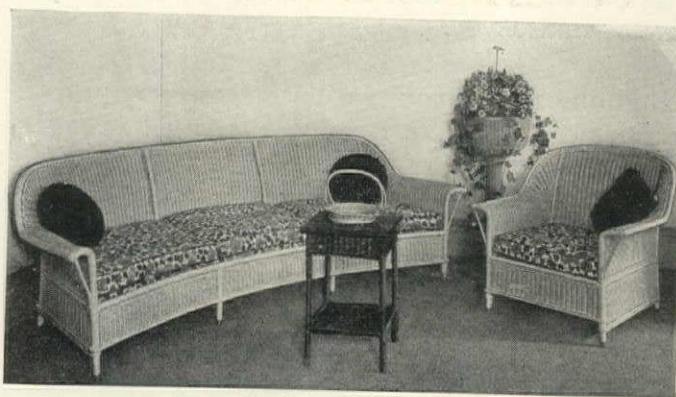
May we send you some free samples of the Old Hampshire letter paper and envelopes?

Fine Stationery Department

HAMPSHIRE PAPER COMPANY

South Hadley Falls, Mass.

Makers of Old Hampshire Bond



Genuine Reed Furniture

Exclusive Selections
for Homes of Refinement, Clubs and Yachts

*Since we specialize in Reed Furniture of
Unusual Character you have the advantages
of Distinctiveness and Exceptional Quality*

CRETONNES, CHINTZES, UPHOLSTERY FABRICS
Interior Decorating

The REED SHOP, INC.

581 FIFTH AVENUE, NEW YORK

"Suggestions in Reed Furniture" forwarded on receipt of 25c postage



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. Write today.

WADSWORTH, HOWLAND & CO., Inc.
Paint and Varnish Makers
BOSTON, MASSACHUSETTS

New York Office,
Architects Bldg.



Philadelphia Office,
1524 Chestnut Street.

BAY STATE

Brick and Cement Coating

HOME HANGARS FOR THE 'PLANE OR FLYING BOAT

GEORGE W. SUTTON, Jr.

AS the sport of flying becomes more and more a part of our social life, the question of private hangars is going 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 land machine 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 older 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 of the consideration, must be stored outside or in a lean-to 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 land craft, the other the water craft. The person who has a home on a protected body of water has a comparatively simple 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 12' to 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 many times it is necessary to climb a stepladder and work on the top of the hangar. This is very important, as the machine must be inspected thoroughly before every flight.

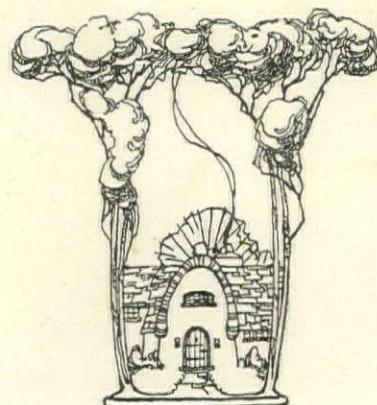
The land 'plane is usually of larger dimensions than the flying boat. The hangar space should provide for a 35' to 40' wing spread. The doors should be sliding and so constructed that when they are pushed back the front of the hangar is open. It has been found that a concrete floor with a drain in the 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 a hot room be left around the machine and above it to do this work without cramping.

The danger from the exhaust of an airplane is greater than that of a motor car; therefore, gasoline and explosive materials should be stored underground, or at least outside and away from the garage. The fabric of a plane is combustible when exposed to a direct flame. This fabric is damaged by tools and other hardware falling on it. A special room should be provided for the storage of tools, of which there are two kinds. One set entailing the use of a few hundred instruments is known as the rigging set and is used on all of the 'plane excepting the motor. The other, an ordinary set of a mechanic's tools is adequate. The room should be equipped with a sized work bench and lockers and drawers for the storing of tools in an efficient manner. The workroom should be equipped with a vise, a blow-torch and other paraphernalia because it is necessary to replace wires, turn cotter-pins and other bits of hardware about the 'plane.

Materials and Construction

The hangar must be windproof and solid. Sheet iron has been found to be a good lining for airplane hangars because of the simplicity of construction and the ease with which it can be altered. If one's hangar is near a public landing field, with which many are now equipped, the entrance to the hangar should be from a very short roadway leading to a main road so you can wheel the machine on or out to the flying field. If there is no flying field near your hangar, you should provide one with at least a 100' runway in every direction.

The architectural design of a hangar may be any one of a number of simplified types. Probably the best practical purposes is that with wide sides.





The wheelwright invented the Windsor chair by adding a back to the ancient Saxon stool

DANERSK FURNITURE



The Windsor set is finished in walnut or the beautiful Danersk lacquer colors



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 inserted 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 handiwork. 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 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

Braus Galleries Inc.

Established 1888

58 Fifth Ave. at 34th St.
22 Madison Avenue
Between 48th & 49th Sts.
New York

Paintings, Mezzotints
Mirrors, Lamps, Shades
Period Furniture
Hangings, Framing

Interior Decorating



3-Light Brass
Sconce for can-
dles only \$8.50.
Height 12".
Width 11½".



Lamp and
Shield 15" high
(total).
Shield—Hand-
Decorated
Linen Glass.
Jap porcelain
base in Blue,
Coral and Yel-
low \$11.00 com-
plete—electric.

MILCH GALLERIES

SPECIAL EXHIBITIONS of
PAINTINGS

by

ROBERT HENRI

February 28—March 12

GARI MELCHERS

March 14—April 9

"Art Notes" on request

8 West 57th Street

New York



"The Joy of the Waters" by Harriet Frishmuth

BENGAL-ORIENTAL RUGS

World's Most Renowned Reproductions of Oriental Rugs

Woven entirely in one piece



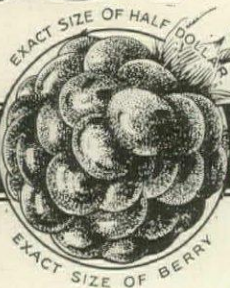
A fabric woven in one piece—an unbroken surface in which an unlimited number of colors could be used—this has always been the dream of the master rug weaver who was striving to faithfully reproduce rugs from the Orient. The Bengal-Oriental rug bears this hall mark of the Oriental, and the greater your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

Chinese Peony study

Medium dark blue background; deep gold scrolls, peony in many attractive, harmonious shades. Border background mellow gold.
Send 10 cents for portfolio of color plates and nearest dealer's name.

La France Giant Everbearing Red Raspberry



**BIG JUICY SWEET BERRIES
FROM JULY TO NOVEMBER**

GROWN in the gardens of J. P. Morgan, Glen Cove, N. Y.; John D. Rockefeller, Pocantico Hills, N. Y.; P. S. du Pont, Wilmington, Del.; Chas. M. Schwab, Loretto, Pa.; James J. Hill Estate, Lake Geneva, Wis.; Henry Ford, Dearborn, Mich.; and others who demand the world's best.

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 the same delicious flavor from first to last. 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. Circulars on request.

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

Raspberry
Farms
at Sound
Beach,
Conn., and
Glen Head,
N. Y.

GROWN in the gardens of J. P. Morgan, Glen Cove, N. Y.; John D. Rockefeller, Pocantico Hills, N. Y.; P. S. du Pont, Wilmington, Del.; Chas. M. Schwab, Loretto, Pa.; James J. Hill Estate, Lake Geneva, Wis.; Henry Ford, Dearborn, Mich.; and others who demand the world's best.

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 the same delicious flavor from first to last. 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. Circulars on request.

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

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

Raspberry
Farms
at Sound
Beach,
Conn., and
Glen Head,
N. Y.

GROWN in the gardens of J. P. Morgan, Glen Cove, N. Y.; John D. Rockefeller, Pocantico Hills, N. Y.; P. S. du Pont, Wilmington, Del.; Chas. M. Schwab, Loretto, Pa.; James J. Hill Estate, Lake Geneva, Wis.; Henry Ford, Dearborn, Mich.; and others who demand the world's best.

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 the same delicious flavor from first to last. 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. Circulars on request.

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

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

Raspberry
Farms
at Sound
Beach,
Conn., and
Glen Head,
N. Y.

Simple Surgery in the Orchard

(Continued from page 68)

of connection of the scion with trunk and limb. Also cover the wounds of the limb where it split from the parent tree. Grafting wax should be used freely so that all moisture may be kept out of the crotch of the tree. If the scions are now left exposed to the weather, they frequently dry out. Therefore it is advisable to wrap burlap or some other material around them to protect them from the direct rays of the sun and the drying winds. It is to the advantage of the tree to leave this protective covering on for at least a year. The tree should be wrapped with great care and stakes driven around it so that the scions will not be disturbed.

The following spring the scions will have made the proper connections and the covering may be removed. In a few years the scions expand and not only supply the necessary sap to the broken limb, but completely heal the wound. All fruit should be kept from the broken limb for at least two years so that there

will be no undue strain on these bridges.

Often the lower limbs of a tree are sickly or weak. In this case, suckers may be used as scions. If suckers do not develop at the base of the tree and they should not if the tree is properly—one may remove from 4" of soil from the base of the tree so that the air and light can reach the wild stock into which the desired variety has been grafted. In this suckers frequently appear. After two years' growth, cut out all buds cut the tips of the suckers wedge-shaped. Insert these tips into incisions made in the sickly or weak limbs and cover the wounds with wax. Frequently suckers are bound with tape to them in position. This operation should be performed early in the spring, one week before the buds start. Suckers will grow vigorously and an extra supply of sap to the limbs as well as form natural branches.

Some Gardens at Bar Harbor

(Continued from page 25)

gardener can secure his delight. The white of meadow rue, the red and the blue of other flowers make their most eloquent gestures against the evergreens. Nothing of effect is lost when such a screen stands behind the flowers.

Best of all, the wall has exquisite texture of its own. Upon the spruces and cedars around the Murray Young garden, for example, the light falls in dark or in light masses where twig tips spread it in silver gleams or recesses of branches dye it black. The wall thus is significantly beautiful itself.

This general character of the natural setting has deeply affected the style of the gardens. One who stands on any of the mountain peaks and sweeps the surface of the island with his eye sees at once how shaggy, how romantic, how wild it is. Thus the view of the Satterlee bungalow and its surrounding forest.

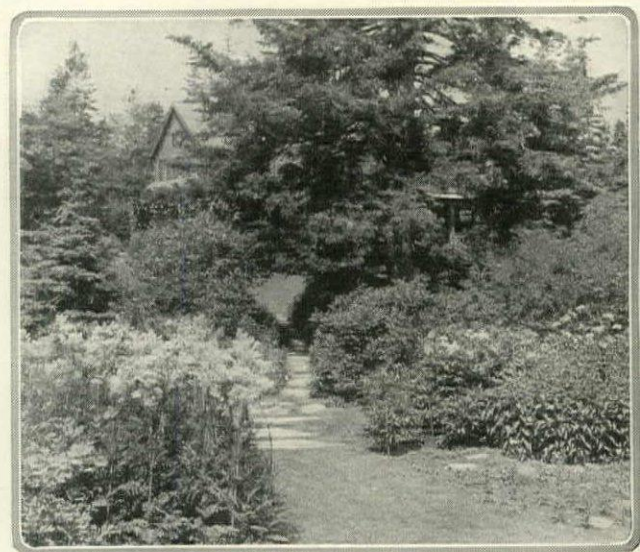
Though some gardens are here wholly formal, and others have sections of formal planting and architecture, the general tenor is informal. As a famous gardener has remarked, it is impossible to make this northern island look like Italy though one spent a million dollars a year. It simply won't be made into what it is not. When one spies the exquisite spring house of the Sieur de

Mont's Spring, in the Lafayette National Park, near Bar Harbor, for a moment there sweeps over him the delusion here is Italy, but he is quickly reminded to his northern surroundings. The effect is more truly that of the Swiss coast. The gardeners have obeyed, most often, the demand for a strong landscape, and have contented themselves with a few trees.

Some of the gardens, being on the edge of the rocky seashore, make an attempt to wrench the coastline into new forms, but adapt their own to what they find. In the same way the designers do not contend with the trees which are ready to make the trees conform to the winding edge of the trees allow. By so doing they gain in winning charm. The freedom when plants creep snugly into the little recesses among the trees give way for the thrusting wherever it serves, makes a transition from garden to growth and unites the whole landscape into a complete composition.

To the gardener's aid in this informal work comes the character of the paths and stone work from the island so richly holds. From the porch leads into the garden. The eye catches the light from the

(Continued on page 72)



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

DREER'S FAMOUS AMERICAN ASTERS

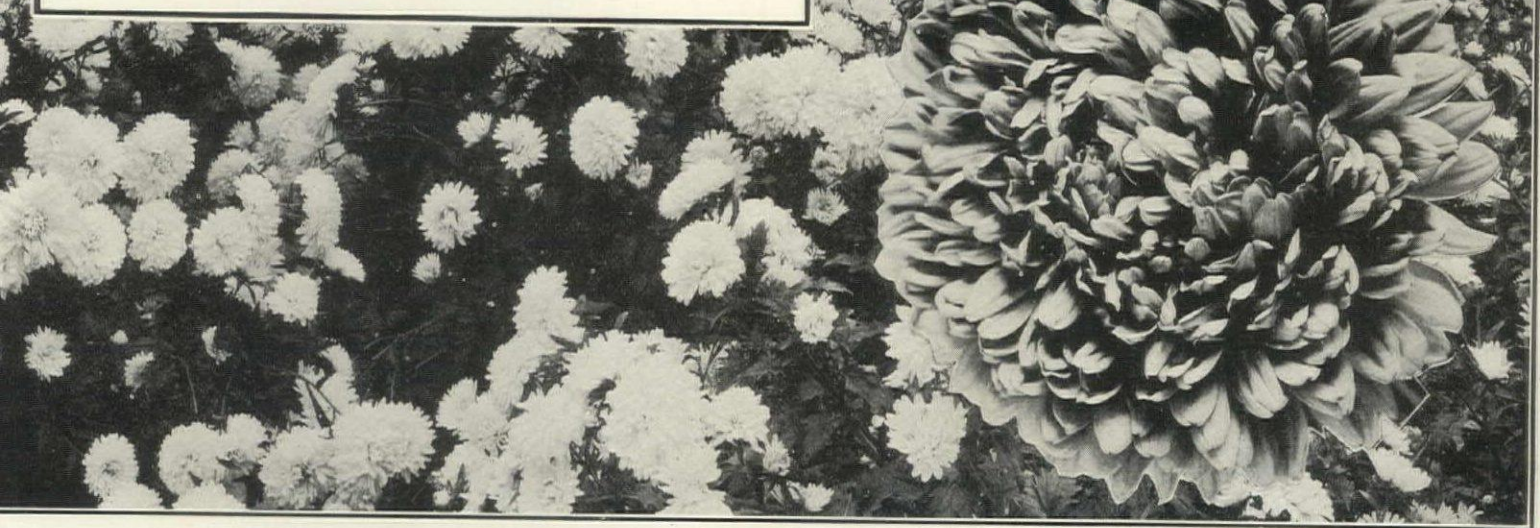
AMERICAN grown Asters are one of our leading specialties and our list of over sixty varieties and colors comprises only such sorts as can be planted with perfect confidence that nothing better can be procured, no matter at what price or from what source.

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 Agricultural 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, 714-16 Chestnut St.
Philadelphia, Pa.



The Wonderful New ROCHESTER PEACH

Bears the First Year

HARDEST TO PLANT EARLIEST TO BEAR RICHEST IN QUALITY



THE best Peach to plant for the farm, for the city home, for the country estate. Plant an orchard if you can, but even a few trees will be a great acquisition.

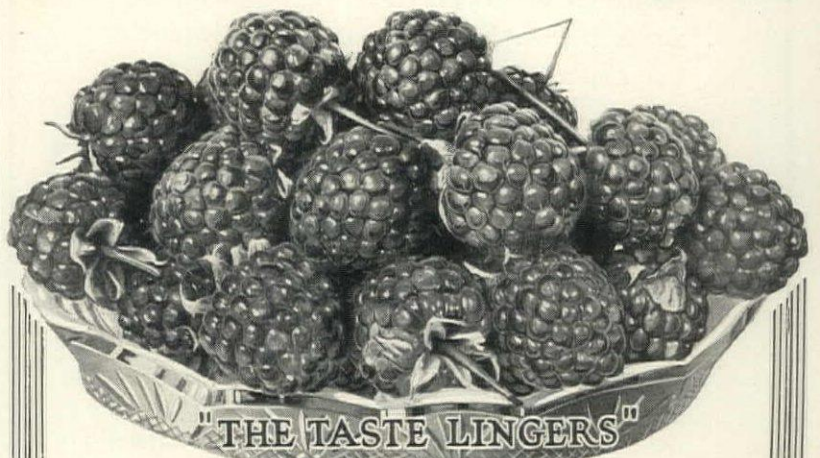
The Rochester Peach is the most wonderful, most delicious peach obtainable—yellow and red free-stone—stone very small. For eating and canning it cannot be surpassed.

The new Rochester Peach has an exquisite, delicate, distinctive flavor. Its flesh is of the richest yellow, highly flavored and luscious through and through.

The new Rochester Peach is a strong, upright grower with a well-developed top. It comes into ripening the middle of August and bears the first year. Stands shipment as well as an Elberta. Hardier even than an Elberta or Crawford. Has stood 16 degrees below zero and produced a full crop.

WRITE for our beautiful Spring Catalogue, illustrated in color, describing this remarkable Peach, Bearing-age fruit trees, Blueberries, Ever-bearing Raspberries and other nursery stock.

J. G. MAYO & COMPANY
World's Best Trees & Plants for the Home Grounds
900 Ellwanger & Barry Building
ROCHESTER, N. Y.



LOOK STEADILY AT THIS DISH OF RASPBERRIES FOR A FEW SECONDS, THEN THINK OF THE DELICIOUS MELTING FLESH, FULL OF RICH CREAMY JUICE. DID YOUR MOUTH WATER?

Erskine Park Everbearing Red Raspberry

The early 'till late berry

SHOULD BE PLANTED IN EVERY GARDEN

Conceive the joy and satisfaction of having such berries on your table all through the summer and autumn, the source of wonder to your neighbors, that you can pick the finest raspberries from the latter part of June until the snow flies. On November 20th we cut a large branch of the Erskine Park with blossoms, green berries and ripe fruit upon it.

The plant is by far the strongest growing raspberry we have ever seen. It branches like a tree, and it also has the largest and most roots of any with which we are acquainted.

It was first discovered on the beautiful estate, "Erskine Park," of Mr. George Westinghouse, Lee, Mass. This estate is in the midst of the beautiful Berkshire Hills, with a temperature in winter of 30 or 40 degrees below zero, so that the hardiness of this berry is unquestioned.

Whether it is berries, or fruit trees, shrubs or roses, evergreens, hedge plants, or ornamental shade trees, we are headquarters for a large stock in unlimited assortment. Send for our general catalog—it describes all—it's yours for the asking.

GLEN BROS., Inc., Glenwood Nursery
Established 1866 ROCHESTER, N. Y.

Carters Tested Seeds

Famous for a Century



"They Come Up Smiling"

TRADE MARK

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.

Carters Tested 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

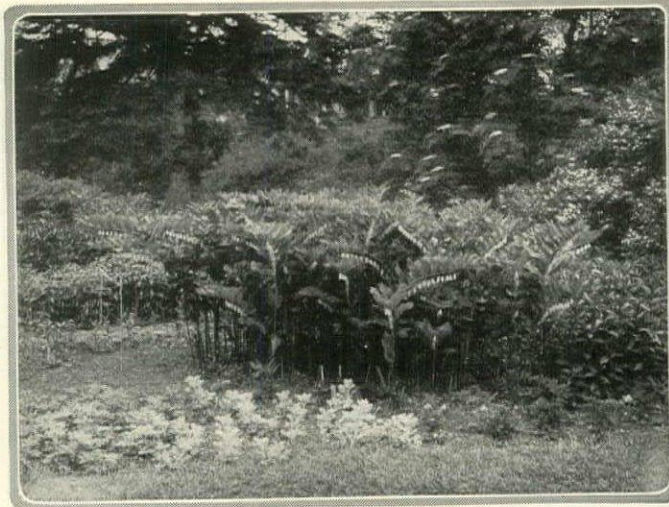
By the Bushel (25 lbs.) \$8.50

CARTERS 1921 CATALOGUE "GARDEN AND LAWN"
MAILED ON REQUEST

Carters Tested Seeds

INC.

Address: 106 Chamber of Commerce Bldg., Dept. A, Boston
Main Office: 25 West 43rd Street, New York
Philadelphia Chicago Toronto
London, England



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

Some Gardens at Bar Harbor

(Continued from page 70)

stepping stones as in the Farrand garden that beckon off into the delights of flowers. When stepping stones are not desired, when the wish is rather for grass walks, the gardener is equally fortunate, because the cool nights and the sea mellowness make turf such as may well be his pride. With incidents such as stone seats or bird baths in order, the granite awaits its use. The beauty of this work is that around and behind and beneath the seats native ferns will thrive, making the fine combination of strength and solidity and lacey delicacy that New England can so well boast. The bird bath of the Farrand garden, sunk in the ground, appears to be of primordial age. Between it and its surroundings there is no quarrel.

In some ways the finest thing about these gardens is their vistas. Note the

invitation in the Murray Young to raise the eyes to the crests mountains that loom above the sea. In other gardens the eyes gaze long alleys where the roses sometimes past them and out to sometimes into the heart of the sometimes to a gleaming pool end. For many people this in with the woods and the sea is pr

The rocks of the northern and eastern shores are high and rugged low them the sea churns and s roars and pounds. Through g catches the blue-green waters of R man's Bay or the Atlantic. No then a stately white sail moves the islands. The tang of salt is air. Romance stirs the pulse and the beholder away to the land of desire, the perfect land of flowe of dreams.

How To Make Livable Rooms of Gr

(Continued from page 32)

nighly accepting these tributes up-lifted to its pale glory. So, too, might the green room be. . . .

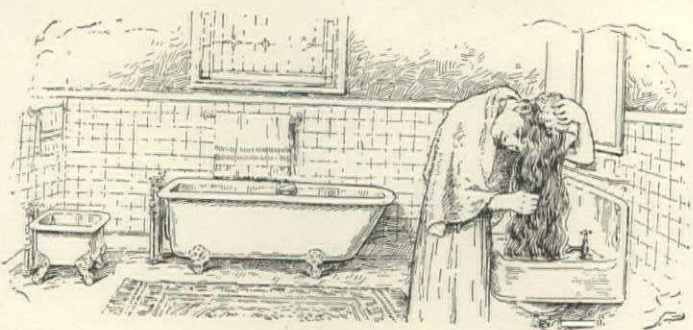
But leading to the accomplishment of any miracle there is a slow path of patient plodding: the honest study and experiment of effects, the wielding of transforming paint brushes, the pricking of the needle as the thread of flaming amber wool slides vividly between its fellows of green; there is the contemplation 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 shy 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 unctuous green. The floor was covered with a thick-piled, moss-green carpet,—not 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 its rarity and briefness, but which deadly spread all over a floor in liant fixed stare. By and by the permitted one to glance painfully rest of the horror: the rich cream nearly bilious in color, at the w the long floor-length curtains of green velours, the fatly over chairs resembling the stream-ba color, texture and form,—rolling, moss-covered. And yet the pr possession kept the well-meaning inhabitant of this greenness from re the thin obviousness of the sche

But the joy that may be gotten the green room brought about o wise! Misty gray walls, which a as they imply, the color of a early morning; gray woodwork slightly deeper tone, and, since th is a dining room, a built-in corn board, from which peep out a lemon yellow china things from b the soft green curtains; at the w green curtains, too, of a pleasant silk; the buffet and drop-leaf t leaf green decorated in a dull n yellow nearly the color of go interior of the drawers of the lined also with this; on the Chinese lacquer tea wagon a pew service, and on the buffet a pewter candlesticks and a bla

(Continued on page 82)



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 Permutit Company
440 Fourth Ave. New York

West Bend

ALUMINUM WARE

Makes
Housework Easier and
Creates More Interest in Cooking

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 brilliancy 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.





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

*Boston
*Chicago
*Lincoln, Neb.
*Jacksonville, Fla.
*St. Paul, Minn.
*Des Moines
*Detroit

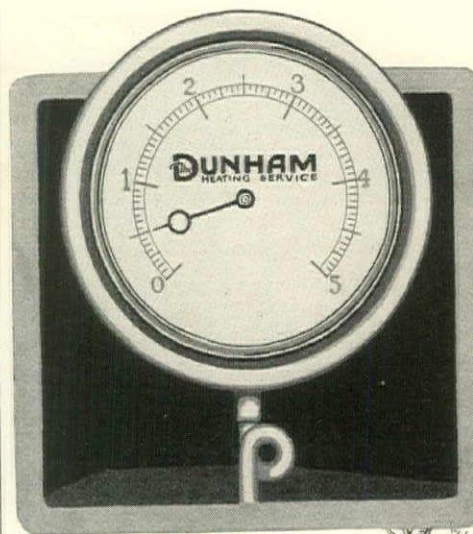
*Toledo
*Indianapolis
*Dayton, Ohio
*St. Louis
*Kansas City, Mo.
*Salt Lake City
*Newark, N. J.

Pittsburgh
*Washington, D. C.
Columbus, O.
Houston, Texas
Portland, Ore.
El Paso, Texas
Havana, Cuba

MOTT SOUTHERN CO.
*Atlanta, Ga.
MOTT CO. of CALIFORNIA
*San Francisco, Cal.
Los Angeles.

MOTT COMPANY, Limited
*Montreal, *Toronto,
Winnipeg, Canada.
MOTT CO. of PENNA.
*Philadelphia, Pa.

*Showrooms equipped with model bathrooms



8 ounces steam pressure will heat your house

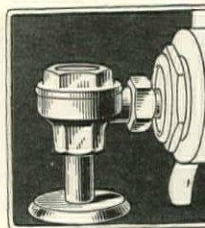
YOU can get more heating comfort per ton of coal, with steam at lower pressure—if you put in a two-pipe Dunham system.

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.

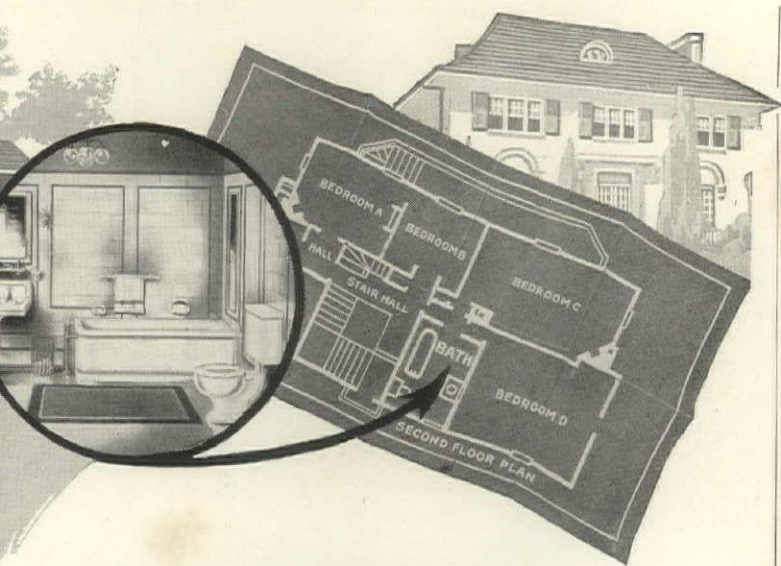


The Dunham Radiator Trap is part of a system which permanently removes the cause of heating trouble. It has been endorsed by architects and builders since 1903.

C. A. DUNHAM CO., Fisher Building, CHICAGO
Factories: Marshalltown, Iowa 52 Branch and Local Sales Offices in United States and Canada
Toronto, Canada

London: 233-A, Regent Street, W. 1.

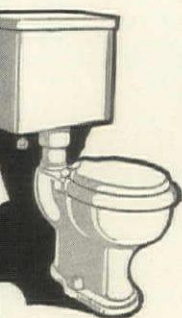
Paris: Etablts. Munzing & Cie., 47 Rue de la Fontaine-au-Roi



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 unequaled 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 send for them, also for our bathroom plan book—"Bathrooms of Character," Edition H.

SIWELCLO

Prices:

White Seat . \$108.35
Mahogany Seat 99.60
F.O.B. Trenton

The Trenton Potteries Company

TRENTON, NEW JERSEY, U. S. A.

BOSTON NEW YORK SAN FRANCISCO

World's Largest Makers of All-Clay Plumbing Fixtures

A large bowl, large surface and action demonstrate the superiority of Tepeco construction. The Merit is our new Syphon Action type and is, we think, the best in its class.

Price . . \$57.50
F.O.B. Trenton

TEPECO
Water Closets
for Every Purse

WELLING

The Welling is a syphon jet, the same as the Si-wel-clo, but does not include its noiseless feature. For many years the Welling has been considered by sanitary experts as the outstanding example of fine syphon-jet construction.

Price . . . \$65.65
F.O.B. Trenton

SAXON

A measuring tape will demonstrate the superiorities of the Saxon over other closets of syphon-action construction. The Tepeco tank fittings mean a freedom from the petty annoyances householders encounter at all too-frequent intervals.

Price . . . \$53.15
F.O.B. Trenton



Togan Model 104

TOGAN GARAGES

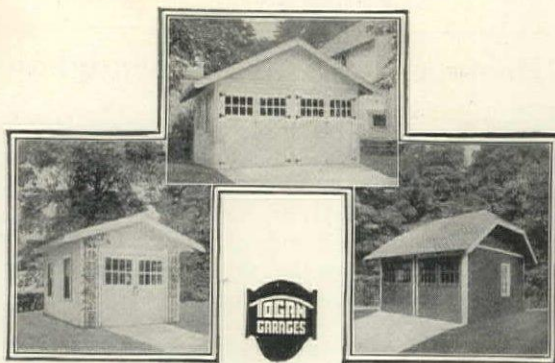
Sold by
Retail Lumber Dealers

- 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 some of the more popular Togan models will be sent you on request.

TOGAN-STILES

1612 Eastern Avenue
GRAND RAPIDS, MICH.





BUILD NOW
And let Sargent Hardware add the final touch of beauty and security to your home.

"Yes, every detail is correct"

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.

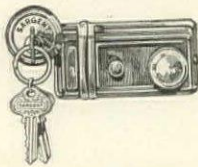
SARGENT & COMPANY

Hardware Manufacturers

31 Water Street

New Haven, Conn.

Protect your home throughout

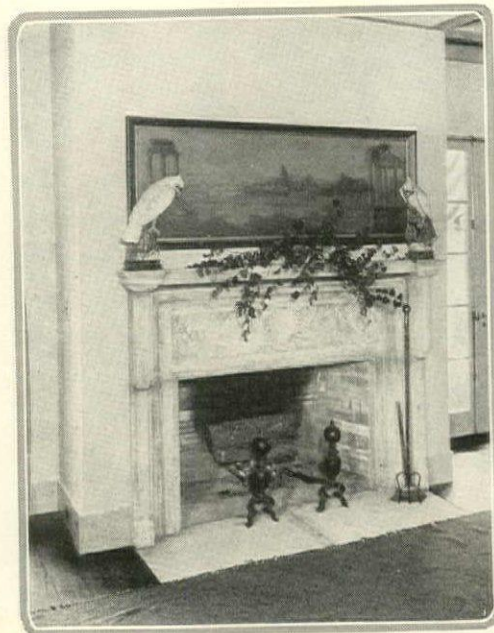


The Sargent push-button stop is a convenient and exclusive feature.

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



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

The Decorative Quality of Pottery Birds

(Continued from page 57)

lence. They may be placed at either end; or one can be used as a focal point from which the other things are arranged symmetrically. Here the background is as important as the object to be placed against it, not only as to color but in size. If the space is small, do not use a tall crane and a low pheasant with a spreading tail against a great wall expanse.

In an old Southern house I saw a mantel that was easily the most interesting spot in the room. Over a black marble fireplace had been hung a rather elaborate gilt mirror. In the center of the shelf was a beautifully carved little statue of Buddha in ivory; on either side had been placed a brilliant green porcelain bird a trifle smaller than the statue; at the ends were high

Venetian decanters used as vases, filled with marigolds. This mantel group to color and arrangement was exact. Another room had a white marble fireplace, gray paneled walls and delicately colored chintz hangings. The mantel in the middle was a large sea-green bowl filled with hydrangeas. At either end was a prim stork, so graceful and of a lovely shade of blue that harmonized with both walls and flowers.

So a graceful pottery bird can come an important element in a room making a delightful spot toward which we look and linger in quiet satisfaction. The appeal is something more than of outward color and form, for it is the power to evoke memories and suggest dreams.

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 do not permit the use of any such fertilizer and my gardener does not use it. I prepare my gardens in late fall with natural stable manure, and that is all the feeding they get.

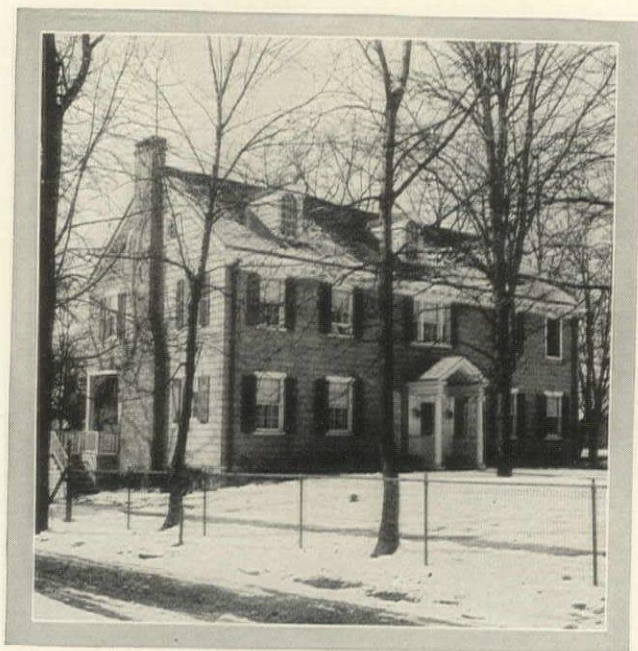
There is nothing new about the plant-

ing and culture of dahlias; I believe they require only the same general that every plant does, if the best results are to be obtained. My gardener John Harding, knew nothing of dahlias when he came to me. From close study and observation he has learned what we know about them today, and he now knows the growth of dahlias as very few gardeners in this country do. Any lover of beautiful flowers, able to define qualities of superiority, can succeed with them provided he or she will give some space to their requirements and, of course, the cultivation, weeding and general care demanded by virtually all of the larger garden flowers.

I plant my dahlias about May. They will begin to bloom about the middle of August, but if August is many blooms are generally not perfect, the later flowers being far superior. I will harbor no plant that does not grow freely, producing straight stems; I immediately discard any variety showing the least sign of weakness. They must have beautiful colorings, must be fine of form and distinct merit, or they do not long remain in my garden.

A dahlia of large size, provided

(Continued on page 78)



Duff G. Maynard, Owner, Flushing, L. I. York and Sawyer, Architects

Heated by a battery of one No. 30 and one No. 18 Kelsey Warm Air Generator

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.

New York Office
103-K
Park Avenue

THE KELSEY
WARM AIR GENERATOR

Boston (9) Office
405-K
P. O. Sq. Bldg.

237 James Street, Syracuse, N. Y.



Dodson Wren House, solid oak, cypress shingles, copper coping, 4 compartments, 28" high, 18" dia. Price \$6.00.

Dodson Bluebird House, solid oak, cypress shingles, copper coping, 4 compartments, 21" high, 18" dia. Price \$6.00.

Dodson Sexangular Flicker House, 16 1/2 inches long, 12 inches wide, 11 inches deep. Price \$6.00.

Dodson Purple Martin House, (cottage style) 28 compartments, 32 x 27 inches. Price \$16.00. Other styles up to \$76.00.

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.

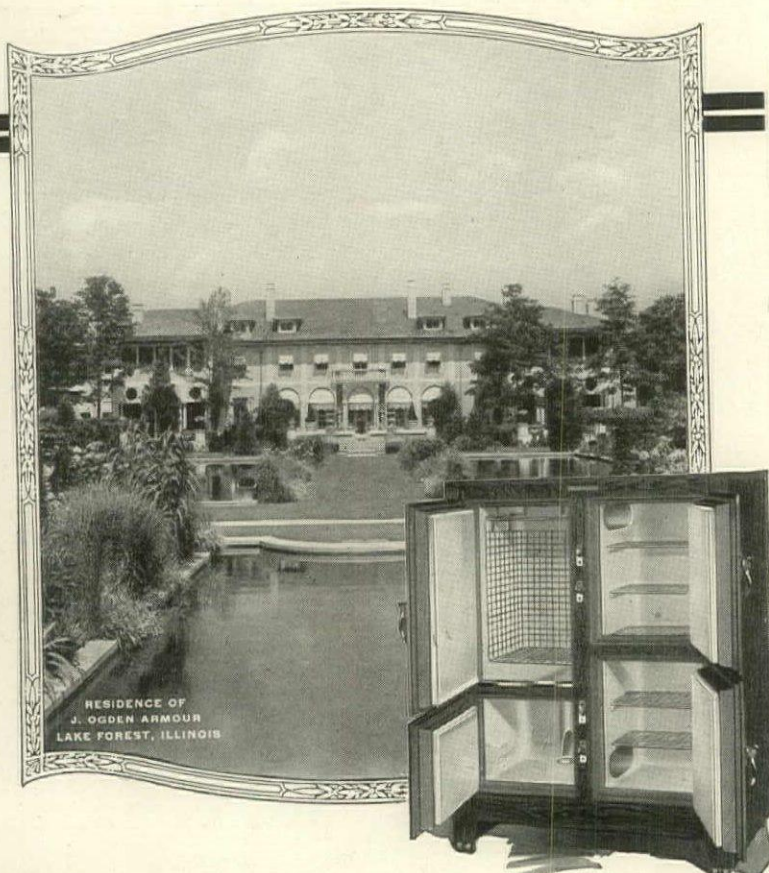
Don't delay. Erect the Dodson Houses now and let them weather and blend in with the general surrounding. They will keep the birds with you all summer to protect your trees, shrubs, flowers, and gardens, and cheer you with their beauty and song.

Order Now Free Bird Book sent on request, illustrating Dodson Line, giving prices; FREE also beautiful colored bird picture worthy of framing.

Joseph H. Dodson President American Audubon Association
731 Harrison Avenue Kankakee, Illinois
Dodson Sparrow Trap guaranteed to rid your community of these quarrelsome pests, price \$8.00.

Dodson Cement Bird Bath. Height 32" Basin 34" diam. Price \$24.50.

16-Birds



RESIDENCE OF
J. OGDEN ARMOUR
LAKE FOREST, ILLINOIS

Some representative homes where Jewett Refrigerators are used:

Arthur Curtiss James
Newport, R. I.
Vincent Astor
Rhinebeck, N. Y.
L. C. Tiffany
Cold Spring Harbor
E. J. Marshall
Pasadena, Calif.
S. Reading Bertron
New York
Guernsey Curran
East Norwich, L. I.
Cornellius Vanderbilt
New York
Beverly Farms, Mass.
Wm. Fahnestock
Katonah, N. Y.
Mrs. W. L. McKee
Bristol, R. I.
Samuel Mather
Cleveland, O.
Mrs. R. H. Townsend
Washington
George Eastman
Rochester, N. Y.
John D. Rockefeller
Pocantico Hills, N. Y.
William R. Coe
Oyster Bay, L. I.
Sir Mortimer B. Davis
Montreal
John D. Rockefeller, Jr.
New York
Sen. W. A. Clark
New York
Joseph Leiter
Washington
Charles M. Schwab
New York
J. Ogden Armour
Lake Forest, Ill.
A. J. Lichtstern
Glencoe, Ill.
Mrs. John Hay
Cleveland, O.
John Borden
Lake Geneva, Wis.
Payne Whitney
Manhasset, L. I.
Wm. V. Kelley
Lake Forest, Ill.

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 no matter how laborious. This infinite attention to detail naturally results in a product of unapproachable excellence.

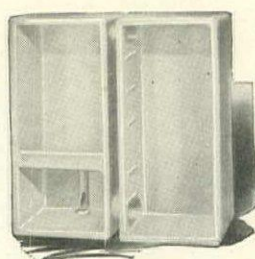
This craftsman attitude has made the Jewett a superlatively worthy product for four generations. As an illustration, the Jewett's solid, seamless, inch thick porcelain lining alone costs more than most complete refrigerators.

Wherever the criterion is simply "the best"—in mansions, clubs, and hospitals—there you will always find the Jewett.

Write for this book

Investigation shows that not one housekeeper, butler or maid in ten knows how to secure the best results from a refrigerator. Our little booklet explains this and many other points of interest and value to every home owner.

THE JEWETT REFRIGERATOR CO.,
Established 1849
123 Chandler Street Buffalo, N. Y.



Jewett Refrigerators are especially efficient when used with electric refrigerating machines because the super-insulation retains an even, low temperature at a minimum cost for current.

REFRIGERATION
and HEALTH

Vital facts
you ought to
know.

JEWETT

SOLID PORCELAIN REFRIGERATORS

Experiences With Dahlias

(Continued from page 76)

stands on a stiff stem with strong neck, makes itself felt in the garden. If you will once walk through my gardens, where ten thousand blooms thrust their insolent beauty in your face, you will agree with me. Beauty is enhanced by size, and mere size without beauty excites emotions. For my part I have always preferred the eagle to the canary, and the elephant to the jackass.

Many thousands of dahlia lovers, many thousands of Garden Club members from all over the country visit my

gardens in autumn. I shall be v. glad indeed to receive anyone who wishes to come to my place to see dahlias and share with me their wonders. Horticultural Societies and Garden Clubs, who came last season, may again have permission to visit me and wander through my gardens. It is only two hours from New York by motor, Post Road through Norwalk and Westport, Conn. My place is a mile of Westport between the Post Road and the Shore Road.

The Old Silver of Erin

(Continued from page 31)

sions objects not to be found carelessly grouped in the ensemble of an antiqueman's shop? You may consider that I offer you an avid occupation, a forlorn hope, but let me whisper a secret to you:

One day—and it was not so very long ago—I chanced to be discoursing on the interesting history of Irish silver to one who knew nothing about it. My friend was blessed with the Inner Eye, however, and some photographs I had shown were visually taken possession of. I had discoursed, too, of the marks on early Irish silver and had made a few rough sketches of some of them. These too were seized upon by the Inner Eye and, so equipped, it chanced that my friend began to rummage around the family silver. Fortunately it was a large family, an old family, a careful family and an unsuspecting family. But I doubt if any of its members combined the diplomacy, the acuteness, the suasion and the Inner Eye that made it possible, when next I dined with my friend, for him to present on his board five pieces of Irish silver—five!—successfully gathered within the patriarchal precincts. An achievement.

And so, dear reader, there is no futility 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 Fate of Old Plate

The troublous times which have attended Ireland's progress have been the cause of the rarity of early silver by the Irish makers. Again and again, in times of stress, much of the old plate has been melted up, again and again much of it has been practically confiscated. In 1686, for instance, two years before the Revolution of '88, the Provost of Trinity College sold a great quantity of the College plate, almost all of its domestic plate having been disposed of the preceding year. No new plate, or at least very little, was acquired by the College until after the Battle of Boyne, 1690. Most of the College plate was acquired, piece by piece, by gift, from what one might term as special students, or non-corporate members of the College, a gift more in the order of an entrance tax, which afterwards it seems practically to have been. Such a piece was the fluted cup, ex dono, presented in 1690 by "Jacobi Caulfield", son of Lord Charlemont.

At one period Trinity College disposed of some four thousand ounces of its plate in order to obtain funds for the purchase of an estate. It is probable that a goodly portion of this consignment found its way to the melting-pot. It may be that in the transaction were included the dozen silver spoons costing

£4 and the two silver salts costing £3-6 which figured in Provost Alcock's expense book for 1605.

Of the early history of the Irish silversmiths very little is known. But we do know that the Goldsmiths Company of Dublin had complete direction of Irish goldsmiths and silversmiths, organization, or guild, corresponding to the famous Worshipful Company of Goldsmiths of London. The original articles of incorporation of the Dublin company, granted in 1638 by Charles I, show it to have been founded by nineteen Dubliners (the list presents Irish and English names) and two foreigners. The company was held in esteem and we are told by Mr. Arthur Butler that in 1649, when the Goldsmiths Company of Dublin consented to take part in a Dublin civic procession, it was considered a great condescension on the part of that guild.

Early Marks

Between the years 1697 and 1700 there appears to have been no standard as high as that which was known to us by the name of British silver made by the Irish silversmiths. Just what were the marks on the earliest pieces of Irish silver it does not seem possible to discover. In the reign of Elizabeth the mark may have been the Irish harp, as in the reign of James II. We can be reasonably certain that up to 1638 letters of the alphabet were used as silver-marks. When Charles II granted charter to the Dublin company the punchon to be used was designed as "The King's Majesty's stamp of the Harp—Crowned now appointed by said Majesty."

The first division of marks which can follow in Irish silver extends from 1638 to 1658. Through this period a series of Roman capital letters, consecutively year by year, maintained the A (1638) is the only letter of the series within a fancy shield.

The second division marks extend through 1658-1677, and consist of English capital letters, while those of the third period, 1678-1697, consist of Old English capital letters of a pronounced type. We are told that between 1684-1693 only the letter I appears on extant pieces. There are gaps in letters which indicate loss of pieces between 1701-1705 and between 1711-1715. However, it is possible that certain letters may have been for several years different of fashion instead of for just one. From 1720 the shield in which the letter appears varies in base. In 1718 the shield in Court Hand appears but does not extend beyond the letter C. There the Old English alphabet returns. Butler says that between 1746-1795 it is difficult to date pieces from their marks definitely. In 1730 the figure of a woman seated was introduced as an additional mark and still another punchon added in 1807—the King's Head. This it will be seen that the Irish

(Continued on page 82)

DIRECTORY of DECORATION & FINE ARTS

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.

Send for catalogue illustrating all types of Pompeian Stone Garden Ornaments.

The Erkins Studios
Established 1900

240 Lexington Ave., at 34th St., New York.



THE MACBETH GALLERY

PAINTINGS by

CHARLES H. DAVIS
W. ELMER SCHOFIELD

ANNUAL EXHIBITION
SOCIETY OF ANIMAL
PAINTERS AND SCULPTORS

MARCH 1st—21st

The current issue of ART NOTES will be mailed on request

WILLIAM MACBETH
INCORPORATED

450 Fifth Avenue

Fortieth Street

New York City

MACBRIDE

OF
"THE HOUSE OF THREE GABLES"
9 EAST 54TH ST., NEW YORK
DECORATIVE INTERIORS



TUSCAN FEAST BENCH
A SPECIAL AT \$145.00


DARNLEY
Inc.



SMOKER'S
STAND—IN
WROUGHT
IRON WITH
GLASS ASH
TRAY—
ANTIQUE
IRON FINISH
—36 in. HIGH
\$15.50.

34 E. 48th St.

NEW YORK

P. JACKSON HIGGS
SPECIALIST
IN
PERIOD FURNITURE

PERIOD FURNITURE

THAT BEARS THIS NAMEPLATE IS FOUND
IN RESIDENCES WHERE CORRECTNESS
SUPERIOR QUALITY & GOOD TASTE ARE EVIDENT

PURE PERIOD DESIGNS IN LIVING ROOM, DINING ROOM
& BED ROOM FURNITURE AT NORMAL PRICES

ANTIQUES
REPRODUCTIONS
OBJECTS OF ART

P. JACKSON HIGGS
Formerly President of The House of Philip David, Inc.
15 EAST 54 STREET
NEW YORK

Ditta Baserga of Italy

Incorporated

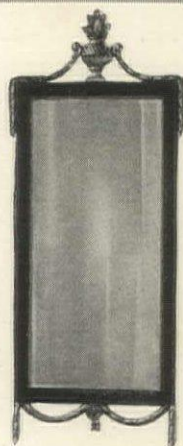
Manufacturers and Importers

Selling Agents for Radillo-Pelitti Co.



French, Italian and English
Furniture, Antiques, Paintings,
Decorations, Objects of Art.

432 Madison Avenue
New York

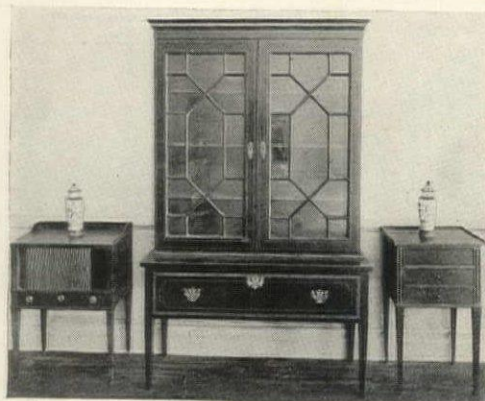


A mahogany mirror with line of
enamel and decorations in dull gilt.
It is 33" long and 17" wide. \$41

Consult the

SHOPPING SERVICE
of House and Garden
19 West 44th Street, New York
who will gladly help you to
secure any article necessary
to your decorative scheme.

ELSIE COBB WILSON



Sheraton China Cabinet—Walnut Table, tambour slide—Walnut Table, three drawers—Pair Blue and White China Vases

INTERIOR DECORATIONS ANTIQUES

33 East 57th Street, New York City
Washington, D. C.—808 Seventeenth Street, N.W.

SCHWARTZ GALLERIES



Mrs. Mary Baker G. Eddy
Size 13 1/2 x 17 1/2 © By S. J. WOOLF

Paintings Engravings Etchings
Any Etchings or Engravings quoted on request

14 EAST 46TH STREET
NEW YORK CITY
OPPOSITE RITZ-CARLTON

Send for
Illustrated
Booklet



ESTABLISHED 1810

NO. 227
20" X 14"NO. 592
30" X 40"

GALLOWAY POTTERY

GIVES ENDURING CHARM

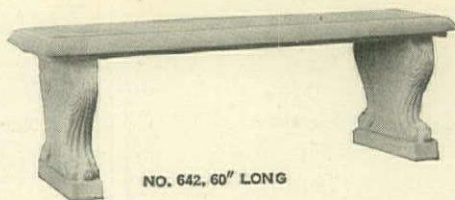
You can enliven your favorite nook with a bird bath that will bring the birds twittering and splashing about and add interest to your garden with attractive pottery.

Galloway Pottery is strong and durable Terra Cotta usually made in Light Stoney 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, Boxes, Ferneries, Sun dials, Gazing globes and Benches.

A portfolio of suggestions for the garden will be mailed upon receipt of 10c in stamps.

GALLOWAY TERRA COTTA CO.
3218 WALNUT ST. PHILADELPHIA.



NO. 642, 60" LONG

For Beauty Plus Economy

Fine simplicity, and a striking note in the beautiful red of its roof are achieved in this Colonial home. Here is living testimony to the unlimited possibilities for artistic treatment with time-defying "CREO-DIPT" Stained Shingles.

The soft gleam of the Dixie White 18-inch "CREO-DIPT" Stained Shingles, used so effectively for wide exposure on the side walls, is heightened by the charming red 16-inch "CREO-DIPT" Stained Shingles on the roof.

Send today for Portfolio of Fifty Homes by Prominent Architects, as well as color samples. Ask about "CREO-DIPT" Thatched Roofs and 24-inch Dixie White Side Walls for the true Colonial White effect. Prices greatly reduced; ask your lumber dealer.

CREO-DIPT COMPANY, Inc.

1012 Oliver Street

North Tonawanda, N. Y.



"CREO-DIPT" Stained Shingles
used on this Home of Bert S. Herkimer, Mount Vernon, N. Y.

Portfolio
of Homes



"CREO-DIPT"
Stained Shingles

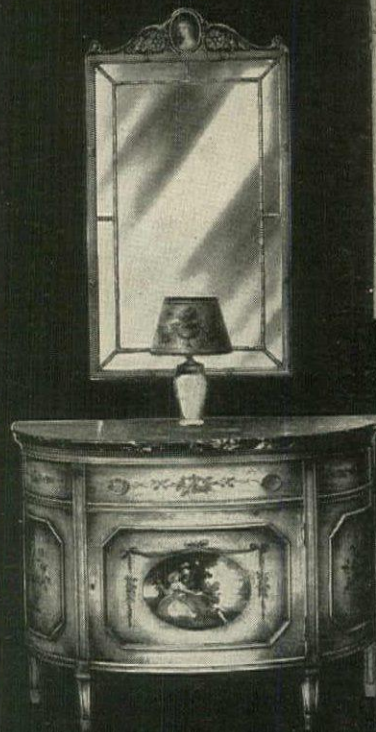


Individualism in Good Furniture

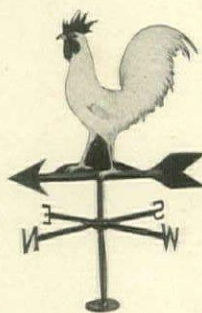
Rich in the chaste beauty, delicacy of design and coloring for which the Brothers Adam were famed, this cabinet would add a touch of grace and charm to any home.

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

At the good furniture shops.



The
Elgin A. Simonds
Company
Manufacturers of Furniture
SYRACUSE NEW YORK



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.

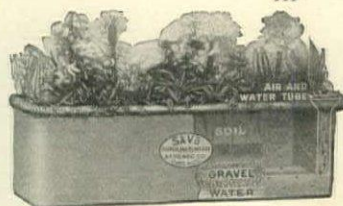
Cock is life size and in natural colors.
Arrow, stand, etc., in green.

Sent carefully packed on receipt of price, \$23.50

NATURE STUDIO

523 N. CHARLES ST.

BALTIMORE, MD.



THE
SAVO Steel
Flower
and
Plant
Box
ALL YEAR ROUND
GARDEN
For Windows, Porches,
Sunparlors

MOVE SAVO BOXES INDOORS OR OUT AND HAVE
BEAUTIFUL FLOWERS THE YEAR ROUND
SELF-WATERING and SUB-IRRIGATING

Perfect air circulation and drainage. Aluminum or Dark Green Enamel finish. Most Efficient, Durable, and Artistic Flower and Plant Box made.

LEAK PROOF AND RUST PROOF
Ask Your Dealer or Write for Free Booklet

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

Pitcairn
BANZAI ENAMEL
Flaw-Proof



"Don't Scratch, Polly"

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.

"The Store Within a Store"—this display stand in your dealer's store will provide you with the highest quality varnish and enamel for every purpose.

Write for Proof Booklet.

PATTON-PITCAIRN DIVISION
 MILWAUKEE, WISCONSIN



Save the surface and
 you save all — *Paint & Varnish*



Proof PRODUCTS
 PATTON - PITCAIRN DIVISION
 INTER-INDUSTRIES



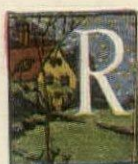
PITTSBURGH PLATE GLASS CO.

PLATE, ART AND WINDOW GLASS • PAINTS • VARNISHES • BRUSHES • INSECTICIDES



© 1921, Simmons Company

One Sleeps So *Much* Better



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

putting *Twin Beds* into rooms shared by two persons. One sleeper does not disturb the other, or communicate colds or other infections.

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.

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

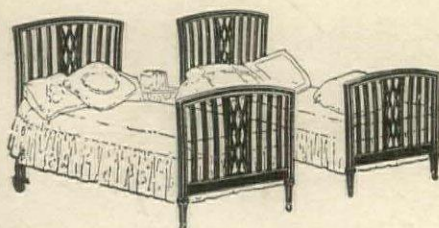
Simmons Beds are *noiseless*, firm and steady—designed and produced by the recognized authority on *beds built for sleep*.

Nearly everyone these days is

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.

* * *

Free Booklets on Sleep!—Write us for "What Leading Medical Journals and Health Magazines Say about Separate Beds and Sound Sleep," and "Yours for a Perfect Night's Rest."



SIMMONS COMPANY

NEW YORK ATLANTA CHICAGO KENOSHA SAN FRANCISCO MONTREAL
(Executive Offices: Kenosha, Wis.)

SIMMONS BEDS

Built for Sleep



Deane Electric and Coal Combination Range No. 140

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*.

Then, there is a complete coal range, so you really have two ranges always ready. Fire-box can be equipped for wood or soft coal.

Deane Ranges are built better than other kinds and are priced accordingly. They are designed for home owners who demand perfection in kitchen equipment.

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

BRAMHALL, DEANE CO.
263-265 West 36th St., New York, N.Y.

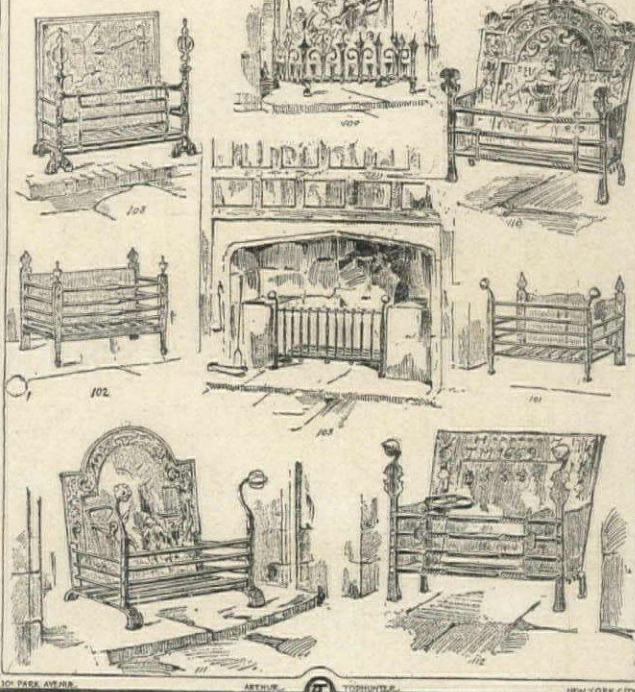
225

Todhunter Mantels

HAND WROUGHT HARDWARE · FIREPLACE EQUIPMENT

Arthur Todhunter
101 Park Avenue, New York

Basket Grates



These grates for coal or wood, are hand forged replicas of interesting old originals

HOLLOW TILE

*The Most Economical Form
of Permanent Construction*

THIS six-room bungalow No. 1175, an ideal home, can be built economically. The air cells of Hollow Tile protect health by insulating against heat, cold and dampness. The burned clay never decays; it resists fire's ravages; it reduces repairs and upkeep expenses. The large units reduce the cost of building.

Complete blue prints, specifications, and bill of materials can be obtained for \$10 from your local building material dealer—or direct if you give your dealer's name.

A folder showing this bungalow in colors, with floor plans, and a book, "Hollow Tile for the Home," will be sent free. Address Dept. 423.

MASTER TILE The trade-mark of the Hollow Building Tile Association and your guarantee of a product made in accordance with Association standards.

Hollow Building Tile Association
Conway Building, Chicago

Put Your Feet On This Radiator Foot Rest

COMFORT

You'll never know how much real comfort you have missed until you install a RAD-A-REST on your steam radiator.

Let the cold winds blow outside; the rain and sleet patter against the window—what do you care, your feet are on a RAD-A-REST and the stimulating heat from the radiator is setting your blood aglow.

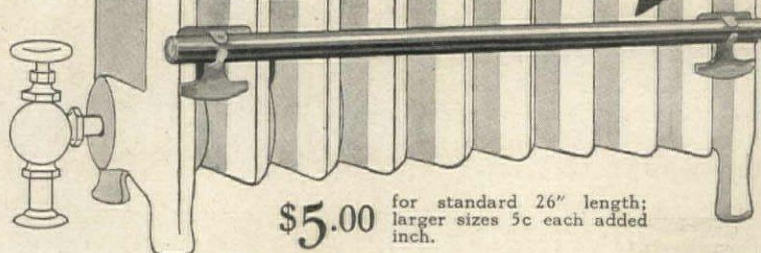
There you sit and enjoy your daily paper or favorite magazine. What a comfort it is to be at home!

The RAD-A-REST is easily attached to any size radiator. Just a few minutes' work and you're ready for a whole winter's comfort of warmth and rest.

—and \$5.00 is all it will cost you. Send us your order today—now is a good time, while you are thinking of it.

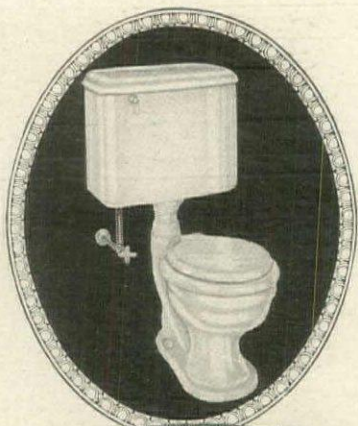
THE BEATON & CADWELL CO.
New Britain, Conn.

RAD-A-REST
THE RADIATOR FOOT REST



\$5.00 for standard 26" length; larger sizes 5c each added inch.

*First in the industry,
foremost since —*



MADDOCK

Foremost in making the bathroom safe for health

JUST as Thomas Maddock fixtures assure the utmost in sanitation for large installations, so does the Madera-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."

Thomas Maddock's Sons Company
Trenton, New Jersey



Thomas Maddock plumbing equipment is also used in the plants of the Federal Rubber Company, Cudahy, Wis.; the Winchester Repeating Arms Company, New Haven, Conn.; the Anheuser-Busch Company, St. Louis, Mo.; and in many other well-known manufacturing plants in all parts of the country.



The home of Fisk Tires, Chicopee Falls, Mass., is equipped with Thomas Maddock fixtures

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 1890, when silver duties were withdrawn. When the tax of 1807 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 puncheon 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 escutcheon on the crowned harp puncheon remained practically the same. There were different forms of the crown from 1700 to 1785, and then from 1785 till 1972 an oval was adopted for the crowned harp, from 1792 till 1800 giving place again to an oblong escutcheon with sharp right-angle corners. Thence onward the shield varied little though sometimes it exhibited rounded and again clipped corners. The same styles were followed for the escutcheons 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 time the word Sterling sometimes also appeared. There were also other silver centers in Ireland, notably those

of Yonghal and of Limerick, but local marks upon these pieces are and I do not know that they have been deciphered. Finally men should be made of the Swiss Protestants refugees from Geneva who emigrated South Ireland and worked as silversmiths near Waterford 1783-1784. The settlement was called New Geneva; they were granted certain powers, the Crown and an assay office, but cord having arisen, they fled the country and I know of no record of plate bearing their marks, which I believe, confined to watches of fabrication.

The earliest pieces of Irish silver appear to have been communion plate—chalices, flagons, bowls, salt-cellars, covered cups, maces and the like. There are the great massive tankards, pieces of great beauty, such as the one bearing the date 1680, now owned by the Merchant Taylors Company, London, to which guild it came at the dissolution of the Public Merchant Taylors Guild. Later domestic silver was produced in quantities. Among these pieces the Irish silver plate, 18th Century circular standers, the wooden bowls in which potatoes were brought to the table, are eagerly sought by the collector. Those marked with the initials C. T. were made by Carden Terrys, father and son, famous for pieces of this sort, and fortunately the collector who chances upon a piece from their hands.

Fortunately for the love of old things we have in our American public museums some exceptionally fine pieces which can there be studied. The silver in the Metropolitan Museum of Art presents an unusually fine group of examples and the writer is indebted to this Museum for the courtesy of accompanying reproductions.

How to Make Livable Rooms of Green

(Continued from page 72)

of yellow freesias, on the table a pewter bowl of fruit. Mealtime in such a room would be far from a horror, but rather as refreshing as a woods in spring.

Unless one has a certain sort of a house, or a certain sort of taste, one should refrain from the green living room, for unintentionally it is apt to grow into the repp, velours and tapestry dullard that breeds a morbid mind. But granting a sunny out-of-town living room, or a city room with a view of a river, or up near the clouds, one may go as far as one likes in this new treatment of green.

Quite the talk of the town was this unusually pretty living room of a low-eaved Dutch Colonial house. The walls and woodwork were a tone no darker than ivory, but grayer and softer; the floor was painted a dark leaf green, with plenty of gray in the mixing so that it would avoid either an olive or bottle green effect; and on this leaf green floor there was an oval braided rag rug in gray, green and black, with a faint picking of ivory. So far, nothing unspringlike in the setting, you see.

Then in this room the furniture was green, but with what a difference! The tallboy was in two tones, with two other pieces matching it in this particular, the table and settee, but the tallboy was the only piece that was decorated with flowers; these were done in rose, yellow and green, with baskets of dull gold and gray, and the drop handles on the drawers were of silver, matching the wall sconces holding their three orange candles. The green of the furniture was as nearly as possible the color of a lilac

leaf, and every one knows what a beautiful green that is, and how the and the back sides are slightly different tones, which had been duplicated in two tones of this lovely green furniture.

At the windows and at the doors there were hung curtains of a grounded cretonne, with flowers of orange and yellow with black lines; the glass curtains were of a delicate set-colored silk gauze. One chair wing, was upholstered in a soft-finish linen canvas embroidered in wood-grain; other upholstered one was done in linen with appliqued bands of the cretonne; the legs of both chairs were painted the lighter tone of green on the painted furniture; the painted stool has a cushion of velvet in a burnt tone; the cushions on the settee were respectively jade green, rose and black; the cushions on the linen chair was of black with edge of yellow and a flower of The lamp, with its gray base, shade of dull yellow with Chinese brocade panels; the books on the had dull rose leather bindings of gold; the bonbon box was peacock and the flower bowl was of luster.

How long, I wonder, has green been considered a fitting accompanying ponderous furniture, to scroll sofas and Empire chairs, to heavy overstuffs and the company room now one always chooses a slender graceful chair for the covering of a table of dainty proportions to its color, a tallboy of elegant lines

(Continued on page 84)

Remember the importance of the plumber in protecting the family's health



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.

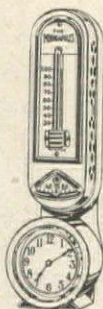
Has maintained even temperatures and saved fuel in thousands of homes for 36 years—lasts a lifetime.

Write for booklet giving complete information.

Minneapolis Heat Regulator Company

Main Office: 2790 Fourth Avenue So., Minneapolis, Minn.

SERVICE BRANCHES IN ALL PRINCIPAL CITIES.



ROOKWOOD FAIENCE

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

THE ROOKWOOD POTTERY COMPANY

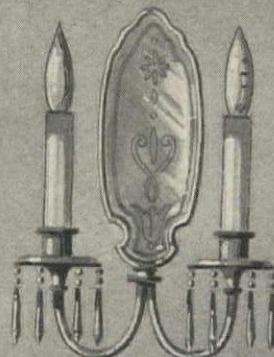
Rookwood Place

CINCINNATI, OHIO



CASSIDY

STANDS FOR THE FINEST IN
LIGHTING FIXTURES



A REPRODUCTION OF AN
OLD GEORGIAN CANDLE
SCONCE SILVER WITH
EBONY LINES. PRICE \$47.00.

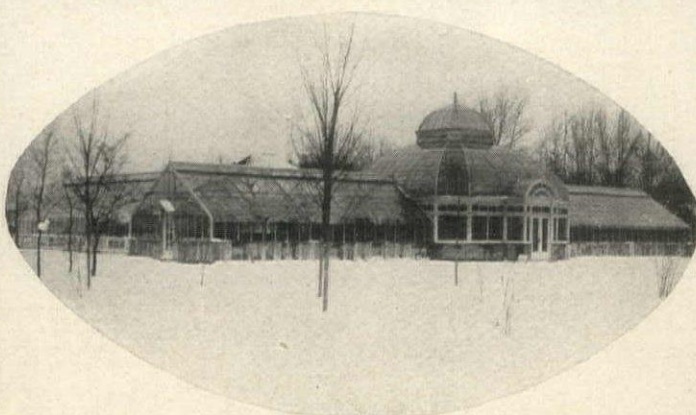
THE comfort and attractiveness of your home depends upon its correct illumination. A Cassidy fixture adds distinction to an uninteresting room.

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

New York City



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 violets."
—Helen Hunt Jackson.

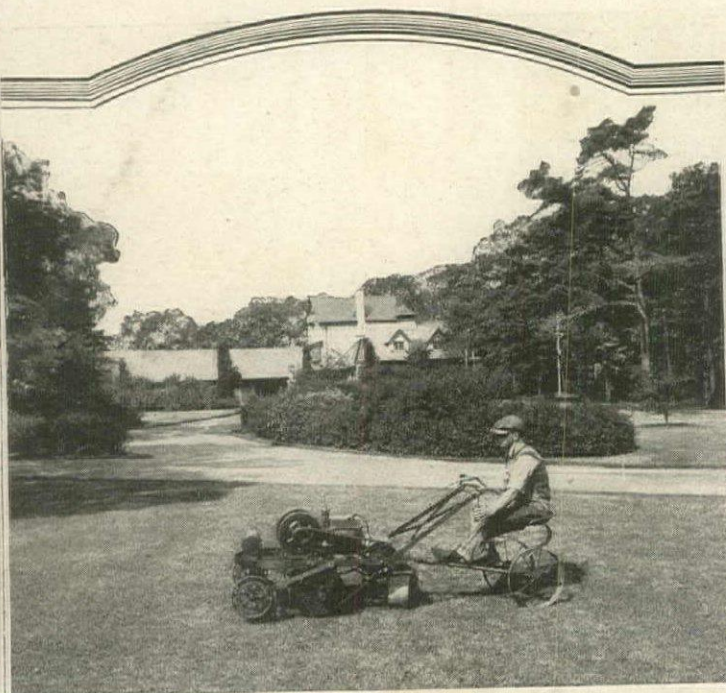
With a greenhouse, though it be March out-doors, it may be June within; it may be any month you like, so far as your flowers are concerned. A good greenhouse gives the seasons into your own hands, to do with as you will.

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.



W. H. Lutton Company, Inc. 512 Fifth Ave., New York



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 sod well rolled is immediately solved.

Best of all, the Ideal is highly perfected and has demonstrated its usefulness by actual service in the hands of thousands of users.

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; Lehigh University, Bethlehem, Pa.; H. H. Timken, Canton, Ohio; Bausch & Lomb Optical Co., Rochester; Geo. W. Perkins, Riverdale, N. Y.; C. H. Crumley, Denver, Colo.

With riding trailer the Ideal provides the most practical and economical riding power mower possible to procure. Furnished either with or without riding trailer.

Special putting green mowers can be provided for work on golf courses. Any of our dealers will gladly demonstrate the Ideal for you. Special illustrated catalog upon request.

IDEAL POWER LAWN MOWER COMPANY

R. E. OLDS, Chairman

416 Kalamazoo St.		Lansing, Mich.
CHICAGO, ILL. 533 S. Dearborn St.	NEW ORLEANS, LA. 130 Camp St.	
BOSTON, MASS. 270 West St.	PITTSBURGH, PA. 103 West Parkway	
PHILADELPHIA, Pa. 52 N. Market St.	CLEVELAND, OHIO 1500 Lakeside Ave.	
LOS ANGELES, CAL. 222 N. Los Angeles St.	DENVER, COL. 18th & Waz Sts.	
PORTLAND, ORE. 55 N. Front St.	ST. LOUIS, MO. 412-414 N. 4th St.	
	TORONTO, ONT. 17 Temperance St.	

Solomon B. Griffith's Estate,
Springfield, Mass.



IDEAL POWER LAWN MOWER



Does the work of

five hand mowers

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; one thinks of green in its 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, blue, black, gold, and silver: one weaves in the story of green the joy of living, the power of new growth.

Quite in line with this principle is this bedroom furnished in green: the walls are oyster white, the floor mauve, four or five tones darker than the furniture, which is also of this color but heavily trimmed with black and jade green; the interiors of the chest drawers are bright jade color; the mirror gold framed. The hook rug is of green, black and lavender, the bedspread of dull jade green taffeta quilted in mauve, the cretonne window drapes are predominantly green, mauve and rose.

Rose is another delightful color with which to combine green, but one must

avoid the pink and green idea of childhood; the rose should be surrounded by areas of white, cream, or palest blue; there must be some contrast of blue and a few notes of yellow do but enhance the scheme. Silver and pale blue blend better with green than do brass, or copper.

If green is handled lightly and delicately, there is no room in the world in which it may not be used and desired. Olive green woodwork and tawny yellow curtains make a charming kitchen; green furniture and sprigged chintz delight the kiddies in the nursery; in the dining room it is refreshing, in the living room it is full, in the hall it is calm and space, in the bedroom it is full of peace. The only thing one must do, however, to obtain these results is to approach color from the proper angle: it means to surround it with a neutral pale tone, to combine it with the colors and sober masses of color, and invariably to select for its introduction delicacy of texture and softness of line.

Rejuvenating A Grapevine

A 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 its powers of recuperation border on the wonderful. What tree, for example, if cut off short to the ground, will send up a new tree as fine as the old, and as heavy a bearer of fruit? Yet the grapevine will do this.

Often, after a vine has borne 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 bearings. 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 life will not have an opportunity to die in a weakened condition.

During the autumn or early spring clear the ground thoroughly in a circle about the root of the vine. Dig away a little of the top soil; the grape roots will not be injured by this to hurt them. Then apply a heavy dressing over the entire space. This dressing should consist of a light layer of good loam to replace the removed; then pack down rather firmly 1' of rich, strawy manure. When this is in place, a further light dressing of bone-meal or of nitrate of soda supply further valuable fertilizer.

Having thus taken care of the vine trim the vine back severely, removing all dead wood, and at least half the bearing canes, cutting back the remaining canes at about two buds.

This rejuvenation of a grapevine is no experiment. It is an easy, pleasant task; and its results are certain and gratifying.

A. RUTLEDGE

Roses for Arbor and Trellis

THE character of the foliage and hardiness should be important considerations in choosing types of climbing roses for covering arbors, trellises, pergolas, pillars and similar structures. Roses used in this way are usually in conspicuous places and flowers can be depended on for ornamental effects for a relatively short period only during the year. Climbing roses with a poor leaf development or those especially liable to attack by insects and diseases, therefore, make but a poor appearance.

The climbing roses are divided roughly into two divisions. The pillar roses are those not growing more than 6 or 8 feet high. The more vigorously growing roses of the group are the climbers or ramblers.

Of the trellis and arbor roses the members of the Wichuraiana or Memorial group are among those most resistant to disease and insect attack. They have foliage pleasing to the eye throughout practically all seasons. The blossoms are white and single. The

Multiflora climbers flower in early spring. Many of them, however, especially so-called ramblers, are subject to dew and insect attacks. They are reasonably hardy in the North. The Laevigata group, represented by the Cherokee, on the other hand, requires a warm climate. This is true also of the climbing Noisette roses represented by the Marechal Niel and Lamarque. These roses are suitable for culture only in the warmer sections where the winter temperature falls below 10° F. above zero.

Climbing roses require large quantities of plant food. The body of soil available should be equal to 3 feet square and 30 inches deep. This hole of this volume should be filled with good garden soil mixed with well-rotted manure. Climbers, like other roses, require good drainage. Roses will thrive where water is about their roots. Planting should be done carefully, as in the case of roses for landscape purposes.

—U. S. Dept. of Agriculture



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.

BECKERT'S SEED STORE

105 Federal St., Pittsburgh, Pa.

Complete Service and Quality since 1877.

The Home Beautiful

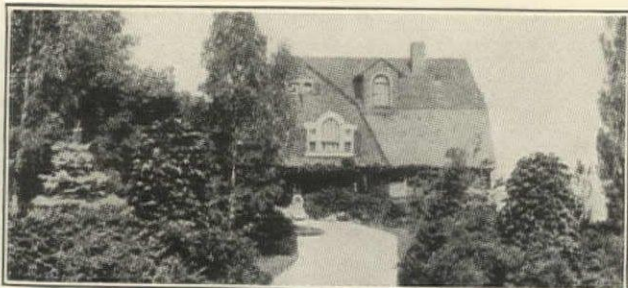
BEAUTY outside and inside, and a charmed atmosphere that comes only with the fragrance of flowers. Is your home like this?

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.

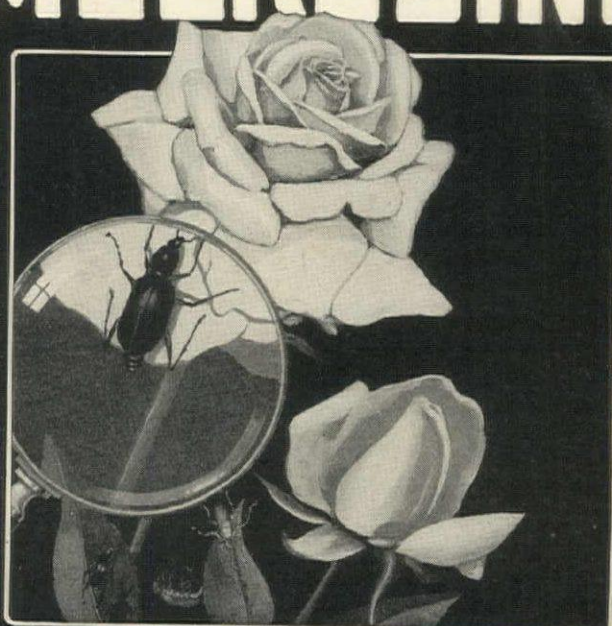
Cottage and lawn, mansion and estate, whatever yours may be—our Architects invite your correspondence. They will be guided by your individual taste in their suggestions and plans. Write them today—also ask for our illustrated catalog. We will send it by return mail.

B. F. Barr & Company
KEYSTONE NURSERIES

100 Barr Building, Lancaster, Pa.



MELROSINE



IT KILLS ROSE BUGS

Protect Your Roses by Killing the Bugs

with

MELROSINE

Sold by Seedsmen and Nurserymen

Manufactured by

THE GARDEN CHEMICAL CO. 146th St. and Park Ave.
New York City

Cut Your Grass With Gas MOTOR **4** LAWN 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 $2\frac{1}{2}$ to $3\frac{1}{2}$ 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.

The Jacobsen Manufacturing Co.

15th & Clark Sts.

Racine, Wis.





SIZE
GREATLY
REDUCED

Send
Post
Card
for
catalogue
to-day

QUEEN ELIZABETH

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

Bobbink & Atkins
WORLD'S CHOICEST GREENHOUSE PRODUCTS
RUTHERFORD N.J.
NURSERY AND GROWN IN AMERICA
TEL. RUTHERFORD 700

ROSES
EVERGREENS
RHODODENDRONS
TREES AND SHRUBS
OLD-FASHION FLOWERS
FRUIT TREES AND BUSHES
SPRING - FLOWERING BULBS

LILACS and ROCK GARDEN PLANTS.—
Ask for our special lists. You will be interested
in the large collections we have of both of these.

Visit Nursery—Ask for Catalog

Nurserymen and Florists
RUTHERFORD NEW JERSEY



Burpee's Sweet Peas

THE first waved Sweet Pea in existence was introduced to America by Burpee. The House of Burpee is famous the world over as American Headquarters for Sweet Peas.

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.

Orchid—one of the best lavenders.

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.

W. ATLEE BURPEE CO.
SEED GROWERS Philadelphia

Kunderd's New Ruffled Gladioli

Probably every true garden-er 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.

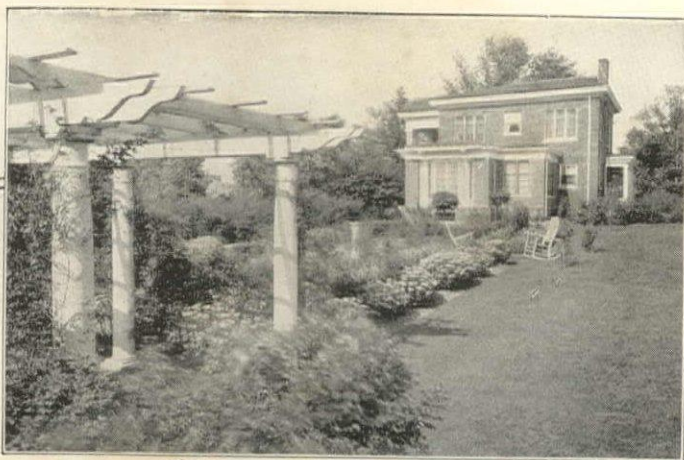
Kunderd's 1921 Catalog

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.





A Wagner Garden in Kentucky

Wagner Plans Beautiful Gardens

WAGNER Nurseries make it possible for you to have exactly the kind of a garden you wish—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.

No matter whether you have only a small lot, or an extensive estate, you can utilize Wagner Plans and Wagner Flowers to the best advantage.

Send today for our new catalog 213.

WAGNER PARK NURSERIES

Box 13
Nurserymen

Landscape Gardeners

Sidney, Ohio

Florists

THE WONDERFUL NEW DAHLIA "Patrick O'Mara"



Dahlia "Patrick O'Mara" Greatly Reduced in Size

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

Received Silver Medal, Society of American Florists, 1920; Gold Medal, American Dahlia Society, for best new variety, 1920; Medal, Toronto Horticultural Society, 1920. American Dahlia Society Certificate of Merit 1920.

Highest score at the Trial Grounds of the American Dahlia Society, 1920, at the Connecticut Agricultural College, under ordinary field culture, which is the real test and shows what may be expected in any ordinary garden.

as perfect flowers should be. The petals are firm and in every way it is a perfect flower. It is a splendid shipping and a long keeping Dahlia when the flowers are cut. None better for commercial use.

Prof. Geo. W. Fraser, Connecticut Agricultural College, in charge of the Dahlia Trial Grounds, says: "Its growing, keeping and shipping qualities are excellent. Growers will find its habit, color, etc., something that has been greatly needed."

The flowers are 8 inches or more in diameter borne on long, strong, erect stems, firmly set at right angles close to the stems. This makes these superbly beautiful flowers invaluable for decorative purposes when cut, or for age and display in the garden. The color is an unusually soft and pleasing shade of orange-buff, slightly tinged with Neuron rose. A rare Autumn shade that will be in great demand. The flowers are full to the center

Orders booked now and plants shipped next Spring in the rotation in which orders are received. Price, \$10.00 per plant, \$100.00 per doz. Tubers will be sent on orders from far distant points.

Illustration in natural size and color upon request.

Safe delivery guaranteed. Cash to accompany order.

Richard Vincent Jr. & Sons Company
White Marsh, Maryland

More than forty thousand persons, in one day, from all over the United States, visited our vast Dahlia fields last autumn.

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.

Variety	Size	Price Ea.
Norway Maple.....	2 1/2 to 3 in. dia.	\$7.00
Oriental Plane.....	2 1/2 to 3 in. dia.	5.00
Carolina Poplar.....	10 to 12 ft.	1.00
Lombardy Poplar.....	14 to 16 ft.	2.50
American Arbor Vitae.....	8 to 10 ft.	8.00
Blue Virginia Cedar.....	8 to 10 ft.	8.00
Canadian Hemlock.....	6 to 7 ft.	6.00
Plume-like Retinospora.....	7 to 8 ft.	7.00
Koster's Blue Spruce.....	7 to 8 ft.	14.00

Order direct from this advertisement. Every tree is guaranteed to be a healthy and well-shaped specimen.

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 years' experience.



Oriental Plane has a beautifully mottled trunk and attractive foliage.



Harrison's Nurseries
J.G. HARRISON & SONS PROPRIETORS

Box 51

BERLIN, MARYLAND

"Largest Growers of Fruit Trees in the World"

Flowering Shrubs and Plants For Spring Beauty

Philadelphus. New large flowering varieties, including Norma, Banniere, Albatre, Romeo; also the dwarfs, Gerbe d'Neige and Boule d'Argent.

French Lilacs. None but the best single and double varieties are in our collection—the unworthy sorts having been eliminated after testing in our trial grounds.

Deutzias. Dwarf varieties, exceedingly valuable where graceful shrubs are needed in foundation plantings. In addition, we have the magnificent *Deutzia crenata magnifica*, one of the finest white flowering shrubs in existence.

Cotoneaster Franchetii. A new variety with rose-colored flowers and brilliant orange fruits. There are many other varieties which are exceedingly valuable.

Magnolias. Nearly a score of varieties are offered in sizes varying from 3 to 5 feet, and at prices that will be entirely satisfactory.

An exceptionally choice collection of flowering Shrubs, Evergreens, Boxwoods, Perennials, including the famous Wyomissing collection of Peonies and Irises will be found accurately listed and described in the seventh edition of

Farr's Hardy Plant Specialties

a real handbook and gardener's companion, too expensive to 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.

BERTRAND H. FARR
WYOMISSING NURSERIES CO.
106 Garfield Ave., Wyomissing, Pa.





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. Planet Jr. Implements make the work easy. They break the soil thoroughly, killing all weeds, and in so short a time, with so little labor that a few minutes a day will keep the ground in perfect condition.

Write for the free illustrated catalog describing all Planet Jr. farm and garden implements.

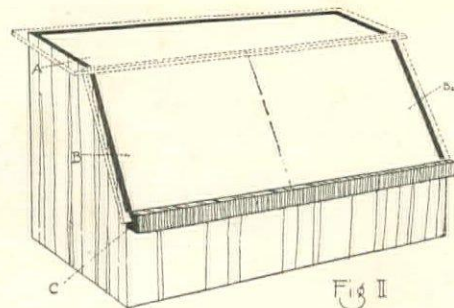
No. 17 Planet Jr. Single Wheel Hoe does all needful forms of hoeing and cultivating. May be used by man, woman or child.

S. L. Allen & Co.
Incorporated
Box 1110K
Philadelphia

No. 17



Planet Jr.



The glass front and top of the box admit the maximum of sun warmth, and retain it

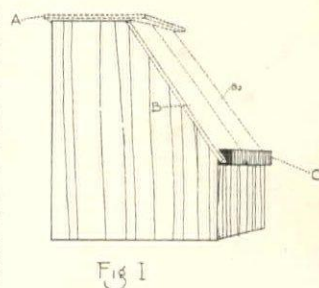
A WINDOW FORCING-BOX

"EARLY" is a word to conjure with in the vocabulary of the garden enthusiast,—early tomatoes, early corn, and that dishful of early peas triumphantly served at least twenty-four hours ahead of the man across the street. But to realize these hopes in the case of those vegetables which are "set out" one must do some very early planting, even the middle of February being none too soon, unless one enjoys the prospect of paying fifty, sixty, or seventy-five cents a dozen in May for greenhouse products.

Another condition which must be met if really good results are to be obtained is that the growth of the young plants be as 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 by Washington's Birthday, or even 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.

How It Is Made

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. Care must be taken, however, to allow plenty of room for the growth of the plants. Fig. I shows the solid end with reinforcing 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 lines and it will be clear that the greatest possible amount of space is obtained while admitting plenty of sunlight 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



A narrow recessed molding prevents the front panes of glass from slipping

covered. This overhang facilitates handling and also guards against draughts during the periods of ventilation.

For the best results the forcing box should be placed in a south or southeast window and high enough to permit the sunlight to fall directly on the pots. The temperature of the room may be quite low, for it is to be found that even on hazy days the heat in the box will be several degrees higher than that outside while the sunlight converts it into a veritable hot bed. The young plants must have plenty of fresh air from out-of-doors and there is hardly a day, except in case of a bitter cold storm, when the window may not be safely opened a little and the protecting glasses the box lifted by means of small wooden wedges in as many directions as the varying conditions demand. The trace of mould on the earth or the damping off of even one seedling is an S-O-S call for more air and should be heeded at once.

Planting and Watering

Place an inch or two of broken earthenware, small stones, or cinders in the bottom of 5" pots, fill with any good not over-rich loam mixed with about one-third coarse sand if possible, water well and soak thoroughly. Scatter the seed thinly over the surface, cover with the required depth of earth which should be dry enough to spread evenly, press down and place the pot in a saucer, shading the surface from direct sunlight until the seeds have sprouted. Keep the soil moist but never wet, filling the saucer with as much water as will be readily absorbed. This method avoids the caking of the earth, the danger of water standing about the stems of the seedlings, and also does much to keep the air moist.

Transplanting should be done as soon as the second, third, or even fourth leaves appear, according to the rapidity of the sturdiness of the growth, about half the tap-root being pinched off to induce formation of good bushy roots and heavy stems. Eggplants, peppers, etc., should be set in the fresh soil about as deep as they stood before, but not to the toes or anything else that forms roots along the stem should be put deep enough to leave only one pair of leaves above the ground.

MARY N. LEMMON



Little Tree Farms

INTRODUCTORY

Little Tree Offer

6 CHOICE EVERGREENS

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.

Price remittance with order includes packing and delivery to Express or Post Office, Framingham, Mass. Average shipping weight 25 lbs.

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

Send for "Book of
Little Tree Farms"

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.



Little Tree Farms
AMERICAN FORESTRY
BOSTON COMPANY U. S. A.
DEPT K-3



Hicks Nurseries Westbury, L.I., New York



HERE, in these great nurseries (of which this aeroplane picture shows only a part) are *Hicks Time-Saving Trees*, 15 to 25 years old, which you may select personally.

New and Rare Trees are here also; add them to your collection, and study their beauties from day to day.

We guarantee all trees and plants from our nurseries to grow satisfactorily or replace free. Hicks trees are root-pruned, dug with wide roots, carefully packed.

"Old Friends and New," a useful booklet for the owner of a small home or large estate, will be sent on request. Address Hicks Nurseries, Box H, Westbury, L. I., New York.

NOW is the TIME to PLAN!

NOW, when surroundings are stripped of foliage—bare, snow-covered, cold—you should pick out the places where, next year, your home grounds could be improved with a spot of happy warm color, or cool rich green, here and there.

Let us help you. Our famous stock is cultivated under rigorous northern climatic conditions—ready to deliver its full beauties to you from the start.

Send for our free book
"Beautiful Home Surroundings"

WYMAN'S
Framingham Nurseries
FRAMINGHAM, MASSACHUSETTS

For a Garden of Gladioli

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, 1¼ to 1½
inches in diameter, prepaid to
600 miles from Chicago or New
York.

E1—20 best kinds, each different..\$1.00
E2—3 sets of E1 (60 bulbs)..... 2.50
E3—125 bulbs, 30 kinds..... 5.00
E4—Homewood mixture, 50 medium
bulbs, but all bloomers, not
less than 5 colors..... 1.00

If you live more than 600 miles from
Chicago or New York, ADD 10 CENTS
FOR EACH DOLLAR'S worth ordered.

VAUGHAN'S SEED STORE
10-12 W. Randolph St., Chicago
41-43 Barclay St., New York

The Cover of our 1921 Catalogue

Illustrated below

reproduces in four colors a
field of gladioli on our Michi-
gan farm.

50 Colored Plates of Flowers

besides articles by national
authorities on gardening, are
contained in this home garden
handbook.

Sent with every order, or a
post-card brings it to
your door, free.





Orinoka

GUARANTEED SUNFAST DRAPERIES & UPHOLSTERIES

YOU PROBABLY HAVE BEEN TOLD THAT no draperies are absolutely sunfast and tubfast. Perhaps you have purchased so-called "Sunfast" draperies and found they soon faded on exposure to the sunlight or in washing.

That is why we say not to ask merely for "Sunfast" draperies, but for Orinoka *Guaranteed* Sunfast Draperies. 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 sheerest casement cloths to heavy velours. Their lasting colors and wear make them most economical.

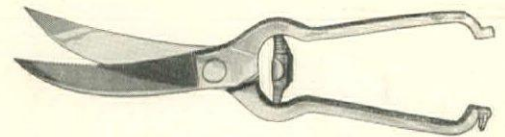
You will find Orinoka *Guaranteed* Sunfast Draperies at all of the better stores.



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)

ment and were used at first only as a means of helping the diners from the central dish, it was necessary for the diners to wear gloves to shield them from the rigors of hot foods. Therefore, with such methods it was necessary to recover in sanitary fashion and to this end servitors would meet each diner with a bowl of water and a towel. Thus has the finger bowl descended unto us.

For some time after the knife and fork were used generally, each person would carry his own beautiful set in a handsome case at his belt or girdle. During the 18th Century when the fork was commonly used it was with the knife superbly fashioned of jewels and metal work. For the most part forks were two pronged, and not until Louis XV of France did the four-tine fork come into being.

So from the hunting knife and the crotched wooden stick was born our own diversified cutlery. Not only in steel of fine temper and hardness, 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 today is making some of the best cutlery and bids fair to outmake and outsell the world in quantity and quality.

Kitchen Cutlery

The subject of kitchen cutlery, the



The knife sharpener is an essential

one which this article dealing with, does not interest itself in silver and all the cutlery so beautifully made for table use. The same general principle applies, but there is too much space here to go into the tail of pattern, brands and general details of table cutlery.

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

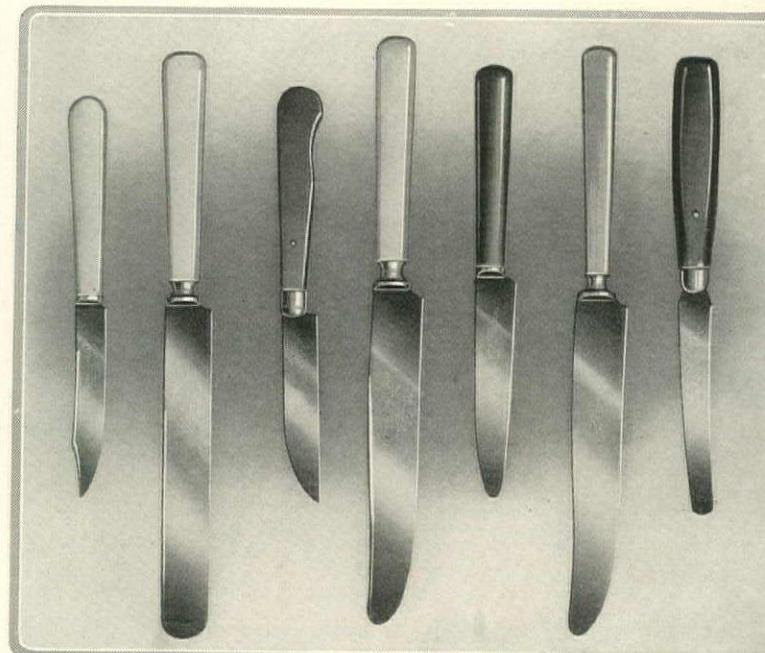
The essential parts of the process of cutlery making are: (1) forging; (2) drawing and tempering; (3) grinding; (4) polishing; assembling, honing and finishing touches; and they are subdivided into many divisions, making nearly a hundred in some instances and more in others.

The last division is the one which the "cutler" does today. In the 18th Century the cutler did the whole work of making a knife, but today the grinder polishes and the grinder grinds etc. The hundreds of processes to be in the course of the manufacture of a piece of cutlery are in the hands of nearly as many workmen.


Of course, the value of modern cutlery is in the fineness of manufacture, the quality of steel that is used, and the perfection of its varying parts in their assembling.

Knives are meant to cut. Knives, therefore, must be so made that they will keep their cutting edge so proportioned as to fit the thing to be cut; so limber or so stiff as to be comfortably wielded; so assembled

(Continued on page 92)



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.




C-41—The solid black background and the rich colors of the decoration make this a distinctive tea set. 21 pieces, price \$25.00

JUST one shop on Fifth Avenue! Yet the name of Ovington's is as well-known to Seattle as it is to Dallas—the shop is as famous with the discriminating shoppers of Park Avenue, St. Paul, as it is with those of Park Avenue, New York.

Catalog C sent upon request


OVINGTON'S
"The Gift Shop of Fifth Avenue"
314 Fifth Avenue
Near 32nd Street



La Mode
REGISTERED
TRADE MARK
MAIDS UNIFORMS

are always correct.
They set a standard for quality.
Complete assortments at your dealer or write Dept. H-G for service booklet.

HAYS AND GREEN
INCORPORATED
352 FOURTH AVE NEW YORK



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.
3. **A Glorious Sun-Kissed Golden Yellow Tulip-Poppy,** held upright on sturdy stems 14 inches long. Wonderful for cutting—just like a tulip. Lasts a long time in water. Pkt. 15c.
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.

Schling's Seeds



24 West 59th St. New York City

Adding to the Charm of your Garden

Terra Cotta Art Goods

A COMPLETE line of all kinds of animals, such as Deer, Dogs, Foxes, Elephants, Monkeys, Snails, Rabbits, Wolves, etc., a great variety of birds, of life size, dwarfs of various types and sizes, groups, such as "Red Ridinghood with Wolf," "Hansel and Gretel"—Mushrooms, etc.

- all beautifully finished
- in natural colors
- absolutely color and weather-proof
- wonderful pieces of workmanship
- will delight the eye at all seasons



TERRA COTTA ART CO.
Show & Sales Room at 126 E. 41st St., cor. Lexington Ave., New York


Pinkham Hand-Braided Rugs





"Way Down East"
the fifth generation of experts is braiding these rugs, in which Colonial simplicity becomes a fine art. The more important stores and interior decorators all over the country depend upon this source of supply. Send description of your rooms and color sketches will be submitted, showing designs originated to blend with your furnishings.

PINKHAM ASSOCIATES INC.
PORTLAND, MAINE
No. 3 Marginal Road



"There's Poetry in Pie"

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

"Wear-Ever"

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


The Aluminum Cooking Utensil Co.
New Kensington, Pa.

In Canada: Northern Aluminum Company, Ltd., Toronto



Look for the "Wear-Ever" trade mark on the bottom of each utensil

WEAR-EVER



TRADE MARK
MADE IN U. S. A.



What is under the Paint?

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.



Rot and decay start under porch columns, porch posts and flooring, exterior siding, eaves, gutters, door and window frames, rails, roof or side shingles, mud sills—wherever there is exposure to earth, air or water.

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-preservant, 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 but yourself that question,—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 columns, porch posts and flooring, exterior siding, eaves, gutters, door and window frames, rails, roof or side shingles, mud sills, fencing,—wherever there is exposure to moisture, earth and climatic rigors, in all extremes of heat or cold.

Write to Chicago for Redwood Information Sheet No. 11 on "Residential Buildings." Also tell us the name of your architect, for whom we have special Redwood data.



The Largest Manufacturers and Distributors of California Redwood

San Francisco
311 California St.

Los Angeles
Central Bank Bldg.

Eastern Sales Organization

THE PACIFIC LUMBER CO. OF ILLINOIS
1111 Lumber Exchange Bldg., Chicago

New York
522 Fifth Ave.

Kansas City
Grand Ave. Temple Bldg.

The Knife-Life of the Kitchen

(Continued from page 90)

to keep their handles fastened to them; and so balanced (even as a golf club) as to be not only easy but pleasant to use. Pleasant tools make light work.

The knife has three or four main parts—the blade; the tang (that part which fits into the handle); the handle itself, or haft, as it is sometimes called; and in some cases a metal ferrule. Much depends upon the way these parts are made and fitted; they must be so married that nothing can divorce the knife from the handle, so that they will preserve their oneness indefinitely. The great Reno for the knife is the huddled drawer in which it is for the most part kept, but more of this later.

Variety in Knife-Life

The kinds of knife in which the housewife is particularly interested are: carvers, vegetable slicers, parers, fruit, cleavers, etc. Subdivided, they are: paring, bread, meat, poultry, carving, cake, boning, paring (small pocket type style), spatula, lemon, grape and orange, curved in French, German and American fashions, cleavers and scrapers.

Where it is necessary for a knife to conform to shape in paring, a flexible knife is more comfortable than a stiff one. Therefore, if you want a vegetable knife for slicing potatoes never think of buying a long stiff one because your work will be seriously impeded. If you have the right tool the job of paring, or what not, will be as much fun as carving is for the artist who in his turn always has the correct tool.

"Gracious, I can never slice a ham that it doesn't look as if some one bit it up," said a friend of mine.

As gently as I could I told her it was because she was trying to do the impossible. She used a knife for bread and cake, broad and short, and expected it to do the work of a long, thin blade slightly curved off at the end. The heavy, wide-bladed knife cleaves to the surface of the meat and makes it a practical impossibility for any ordinary mortal to push it through. The narrow blade is what you must have, as it requires less strength and cuts therefore more efficiently. The knife with the almost scimitar formation makes it simple to cut around a bone.

Most everybody has a bread knife, so we need not bother about that familiar object, but the only thing necessary is that the bread knife should be kept for bread (and kept sharp) as far as possible, unless it is adapted by having a medium wide blade, to cut meat and cake.

For hot meats a rather flexible, but not too flexible, knife should be used, especially in the case of hot steaks and ham. It is a real comfort to have a good knife for these things; the meat is not chewed before its time and is not wasted in formless gobs.

For the person who must economize on the number of utensils, a knife about 8" or 9" long with rather wide blade can be bought which can very comfortably be used for cold meat slicing as well as bread and cake. A set of six knives, two spatulas and two forks, will fill most kitchen needs. Other knives and forks can be added as specials. Here is the 2" paring knife, 3" for splitting. The general household keeps a fork with the French pattern blade for general work and the heavy 6" blade for cutting vegetables such as turnips, pumpkins, squashes, etc., where a thin blade would snap; the fork has hardened blades with needle points. The spatula for pastry works as well as the wide spatula. The carving knife in 8" short blade, and the flexible slicing knife with 9" blade usable for cold meats, cake, bread, etc., and the general utility knife.

For tough cutting and broad surfaces

the narrow, stiff knife is best, crumbly broad surfaces the broad, knife. For rather tough, small surfaces to be pared and trimmed, the medium flexible, narrow blade is best. Use narrow and stiff and short knife for tough small surfaces like squash, turnips. With these simple logical suggestions the knife problem is easy.

"Had I only learned the use of spatula in cooking school I should have thought my course to be a little economy." This was said somewhat jest, but it shows just what the use of the spatula is. It is an economy. It is not a cutter but a very flexible bendy blade with round corners which can assume the curve of any vessel to pick up dough or anything left behind in bowl or pastry board which is waste saving. It is a scraper and saver. It need not waste a bit of the precious egg on the sides of your dish or a bit of batter if you use the spatula. It also lifts comfortably the egg, griddle cake, fish, etc., from the pan. It really is a joy unbounded.

A larger sized spatula is a convenience, too, for scraping and cleaning large kettles and also for a cake or lifter. Being larger it is a trifle stiffer. One corner of the end of this blade is sharp and the opposite corner is rounded. The reasons are obviously for attacking corners and not scratching surfaces.

Home Butchering

In some homes a certain amount of butchering is done in the kitchen, so times to save expense and sometimes for certain very fine results if the knife is a jewel.

To this end there are some good complements on the market: strong, balanced and riveted to give good vice. Knife blades for this work range from 5" to 14" in length and are various styles.

The cleaver is a good thing to have, should the butcher sometimes neglect to break a furtive bone. These come in pleasant weights and dimensions, one with blade 6" long by 2½" wide weighing in all one pound.

In connection with knives for fruit and vegetables we cannot but tell the story of the late product of steel which is so fast coming to the markets of the world. It is stainless steel. A steel (with an admixture of chromium) which resists rust, does not corrode or stain and is impervious to food acids (with the exception of the mustard plus vinegar plus salt combination which makes a muriatic acid, which is the acid which steel is etched).

It keeps a fine edge and is of a temper and hardness when made by accomplished manufacturers. The steel we use now is a carbon steel. Before the war, both in England and America it was rapidly coming into our market but the value of such steel was so paid to governments that the war and construction departments used it all. Now, however, it can be bought even in some department stores.

Think of not having to scour and polish your knives. Think of the knife having an indefinite life and always looking highly polished. Soon, too, the handle will be made of this stainless steel and the knife will look like a highly polished utensil.

No cleaning powders must be used to clean this steel; only warm water and a mild soap. Its advent reminds one of the early days of aluminum utensils, doesn't it? The manufacturers planning to make kettles, pots and pans of it, as they will wear well, and not scale and wear as do iron ones.

As this steel is non-staining, the handle is not stained as much when it is used with fruit juices; the factor of the joy

(Continued on page 94)



Residence, N. J. Architect, Frank Goodwillie, New York

Natco Homes Cost Less

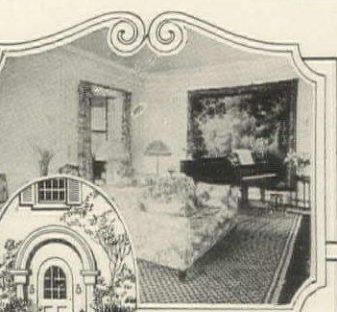
Cost less to construct and less to keep up—eliminating such expenses as painting and repairs. Leading architects advocate and specify Natco Hollow Tile for residences and all moderate size buildings not only for their clients, but also for their own occupancy.

FOR STUCCO
NATCO HOLLOW TILE
FOR BRICK VENEER

Send a post card now for our new book "Natco Homes." Filled with illustrations, plans and descriptions of moderate priced Natco Homes. Investigate Natco Hollow Tile before not after you build.

NATIONAL FIRE PROOFING COMPANY

824 Federal St., Pittsburgh, Pa.
N-12



Walls of lasting Beauty
Ceilings that Endure
Living Room Charm

are in the very heart of the home one
ks, above all, the dignity of quiet
uty, an atmosphere of warmth and
fulness.

attain that you must begin with the
ills, for after all, walls are the room.

e soft glow of Liquid Velvet, the wash-
e flat wall enamel, strikes a definite
unobtrusive keynote of beauty and
comfort that brings living room charm.

our department of Decorative Service
ise you on your problems of interior
oration, free. Write us fully.

and ten cents in coin for booklet, "That
ic Thing Called Color."

**O'BRIEN
VARNISH CO.**

514 Washington Ave.
South Bend, Ind.

"Varnish Makers for
Half a Century"

Liquid Velvet
THE SPECIFIED BRAND

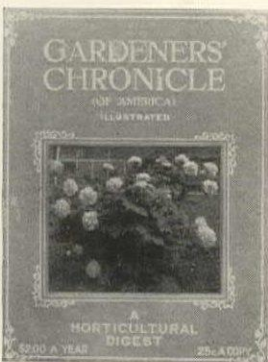
Gardening Knowledge Brings Garden Success

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 deeper understanding of plant life and of its needs—an understanding which assures success.

One of these helpful lessons on a seasonable subject relating to the home garden appears regularly in every issue of the *Gardeners' Chronicle*. This is a monthly magazine devoted exclusively to practical gardening in all its phases.



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 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

The *Gardeners' Chronicle* will be sent you every month for one full year upon receipt of only \$2. Each issue will contain a complete lesson on home gardening, also a wealth of other material.

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



Leavens Furniture

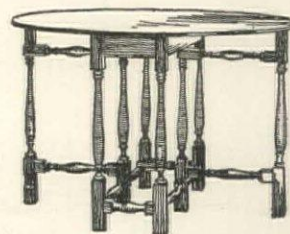
The careful, discriminating purchaser plans a home that will become more beautiful as the years go by—which both in exterior and interior appearance will take on additional charm as it grows older.

He selects
Leavens
Colonial
Furniture

for interiors knowing that like the house itself this wonderful furniture will grow old gracefully—remaining always in vogue and satisfying even the most fastidious taste.

Personal preference may be exercised in the matter of finish. We will gladly supply unfinished pieces if desired to be finished to match any interior.

Write for set No. 4 of illustrations and Leavens stains.



WILLIAM LEAVENS & CO. INC.
MANUFACTURERS
32 CANAL STREET,
BOSTON, MASS.

REDUCE Easily... Naturally

Three Slices
of Basy Bread a day,
Help reduce your weight
in a natural way.

Doctors' Essential Foods Co.
Orange, N. J.

Dear Sirs:

You will recall that a loaf of Basy Bread is due me owing to its being lost in the mail. I value the bread very highly and it has done all that you claim for it. Kindly keep my shipments up.

Yours very truly,
H. B. M., Tulsa, Okla.

**DOCTORS' ESSENTIAL
FOOD CO.**
35 Oakwood Ave.
Orange New Jersey

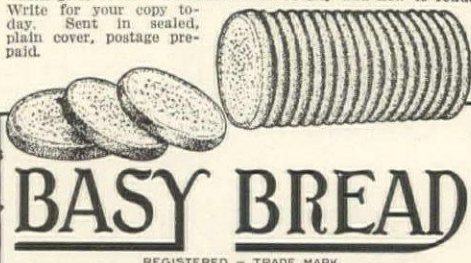
Your friends must have told you about Basy Bread, now a recognized standard weight reducing ration.

Basy Bread is not a medicine or drug, but a wholesome and delicious food—scientifically prepared.

There is no unpleasant dieting—no irksome exercises, in the Basy Bread course. Legions have reported remarkable reductions in weight with gains in strength and health.

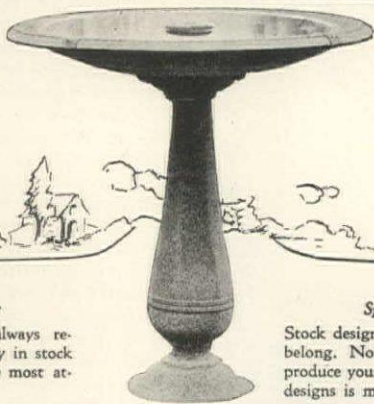
You will be very much interested in the Basy Bread booklet, which gives reliable information on obesity and how to reduce.

Write for your copy to-day. Sent in sealed, plain cover, postage prepaid.



BASY BREAD

REGISTERED - TRADE MARK



Regular

Specials are not always required. The variety in stock designs is therefore most attractive.

Special

Stock designs do not always belong. Norristone ability to produce your ideas in special designs is most appealing.

Norristone Cut Cast Granite
Fountains, Bird Baths, Benches, Pedestals, Pots, Urns, Etc.
Send 6c for book of actual photos.
Norristone Studios, Rochester, New York

NORRISTONE Garden Furniture

IF YOU ENTERTAIN—or just want Good Things to Eat—you will find excellent suggestions in every copy of

American Cookery

A Household Magazine which tells you how to make and serve

"Vanderbilt Salad"
"Butterfly Salad"
"Planked Steak"
"Chicken a la King"

How to select and cook your favorite dish, how to serve it and what to serve with it; forty or fifty choice and timely recipes in each number, many of them illustrated.



"Vanderbilt Salad"

"AMERICAN COOKERY" also gives menus for every possible occasion. Formal and Informal Dinners, Lunches, Wedding Receptions, Card Parties, Sunday Night Suppers, etc., etc.

If you have a family you need this Magazine, for using it will help you to set a better table for less money.

AMERICAN COOKERY is \$1.50 a year, but if you will send us One Dollar (check, money order, bill or stamps) we will send you American Cookery for the rest of 1921, commencing with the March number which contains "Vanderbilt Salad" and "Chicken a la King."

AMERICAN COOKERY
215 Columbus Ave. Boston, Mass.

Moto-Mower

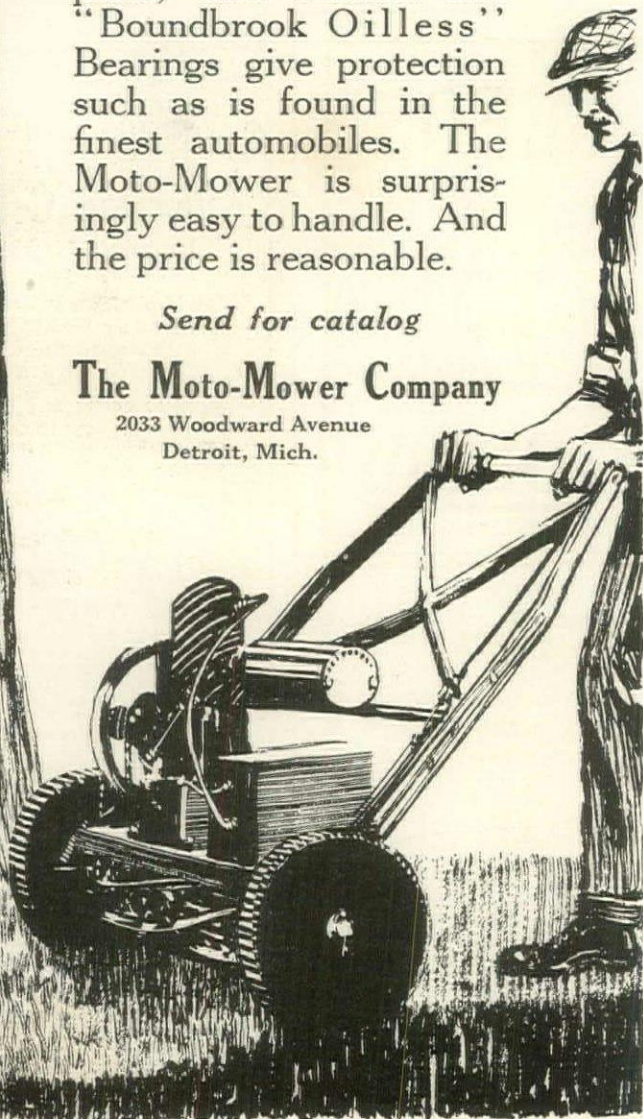
MOTO-MOWER owners value this power lawn-mower not so much for its 80% saving in labor cost as for the positive improvement it makes in the appearance of their grounds.

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 Oilless" 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 Knife-Life of the Kitchen

(Continued from page 92)

combining with the elements in the steel is absent. There are some people whose hands stain from certain juices whereas the hands of others do not, but generally speaking, there will be less hand staining with this newer steel.

The few years of its service may not have revealed all of its good points or some of its bad points. Only time will tell, of course. But as a fruit knife at present the stainless type seems to be a fine thing, though the ordinary steel knife, if sharp and well made, is no less of a joy than ever it was. Manufacturers are adopting the stainless—even those who think that it isn't as good as it is claimed to be.

Vegetable and fruit slicers and parers come in many sizes and styles. They are usually small and light with narrow blades and sharp. They are to be had in stainless and carbon steel in sets and in singles, and when bought wisely make the kitchen maids' job an artistic one.

Grape-fruits and oranges have knives for their very own. Manufacturers have given much time and thought to the easiest method of preparing these fruits easily, without loss of juices and flavor, and without waste of time on the part of the operator. And so there have been born a few of these knives which are excellent and live up to their glowing advertisements.

Their characteristics are: Two-edged, like the great swords of old. They cut from either the right or left with ease; the blade is curved to fit the fruit and has rounded points so as not to lacerate the outer skin and waste the juices and spoil the shape of the fruit. The blade is exceedingly sharp and honed carefully like a razor—the sharper it is the swifter it will do its work. The blade must be securely fastened in the handle. The handle must be light, of comfortable shape and well balanced. In a few words, the knife must be able to get down and under the center, cutting the side segments as well and making the tough walls "fade away" easily.

The knives are made in stainless steel, in nickel-plated steel and in the ordinary and fine vanadium steel. Your fruit when prepared with such a knife may look as if hands never touched it.

Handles

The question of handles is interesting because the knife without the handle, however sharp it may be, is of little use. The main question is of ease in gripping, in the balance, and in the duration of time that the blade will stay firm in the handle.

There are many ways of accomplishing these things: in some cases the tang of the blade is cemented in the handle. This is done where the knife is used with little pressure and strength, such as the feather-curling knife of the milliner; there are some knives which are riveted such as butchers' knives because much force is used with them; household knives are pinned and pinned and cemented sometimes, and in the case of home butcher knives as many as three pins are used to keep the handle steady.

With knives like the corrugated types, there are often metal wire handles drawn out on them. The corrugations on these blades are to obviate tearing and reduce, some think, the pressure necessary in cutting.

Handles themselves are made of various things,—woods, rubberoid, celluloid, metals, stag and in the case of table knives, mother-of-pearl, shell, silver over nickel, etc.

The kitchen knife handle must be able to stand all heats, be impervious to hot water, be smooth and comfortable in shape, and must be nicely finished so as to give the worker a feeling of worth-whileness in his job. Sloppy tools make for sloppy work.

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 huddled into a drawer where they loom from their handles, nick, scratch and hammer each other to their own destruction. What good, ask we, is there having good materials if they are to be stored in this manner?

Consider the carpenter how he stores his tools. He hangs each tool in a certain groove and as he desires a certain thing he reaches for it. He can't afford to have any destruction—it is too extravagant a disease. Yet it is the hardest thing in the world to make the housewife hang her few knives and keep them forever in good shape.

Clean them after every using. It is easier then. A little scouring powder now and then will keep them in condition. Do not use scouring powders on stainless steel, as it reduces the polish—the very thing which maintains its imperviousness to stain.

All new knives should be so finished when you buy them that they need no further edging. The best manufacturer see to this and have a department just to hone and make knives ready for use.

Sharpening

The housewife's best method of sharpening or rather keeping the edge straight and keenly cutting is the stone. When the knife really gets dull it should be ground. 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 known, time and money will be saved in the sharpening process. Sharp knives save temper, save food to a great degree, and therefore if you can't sharpen knives yourself send them out to be taken care of once or twice a year.

There is a special stone on the market for stainless steel sharpening; it is worth getting this for your stainless utensils. Follow the directions with it carefully.

All sharpening steels should have a guard for the hand in case the knife slides back toward the fingers.

Never hold the knife on edge on the steel, for it should be quite flat; remember you are trying to flatten the two sides toward the edge, and thereby make it a better cutter.

There are good rotary grinders and polishers on the market, and knowledge of them and their use is very valuable. There are also stones flat and stones with 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 its confrères, knives.

The tines must be rigid and sharp enough to pierce immediately and 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 this 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 left hand.

If you buy the best cutlery from the most representative firms you will have the best results and be well repaid. Good cutlery, like everything good, is more expensive than cheap varieties. Good cutlery may stand up longer under bad usage than poor cutlery; but don't tempt it and waste your money.

A little care with cutlery will curtail your bills, give your food a better appearance and your maids swifter accomplishment, for, after all, the kitchen work is mostly cutting up.

Gold Medal Gladioli—

The private gardens of Elmwood
race offer from its magnifi-
t collection of Gladioli, a sur-
s of the varieties which won
Kunderd Gold Medal and six-
n other prizes out of twenty
ries, at the last big show of
American Gladiolus Society
Boston. One hundred and
enty-five Kunderd's varieties
two hundred of the finest
commercial varieties—Prices per
en and one hundred on ap-
ation.

following special offers will be
t postpaid. All are full sized
bs grown for exhibition purposes.

each Mrs. D. Norton, White
y, Orange Glory, Challenger (all
derd's) \$1.50.
each Myrtle, Mrs. Frank Pendle-
Mrs. W. E. Fryer, Mrs. G. W.
ulton, Lilywhite, Marie Tennell
Kunderd's) \$1.25.
each Kunderd's Beautiful Primu-
s Hybrids, Alice Tiplady, Altair,
a, Capella, Topaz \$1.50.
each Crimson Glow, Blue Jay,
te Giant, Prince of Wales, Go-
Loveliness \$1.50.
each Mrs. Austin's Big Four,
lyn Kirtland, Herada, Bertrex,
chen Zang, \$80.
each, America, Baron Hulot,
ago White, Faust, Golden King,
Van, Frances King, Mrs. Watt,
ara Peace, Primulinus Hybrids,
ge Torch, Schwaben, Scarsdale,
et King, Queen Wilhelmina,
ident Taft, \$1.75, one each \$1.00.

ll appreciate your orders and fill
n conscientiously, in due time

MRS. M. B. HAWKS
anington Vermont



25-ft. Border of HARDY FLOWERS

X feet wide—all planned and
aid off for you by garden
ert—150 healthy plants, 20
erent varieties including
phiniums, Foxglove, Canter-
y Bells, Iris, Chrysanthem-
s, Hollyhocks, Hardy Asters
thirteen others! Provides wealth
vely bloom all summer long, year
year! Plant and planting in-
tions with every shipment. Turn
er to your gardener or, if you
flowers, plant it yourself and get
ased pleasure from results!

Price \$25 f.o.b. Baltimore, se-
urely boxed—an average of less
an 17c each for strong, healthy
ants that would cost you much
ore if bought individually. Order
OW for Spring shipment.

UDON'S
URSERIES
INCORPORATED
CLAY PRIMROSE, PRESIDENT
RINGTON, MD.



CONARD STAR ROSES BLOOM

or your money back

Roses that assure the beauty of your garden

The prize-winning Columbia or the snow-
white Frau Karl Druschi—the yellow Sun-
burst 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.

For Conard Star Roses are hardy field-grown plants
raised by rose specialists nationally known. On
every rose you get our Star Tag Guarantee—a
durable little celluloid tag with the name of the rose
printed on it. This is the symbol of
our guarantee and is also a permanent
identification of the rose.

It's not the guarantee which makes our
roses bloom but the quality of our
plants which enables
us to make the guar-
antee.

Our little book, "Suc-
cess with Roses," is
worth dollars. Price to
you, 10c. Send for it.
Our beautifully illus-
trated catalog of over
200 varieties is free.
Write for it today.



CONARD ★ ROSES

& JONES COMPANY

BOX 126, WEST GROVE, PA.
Robert Pyle, Pres. A. Wintzer, Vice-Pres.
Backed by over 50 years' experience.

"This tag is my
guarantee. It also
tells the names of my
Conard Star Roses."



Flower Vegetable Grass SEEDS


MANY of the most discriminating buy-
ers of seeds are our customers year
after year, because our seeds are procured
from the best sources in America and
Europe.

Send for Catalogue


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.

HOSEA WATERER—SEED AND BULB IMPORTER

111 S. 7th Street, Philadelphia "Everything for Garden
and Greenhouse"



Planning a Water Garden



is second only to setting the plants and cut-
ting 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

Box G Arlington, New Jersey

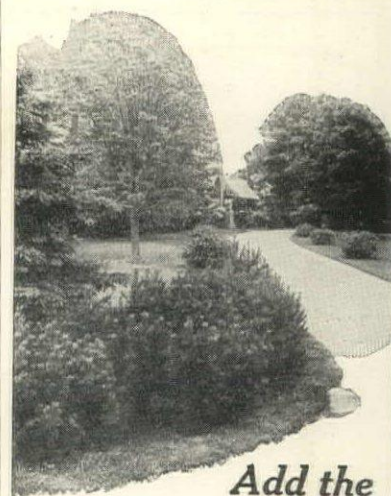
The Season's Sensation Dahlia Patrick O'Mara

We are headquarters
for the splendid new
Dahlia. Wonderfully
perfect, large flower of
beautiful, rare autumn
shade, on long, strong
stems. Certain to be-
come a favorite.
Strong plants \$10.00
each. Safe delivery
guaranteed.

Illustration in natural size
and color free to intending
purchasers.

Complete Spring Catalogue
sent on request.

Stump & Walter Co.
30-32 Barclay St. New York

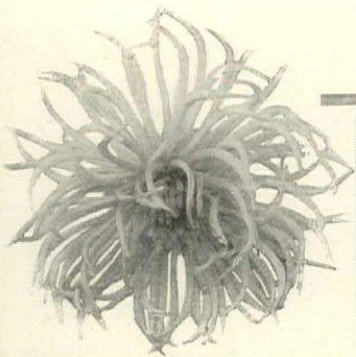


Add the serene beauty of Hill's Evergreens

to your town, suburban or country home.
The cost is modest. The effect is a restful
charm—an all-year-round beauty that
no other type of ornamental plants or
trees can impart to home surroundings.
We have been specialists in Evergreens
for over 60 years. Choicest specimens—
most desirable varieties. Safe Delivery
and Satisfaction Guaranteed. Beautiful
Evergreen Trees at moderate prices.
Ask your Landscape Architect, Nursery-
man or Florist about Hill's Ever-
greens. Expert planting advice and in-
teresting Evergreen Book—FREE.
Write for it today.

D. HILL NURSERY CO., Inc.
Evergreen Specialists
for Over 60 Years
301 Cedar Street
Dundee, Ill.





CACTUS DAHLIA, MRS. BRANDT
\$1.00 each, prepaid

The illustration shows you one of the almost limitless variations in form and shape of the modern

DAHLIA

In any of the hundreds of ways for which cut flowers are desirable you will discover that the collection below deserves a supreme place in every flower lover's home.

TRY THIS COLLECTION

for \$2.00, prepaid

Field grown tubers, guaranteed exactly as represented.

Madonna, large, fluffy, white
Mina Burgle, best scarlet
Frank A. Walker, lavender-pink
Rev. Dr. Baker, rose-purple
Vivian, white edged violet

MY CATALOG ON REQUEST

It will tell you the whole story of the Dahlia; how and when to plant, how to fertilize and care for the plants. Well worth your time. It's free.

J. K. ALEXANDER

Largest Dahlia
Grower in the
World

425-435
Central Street,

East
Bridgewater,
Mass.



"THE DAHLIA KING"

Elliott Nursery Seeds

The returns from your garden in pleasure and profit depend upon your knowledge of gardening. With this thought in mind we have prepared our

1921 Seed Catalogue

It is a complete and practical guide for the amateur and professional gardener, telling exactly which varieties to choose for your particular purpose and answering all questions which are likely to arise during the seasons and which so baffle the average person.

This is your opportunity to own a copy. Do not neglect it, but write for one now. Ask for Free Seed Catalogue.

Plants and Shrubs

The growing of Hardy Plants has been a specialty with us for over thirty years and our catalogue of Peonies, Phloxes, Delphinium, all varieties of Perennials and Shrubs is the most comprehensive issued. It is now ready for 1921, and will be sent free on request.

Ask for Plant and Shrub Catalogue

ELLIOTT NURSERY
339 Fourth Avenue Pittsburgh, Pa.

PLANT THIS STRAWBERRY GARDEN

All new creations which have been tested and approved by The Evergreen Plantation

Alwild	STRAWBERRY BEST CANNER	FRE
Productive	EVERBEARING 15 PLANTS	\$.2
Sugar	STRAWBERRY 15 PLANTS	.4
Peerless	EVERBEARING 15 PLANTS	.7
New Race	STRAWBERRY 15 PLANTS	.9
Duluth	EVERBEARING 15 PLANTS	1.7
Lucky †	EVERBEARING 15 PLANTS	5.0
Unique	AND ONE OTHER	\$9.1

ALL PREPAID

Five Varieties to Bear This Year

Simply enclose this advertisement with your check or money order to

The Evergreen Plantation
New Meadows, Idaho

WIZARD TRADE BRAND MARK CONCENTRATED MANURES

A

NATURAL FERTILIZER

direct heat dried and sterilized—weed and grass seed effectively destroyed—safe—dependable—convenient. Wizard Brand will make your gardening efforts a real pleasure and success, because it gives the soil what it needs to make things grow.

Insist on Wizard Brand by name at your seed store or write direct for booklet and prices.

TRY IT THIS SPRING!

The Pulverized Manure Co., 25 Union Stockyards Chicago, Ill.

the best fertilizer for under glass or plant field soil—equally good for the lawn, flower and vegetable garden, shrubs, trees, fruit and field crops.



High-Grade New York Stable Manure

Prompt Shipments
Carload Lots & By Box

ACME

Stable Manure Co.

264 W. 34th St., N.Y. C.
1916 Market St., Phila., Pa.



Trees die from unprotected wounds Daveyite prevents decay

Decay kills trees. Decay starts in unprotected wounds, whether caused by pruning or accident.

Spores of fungus disease alight on the exposed woody tissues, grow, and result in rot. Gradually the tree weakens. Suddenly a heavy windstorm hits it and—crash—the tree is gone.

Tree wounds must be protected against infection and decay. Daveyite does this. Ordinary paint will not do. It is too thin, not durable, and will not work on wood saturated with sap.

A good wound dressing for trees must be sufficiently heavy but adhesive, durable, antiseptic but harmless to growing bark. It must not run in summer nor crack in winter. That's Daveyite.

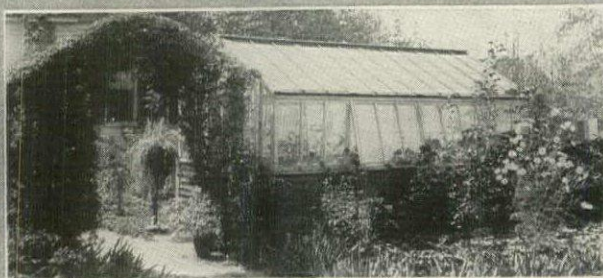
Davey Tree Surgeons produced Daveyite after long experiment. They have proved it in several years' work upon America's finest estates. They recommend it and back it with their reputation.

Don't risk losing your priceless trees. Send \$5 for a gallon can of Daveyite. Keep it on hand—it's wise insurance. Satisfaction guaranteed—send today.

**The Davey
Tree Expert
Co., Inc.**
553 Elm St.
Kent, Ohio



JOHN DAVEY
Father of Tree
Surgery



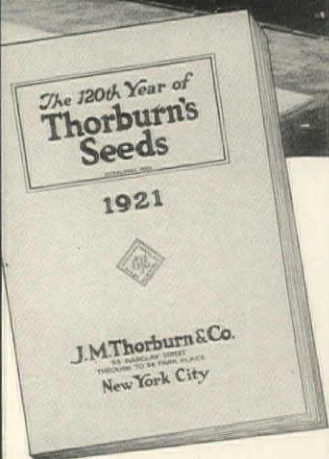
CALLAHAN SECTIONAL GREENHOUSES

Bring the pleasures and economies of possessing an under-glass garden within the reach of everyone. You can quickly erect a beautiful permanent Callahan Sectional Greenhouse without the usual expenses and be sure of perfect results. Ideal growing conditions are assured by "dead air" insulation in double-glass and side wall construction. There's a style and size just built to beautify your home. Write for The Greenhouse Book.

T. J. CALLAHAN CO.

253 Fourth Street

Dayton, Ohio



This Book—
will really help you with
your spring garden—

It is filled with just the in-
formation you want; descrip-
tions, illustrations, prices, di-
rections, and lists of special col-
lections costing from 50c to \$2.
or flower seeds, and from \$1. to
\$5. for vegetable seeds. Send for
your copy today—IT'S FREE!

J. M. THORBURN & CO.
3 Barclay Street—through to
4 Park Place New York

**Indoor and Outdoor
Harmonies with
GLADIOLI**

DUIS BEEBE WILDER
has written a fascinating article on
the Gladiolus in Garden Pictures"
my 1921 booklet, while for those
interested in the use of the
flowers there are suggestions
p.

list only sixty varieties, selected
their beauty after growing some
r hundred sorts. Many of mod-
er price are worth planting gen-
erally as a background or to cut,
to serve as high lights in the
ure don't overlook the magnifi-
t new introductions which I
r.

"Prize Winning Dozen" Collec-
tion would add distinction to any
den. Only a dozen bulbs in all,
aristocrats, each and every one.
collection is sent for \$10.50,
paid, and contains:

estle—Orange pink with creamy mid-
H. E. Bothin—Charming pink and
imson)
se—The finest lavender, very large.
Dr. Norton—White merging into
st delicate pink
son Glow—An immense flower of
treme brilliance
iel—Soft old blue
ge Glory—Glowing orange pink with
fied petals
ce of India—Subtle blending of dull
es
—A light blue from Europe
al Tiger—Old rose with barbaric
ashings
st Glory—Deep ruffled violet
John R. Walsh—The loveliest pink
be imagined

my catalogue is free for the asking.
It includes lilies, too.

V. L. CRISSEY
"Gladiolus Farm"
D. 1 BORING, OREGON



Garden Lovers

The Ten-Ten Book Is Ready For You

IT'S a real joy to look at both
inside and out; with its
quaint illustrations and
sunny covers.

Easy to read. Easy to find
things.

We've listed the ten best of
everything for your garden and
grounds—from seeds to shrubs
and trees.

All of which turns bother into
zestful pleasure.

There's an illustrated index. A
really interesting index, where
you'll find all your old garden
friends. Both their common
and botanical names are given,
and just the descriptions and

prices you want to know about.
Then, too, you ought to know
about our new seed envelopes.
They're so delightfully fanci-
ful in their apple green and
blue-bird garbs.

Blue for the flower seeds.
Green for the vegetables.

We designed them so you can
use them for markers to make
your garden sing while you're
waiting for the seeds to sprout.

Send for your copy today, and
see what a good folksy thing a
garden catalog can be; and
what a lot of contentment you'll
get from ordering wisely for
your early planting.



Julius Reehrs Co
At The Sign of The Tree
Box 60 Rutherford N.J.

**"RUNLITE"
GARDEN CULTIVATOR**



\$3.00

Delivered Anywhere in U. S.

entirely new and valuable principle. Fully guaranteed.

"The Runlite Cultivator cultivates deeply and is easy to run. It does not
jar the body, which causes headaches as hoeing is apt to do. It is well
worth the moderate sum it costs."

Marion P. Thomas, Utica, N. Y.

Sold by Hardware Dealers, Seedsmen, etc. Order from the factory if your
dealer cannot supply. Complete with handle on receipt of price of \$3.00.
Circulars on request.

RUNLITE COMPANY, Ithaca, New York

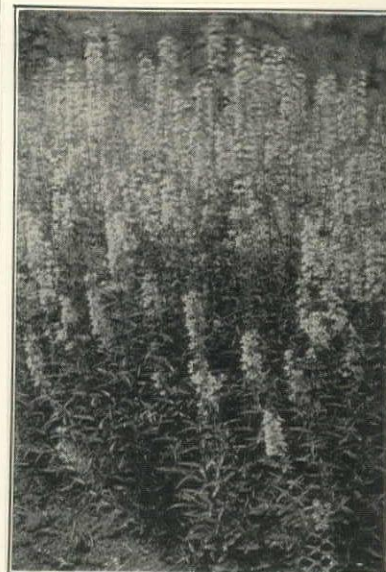
BOX-BARBERRY
THE NEW HARDY EDGING
and DWARF HEDGE



BOX-BARBERRY is a dwarf, upright form of *Berberis Thunbergii*, and
lends itself most happily to edgings for the formal garden, or for low
hedges. It is perfectly hardy, thriving wherever *B. Thunbergii* grows.

Send for descriptive circular, and complete catalogue of Elm City Nursery products.

The Elm City Nursery Co.
Woodmont Nurseries
Near Yale Bowl
Box 194, New Haven, Conn.



**THE LOVELY
ROSY SHOWFLOWER,
or
Lythrum, Rose Queen**

One of the very finest peren-
nials we ever grew and as hardy
and robust as an oak. In early
summer plants send up a dozen or
more slender wiry stems from
each crown to the height of four
or five feet. These carry beauti-
ful foliage and about three feet
of lovely star-like blossoms and
buds. Color rosy scarlet, very
showy and brilliant. These great
flaming torches of bloom show
for two months. A free and easy
grower anywhere. Strong, two-
year plants which will bloom fine-
ly this season.

**40c each; 3 for \$1.00;
7 for \$2.00; 20 for \$5.00**

**AUTUMN GLORY
(Helianthus Questifolius)**

This has proved to be the most
magnificent very late flower we
have grown. It blooms long after
frost has killed everything else.
In fact, it does not begin to bloom
till about time for frost. It then
stands five to seven feet high and
the great massive branches burst
out into a sheet of solid bloom
of the clearest and richest golden
yellow, like our famous Golden
Glow but still more showy. Grows
readily from seed, also from roots.
From seed it blooms the first sea-
son, attaining full size and perfec-
tion. There is nothing like it. It
is positively the greatest introduc-
tion of recent years.

Seed Helianthus Autumn Glory—
Per pkt., 25c; 3 for 60c. Sure to
bloom finely this fall.

**Plants—30c each; 4 for \$1.00; 12
for \$2.80.**

SPECIAL OFFER:—For \$1.00 we
will mail 3 strong plants **Lythrum**,
and 1 pkt. seed each of **Autumn
Glory**, **Dieners** New 3-lb. **Tomato** and
Catalogue.

BIG CATALOGUE free. All flower
and vegetable seeds, bulbs, plants,
and berries. We grow the finest
Gladioli, **Dahlias**, **Cannas**, **Irises**,
Peonies, **Perennials**, **Shrubs**, **Vines**,
Ferns, **Roses**, **Sweet Peas**, **Asters**,
Pansies, **Beets**, **Beans**, **Cabbage**,
Onions, **Tomatoes**, etc. All special
prize strains, and many sterling nov-
elties.

JOHN LEWIS CHILDS, Inc.
Floral Park, N. Y.



A Shining, Sanitary Closet Bowl

You can have a closet bowl that's as shining white as new and absolutely sanitary. Scrubbing and scouring are not necessary. *Sani-Flush* cleans so thoroughly that disinfectants are not necessary. Just sprinkle a little into the bowl, according to the directions on the can. Flush. Rust marks, stains and incrustations will all disappear, leaving the bowl and hidden trap thoroughly cleaned.

The Hygienic Products Co., Canton, O.

Canadian Agents:

Harold F. Ritchie & Co., Ltd., Toronto

Sani-Flush is sold at grocery, drug, hardware, plumbing, and house-furnishing stores. If you cannot buy it locally at once, send 25c in coin or stamps for a full size can post-paid. (Canadian price, 35c; foreign price, 50c.)



Sani-Flush

Cleans Closet Bowls Without Scouring

AN ATTRACTIVE PLACE

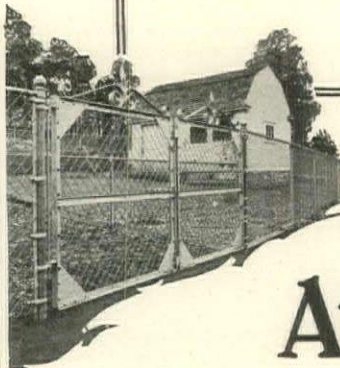
Might yours not be made more so, if set off by a pleasing fence and individual entrance gateway? It adds a touch of exclusiveness and forbids unwanted trespass.

In selecting fence and gate designs you must needs give careful consideration to strength and permanent attractiveness combined with a properly moderate investment.

We maintain an efficient service department which will co-operate with you, or your architect, with a view to carrying out your individual plans.

American Fence Construction Co.

100 Church St., New York, N. Y.



Have you seen the Afco Booklet of fence and gate designs?—It will interest you.

Afco Fences



Plan It Now

PLAN your future home now. Bungalows are all ready for the day when building prices are normal again. Don't wait until the very last minute and then find you've left out something or other.

Send today for a deluxe copy "Craftsman Bungalows"—the most authentic plan book issued. It will help you plan economically and wisely. Contains pictures and plans of nearly 100 beautiful and distinctive homes costing from \$1000 to \$9000 to build. 112 pages. Nothing else like it. Shows exteriors, interiors, floor and room plans; gives costs, etc. of homes suitable for any climate. The many helpful and practical building suggestions given will save dollars for prospective home builder.

Price \$1 postpaid

Smaller edition exclusively devoted to Colonial Bungalows, only 50c.

Send for these two helpful books today. Money cheerfully returned if dissatisfied.

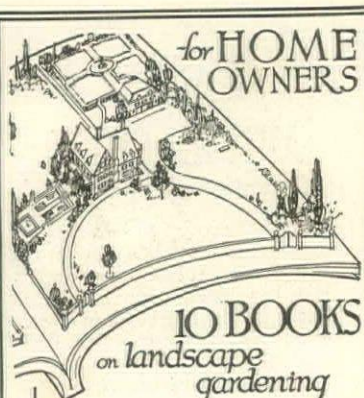
Yoho & Merritt

The Craftsman Designers

503 Empire Building

Seattle

Washington



A WONDERFUL library, covering every phase of Home Landscape Gardening, sent all charges prepaid for Free examination.

These remarkable books tell in simple words and show by over 100 attractive illustrations just how to lay out your grounds, choose plants, care for shrubbery and trees, prepare seed beds—create beautiful, harmonious, colorful surroundings on large estates and small home lots.

Ten books (in attractive container) written by Landscape Architects and edited by the eminent authority—Ralph Rodney Root, B. S. A., M. L. A., for five years head of the Professional Course in Landscape Gardening, U. of Ill.; head of Summer School of Landscape Architecture, Lake Forest, author of "Design in Landscape Gardening".

UNUSUAL OFFER SEND NO MONEY

Free inspection. See these books, read them, look at the pictures. Sent prepaid. If satisfied mail check. If not return the books within five days. You will not owe one cent.

The Garden Press, Dept. A, Davenport, Ia. Send me your library of Ten Home Landscape Gardening Books. I will remit them or send \$7.50 in full payment within five days after receipt.

Name
Address
Town and State.....

Rosedale Specialties

Roses in many varieties and in large sizes for immediate effect. Also **Fruits** (dwarf and standard).

Evergreens in 70 varieties and many sizes, up to 25 feet. Frequent transplanting assures compact root systems that stand moving well.

Deciduous Trees, Shrubs and Vines in great variety, including extra sizes for immediate effect.

We will issue two helpful catalogs—February and August. Send us your name and address.

ROSEDALE NURSERIES

Box H

Tarrytown, N. Y.



The Majestic Douglas Fir

California Bungalow Books



"Home Kraft" and "Draughtsman" each contain Bungalows and Two Stories. "Plan Kraft" Two Stories. "Kozy Homes" Bungalows. \$1.00 each—all four for \$3.00. De Luxe Flats \$1.00.

DE LUXE BUILDING CO.

521 UNION LEAGUE BLDG.

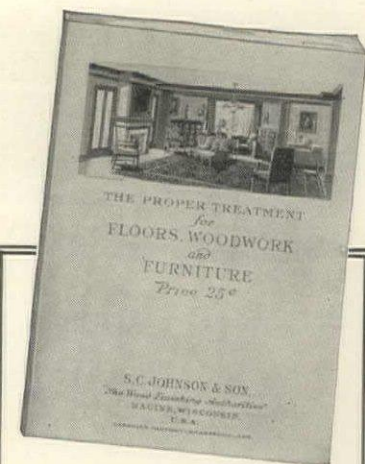
LOS ANGELES, CALIF.

Spread the cost of a Pennsylvania Quality Lawn Mower over its long years of service and its economy is manifest.

So thinks the merchant who says, "buy one," instead of a short lived ordinary mower which nets more profit.

PENNSYLVANIA
Quality
LAWN MOWERS

AT HARDY DEALER SEEDS



BUILDING?

Then You Need This Book

It's the best book ever published on Artistic Wood Finishes—the work of experts—illustrated in colors. Gives specifications for finishing hard and soft woods—in stained effects with Johnson's Wood Dye and in enameled effects with Johnson's PerfectTone Enamel.

How To Get It Free

Go to your best dealer in paints and ask for a copy of Johnson's book "The Proper Treatment for Floors, Woodwork and Furniture". If a leading paint dealer cannot furnish it give us his name and we will send the book free.

JOHNSON'S

PERFECTONE ENAMEL

Enameled trim is the "last word" for interior decoration. And what a common-sense vogue it is! For enamel makes bright, cheerful rooms—its satin smoothness sheds dust—and it gives an artistic, sanitary, durable finish which can be washed. Johnson's PerfectTone Enamel goes farther and lasts longer so it proves more economical.

S. C. JOHNSON & SON
"The Wood Finishing Authorities"
Dept. HGI. Racine, Wis.

PLAN YOUR FUTURE HOME NOW

SEND FOR
STILLWELL BUILDING
BOOKS WITH
ECONOMY PLANS

of New California Styles,
Suitable for Any Climate.

Famous for
Comfort and Beauty.



"Representative Cal. Homes"

51 plans—6 to 10 rooms—\$1

"The New Colonials"

60 plans—5 to 12 rooms—\$1

"West Coast Bungalows"

60 1-story 5 to 7 rooms—\$1

SPECIAL OFFER

Send \$2.50 for all three above books and get book of 80 Special Plans, also FREE Garage Folder.

Extra—43 "Little Bungalows"
3 to 6 Rooms—50c

Money back if not satisfied.

E. W. STILLWELL & CO.

Architects

557 Calif. Bldg., Los Angeles



Maybe You Do!

Maybe you know that you must protect asters from aster-beetle by hand-picking and Paris green.

Maybe you know that you must top-dress peppers with nitrate of soda during early growth.

Maybe you know that Ampelopsis—outside of Boston!—is just called Boston ivy; in setting out dormant plants, prune back to 6".

Maybe you do!

But there must be something you don't know about gardening. There's always the question of how deep to plant this, or whether the shade is too heavy for that. And you remember that article on the use of the feet in planting? It had nothing to do with any disagreement between you and the gardener—however sot in his ways!—but had some very good advice on transplanting in it. Will you get your seedlings in firmly enough this spring?

Whatever you don't know,
ask the House & Garden

Information Service

The Information staff will answer cheerfully and gladly any questions you may want to ask it.

It is always ready to advise you about your house, inside or out—but just at the present moment, the whole House & Garden office is fairly bursting with information about gardening. Won't you give us a chance to stick a trowel into your garden plot?

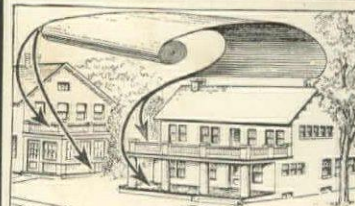
Just ask us a question anyway!

Address

INFORMATION SERVICE
HOUSE & GARDEN

19 WEST 44TH STREET

NEW YORK CITY



CON-SER-TEX

CANVAS ROOFING

Perfect Porch Covering

As a covering for porch roofs, floors, and sleeping balconies it has no equal. While it is extremely durable it is sound-proof and non-heat radiating. Deadens the noise of the wind and rain and is a non-conductor of heat and cold.

Durable

For years CON-SER-TEX has been rendering universal satisfaction wherever laid on roofs, porch floors, etc. It never rots or stretches. It hugs the roof or porch surface tightly. Neat and artistic in appearance.

Generous samples and illustrated descriptive booklet "Roofing Facts and Figures" upon request.

William L. Barrell Company

8 Thomas Street New York City

CHICAGO DISTRIBUTOR:
George B. Carpenter & Co.
430-440 North Wells Street
CALIFORNIA DISTRIBUTORS:
Waterhouse-Wilcox Company
San Francisco and Los Angeles



A home of
CLOISTER BRICK
breathes hospitality

THE rich warm shades of reds and browns, and the soft velvety texture of these impervious brick bestow enviable charm and beauty to the walls and create an inviting home.

Patterned after the sheltering Cloister walls of the old California Missions, these brick give an atmosphere of seclusion and dignity. Time mellows and heightens their beauty, which blends perfectly with nature's surroundings.

A handsome book on Cloister Brick and information as to where you can secure them can be obtained by writing to Department 73.

WESTERN BRICK
COMPANY
DANVILLE ILLINOIS

What Our Friend the Architect Told Us

Facts that Every Home Builder Needs on Construction

The foreground is from an actual photograph of fire apparatus at a fire. The house is a sketch.



Imagine your house in place of the one sketched here. Don't let it happen. Build right.

Free Fire Protection

Booklet, Just Published, Sent on Request

"You ask me how to make an ordinary house safe from fire for you and the children," said the Architect. "I want you to send for a free illustrated booklet, just published, explaining the whole subject. There's no advertising in it. Send for it today."

"How can a house with wooden beams be made safe from fire?" asked the husband.



Stairway and Hall Protected from Fire by Metal Lath

96% of All Fires Start Inside

"By protecting the wood with metal lath," replied the Architect. "I'm glad you understand that unburnable exterior walls don't

make a fireproof house. Ninety-six percent of all fires start inside.

"A wall plastered on ordinary lath will stop a hot fire five minutes, by official testimony. Now here's a sample of metal lath protection.

Caught Fire at Night in Winter

"Judge Rose's house in Youngstown, Ohio, had a ceiling of plaster on metal lath over the furnace room in the cellar. The woodpile caught fire late one winter night. The cellar was a sheet of flame when the fire was discovered. The water plugs were frozen. The firemen told Judge Rose his house was gone. The cellar was a roaring blaze. But," the Architect shook his finger, "that ceiling of metal lath held that fire right where it was and they put it out with chemicals."

"How glad they must have been that they had metal lath," exclaimed the wife.

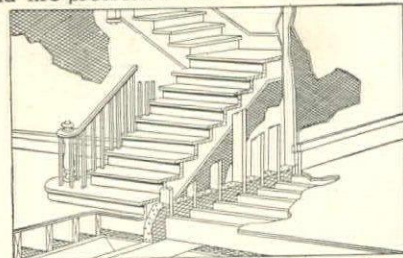
"Metal lath saved their home and their lives," said the Architect.

"What does it cost?" asked the husband.

"Nothing. The fire protection is free. Metal lath pays for itself by saving repair costs. Plaster on metal lath won't crack. You don't have to pay for any repairs."

"What is metal lath like?"

"Metal lath is sheets of steel mesh. When it is nailed up the wall is armored in unburnable steel. Then when the plaster is imbedded it is like reinforced concrete. The cost is so small everyone ought to use it, especially as it pays for itself in a short time, so that metal lath gives crack prevention and fire protection free.



Detail Showing How Stairs Should Be Protected by Metal Lath

Send for Booklet

"You want to know all about this. Send today for that free booklet," concluded the Architect. "It's not an advertising booklet. It is full of information, pictures, and practical details. It also tells about stucco building. Write today to the Associated Metal Lath Manufacturers, Chicago."

Prevents Cracks

Metal Lath

Stops Fire

Free Booklet

No Advertising

Send This Coupon

Just send your name and address in this coupon for free booklet, "The Essentials of Building." No obligation. Edition limited. Don't be too late. Send the coupon now.

Associated Metal Lath Manufacturers
Dept. 1423 72 West Adams Street, Chicago, Ill.

Associated Metal Lath Manufacturers

Dept. 1423 72 West Adams Street, Chicago

Dear Sirs: Please send me your booklet, "The Essentials of Building." I understand it is free and there is no obligation, and no manufacturer's advertising in it. I am planning to build Yes ☐ No ☐

My architect, or builder is

Name

Address

OAKLAND OWNERS REPORT RETURNS OF FROM
18 TO 25 MILES PER GALLON OF GASOLINE
AND FROM 8,000 TO 12,000 MILES ON TIRES



THIS OAKLAND SENSIBLE SIX SEDAN IS POWERED WITH THE FAMOUS 44-HORSEPOWER, OVERHEAD-VALVE OAKLAND ENGINE

OAKLAND SENSIBLE SIX

THE pronounced value now offered in the Oakland Sensible Six Sedan is made up of three major elements. First, the high order of service that the car invariably delivers. Second, the exceedingly low cost of this service to the Oakland owner. Third, the very moderate price at which this competent car is sold. The present Oakland combines these essential factors in a measure beyond anything in previous Oakland experience. Today, the Oakland Sedan represents a worth not to be equaled in any earlier type of motor car.

OPEN CAR, \$1395; ROADSTER, \$1395; FOUR DOOR SEDAN, \$2065; COUPE, \$2065
F. O. B. PONTIAC, MICH. ADDITIONAL FOR WIRE WHEEL EQUIPMENT, \$85

OAKLAND MOTOR CAR COMPANY, *Pontiac, Michigan*

REFERENCE

DEPENDABILITY

STUCCO—more readily than any other building material—lends itself to the modeling of any architectural form or contour.

The dependable uniformity of highest quality of ATLAS-WHITE Portland Cement assures the permanence of individuality expressed by the innumerable textures and color tones that may be developed in the finish coat of stucco.

Write for Atlas literature on any type of stucco construction you may have in mind.

THE ATLAS PORTLAND CEMENT COMPANY

New York Boston Philadelphia Birmingham
Chicago Dayton Des Moines St. Louis

DISCARDED



ATLAS WHITE