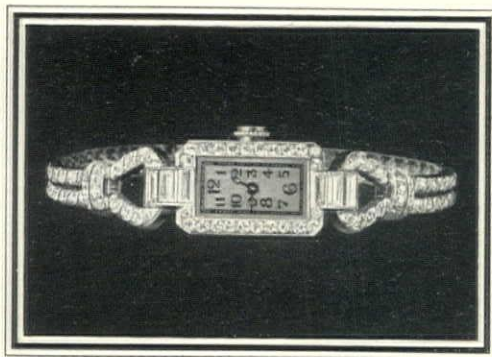


# TIFFANY & Co.

JEWELERS SILVERSMITHS STATIONERS



*Diamond Jewelry  
Noteworthy Quality*

MAIL INQUIRIES RECEIVE PROMPT ATTENTION

FIFTH AVENUE & 37<sup>TH</sup> STREET  
NEW YORK

PARIS      LONDON

no lovelier wallpapers are imported than are made by BIRGE in BUFFALO



The exquisite product  
of almost a century of  
experience G G G G G

## WALL PAPER by BIRGE

"TO PAPER OR NOT TO PAPER" is not the question any more. The economy of wallpaper, its warming, cheery influence have put plain walls to flight.

BIRGE wallpapers are the exquisite product of nearly a hundred years of experience. To our studios flow each year the designs of the world's best artists in this special field. And the result shows each year in the new BIRGE line, an annual showing of beauty and good taste to which a fastidious public has always responded.

Be sure to ask your decorator to let you see the BIRGE collection of wallpapers. No home decorating project is complete without this brilliant review of the world's finest papers.

If you will fill in the coupon we shall be glad to send you full information in reference to BIRGE creations. We invite you, also, to consult freely with us on your decorating problems, where our experience with wallpapers might be of assistance to you.

**M. H. BIRGE & SONS CO.,**  
BUFFALO, N. Y.

Please send me, without obligation, full information in reference to BIRGE creations.

Name \_\_\_\_\_

Address \_\_\_\_\_

**M. H. BIRGE & SONS CO.**

BUFFALO, NEW YORK

MAKERS OF FINE WALLPAPER FOR NEARLY 100 YEARS



## THE AUCTION METHOD

AT THE

## AMERICAN ART ASSOCIATION-ANDERSON GALLERIES · INC

ESTABLISHED nearly fifty years ago, the American Art Association-Anderson Galleries has built up an edifice of public confidence and satisfaction in the auction method as a means of acquiring fine period furniture and decorations.

**CONsigned** for sale by private collectors, estates, and reputable dealers, collections of furniture, silver, bronzes, porcelains, tapestries, rugs, brocades, velvets, etchings, and paintings, after due process of selection to maintain high standards of condition and quality are

**CATALOGUED** fully and critically by competent men on our permanent staff who identify period and design and properly note restorations

and imperfections.

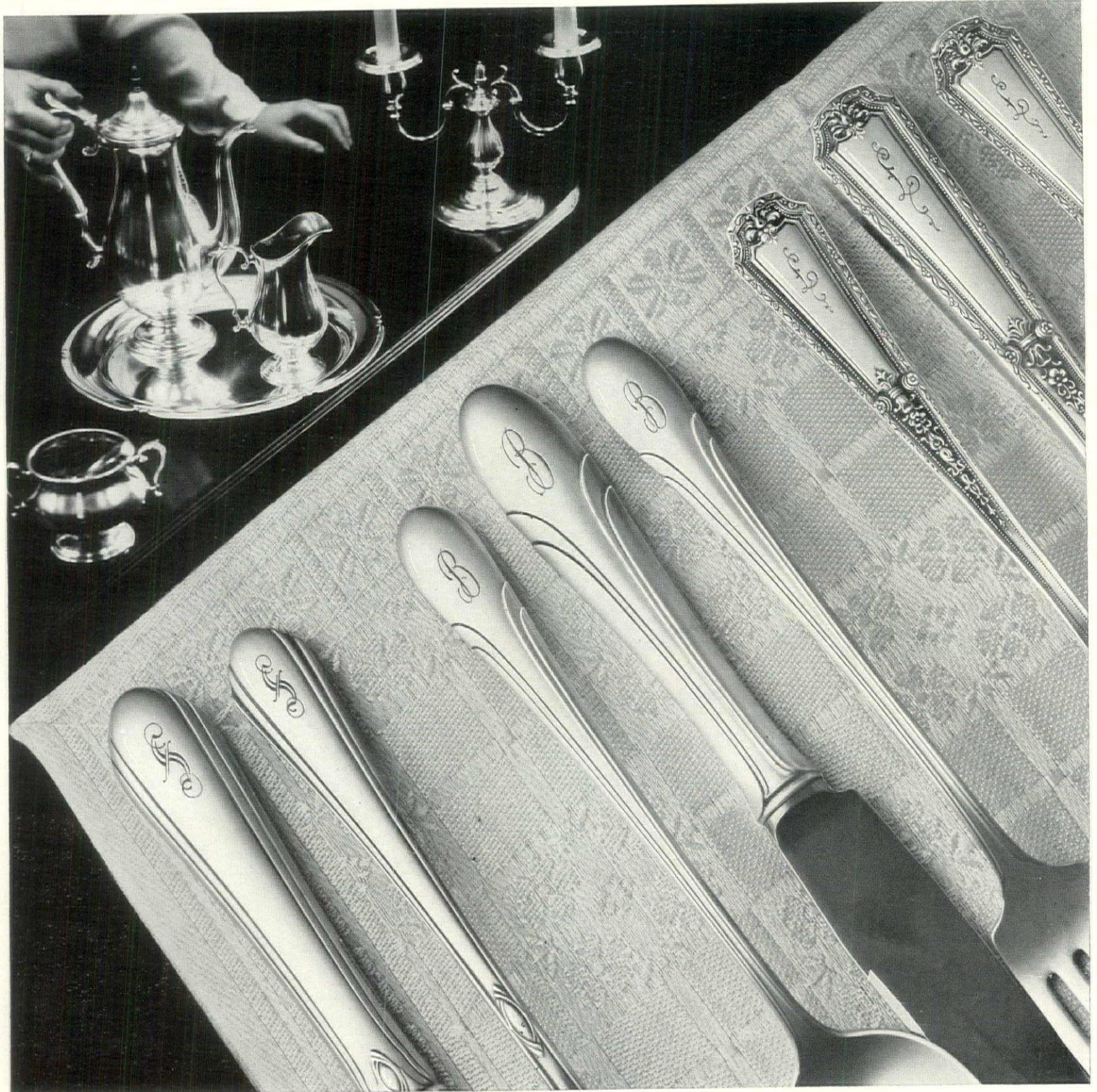
**EXHIBITED** in our spacious well-lighted Galleries, collections are arranged by our expert decorators to bring out the possibilities of individual pieces and groups, crystallizing schemes of decorating, and finally

**SOLD** under conditions of free and open competition to the highest bidders, in an environment of comfort and refinement.

*Pre-sale exhibitions are, of course, free and open to the public and extend usually during the week before the auction sale. Approximate valuations of pieces as a guide to bidding may be had from our Gallery staff members without obligation. THE AMERICAN-ANDERSON NEWS published monthly October-May will keep you in touch with our current exhibitions and sales, and will be sent free on request.*

## AMERICAN ART ASSOCIATION-ANDERSON GALLERIES · INC

30 EAST FIFTY-SEVENTH STREET · NEW YORK



*The Symphony After Dinner Coffee Service*

*Lady Diana*

*The New Symphony*

*Louis XIV*

**SEE THESE PATTERNS IN YOUR OWN HOME BEFORE YOU DECIDE**

*Ask your jeweler for them, or send to us for a private "Bride's Pre-view Showing"*

YOU only choose your silver pattern once in a lifetime. Be sure to see the style and sparkling beauty of these Sterling patterns on your own linens. Handle the knife and fork, as well as the spoon, for only then can you know their comfortable, well-balanced feeling in the hand. Each design harmonizes pleasingly with the linens and table appointments of today.

How can we describe to you the flawless finish which characterizes TOWLE Sterling. Our craftsmen only achieve it by precise methods and unusual care. We are very proud of it. If this seems egotistical, or "just advertising," please don't take our word for it. Ask a good jeweler, one who knows his Sterling.

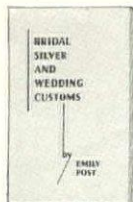
He will tell you, too, that we are the largest silversmiths who make Sterling only—with craft traditions back to 1690.

TOWLE patterns have an exclusive style and fine workmanship *which is built up to a standard, not down to a price!* Yet Lady Diana and Louis XIV are priced 20% to 25% lower than two years ago, and the very new SYMPHONY is priced the lowest of any new TOWLE pattern in the last sixteen years.

Again we urge you — see these patterns in your own home. Let the silver speak for itself, as it will have to for all the years you are going to use it on your table. TOWLE patterns are open stock. You can add to your set for many, many years.

**THE TOWLE SILVERSMITHS**

**NEWBURYPORT, MASSACHUSETTS**



DEPT. HG-3: I enclose \$1.50 for a "BRIDE'S PRE-VIEW SHOWING." I understand that this includes Emily Post's "BRIDAL SILVER AND WEDDING CUSTOMS," on the newer wedding conventions, a folder of engravings and prices, and a teaspoon in the \_\_\_\_\_ pattern, engraved with my initial \_\_\_\_\_, in the style checked at right.

*M*  Script      *M*  Old English      *M*  Modern

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 My jeweler is \_\_\_\_\_

# EASTER à la SCHRAFFT'S

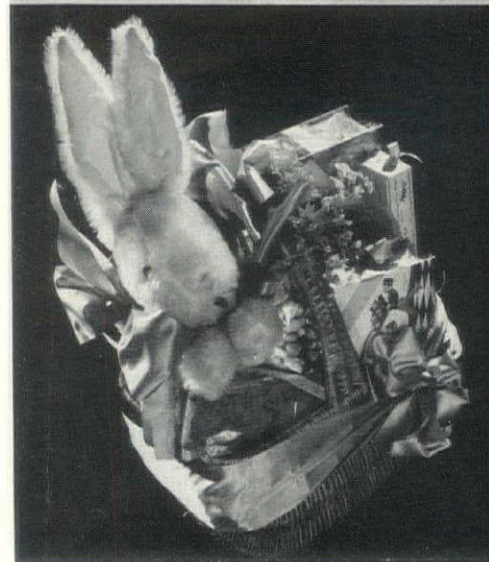
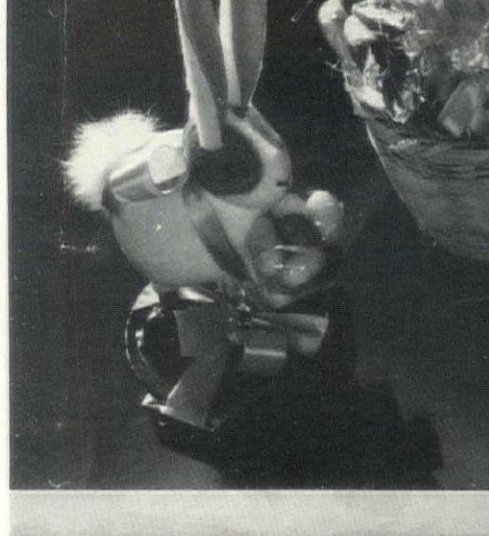
● One look and you lose your heart. Two looks and your mouth waters. Three looks . . . *sold!* The coy bunny (*upper left*) carrying sweets, \$2.00. The sun-bonnetted duck, bearing candy, \$2.75. The three jolly eggs, filled with Luxuro Chocolates, reading left to right, are \$5.00, \$3.00, \$4.00.

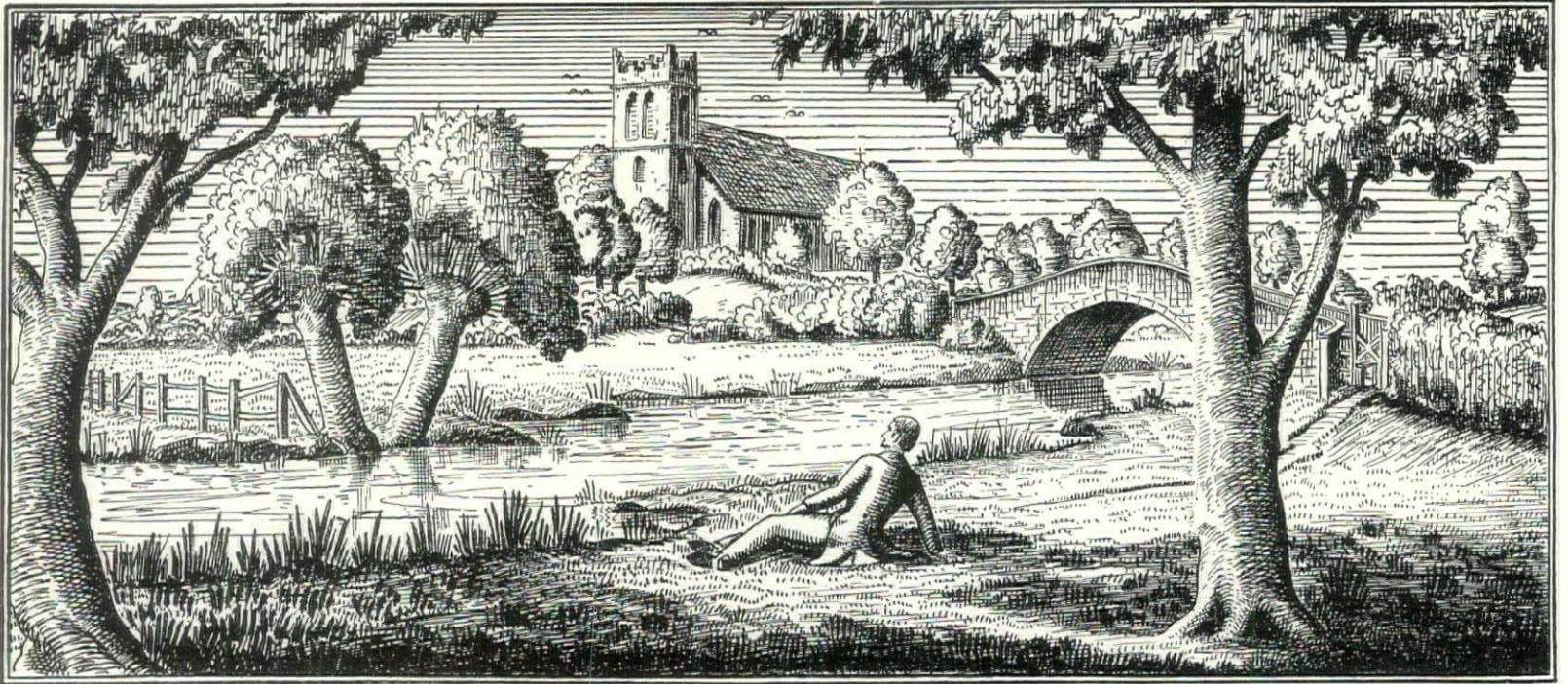
● Below the eggs, a sweet rabbit perched on a large bar of chocolate, 75c. *Center*, an Easter nest with goodies and a bunny, \$2.00. (Others from 40c to \$5.00.)

● Three boxes of candy—perfect for Easter or any other time. The Hard and Chewy Selection, \$1.25 lb. *Open*, Thin Chocolates (dainty thin cream and nut pieces) \$1.00 lb. *Below*, the Gold Chest—a copy of the original Mazarin Chest in the Louvre—filled with finest diminutive Luxuro Chocolates (one pound only) \$2.00. Other Schrafft's candies and chocolates from 60c to \$2.00 the pound.

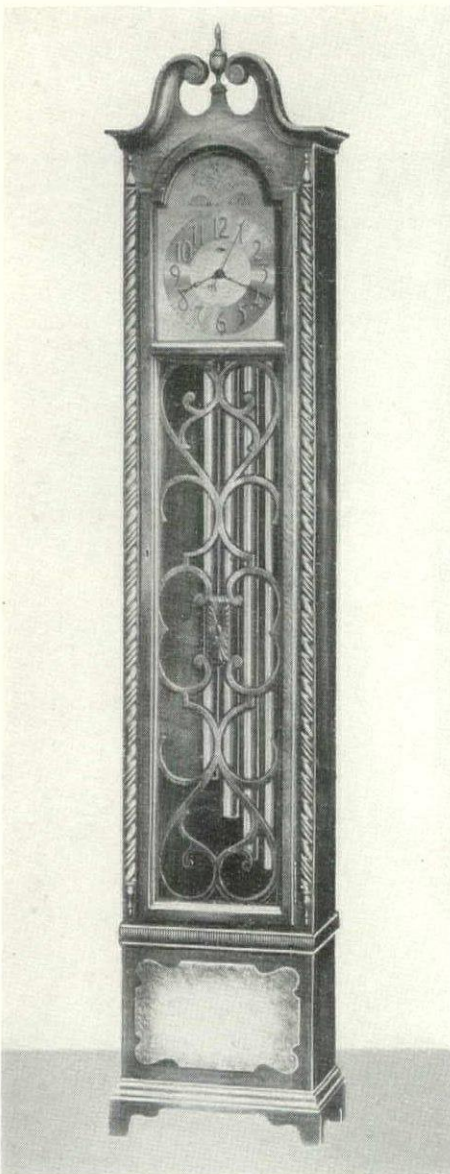
● The Gift Basket, brimming with delectable Easter sweets in bewildering variety, \$15.00. Others from \$5.00 to \$25.00.

● All these can be ordered at the Schrafft's stores in New York, Boston, and Syracuse. Mail orders should be sent to Schrafft's, 556 Fifth Avenue, New York.





## Their chimes bring you melodies from the singing spires of the old world



MIDLAND — Case of finest Honduras mahogany in Georgian design. 74 inches tall. Deep-toned Westminster chimes. \$175.

ALMOST any tower in the old world has a set of soft-toned bells. Day after day, they mark the hours with music. And listening men find fresh content.

From all of these, Revere has chosen the three most lovely melodies — Westminster, Canterbury, Whittington — and placed them in fine clocks for your home. Their soft, rich resonance sounds every quarter-hour and strikes the hour as well. The cases that enclose them are wrought of choice woods — mahogany, rosewood, satinwood, ebony—in authentic period designs. Their friendly faces show moon-phases or quaint engravings, besides the time.

And it is *true* time, for every clock contains a tiny Telechron motor that runs silently, accurately on regulated current from your electric outlet. You never need wind it or regulate it.

Strike-and-chime models range in price from \$22.75 to \$650 — silent models as low as \$5.50. Dealers are listed under “Telechron” in the classified telephone directory.

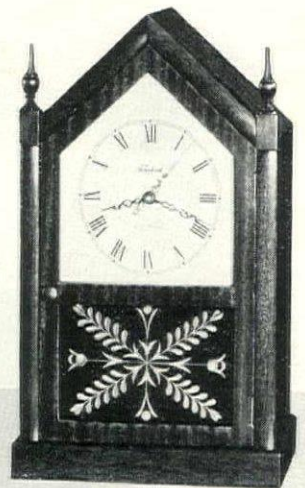
WARREN TELECHRON CO., ASHLAND, MASS.  
THE REVERE CLOCK CO., CINCINNATI, OHIO

# Telechron

Reg. U. S. Pat. Off. by Warren Telechron Co.



TELALARM — Non-tarnishing case. Pleasant alarm, \$8.50. With illuminated dial, \$9.95. In ivory, green, blue or orchid, \$9.95.



R-818 — Mahogany case, with decorated glass door. Early-American design, 15 inches high. Westminster chimes. \$48.



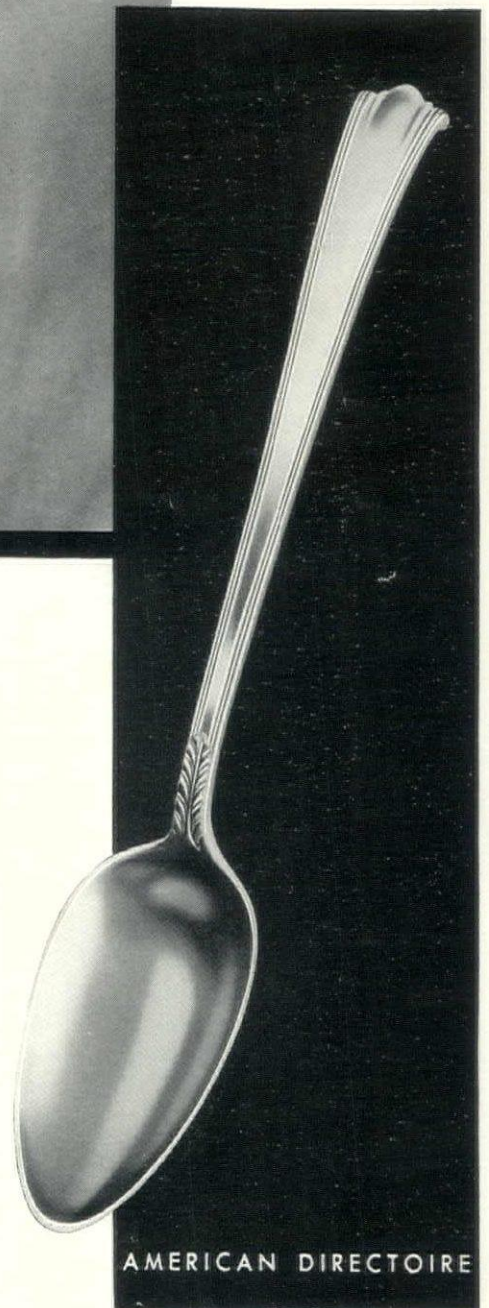
*Beauty that Eternally Endures*

Smooth grace and a certain suave sophistication mark the modern manner—in clothes, in people, in decoration. In silverware, AMERICAN DIRECTOIRE has captured this spirit. This design has the classic simplicity which is perennial—the dash which is essentially today. And, like all TREASURE solid silver, it has the quality of genuineness which sensitive people value—the beauty which becomes more precious as it grows more familiar. And, through all the shifting standards of taste and times, Sterling remains Sterling—one of the better things of life that eternally endures. There is a jeweler near you to show you this lovely new pattern. Write us for his name and your copy of "The Modern Way to Choose Your Silver". Address Dept. B-7.

**"Treasure"  
Solid Silver**

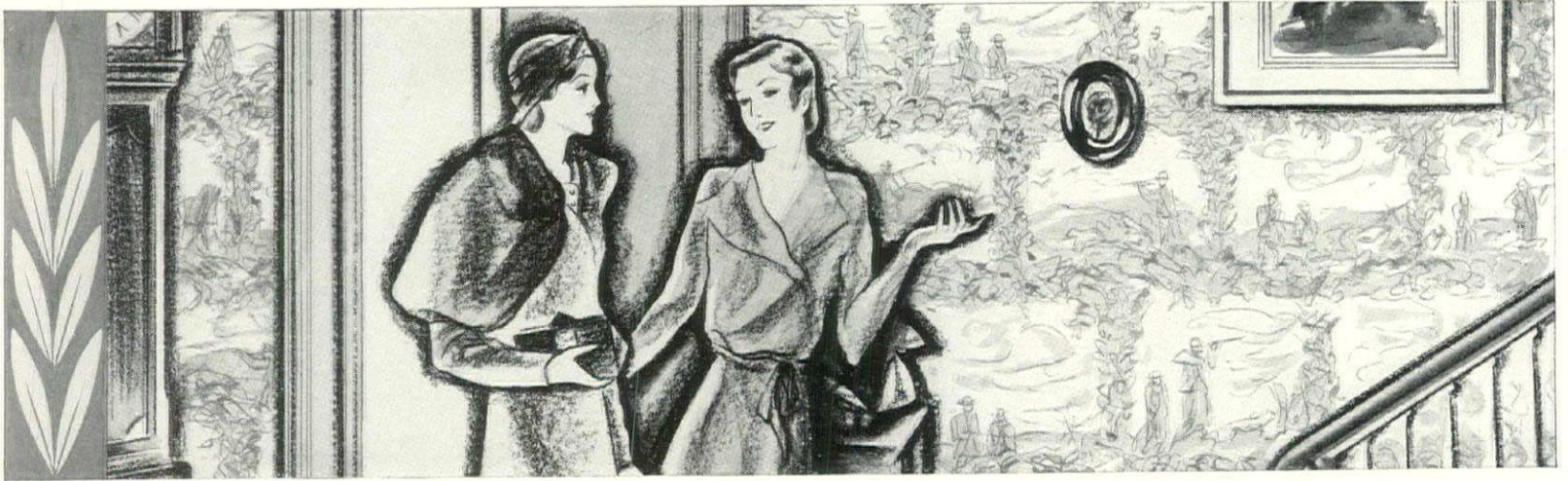


STERLING 925/1000 FINE



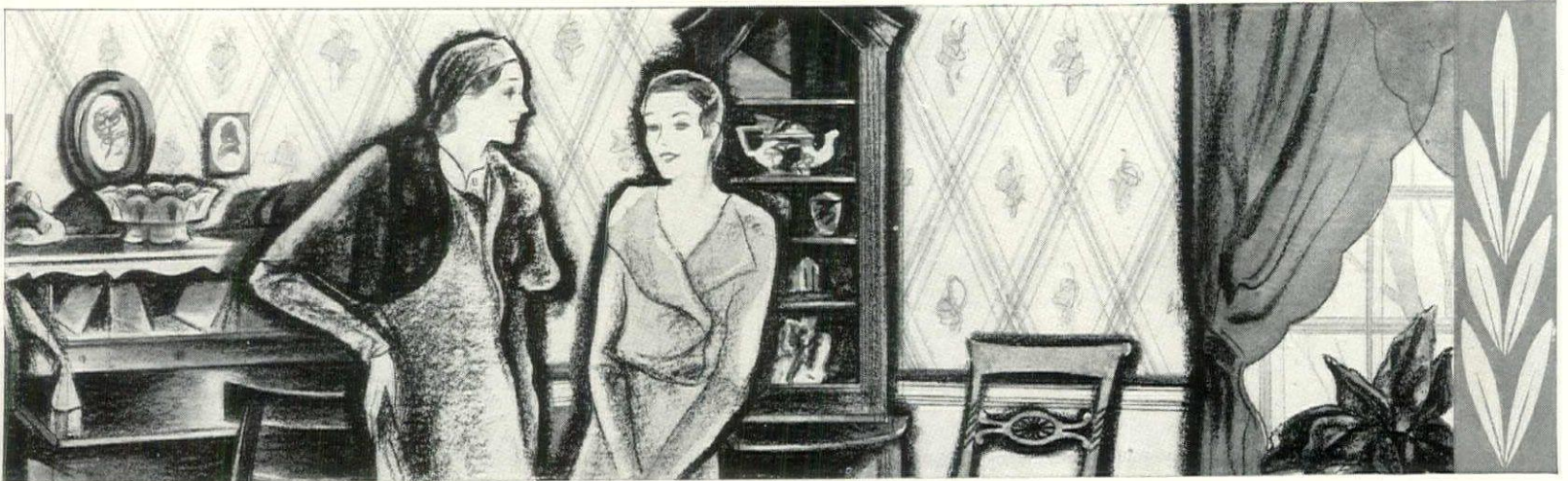
AMERICAN DIRECTOIRE

ROGERS, LUNT & BOWLEN CO. • Silversmiths • GREENFIELD, MASS.



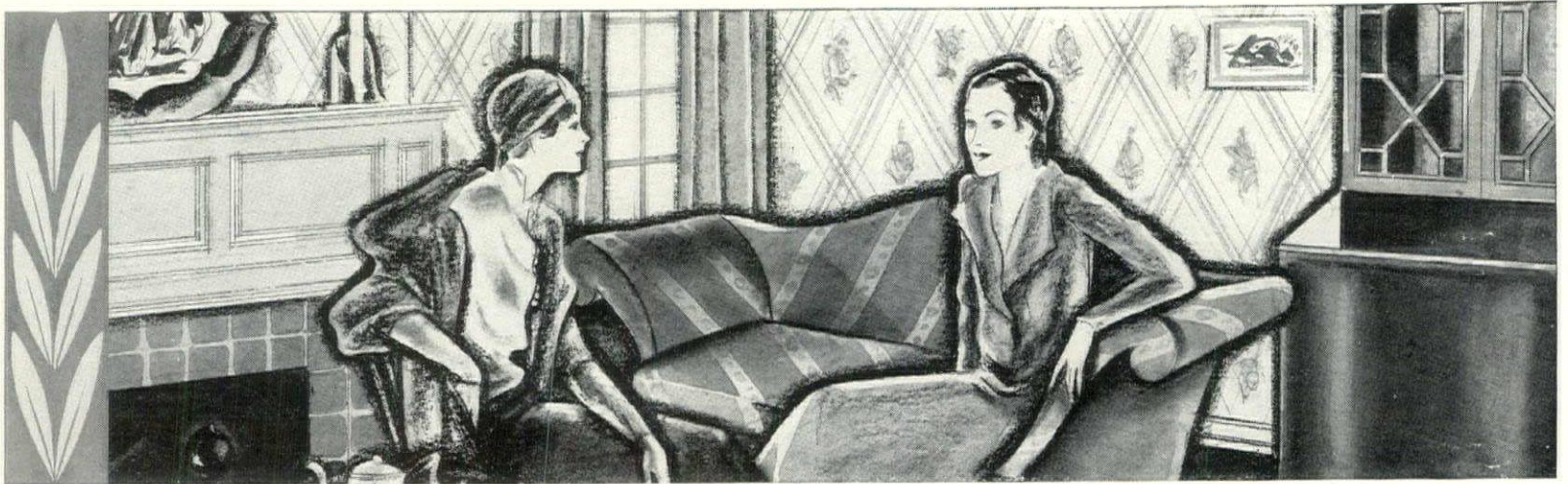
BAB: But Mary! How *stunning* this room looks! Have you been spending precious money on new furnishings?

MARY: No—look again—it's just the walls.



BAB: So that's it! Wallpaper! But where did you get such a darling pattern?

MARY: It's from Thibaut's . . . you *must* see their sample book . . . their new designs are *really* beautiful!



BAB: It looks awfully expensive . . . was it?

MARY: Sh! Not a word . . . that's the biggest thrill of all . . . the wallpaper for the whole room only cost me \$9.50!

Drop in at any Thibaut shop and see the largest collection of wallpapers in the world . . . authentic period patterns of Colonial America, old French and English designs and creations of living artists. The new 1932 wallpapers are lovelier than ever. Many of the choicest are those of modest price. Ask your decorator to show

you his samples. Or, if you prefer, we shall be glad to loan you our special sample collection, at no charge . . . you merely hand the postman who delivers it \$1, which is refunded when you return the book.

Write to Richard E. Thibaut, Inc., Dept. K1, 24 West 40th Street, New York City.

# THIBAUT

WALLPAPER AND DECORATIVE FABRICS

NEW YORK • BOSTON • NEWARK • BROOKLYN • BRONX • NEW HAVEN • UTICA • BUFFALO



# New 160 H. P. TWELVE

## \$1345

Our aim for this new Twelve is, to enable owners to enjoy a performance combining speed, power, smoothness and economy, the like of which they have never experienced. And—to make it available at a price that will force a complete revision of standards for comparison of values. Dual-Ratio gives the equivalent of two axles in one. It takes the “compromise” out of automobiles. You shift gears the same as now. Turn a lever on the instrument panel to Low. This gives pep for lightning acceleration and power for sailing up hills. Turn the lever to High. This gives speed with smoothness and economy—with less vibration and noise—with minimized wear and tear for driving on level roads, on the boulevard, or in the country. We promise you this performance will amaze you.

DUAL-RATIO in Custom “Twelves” and “Eights”

# AUBURN

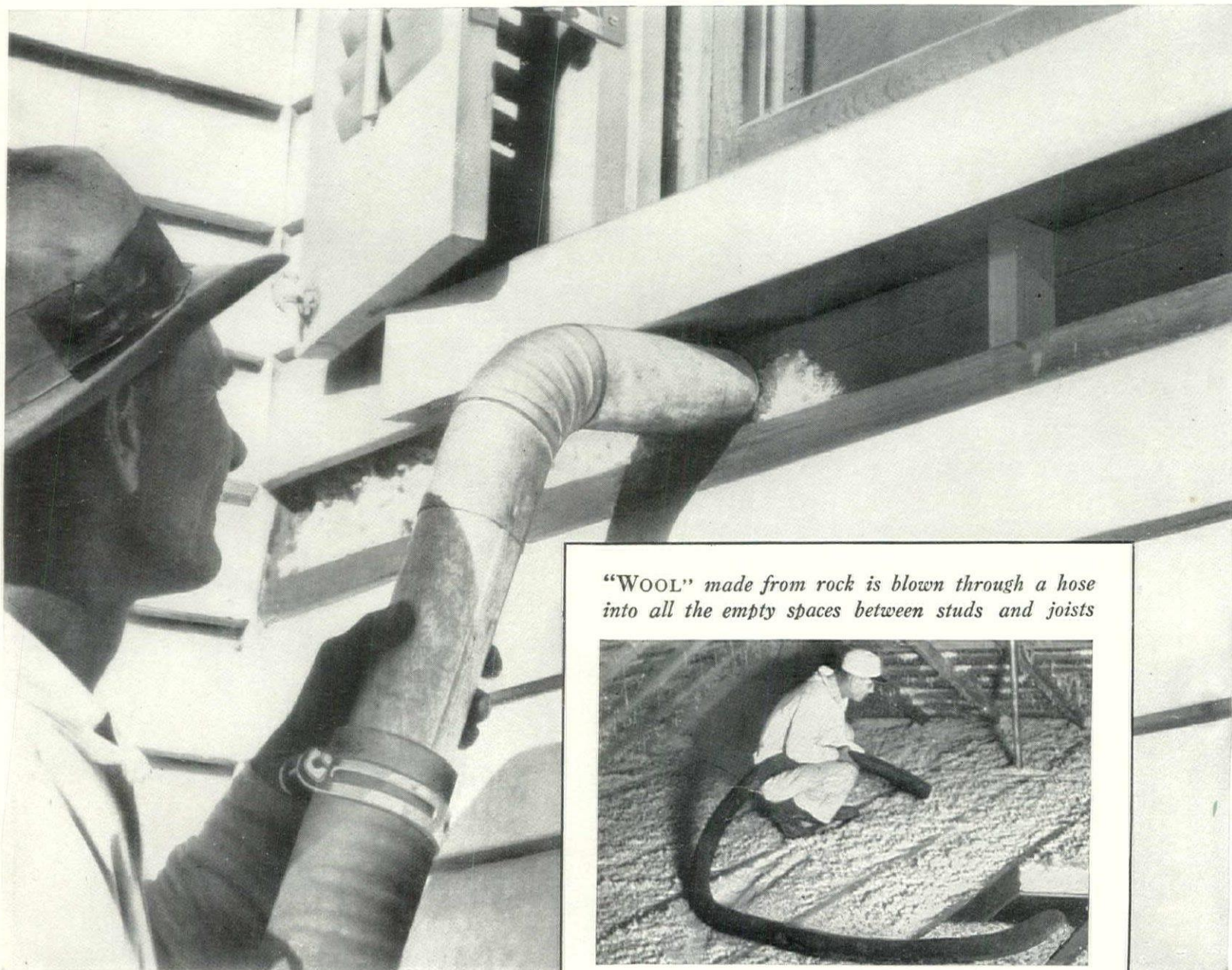
POWERED BY LYCOMING

Auburn also offers improved Straight Eight models

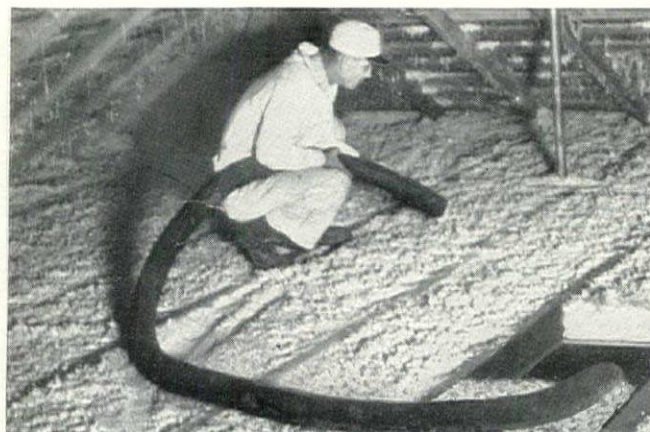
AUBURN AUTOMOBILE COMPANY, Auburn, Indiana. Division of Cord Corporation

Standard Models 12-160: Business Coupe \$1345; 5-passenger 2-door Brougham \$1395; 4-door Full Sedan \$1445; Convertible Cabriolet \$1495; Convertible Phaeton Sedan \$1595; Speedster \$1595. Custom Models 12-160A: Business Coupe \$1545; 5-passenger 2-door Brougham \$1595; 4-door Full Sedan \$1645; Convertible Cabriolet \$1695; Convertible Phaeton Sedan \$1795; Speedster \$1795. Prices f. o. b. Auburn, Indiana. Standard Models 8-100: Business Coupe \$845; 5-passenger 2-door Brougham \$895; 4-door Full Sedan \$945; Convertible Cabriolet \$995; Convertible Phaeton Sedan \$1095; Speedster \$1095; 7-passenger Sedan \$1145. Custom Models 8-100A: Business Coupe \$1045; 5-passenger 2-door Brougham \$1095; 4-door Full Sedan \$1145; Convertible Cabriolet \$1195; Convertible Phaeton Sedan \$1295; Speedster \$1295; 7-passenger Sedan \$1345. Prices f. o. b. Connersville, Indiana. Equipment other than standard, all models, at extra cost. All prices subject to change without notice.

# REVOLUTIONARY



"WOOL" made from rock is blown through a hose into all the empty spaces between studs and joists



## Hundreds of Enthusiastic Letters like these come from Home owners—

### 37% less for fuel

"I am very well satisfied with the insulation work done by your company.

"Comparing the month of March with the same period last year, I found that there was a reduction of 37% in the cost of heating. I also found that during the hot months of last summer the house was much cooler than it had ever been previously." Anna J. Peterson, Chicago, Ill.

### Warm as toast in winter

"The insulation job you did is certainly wonderful. The two large third-floor rooms are now as warm as toast with the insufficient radiation that had previously made them useless in winter. The comfort of the whole house is undoubtedly improved by the elimination of drafts and there has been a substantial saving of fuel."

Frank R. Hubachek, Glencoe, Ill.

### Third floor cool in hot weather

"The third floor, while it has full-height ceilings in the two rooms and a large hall and bathroom, has always been very hot and could not be used by my family for days at a time during the hot weather in summer. This has been overcome since the insulation has been put in, and the third floor is now as comfortable as the other floors." C. T. Ozmun, Evanston, Ill.

### Summer comfort, winter comfort

"Heretofore our upstairs rooms have been so hot in summertime that they were unbearable. This past summer, with the insulation above the ceilings in the attic, the rooms were remarkably comfortable. While we have not had much cold weather this year, the difference in the temperature of the upstairs rooms this winter so

far has been very marked. There has been an even temperature in these upstairs rooms about equal to that of the downstairs rooms, which never occurred before."

Wm. D. Kyser, Memphis, Tenn.

### Best investment ever made

"In mailing you the check for the installation you did on our house, I want to say that we feel that we have received more solid comfort and satisfaction from this investment than any we have ever made.

"It is not the saving in fuel alone, but the comfort of having the house the same temperature in every room under all weather conditions."

Mrs. H. B. Kinnard, Des Moines, Iowa

### Heating plant reduced 50%

"I am very glad to say that our two years'

occupancy have amply verified all of the claims you made for the heat, cold and sound insulating qualities of this material.

"Because of this thick insulation, my house heating plant was reduced by nearly 50% in size, and yet it has easily kept the indoor temperature uniform at all times, regardless of the wind velocity and temperature outside. It is indeed a pleasure to endorse this most efficient heat and cold insulation."

Loring L. Marshall, Boston, Mass.

### Worked wonders

"The Johns-Manville insulation certainly worked wonders on those hot days this past summer. Personally I feel that it is money well spent and my only regret is that I did not have this installation made at the time the house was built."

Walter L. Leach, Homeland, Md.



# Johns-Manville

**NEW METHOD OF**

# Banishing Winter Cold and Summer Heat

**WINS NATION-WIDE APPROVAL**

Thick blanket of "wool" made from rock—*blown* within walls of old or new houses in a few hours, without disturbance... Fuel savings average 30%

**P**ERFECTED by Johns-Manville as a result of pioneer work in efficiently insulating great industrial plants

—installed and proved in thousands of homes during the last 4 years

—A new method of making houses practically cold-proof and heat-proof is creating a sensation wherever it is tried.

Rooms that are drafty and cold in winter—rooms that are stifling hot in summer—become uniformly comfortable.

Fuel savings average 30%.

Yet the method is so simple that it takes only a few hours to put into effect—so obviously *right* that it takes only a few moments to understand and be convinced.

**Comfort blown through a hose**

Practically all houses have hollow walls. Circulation of air *within* these walls chills the house in winter, heats it in summer. Comfort is lost, fuel wasted.

Attic floors are equally, if not more, to blame. The attic becomes oven-hot in summer, refrigerator-cold in winter—and this heat or cold readily penetrates through the door into rooms below.

Yet the 4- to 6-inch air space within the walls and attic floor—the real cause of heat-and-cold trouble—is easy of access. Why not fill it up?

That's what Johns-Manville does in a few hours—blowing the material through a hose. In your present house, without entering the living rooms or disturbing the occupants. Or in the house you are building.

**"Wool" made from melted rock**

Johns-Manville uses "wool" made from melted rock—long, fine fibres, light in weight and wool-like in appearance. These woolly fibres, matted together, imprison thousands of dead-air cells to the cubic inch—an effective barrier against heat and cold.

Every cubic inch of space within your outside walls and attic floor is filled with this material. A 4- to 6-inch blanket around and over *all* your living rooms!

This is the one investment you can make in your home which starts paying for itself the moment it is put in, and continues to pay long after the original cost has been refunded

—as long as the house stands! Owners report fuel savings as high as 50%. The average is about 30%.

**Rooms 8° to 15° cooler in summer**

On an average, rooms in homes treated the Johns-Manville way are 8 to 15 degrees cooler than outside temperature on the hottest summer days. Those stifling sleeping rooms, with their stored-up daytime heat, become refreshingly cool... Texas and Georgia are among the states where Johns-Manville Home Insulation has been most widely installed, for summer comfort alone.

All through the hot-summer area of the North and Mid-West, it is bought as much for relief in summer as for comfort in winter.

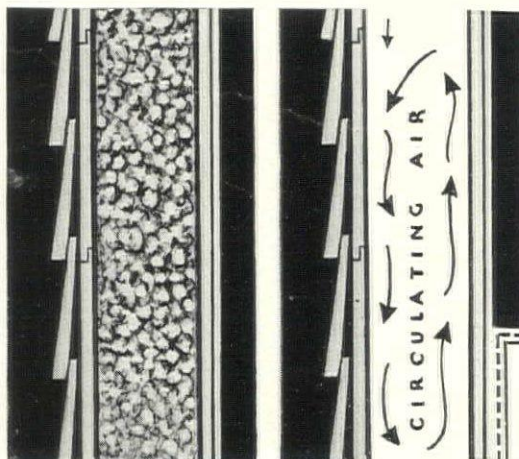
**Fireproof... Vermin-proof**

Rock wool cannot burn. It is an effective fire stop in the flue-like spaces within walls. Mt. Vernon, the home of Washington, and other national shrines have been treated with J-M Home Insulation for this reason alone.

Vermin cannot live in rock wool.

**WRITE FOR FREE BOOKLET**

The coupon below will bring you a booklet which describes J-M Home Insulation more fully. We will gladly send with it the name of the nearest J-M Home Insulation contractor. *No obligation.* Time payments can readily be arranged.



"Wool" from rock—blown into spaces—forms an invisible wall, *within* your walls, 4-6 in. thick.

Air circulating through hollow walls chills your house in winter, heats it in summer.

JOHNS-MANVILLE  
41st St. & Madison Ave., New York City

Please send the booklet, "Now we blow year-round comfort into your home," and the name of the nearest J-M Home Insulation contractor.

Name \_\_\_\_\_

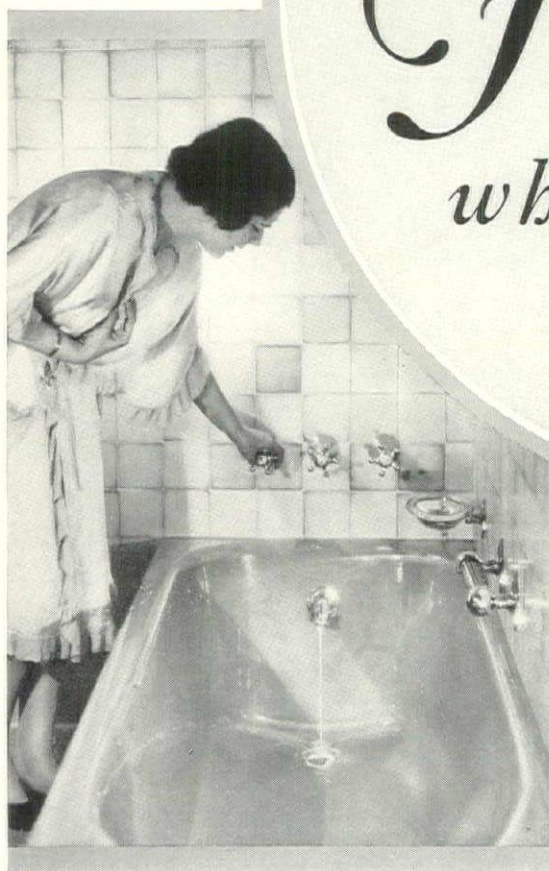
Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

H G I-3

# Home Insulation

Look *to the*  
 Future  
*when you build  
 or buy*



A TRICKLING FLOW of rust-colored water is not only unpleasant but is an indication that the pipe is rusting. In time the pipe will have to be replaced at great expense. Anaconda Brass Pipe, because it cannot rust, assures a full, free flow of crystal clear water at all times.



IT IS ALWAYS provoking when the water supply fails—usually because of a rusted tank. Storage tanks of Copper or Everdur (strengthened copper) provide lasting service.

WHAT IT WILL COST to keep a house in good repair is a question to which far-sighted people seek the answer before investing in a home. Those who have owned homes know how troublesome and expensive short-lived metal work can be... and how completely copper, brass and bronze eliminate this annoyance and expense.

Rust is a major cause of upkeep expense in the home. It makes its appearance all too soon when metals that rust are used for water pipes, sheet metal work, screen wire, etc. While it is true that the first cost of copper, brass and bronze is slightly higher than that of rustable metals, it is likewise true that they will save their extra cost many times over in freedom from the expense of repairs and replacements.



# ANACONDA COPPER

THE INSIDE of this pipe is so badly clogged with rust that replacement is necessary. Anaconda Brass Pipe, which cannot rust, eliminates such expense.



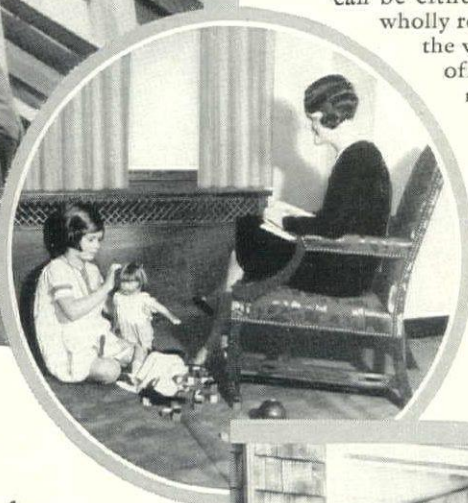
FLASHINGS AND VALLEYS made of rustable metal will soon leak. Damaged interiors are the result. When made of Anaconda Copper (99.9% pure) you can be certain they will not rust.



THE OWNER OF THIS HOUSE took a chance on gutters made of rustable metal. In less than seven years rust had destroyed their usefulness. Gutters of Anaconda Copper are now being installed.



A NEW TYPE OF RADIATOR—smaller and more efficient—made of Anaconda Copper. It can be either partly or wholly recessed into the wall, and set off by grilles made of Anaconda Bronze.



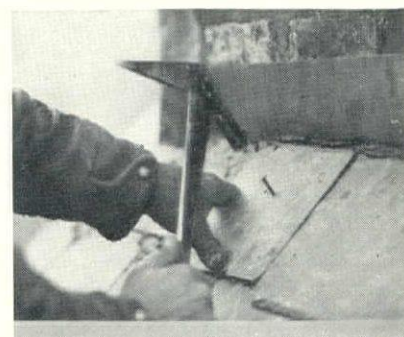
Anaconda Copper, Brass and Bronze are produced by methods developed in the course of a century's manufacturing experience. Every step in the production of Anaconda metals for building purposes is controlled by the same high standards developed in supplying copper and copper-alloys of unvarying dependability to the rigid specifications of industry.

For your protection, Anaconda Brass Pipe is stamped every foot with the word "Anaconda." Every sheet of Anaconda Copper is trade-marked... and you will find this mark retained on the gutters, rain-pipes and elbows made by leading sheet metal fabricators.

Valuable information on the advantages of Anaconda metals is given in the illustrated booklet, "Copper, Brass and Bronze in the Home." Write for a free copy. The American Brass Company, Waterbury, Conn.



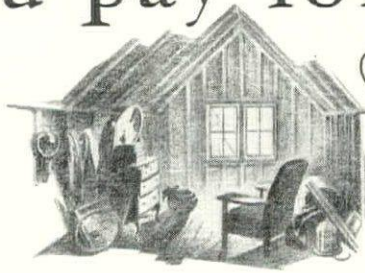
SCREENS made of Anaconda Bronze Wire cost but little more than screens that rust. They can be obtained with wood or bronze frames, also roller type.



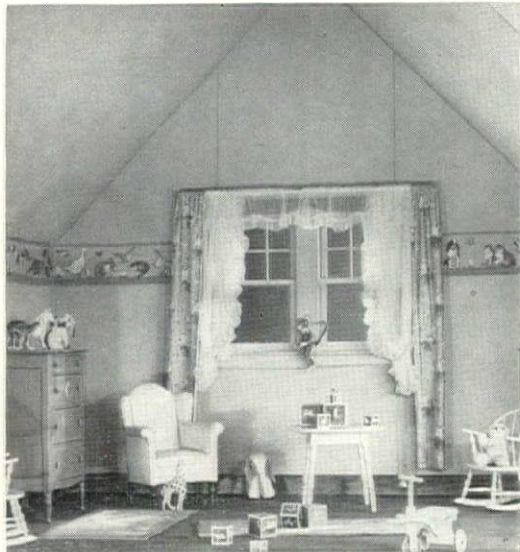
COPPER NAILS save money. Rustable nails cause loosened shingles... leaks... replacement expense.

# AND BRASS *Can't Rust*

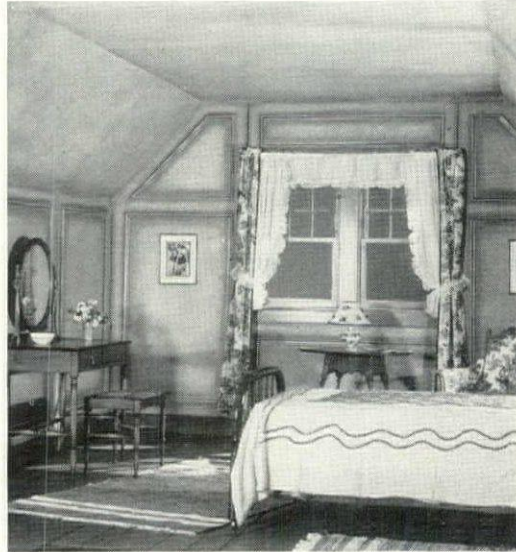
# You pay for attic space . . . .



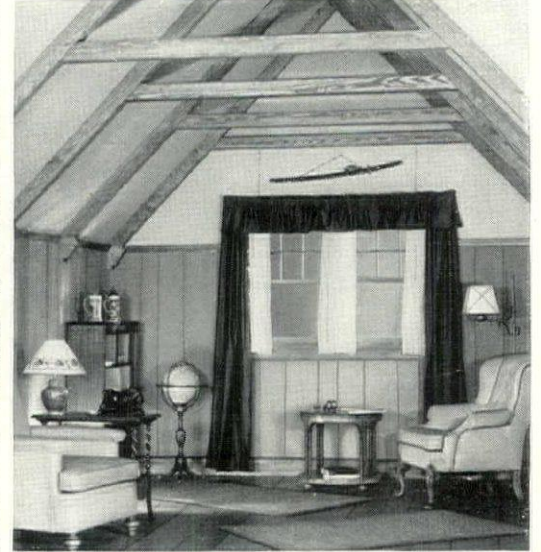
# Why not use it?



ATTIC SPACE NOW CHILDREN'S PLAYROOM



AN ADDITIONAL BEDROOM OF GREAT CHARM



FOR THE MAN OF THE HOUSE

*In thousands of homes Celotex has transformed unused attic space into useful and attractive rooms, as pictured here. Often the Celotex used to gain the extra room cost less than fifty dollars*

Let **CELOTEX** turn a loss into a profit . . Give you an extra room . . a more comfortable home . . Far *lower fuel bills* in new homes or old

In new homes or old, you pay a good round price for attic space. Why not make good use of it? It is the mission of Celotex Insulation to convert this space into rooms comfortably useful and livable in summer and winter alike.

Celotex Insulation makes this investment in space profitable by converting barn-like cold in winter, and bake-oven heat in summer, into comfortable living temperatures and thereby increases the value of your property.

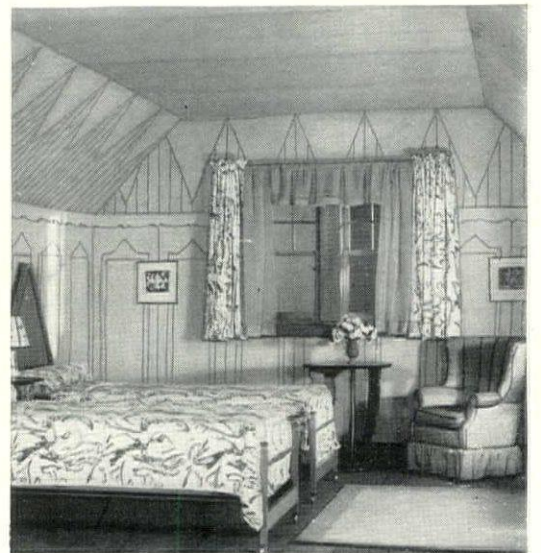
You may need an extra room or two for a

growing family. How much better, how much more economical, to build them of Celotex insulating cane board right in the present attic.

Better, first, because Celotex Insulation gives to such rooms and the entire house, a greatly improved temperature control.

More economical, because Celotex combines structural strength with insulation. Its own cost is low, and it is quickly and easily applied.

When applied under the roof rafters, it becomes a powerful heat shield between your



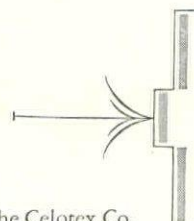
EXTRA BEDROOM FOR GUESTS

home and the blazing sun of summer.

In winter it conserves and holds the costly heat, which otherwise leaks out to all creation. Fuel bills are reduced as much as 20 to 30 percent.

Use Celotex for insulation, whether you build or remodel. People who build new homes this spring will not lack for information about correct insulation, for every architect, builder or contractor knows Celotex. Before committing yourself on new jobs or old consult them, or your Celotex dealer.

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INSULATING CANE BOARD



The word Celotex (Reg. U. S. Pat. Off.) is the trademark of and indicates manufacture by The Celotex Co.

THE CELOTEX COMPANY H. G. -3-32  
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Gentlemen: Please send me your newest booklet, "Celotex Cane Fibre Insulation."  
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JULIAN LEVI, President of the Architectural League, and member of Taylor & Levi, architects.

“Its Salem Roof is in perfect harmony with the house itself...” JULIAN LEVI



IT is now possible to achieve a perfect balance between house and roof no matter what style or period is concerned. This can be accomplished with a Salem Roof.

Developed under the supervision of a prominent architect, Salem Shingles are authentic in design and texture. In addition, they have the soft, weather-beaten beauty of shingles aged by years.

Made of asbestos fibres and Portland cement combined under pressure, Salem Shingles are fire-proof and everlasting. They may be had in soft grays and greens, warm reds and browns.

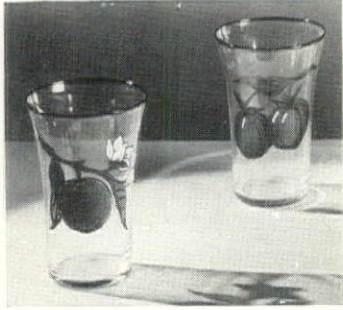
Your own architect will assist you in selecting the Salem Roof for your house—or write to Architectural Service, Johns-Manville, 41st Street and Madison Avenue, New York City.

Johns-Manville *Salem* Roofs



# DIRECTORY OF DECORATION AND FINE ARTS

## gay glasses for non-toppers

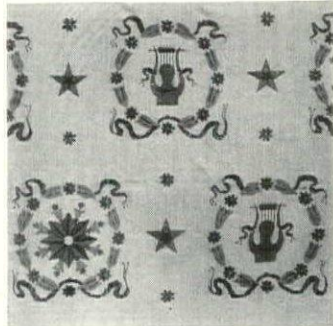


for those who indulge in orange-juice or tomato-juice, here are charming glasses, just the right size, graceful in shape, of excellent crystal with tomatoes or oranges in natural tones, hand-painted in enamel colors. 9.00 dozen.

at fine shops or direct write for leaflets

**pitt petri, importer**  
 incorporated  
 waldorf-astoria, new york city  
 378 delaware ave. buffalo, n. y.

■ Last month the Directory presented a group of seven accessories for Federal rooms. Another authentic feature for this type setting is the Franklin stove at the right—a “modern convenience” of the first American citizens. On these chilly Spring evenings this bit of black cast iron sheds comfortable warmth. Brass finials are decorative notes. 31½ inches tall; 23 inches wide. \$30. Andirons \$15. Edwin Jackson, 175 East 60th St., New York City



■ The star and the lyre, favorite motifs in 18th and early 19th Century American decoration, charmingly combine in the new linen shown at the left. In yellow with blue, or the patriotic, ever smart, red, white and blue, this fabric is especially good for summer—fresh and cool-looking while retaining the dignity so essential to Federal decoration. Hand-blocked; 50 inches wide. \$7.50 per yard. The Chintz Shop, 443 Madison Ave., New York

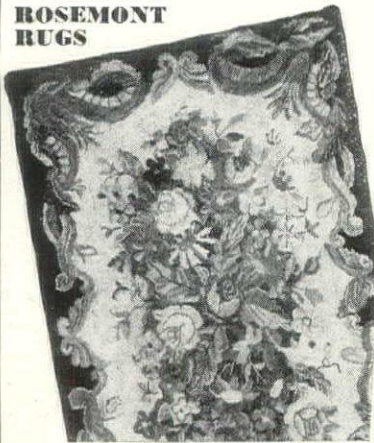
## Early American Wallpapers



Send for 16 x 20" portfolio "E" of 100 actual wall-papers, reproductions of authentic Early American designs, including latest discoveries of rare and unusual patterns. Select your papers from this unique portfolio "E", loaned to you for a deposit of \$1, which will be refunded upon return of book. On reverse side of each page is a historical description of the design and price per roll.

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Also Hand-Tied Canopies, Valances, Hand Bags, etc.

Write for free illustrated booklets giving descriptions of old designs.

**LAURA H. G. COPENHAVER**  
 Marion, Virginia

■ In the small Early American hall-way, an effective substitute for the familiar lantern-type lighting fixture with glass or mica exterior is this simple, hooded, electric candle. Two kinds of metal are used in its construction—wrought iron for the base and monel metal for the peaked and fluted top. The height is 11¾ inches; the diameter, 6¼ inches. Its price is \$12.50. From Ralph Bullard, Grand Central Terminal Building, New York City



■ This charming little pewter sugar and cream set is made by modern craftsmen who employ the painstaking technique of the first American settlers. The design is unusual—conventionalized leaf border winding about the base of sugar bowl and pitcher and two sides of the tray. The surfaces are hand-hammered. Tray, 9 x 8¾ inches; sugar bowl, 2¾ inches tall; pitcher, 5½ inches tall. \$15. Handcraft Studio, 534 Madison Ave., N. Y.



Venetian Well-Head—Height 80 inches  
**GARDEN FURNITURE**

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 30 East 22nd St., New York

## Antique Reproductions and Adaptations

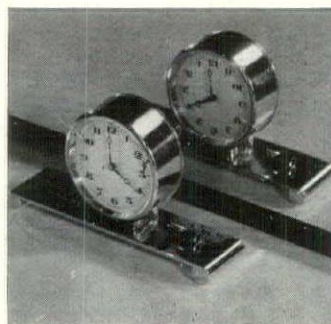
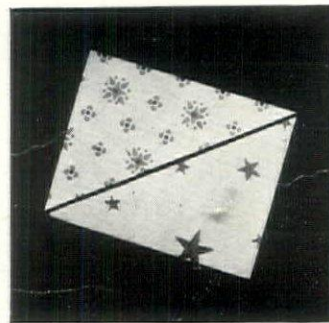


Part of a French provincial bedroom and dining room group in beech. Based on priceless museum pieces. Quaint, graceful forms, beautiful old finish. Photo by Congoleum-Nalrn. Send for book of plates and histories of famous Charlotte groups, many periods many woods.

Charlotte Furn. Co., Charlotte, Mich.  
 I enclose 10 cents. Send book to

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■ Either of the two modern wall-papers illustrated would be interesting backgrounds for Colonial interiors. The all-over pattern at the upper left is charming for a bedroom; in green or rose on cream, white on blue, or blue on pink. The star motif, in gold on pale green, chalky blue, yellow or pink, will create an amusing setting for powder room or entrance hall. 8 yard roll, 75c. John H. Whitwell, 1620 Spruce St., Philadelphia, Pa.



■ This good-looking little time-piece is two-faced only in appearance, for it is quite dependable where minutes and hours are concerned. Some clever person fashioned it to stand between twin beds. Of shiny chromium in a simple, graceful design it stands 3 inches tall, with a 5¾ inch base. Neat numerals adorn the two round, silvery faces. Imported from Germany, this clock costs \$7.50. The New Motif, 128 E. 60th St., New York



## ALL-WEATHER GARDEN AND PATIO FURNITURE

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**“DECORATIVE DOZEN”**

*for Revivifying the Home*

In a special section in the drapery department, B. Altman & Co., Fifth Avenue, New York, presents a dozen charming ways to give your home a new and vivid personality with draperies and accessories of Celanese. To luxurious appearance must be added all the serviceable qualities of Celanese Fabrics. They do not shrink or stretch . . . are unaffected by dampness . . . never mold . . . will not split or crack . . . are entirely free from weighting . . . and retain their rich texture and colors through repeated cleanings.

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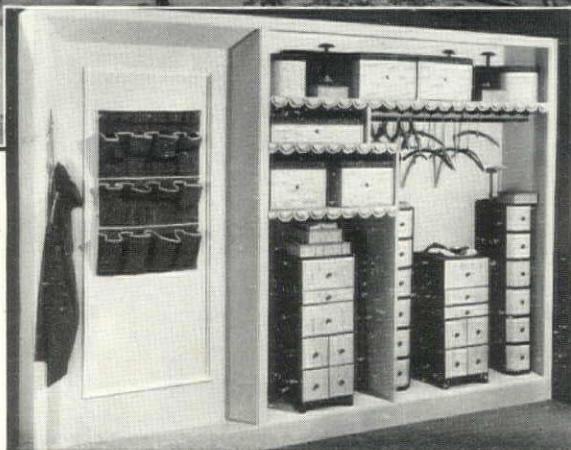


*Top left.* Altman decorators use Londrenese, a Celanese faille taffeta, in turquoise and tea rose, to interpret the luxurious quality of the Directoire setting. Lamp shades are of Celanese Taffeta.

*Bottom left.* A castor shade of Moiranese, piped in nattier blue, covers the chaise longue. Quilted coverlet of blue Clairanese taffeta is ruffled in pink and blue Chifonese. Pillows of Solanese Satin. Lamp shade of Clairanese.

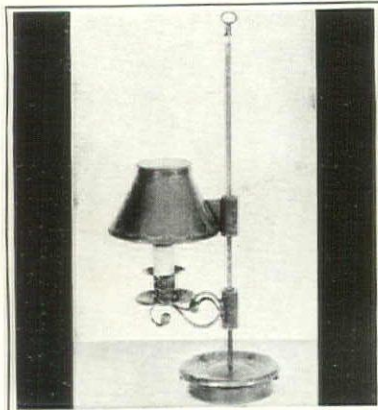
*Top right.* Draperies, dressing table skirt, and bench, are of tea rose Clairanese taffeta, piped in turquoise, with ruffles of Chifonese in champagne color to match glass curtains. The chair wears a slip cover of Moiranese.

*Bottom right.* No skeleton can lurk in this closet, which proudly displays its fittings of beige and marron brown Moiranese—the Celanese Permanent Moire—with occasional boxes in vieux rose.



● Celanese yarns, fabrics and articles are made of synthetic products manufactured exclusively by the Celanese Corporation of America, 180 Madison Avenue, New York.

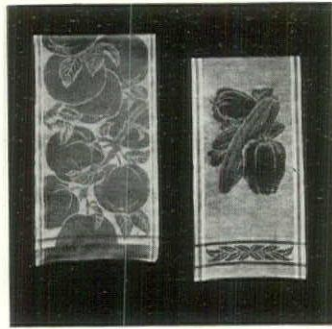
# DIRECTORY OF DECORATION & FINE ARTS



**COLONIAL STUDENT LAMP**  
Exact replica of an early original, hand-wrought, in tôle finish, any color desired: \$25.  
Many other decorative lamps, lanterns and special fixtures are shown in our brochure: "Home Lighting Through the Years." Sent free on request.

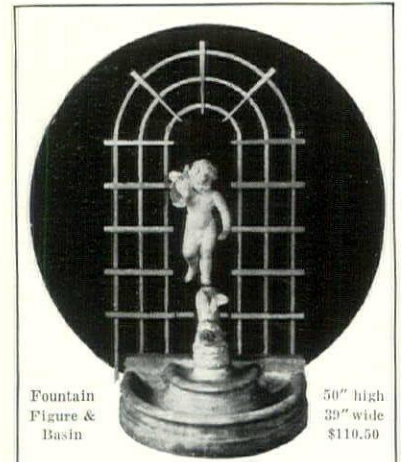
*Sack Incorporated*

85 Charles Street, Boston  
572 Madison Ave., New York



Smart beds wear blanket covers decorated with imposing monograms this year. The one shown is a heavy, durable muslin, without seams. The monogram, a darker shade of the cover color, is appliqued by hand; the hems, hand-whipped. This sort of cover would also make an attractive summer spread. Peach, green, yellow, blue or orchid; monogram to order. 72 x 108 inches. \$6.50. Eleanor Beard, Inc., 519 Madison Ave., New York

Even the humble kitchen towel is beauty-conscious to-day and is appearing in such smart guises as those illustrated. These new designs are made of heavy quality, white linen, with wide center panel in color decorated with fruit and vegetable forms. Each towel measures 22 3/4 x 31 1/2 inches and can be had in green, blue, gold, rose or burgundy red. Price, \$4.75 per dozen. From Maison de Linge, 844 Madison Avenue, New York



Fountain Figure & Basin 50" high 39" wide \$110.50

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Pompeian Stone, Terra Cotta, Marble, Bronze, Lead  
Galloway Terra Cotta on Display  
An illustrated catalogue sent for 10c  
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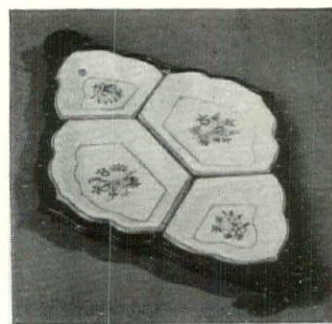
\$12.50  
\$23.00  
The Pair

Designed to Order

Executed with your name, initials or house number.

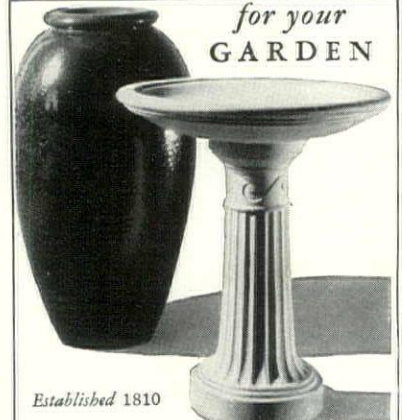
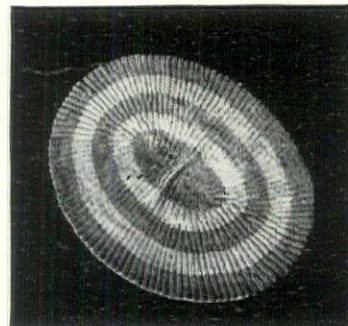
LANTERN above is typical of various authentic pieces expressly designed and executed to order for individual homes. We carry out your own ideas, and design pieces to harmonize with their particular surroundings. Send for specimen pencil sketches of weather vanes, gate signs, fire screens, andirons—and a wide variety of odd pieces in wrought iron, brass, copper and bronze.

**MONTGOMERY FORGE**  
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The four white pottery dishes of the hors d'oeuvre serving tray at the left are amusingly decorated with clusters of fantastic blue, yellow and mauve fruit, and bordered with narrow bands of vivid blue. The tray itself is wood, painted a dark, verdant green, the gracefully carved edge forming handles at either end. The measurements are 25 1/4 x 17 1/4 inches. The price is \$32.50. From the Marlborough Galleries, 2315 Broadway, New York

A very attractive new type of bath mat is made like a candlewick spread with the tuftings placed close together on the muslin background. It may be had in rose, lavender, yellow or green, the pattern consisting of concentric circles in varying shades of the same color. An important point in favor of this practical rug is the ease with which it may be laundered. 33 x 26 inches. Price, \$6.75. Barbara S. Lewald, 16 E. 52nd St., New York



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## EVERY HOME LOVER

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THIS BOOK

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It is a brief, authentic, easy-to-read history of period furniture styles that will acquaint the novice with the origin, designs, and decorative motifs and details found on present day furniture. An absorbing story touching upon the social, political and religious influences of many countries, the lives and influence of the master designers and their works. Contains 154 pages, 30 chapters, with glossary and chronology. Fully illustrated. Handsomely bound and printed. A choice gift. A ready reference for the designer, decorator, and student. Highly endorsed. Fifth edition. Price barely covers production costs.

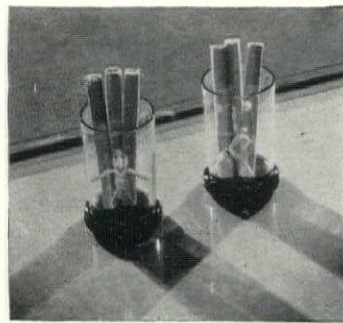
CENTURY FURNITURE CO.  
64-C Logan St., Grand Rapids, Mich.

Brilliant hues of Spring posies grow more vivid against a white background. The tôle flower holder at the right is painted old-white and decorated with a sprig of decalcomania pansies in tones of yellow, orange and blue. Small handles on either side enhance the practical aspect of this attractive accessory, which measures 8 inches long and 5½ inches wide at the top. The price is \$15. From Baphe, Inc., 15 E. 48th St., New York City



From Mexico comes this shining glassware of deep, liquid blue and the pottery dish whose terra cotta surface seems to reflect a tropic sun. A wide, feathery, cream-colored border and a creamy cat with blue stripes decorate the plate. The 13 inch plate costs \$2; the glassware is priced as follows: 6 inch tumbler, 85c; 7 inch plate, 75c; finger bowl or dessert dish, 50c. La Fiesta Indian Trading Post, 38 West 8th St., New York

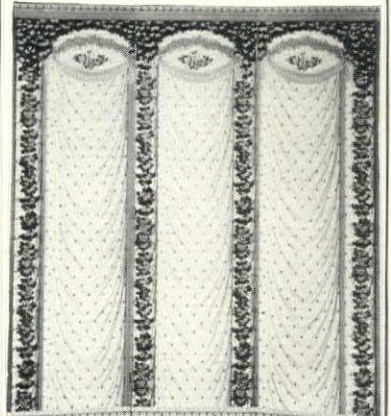
These tiny, individual cigarette holders standing at each place will add an amusing note to a modern table setting. Of Swedish glass with black bases, they are decorated with delicately etched figures engaged in a variety of athletic exercises. In the illustration, a small hurdler ornaments the glass at the left; the other shows a strong man valiantly lifting a pair of weights. Price, \$2, each. From the S. P. R. Galleries, 40 E. 49th St., New York



In gala attire for market day, this small family and their gray donkey would be a bright detail upon a corner whatnot or hanging shelf. The colorful costumes of the Breton peasants are reproduced in these bits of pottery, complete in every detail. Donkey and rider, ¾ inches tall, \$4.50; peasant father and mother, 2½ inches tall, and children, 2 inches in height, \$1.50 each. From F. B. Ackermann, 50 Union Sq., New York

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Directoire screen, grey background with emerald green foliage and dots. Top and bottom borders in brick color; also peach ground. 65.00

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#### Trousseau Linens

\$5.00 each

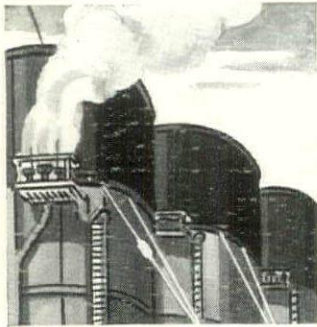
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close attention to detail . . . the instinct for doing things well. It expresses better than any other word the French philosophy of living.

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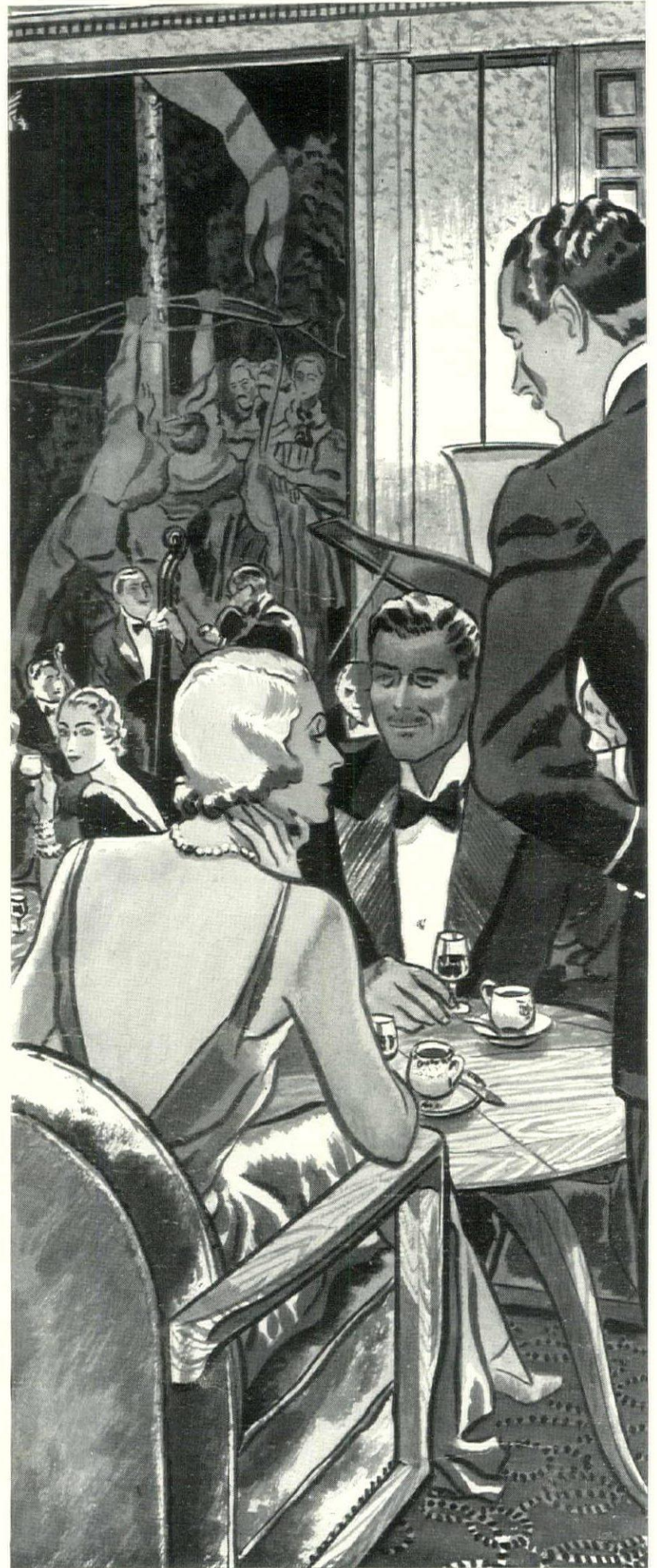
But *soigné* means more than that. It means the scrupulous efficiency which lies at the root of all French Line service. It means long years of training for French Line officers and crews. It means rigid discipline . . . modern equipment . . . constant inspection and drill. In short, it denotes that high level of seamanship which is necessary for perfect comfort and security.

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# CHRYSLER

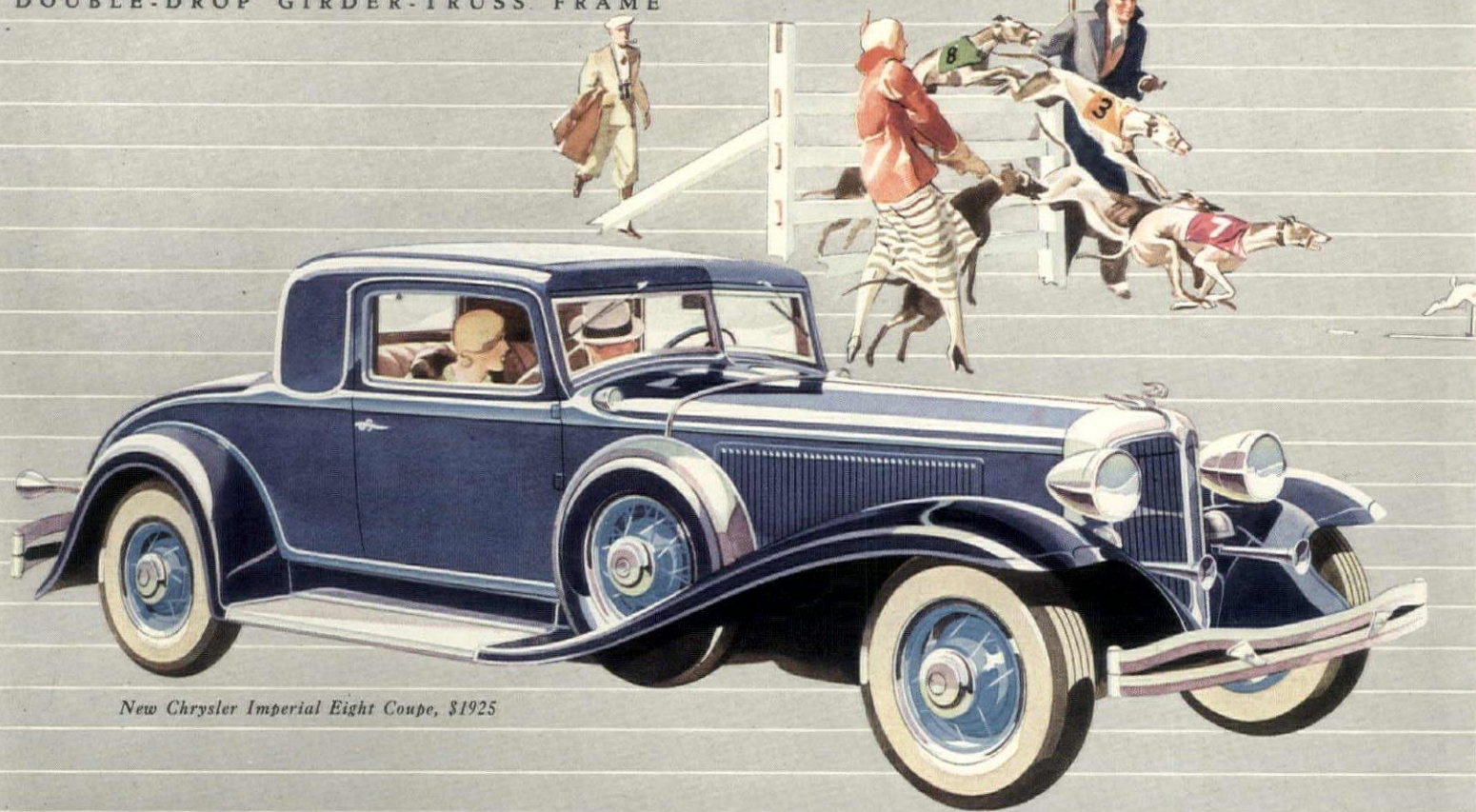
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We invite every motorist who wants the utmost in luxurious travel to drive one of these new Chrysler Imperial Eights and learn the remarkable results of all these new engineering developments.

*A new Chrysler Six, five body models, \$885 to \$935 (Automatic Clutch and Oilite Squeak-Proof Springs on all Sixes at slight extra cost); a new Chrysler Eight, four body models, \$1435 to \$1535; a new Chrysler Imperial Eight, two body models, \$1925 to \$1945; a new Chrysler Imperial Custom Eight, six body models, \$2895 to \$3595. F. O. B. Factory. Duplate Safety Plate Glass obtainable on all models at slight extra cost.*

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Chrysler

NOW CARPET HAS  
A CHANCE FOR

# Self- Expression

FOR YEARS ordinary all-over carpet was known as good to walk on, soft and quiet, but a sort of drab step-sister in interior decoration. More often than not the surface was marred by stitched seams. Unique decorative effects were few and far between; patterns and designs in any way out of the ordinary were usually impractical because of the expense of special weaving. And it seemed nothing would ever be done about it.

Then, all of a sudden, came Collins & Aikman Carpet—and carpet as a plastic medium of decoration definitely *emerged*. Here, for the first time, was carpet that gave freedom to people with decorative imagination—carpet they could use as though it were paint, to get a variety of colorful effects in harmony with the contour and spirit of a room.

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But Collins & Aikman Carpet is more than something that decorative dreams are made of. It is high-quality, practical carpet for you to use in your home. Whether you want it in a personal design or a plain color, you will find it unusually

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You may have a copy promptly by addressing Collins & Aikman Corporation, 25 Madison Avenue, New York City.

*The Seemingly Seamless*

**COLLINS & AIKMAN CARPET**

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A. We do not know the degree of maturity your daughter has reached, but generally speaking, a student derives more benefit from college when a little older than 16 and therefore better able to appreciate its advantages. Some well-known preparatory schools, however, offer special one-year courses designed to bridge just such a gap between high school and college years, with excellent opportunities for tutoring for College Entrance Board Examinations. We believe that a course of this type would be best for your daughter, and we enclose a list of good schools.

Q. It seems to me that the step from the local grade school to the large boarding school is too difficult for my boy of thirteen. What would you advise?

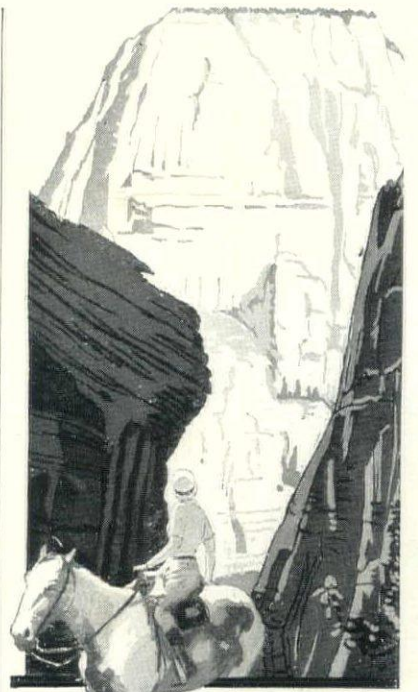
A. The "pre-prep" school was established for the very purpose of helping younger boys to become older boys. This type of school, enrolling boys from seven to fifteen, is organized like a preparatory school and boys are taught to adjust themselves to the studies and discipline they will encounter later in preparatory and college years. While parents frequently shrink from sending their sons away to school at this early age, boys usually like it and nearly always benefit by it. We are enclosing a list of "pre-prep" schools we recommend which will be glad to send literature.

In regard to *your* school problem, you may write to any of the schools advertising here with perfect confidence that your inquiry will receive prompt attention. Or, House & Garden will advise you, without obligation. Address: House & Garden's School Bureau, 1930 Graybar Building, Lexington at 43rd, New York.

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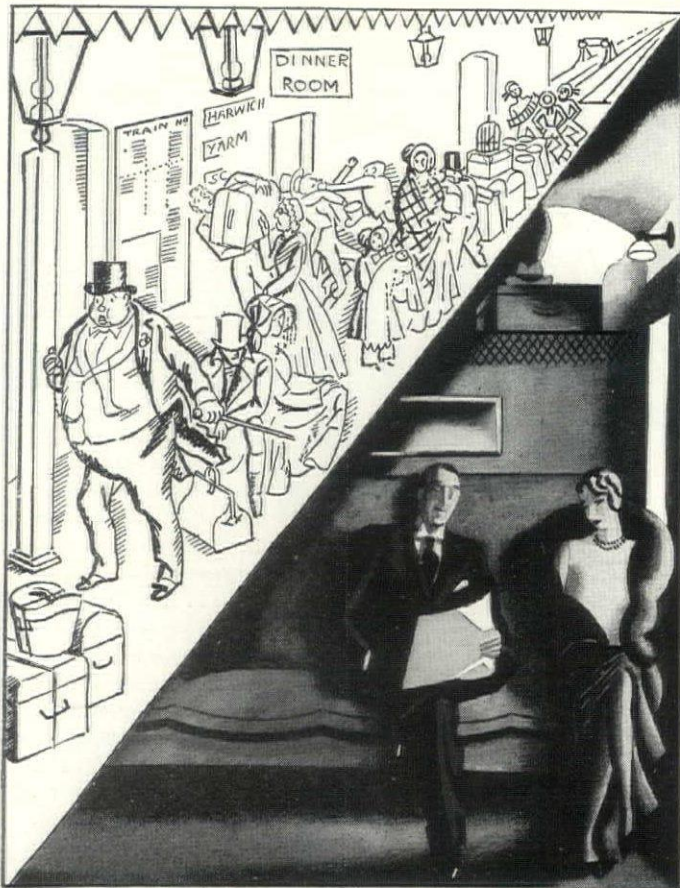
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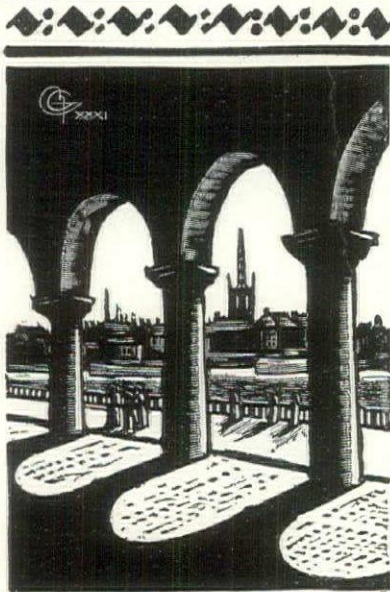
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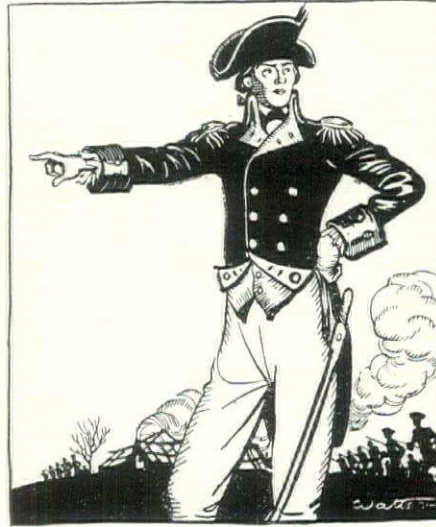
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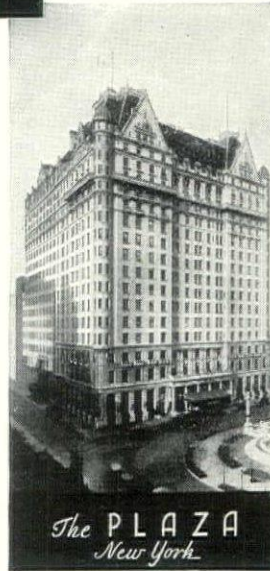
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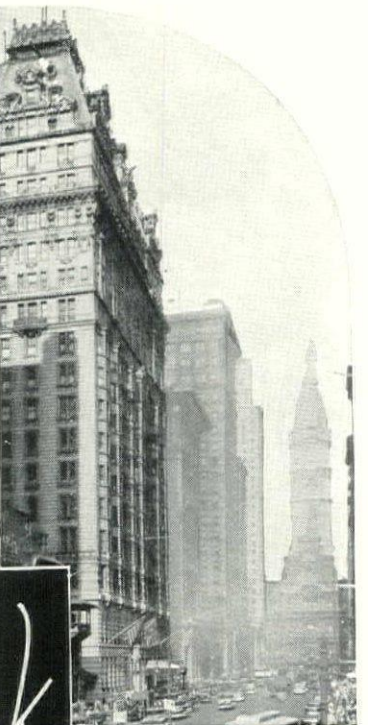
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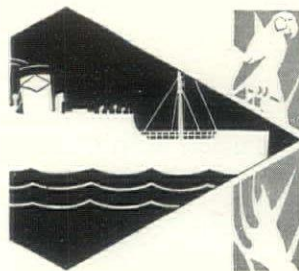
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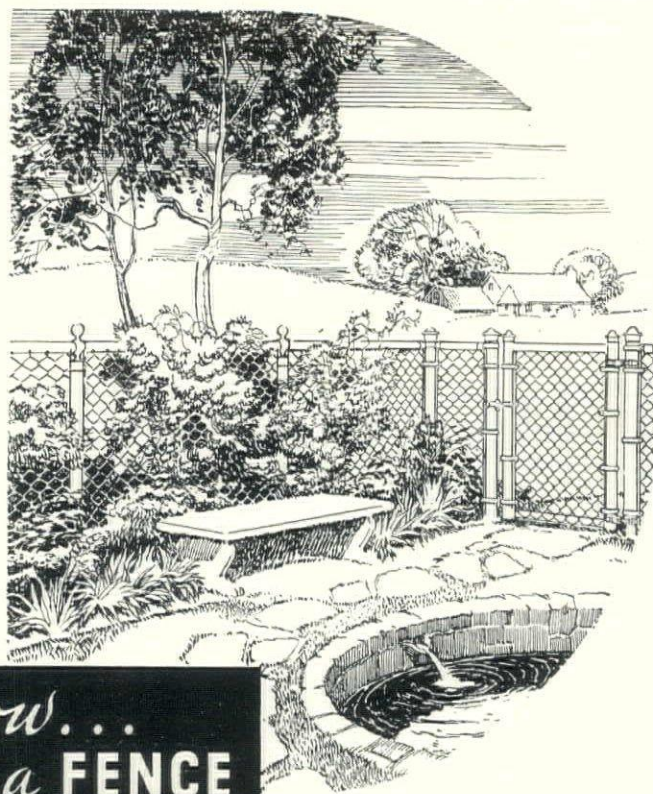
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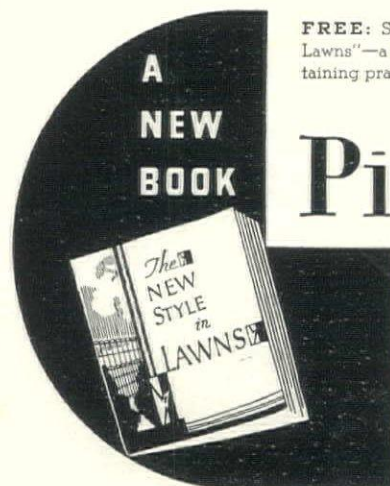
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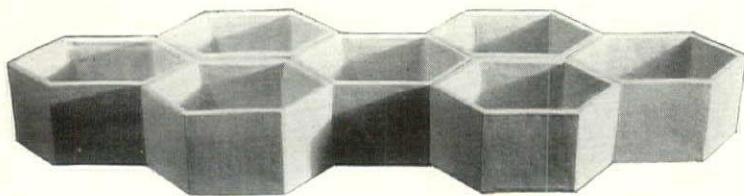
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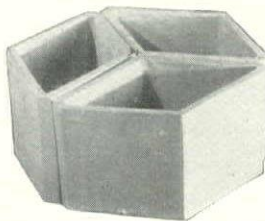
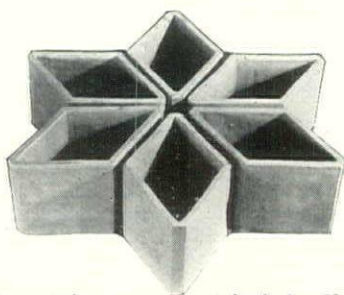
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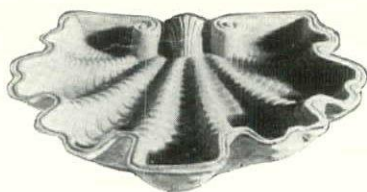
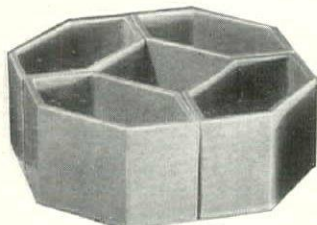
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to interior decoration  
for your entire home



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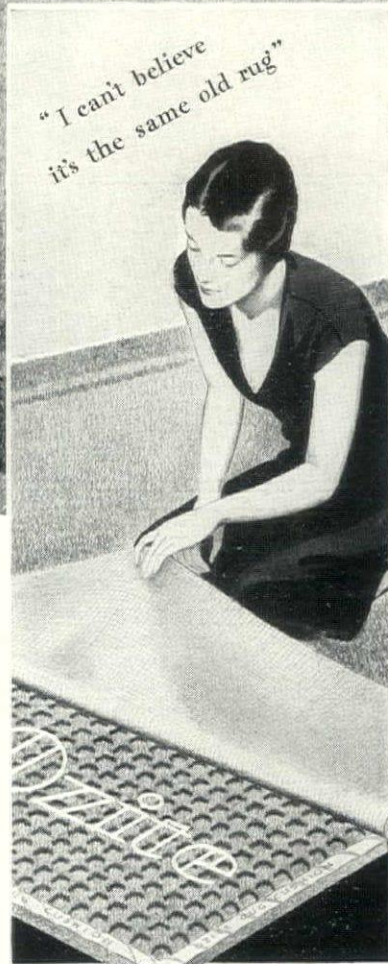
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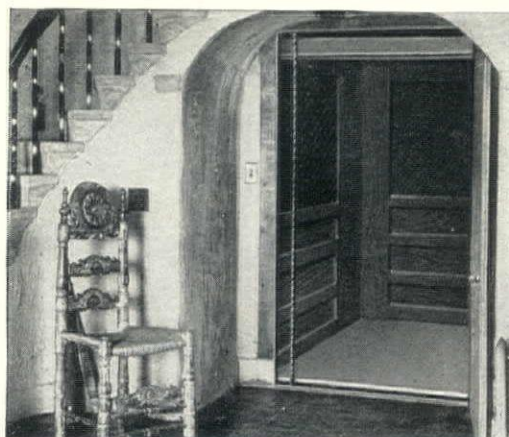
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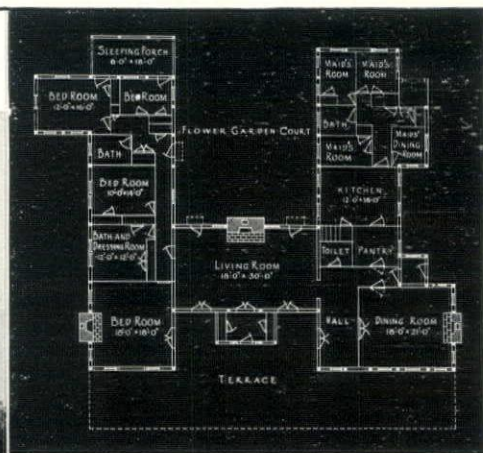
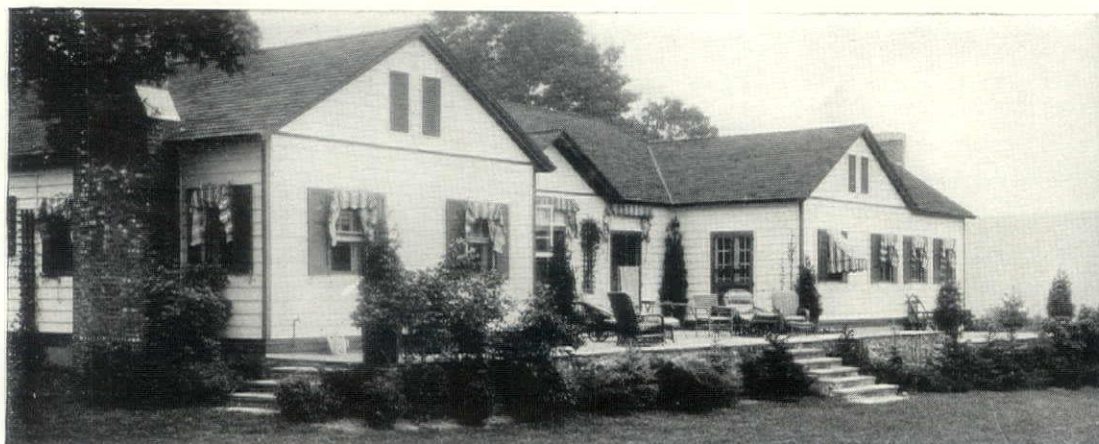
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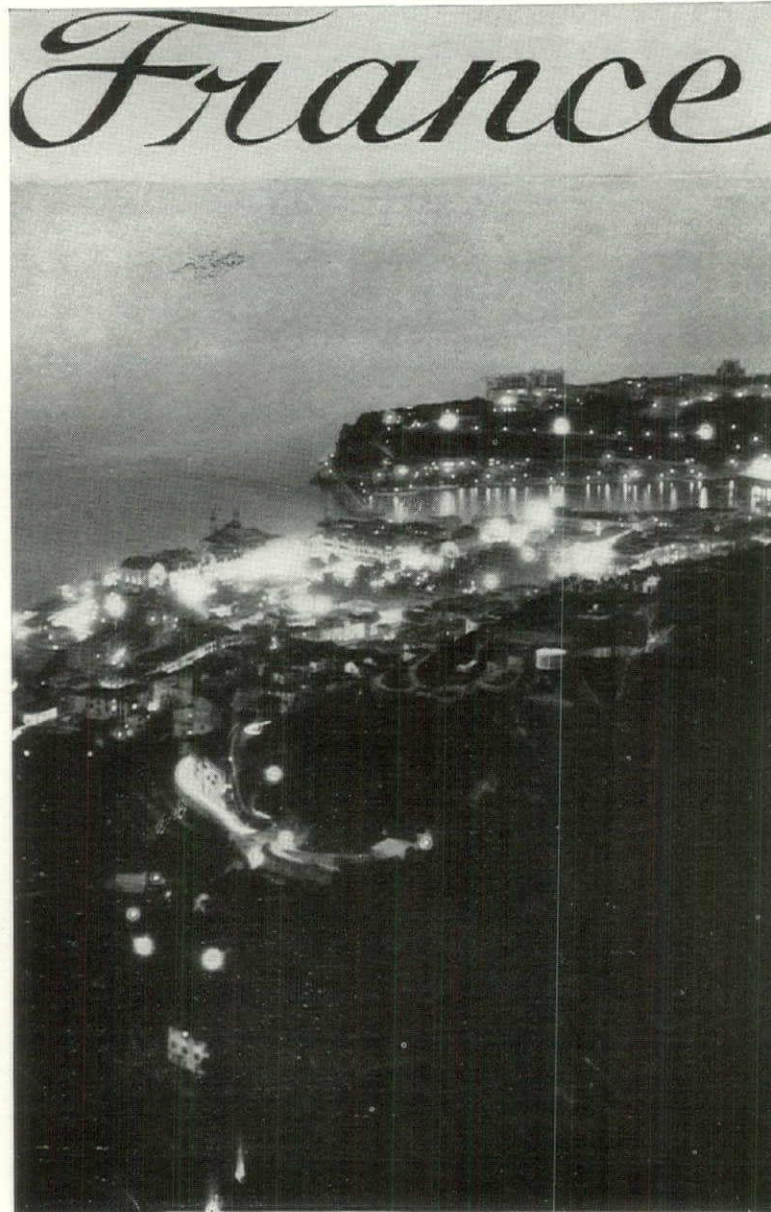
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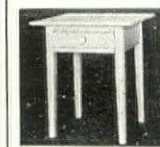
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## READER QUESTIONS AND OUR ANSWERS

• Can you give me a short description of the Cairn Terrier's characteristics, and what points one shall look for in the selection of a Cairn puppy?—Mrs. J. A.

The Cairn Terrier takes its name from working under ground and into the rocky cairns of Scotland. The first Cairn to appear in a show ring was as late as 1909, when the breed was termed "short-haired Skye Terrier." All of the characteristics of the Cairn are deepset. To appreciate him you must own one. His true and best nature unfolds slowly, and only with the passing of time. Once he has been won, he is devoted to those nearest and dearest to him. Politely, but coldly, does a Cairn accept the advances of people yet unknown. He is at his best in the field, being a natural retriever. At home he lays aside his restless activity and is well mannered and quiet. With children he will romp tirelessly. Peaceful by nature, he


measures his treatment of others by the treatment accorded him. He is alert and has a gay and sporting spirit. His combination of good qualities wins and holds his friends.

The points to look for in selecting a puppy of this breed are compactness of body, plenty of bone, a long head with strong jaws, small ears, a hard coat, and a bright, alert expression.

• Recently I have been in communication with several different kennels, apparently reputable, seeking a medium size dog as a house pet and companion for my two children. The prices quoted me, however, seem so unreasonably high that I am about to give up the idea. Can HOUSE & GARDEN, as an impartial observer, tell me why it is that so many dog breeders are apparently profiteering even in these times of depression?—T. T. J.

(Continued on page 28)

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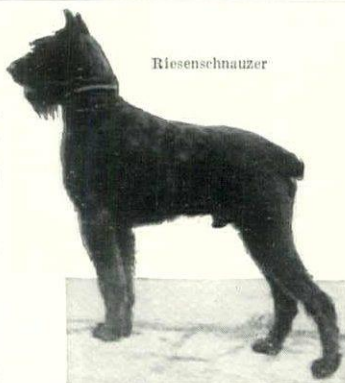
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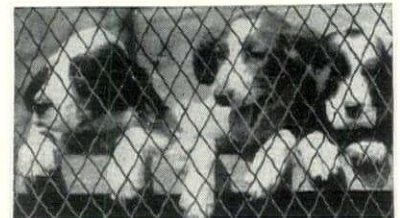
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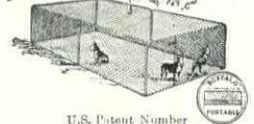
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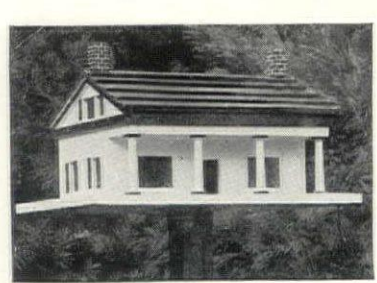
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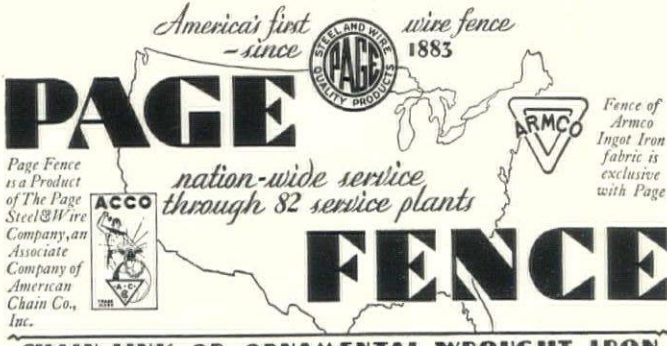
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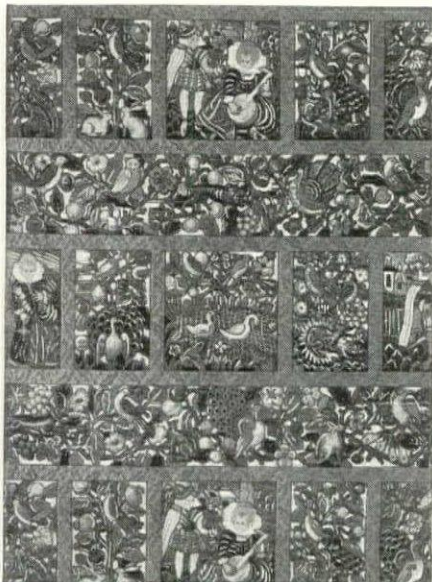
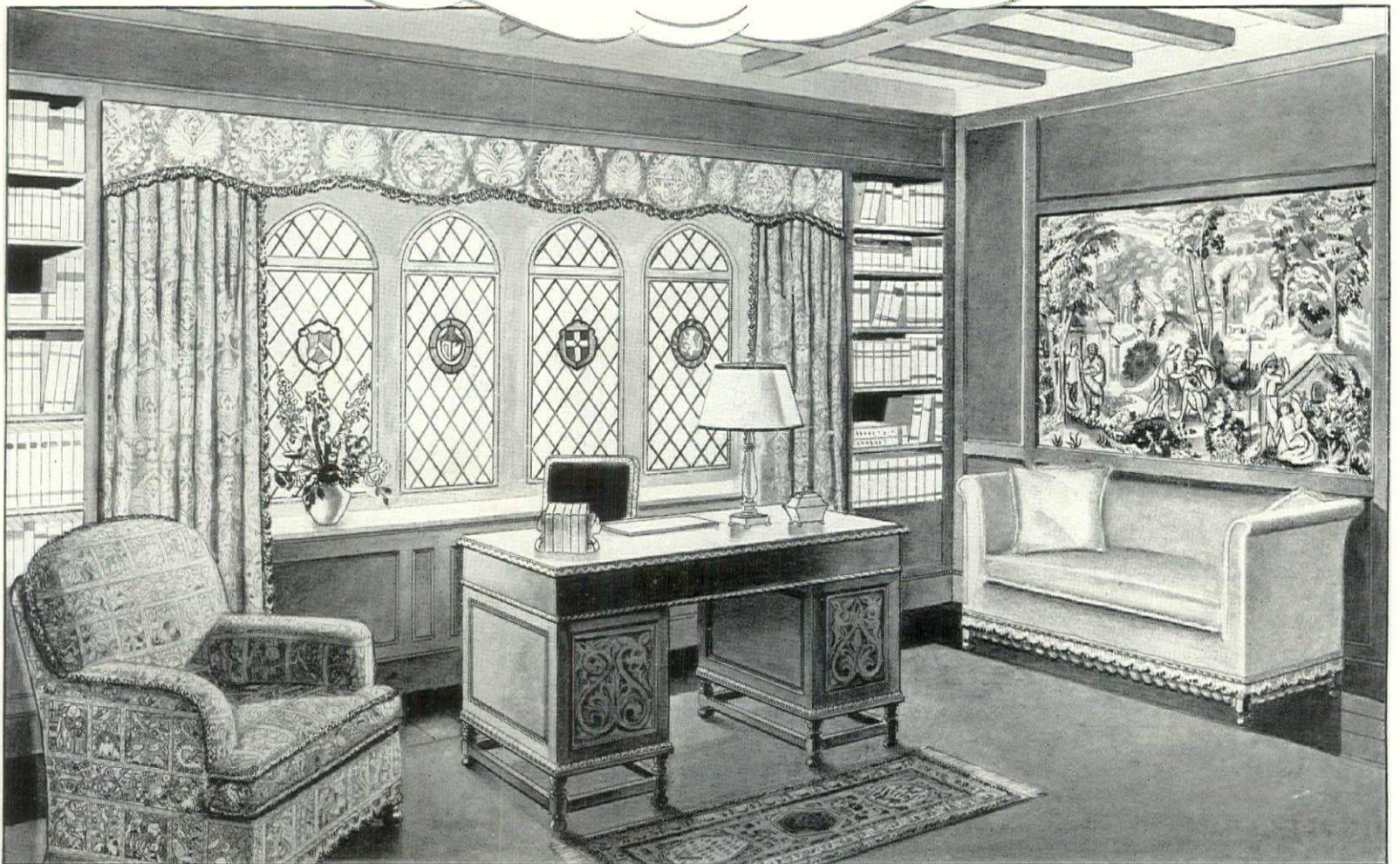
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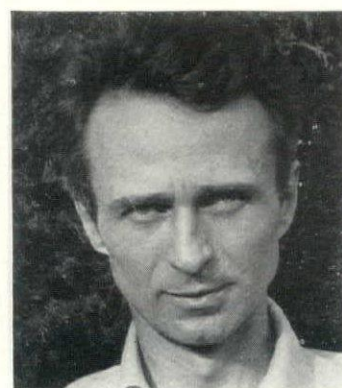
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Mary Deputy Lamson, designer of the Rose gardens illustrating our lead article, is one of the younger group of New York landscape architects. She received her B.A. and M.A. at Indiana University and took graduate work at Cambridge School of Landscape Architecture. Mrs. Lamson was Ruth Dean's assistant from 1924 to 1926, beginning her own practice in that year



J. H. Nicolas is a Frenchman who graduated from the University of France and has recently been made a Knight of the Legion of Honor. Internationally known as an authority on Roses and author of horticultural works, he is now in charge of research and the creation of finer varieties in one of the largest Rose growing establishments in America



Unless the magic name Edward Steichen appears in small caps below his photograph in *Vanity Fair*, no stage or film star, or member of the political scene dares feel that he has arrived. This issue of *House & Garden* reveals what Mr. Steichen does when he is hiding out from near-celebrities—he makes ten-foot Delphiniums grow where only five-foot ones were seen before

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RICHARDSON WRIGHT, EDITOR • ROBERT S. LEMMON, MANAGING EDITOR • MARGARET McELROY, ASSOCIATE EDITOR • JULIUS GREGORY, CONSULTING ARCHITECT

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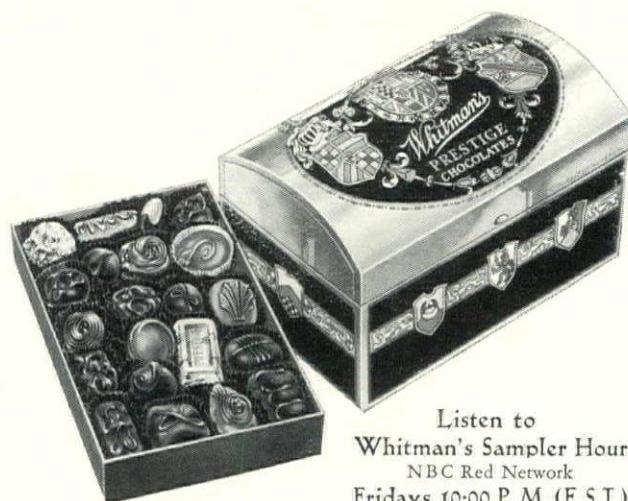
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# THE BULLETIN BOARD

**NOVELTIES.** By this time, those who make any pretense at gardening will have their packets of the new, fragrant, double yellow Nasturtium and the latest form of Calendula and a dozen or more of the other novelties that the seed catalogs have been offering. Each spring some newcomer or revived old-timer tries to edge into the accepted list of our favorite flowers. By the next season many of them are forgotten. And the fault often lies not in the flower itself but in the cultivation given it. Try the same novelty two years running and then judge if it is worthy to join your family of dependables.

**OLD AND NEW.** Many of these "novelties" are not so new as some gardeners suppose. During the past few years *Trollius ledebouri* has been trotted out and an excellent flower it is. But that doesn't change the fact that it was first introduced into England from Siberia in 1829! They say, however, that English growers have made some amusing variations in an American wildflower—*Tradescantia*—which will soon be coming back to us. There are also some new Scabiosas worth trying, and the tribe of improved Gaillardias continues to increase.

**BILLBOARDS.** "The barbarian carelessness of the motoring millions, the littered roadsides, the use of our most beautiful scenery for the advertising of products which should be boycotted for that very reason, are but symptoms of our slipping down from civilized standards of life, as are also our lawlessness and corruption with the cynical disregard of them by the public."

The above is from the epilogue to James Truslow Adams' recent book, *The Epic of America*.

**JUDGES GO TO SCHOOL.** The course in flower show judging offered for the first time last year by the Federated Garden Clubs of New York has set the style for many such courses given this season in other sections. We will soon have adequate accredited judges aplenty—men and women who can help out with local shows and who, as they gain more and more experience, will prove more valuable. Thus will the whole question of competition at flower shows be lifted to a more satisfactory level.

Let us hope now, that the makers of flower show schedules will give their imaginations an airing and thus afford these judges a chance to spread their wings. Our classes are hidebound and dull. Let's particularize. Instead of the usual vague "Artistic Arrangement," let's have something to quicken the imagination of exhibitors and tickle the risibility of visitors. Say—decorations for a dinner to your husband's boss who is contemplating a general cut in salaries, or a tête-à-tête luncheon with an old beau whom you haven't seen in years and who will probably prove bald and prosy.

**CRACKLE FINISH.** That finish of furniture which has a cracked surface, like an old-fashioned piece of pottery, is the result of a sort of traffic jam—rapidly drying materials are laid over slower drying ones. Thus shellac over varnish will check the finish. Or the effect can be gained by spraying a rapidly drying lacquer over a normally-drying lacquer, or by using layers of a mixture of dryers and varnish. When the fight between these two contending forces is over, the battleground bears the scars.

**SMOORING PRAYER.** Among good housekeepers it has always been the custom, on retiring, to smother the fire with ashes. Thus the embers are kept alive overnight and the next morning enough fire remains to kindle the new wood. In the Hebrides, those quaint islands off Scotland, this is called smooring. As the housewife goes to this chore she recites the Smooring incantation:

Blest be this house, blest be this fire,  
And blest be this people all.  
An angel in the door of every room,  
To shield and to protect you all  
Till bright daylight comes in the morning.

**THE COLOR LINE-UP.** It appears, from a recent survey, that people in this country are becoming more conscious of color than of pattern, that the former means more to them than the latter. And the colors come down the home stretch of popularity in this order: (1) Green, which heads the list; sixty-five per cent of window and upholstery fabrics sold today are green; (2) Blue, which is growing in popularity; (3) Brown, which includes the tans; (4) Yellow in its various tints; (5) Henna; (6) Orchid, which is just now looming noticeably above the horizon.

The most popular flower patterns show flowers in white and off-white. These designs can be used with wicker. And we venture to prophesy that wicker painted white is in for a popular run in the near future.

**NICHOLAS CULPEPPER.** An interesting study for garden clubs and curiously-minded gardeners would be the career and influence of Nicholas Culpepper. This strange figure, born in 1616, swam into the orbit of London about 1652 by the publication of his book, *The English Physician*, in which he sought to revive the ancient Doctrine of Signature. According to this doctrine plants bear in their form or marking or by some characteristic, the indication of the diseases they will cure. Medical London set down Culpepper as a charlatan, but he managed to capture public imagination and soon gathered a large following. His book was found in practically every well equipped household in Early America and only the past year saw still another edition of his famous work appear.

**THE ARCHITECTURE OF AN ARTICLE.** Just as a building is the result of the coordinated efforts of many trades and professions, so is a well presented article in a magazine. The leading article in this issue, for example, was fabricated slowly and surely from four different sources of authority.

First, the text was written by J. H. Nicolas, a well known authority on Roses. His subject was selected because there is a pronounced movement in this country to revive interest in old Roses. But merely talking about them was not enough. We must show how those old Roses could be used in their old-fashioned styles. The next step, then, was to have two gardens designed, one for a Mediaeval Roserie and one for a Rose garden in the Victorian taste. Mrs. Vernon Lamson, landscape architect, made the designs. To help the reader visualize these gardens they were graphically portrayed by Pierre Brissaud, the well known French artist. Then, in order to have Mrs. Lamson's plans presented in the same style as M. Brissaud's drawings, they were again rendered by Robert Harrer. After these four steps, the editor had only to sprinkle a few commas over the text, and the architecture of that article was complete.

**SOFTNESS UNDERFOOT.** There are fully half a dozen ways in which the life of rugs can be prolonged. They should be turned around every few months so that the traffic on them will be evenly distributed and furniture indentations get not too deep. They should be protected from too much direct sunlight. They should be regularly cleaned with a vacuum cleaner and invariably be clean when stored. And they should have some sort of rug cushion or underlining that will break the shock of traffic and at the same time give softness underfoot.

**GADDING GARDENERS.** It is generally supposed that gardening is the habit of people who stay at home—stick-in-the-muds. For a matter of cold fact, there never were such gardeners as the British, nor is there a people more addicted to gadding about. The English have the good sense to know when to leave their gardens—and when to return to them. And when they do return they invariably bring back some plant for the garden.

**TRAPS AND BARS.** The short-tempered behavior shown by some people of late is being charitably excused because of the financial pressure of these times. We hear it said that So-and-So, having lost a great deal of money, feels trapped, like an animal in a cage, and snaps at anyone who approaches the bars.

Each man, it seems, has his own kind of trap, fixed with his own kind of bars, and most of us make our own. Those whose heart is set on money make bars of money about them and are trapped when their money is gone. And those whose heart is set on beauty would be equally trapped if sight or smell or touch or the sense of hearing were taken from them.

**TABLE SPORTS.** Among the genteel contests that have arisen among ladies in various sections of the country is the pleasant business of table decoration. Women now vie with each other in the matter of centerpieces, floral decoration and such, and great ingenuity and taste they are showing, and no expense, it seems, is being spared. We're for it. We're for anything that will keep women interested in their homes and make those homes better for that interest.

Since flowers and fruit enter into these compositions, the whole subject is closely allied to gardening and to the staging and exhibiting of garden products.



S. H. Gottscho

### Iron grilles lighten the portico

A PAGODA hood over the entrance to the Charles E. F. McCann residence at Oyster Bay, L. I., is supported by white painted iron grilles in conventional patterns. More ironwork is seen guarding the transom and filling a break of the parapet wall. James W. O'Connor, architect; Annette Hoyt Flanders, landscape architect



## OLD-TIME ROSES ARE COMING BACK AGAIN



EVEN without the recent rise and fall of the *Chapeau Eugénie*, that turbulent, if prosperous, period of French History, to which the die-hard opponents of the subsequent republican régime used to refer soulfully as *L'Empire*, is not so far away from us when we consider Roses. Empress Eugénie was very fond of Roses and her favorite corsage flower was a very mossy pink Rose named for her by special command in 1855. This beautiful Moss Rose, for years neglected, is coming back.

During Eugénie's dictatorship of fashions (1852-1870) appeared the first and most delightfully scented Hybrid Tea Rose, *La France* (1867); the most beautiful and fragrant of all Tea Roses, *Marechal Niel* (1864); and the epoch-marking climbing Bourbon-Tea, *Gloire de Dijon* (1853). Then, too, arose the most famous Hybrid Perpetual, *Gen. Jacqueminot* (1852), still spry in spite of eighty years, leading the veterans of those old guard hybrid perpetuals still prominent in American gardens and nurseries: *Jules Margottin* (1853), *Anna de Diesbach* (1858), *General Washington* (1860), *Prince Camille de Rohan* (1861), *John Hopper* (1862), *Mme. Victor Verdier* (1863), *Fisher Holmes* (1865), *Baroness Rothschild* (1867), *Horace Vermet* (1866), *Paul Neyron* (1869).

At this juncture I must mention, for the benefit of those Rose lovers of the North who bemoan the tenderness of the lovely *Marechal Niel*, a discovery I made: *Marechal Niel* can be grown in the North as a bush Rose (provided it is budded and the bud planted 3" to 4" deep) and it will bloom all through the summer. My plant was frozen to the ground and I was despairing of it when new shoots appeared from the base under ground and I had a glorious harvest of beautiful blooms up to winter. The lovely *Mermaid* (Hybrid *Bracteata*) will do the same thing. For many years we have been swamped with a great number of Hybrid Teas, some good, some not so good, and many poor. This

avalanche had distracted us from the older varieties, and for some time everything not classed as Hybrid Tea, or "everblooming", had been brushed aside.

Fortunately, the worm has turned and there is a marked renaissance of "old Roses"; this movement had been gradually increasing until Mrs. Francis King crystallized the situation and at the annual meeting of the American Rose Society of 1930 caused an Old Rose committee to be formed for search, preservation and cultivation of old varieties. Heeding the movement, enterprising nurserymen have started again the propagation of old Roses. One has a collection of about seventy-five varieties of Provins Roses, another searched the world for all the Moss Roses in existence and has now about 125 varieties of this loveliest of all. Some are already available, and more will be each year. We search the world for antiques. Americana are in vogue. Why not dedicate a part of our garden to "Roseana"?

THE term Old Roses does not refer to the age of the plant but to the type and class. They are not to be collected just because they are old, but because of their distinctiveness and characters, which are entirely different from those of the modern Hybrid Tea. True, some are not remontant, but they are so lovely and individual that after giving us four weeks of joy, they bid us au revoir leaving anticipation of a still more beautiful display the next year.

Old Roses are of four major classes: Provins, Moss, Centifolia (Cabbage), also referred to as Provence Roses, and the Damask. Then later came the Hybrid Perpetual tribe, of which the 1690 varieties at the *Roseraie de l'Hay* have dwindled down to a mere baker's dozen in American commerce. We may also mention the Tea class, now verging upon extinction for reasons which need not be brought into the discussion at this time.

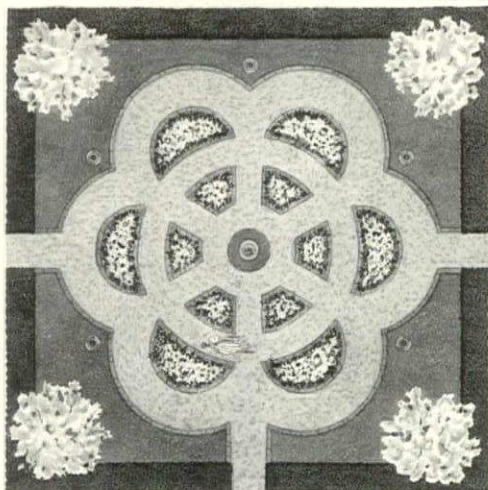
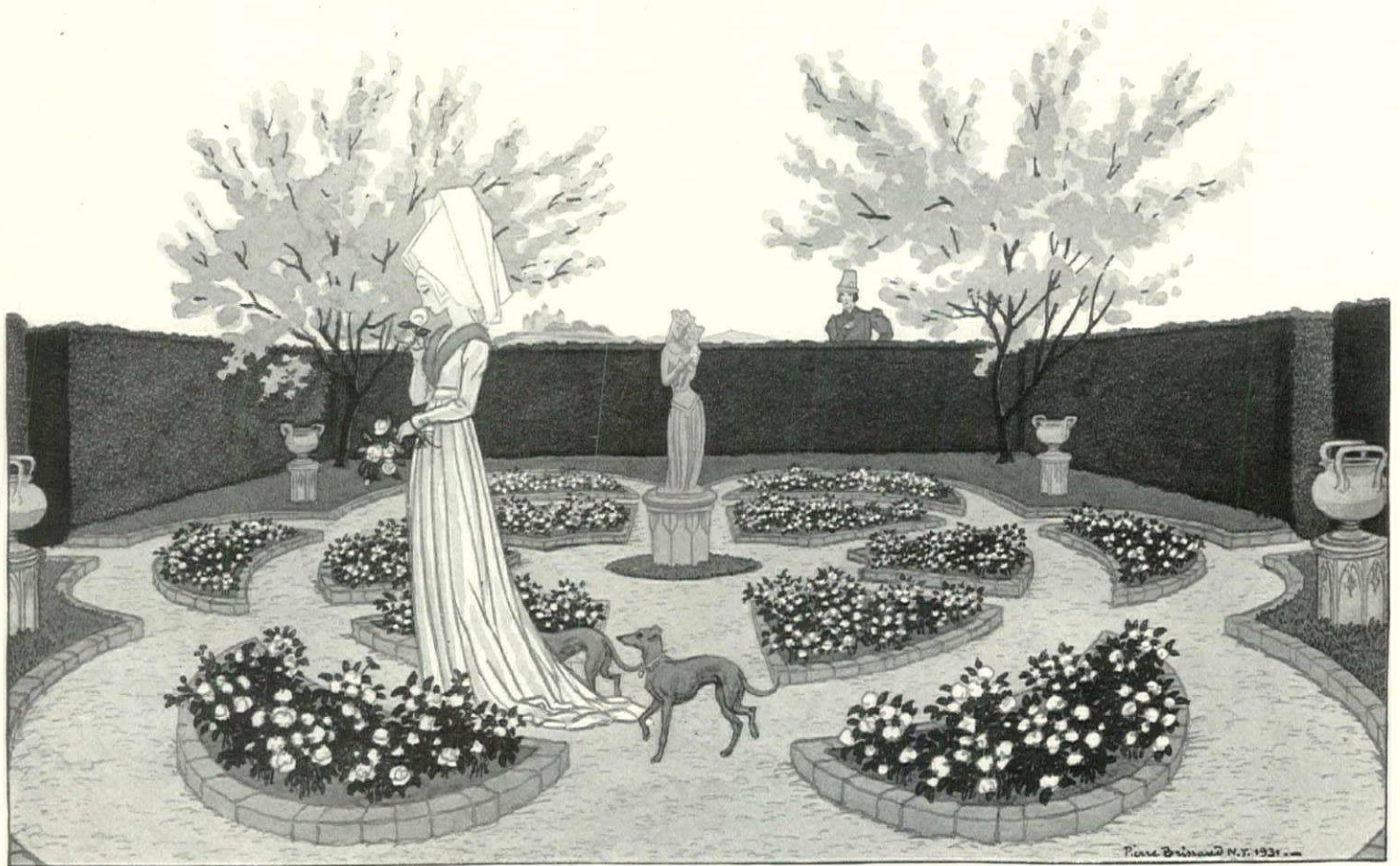
The Provins Rose is a historical type

By J. H. Nicolas

par excellence. Its origin is rather obscure, but it is said to be an evolution probably of the Damask Rose, brought from the Orient by the Crusaders, merging naturally or by man's hand with the native Roses of the hills of Central France (*R. gallica*). At any rate it is quite different from the Provence Rose, which is the true Centifolia although both show some relationship in their foliage and colorings. There is no yellow in those old strains because the Tea Rose, original source of yellow, was not then generally known. The Provins Rose takes its name from the City of Provins about thirty-five miles east of Paris, which became famous for its Rose products industry: conserves, jellies, condiments, perfume, beads, jars and various nicknacks of personal adornment. This industry, while not as prosperous as of yore, still survives. When the unhappy Marie Louise of Austria came to France to marry Napoleon I, the Emperor met her at the town of Provins where the population, carried away by excited enthusiasm, showered them with Rose products of all descriptions.

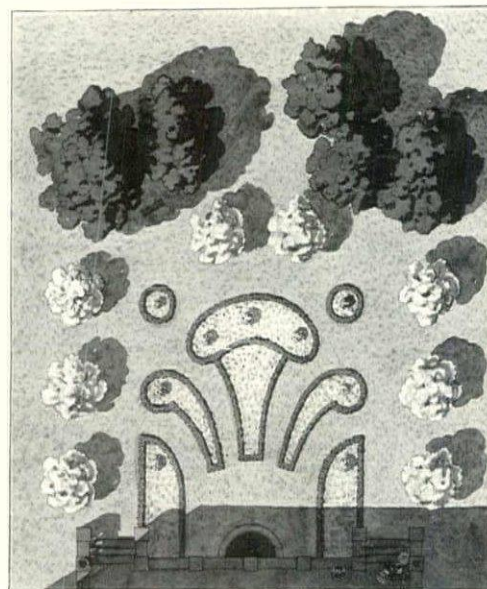
THE Provins Rose is of medium size and very double. Many are interestingly variegated and their indelible stamp is a purplish hue, some turning slate blue at the end. They have a rich perfume of their own and the plants are extremely hardy. The following are now available:

*Cardinal de Richelieu*: Very dark violet nearing the dark Parma violet, edges carmine. Very striking and the nearest to blue Rose in existence. *Commandant Beaufre-*



THIS old-fashioned knot garden has a hedge of Yew, Hawthorn or Roses, with four Flowering Crabs. In the inner circle the sequence of varieties is: *Vierge de Clery*, *La Noblesse*, *Konigin Von Danemark*, *Red Provence*, *Old Tuscany*, *Pompon de Bourgogne*. Outer circle: *Nuits d'Young*, *Eugene Verdier*, *York & Lancaster*, *La Neige*, *Blanche Moreau*, *Gloire des Mousseux*

ANOTHER old design was the Victorian. The central bed has Hybrid Perpetuals, three of them standards. In each round bed, a standard H. P. Curved beds, H. P.'s, one standard. Lowest beds, Centifolias, one standard H. P. The eight small trees are standard Weeping Cherries or Laburnums. The beds are edged with 8" Box. Planting plans by Mary Deputy Lamson, landscape architect



*paire*: Rose pink striped purple-violet and freckled with white. *Cramoisi Velouté*: Crimson velvet. *Georges Vibert*: Crimson with white stripes. *Hector*: Violet with a slate colored center.

*Henri Fouquier*: Rose pink, very fragrant. *Hypathia*: Red dotted garnet. *Jeanette*: Bright red. *La Rubanée* (or Village Maid): White striped purple. *Madame Saportas*: Vivid pink. *Maitre d'Ecole*: Soft pink. *Marie Tudor*: Cerise red. *Nérow*: Crimson variegated violet blue.

*Oeillet Flamand*: Pale pink striped and variegated white. *Oeillet Parfait*: Pale blush striped red and crimson. *Pepita*: Live pink. *Perle des Panachées*: Pure white marked with rose and crimson. *Petite Orleanaise*: Pompon type, pink.

*Président Dutailly*: Carmine shaded with magenta. *Reine D'Espagne*: Fiery red. *Tricolore*: Cerise pink striped with lilac and white.

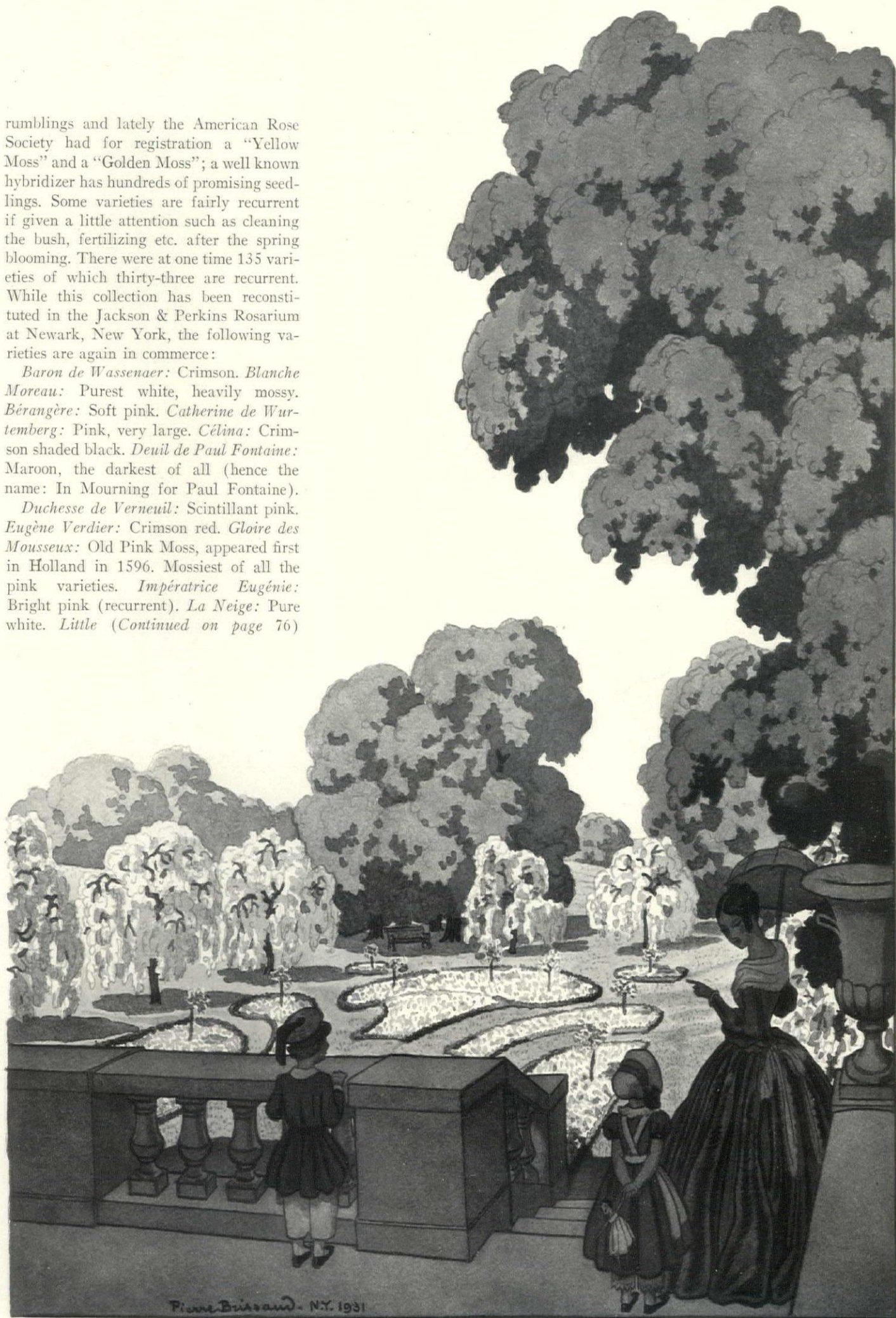
The Moss Roses are due for a revival; lately considerable attention has been given to these, the loveliest of all. During Empress Eugénie's reign, in 1866, Francis Parkman wrote: "Nothing can eclipse and nothing can rival her (the Moss Rose). She is and ever will be the favorite of poetry and art; and the eloquence of her opening buds, half wrapped in their mossy envelope, will remain through all generations a chosen interpreter of the languages of youth and beauty".

Hybridizers are at work to create a modern strain with the pastel shades so popular among Hybrid Teas. We hear interesting

rumblings and lately the American Rose Society had for registration a "Yellow Moss" and a "Golden Moss"; a well known hybridizer has hundreds of promising seedlings. Some varieties are fairly recurrent if given a little attention such as cleaning the bush, fertilizing etc. after the spring blooming. There were at one time 135 varieties of which thirty-three are recurrent. While this collection has been reconstituted in the Jackson & Perkins Rosarium at Newark, New York, the following varieties are again in commerce:

*Baron de Wassenaer*: Crimson. *Blanche Moreau*: Purest white, heavily mossy. *Bérangère*: Soft pink. *Catherine de Wurtemberg*: Pink, very large. *Céline*: Crimson shaded black. *Deuil de Paul Fontaine*: Maroon, the darkest of all (hence the name: In Mourning for Paul Fontaine).

*Duchesse de Verneuil*: Scintillant pink. *Eugène Verdier*: Crimson red. *Gloire des Mousseux*: Old Pink Moss, appeared first in Holland in 1596. Mossiest of all the pink varieties. *Impératrice Eugénie*: Bright pink (recurrent). *La Neige*: Pure white. *Little* (Continued on page 76)



## The wayfaring of gardens



IN ONE of his essays Sir Arthur Quiller-Couch spins a plausible legend about a Roman legionnaire slogging along a muddy road in Gaul towards faraway England. The Channel finally crossed, he flings his march-worn, mud-caked boots into a ditch. Next year, from those clods of Gallic mire, springs up on British soil a wild flower that never grew there before.

By even such romantic chance has many a flower passed from its native heath to foreign lands, and many a garden, flourishing today to delight our eyes, has traveled an equally long trail of fortuitous migration.

Step into a garden on a day in June. Step from the rear door into the terrace. Instantly we encounter signs of wayfaring. This terrace with its pretty patterns of brick and stone flagging, where did it come from? Did the Romans have them? Who first conceived this transition between a house and a garden?

Down its coping range potted plants and around the pool's rim others are clustered like little chicks around a mother hen. Did that custom have a beginning we can discover? Was it accidental or purposed?

A straight path leads from the terrace steps to the farther wall. Midway it is broken by the pool, from which, on each side, extend side paths. A glance reveals this geometrical design. Naturally we wonder how such a mathematical pattern was first evolved and into what dim and romantic times that straight path extends.

At the farther end stands a summer house, with grapes and roses mingling democratically over the roof. Can it be that even this bower boasts a checkered history?

AS WE pass along we notice how the flowers are growing in little plots edged with clipped Box, and that these plots make a pattern. How far has that idea of a patterned garden traveled from its first conceiver to this day?

The garden is enclosed by a wall or fence. Who first walled in his garden, we wonder, and why did he do it?

Amid the flowers, tending them with intelligent and loving care, is the mistress of the place. Her hands are grimed and her hair awry, for she is working in her garden. Have women always done so—Roman matrons and odalisques in "hushed seraglios" and mediaeval housewives? In the long zigzag upward of the human race, what part has woman played between garden walls so that today—in this country at least—she should be the leading *genus* of gardening?

Yonder where the vegetables grow, a gardener turns on a long pipe that sprays jets of water from side to side like gentle rain. The thirsty earth drinks it up and the vegetables sparkle with its drops. Surely this, too, is an aged custom, this irrigation of gardens; but by what steps did it rise from clumsy beginnings to this convenient similitude of rain?

Further along, the garden loses its straight path; its beds begin to bulge in wide curves and its walks wind hither and

yon. Is this the product of some new revolt against a too rigid formality, or did even this Naturalism experience a picturesque evolution? And into what dim forests of the past does that winding history lead?

Amid a grove of trees stands the marble figure of a faun. Why a faun? And what place has it in a garden? And what did it and others like it mean to men and women in the past and to the first man who set it up, these many centuries ago, in the garden he fashioned out of the wilderness?

A STEP beyond and we find ourselves in an upland meadow like those that lie in the hills about the Italian Lakes or around Swiss villages or on the sunny slopes of our own Rockies and Sierra Nevadas. Rocks disposed about this corner make genuine miniature pockets of these Alps, and on their ledges and in the tiny moraines blossom flowers so small that you must kneel to enjoy their minute beauty. No such flowers grow wild in the country around here. Who, then, conceived the idea of reproducing this Alpine environment and bringing overseas these tiny strangers? What lineage has the rock garden managed to accumulate in the past century?

Yonder, set out in a quaint pattern, grow herbs. Here we are on familiar ground! All old-fashioned gardens had their herb patch. Who can conceive of a gardening grandmother not growing Rosemary and Dill and Thyme? But where, we wonder, did grandmother learn how to grow and use these herbs? Can we see standing behind her centuries of men and women in religious habits within monastery walls? Can we see men patiently distilling the essences of these herbs and, beyond that, others venturing into the uncharted sea of healing the sick with them? How far back into the dim past of the race, into the menace of primitive superstition, travels the wayfaring of this herb garden?

LET US halt, now, where a garden bench offers us comfort. Here we may close the eye of today and wonder how all these things began. But even this bench arouses our curiosity. What kinds did the Greeks have, if they had any? And did the mistress of a castle sit on a bench such as this? Did the Persians, in the gardens of which Omar and Sadi sang, enjoy these comforts?

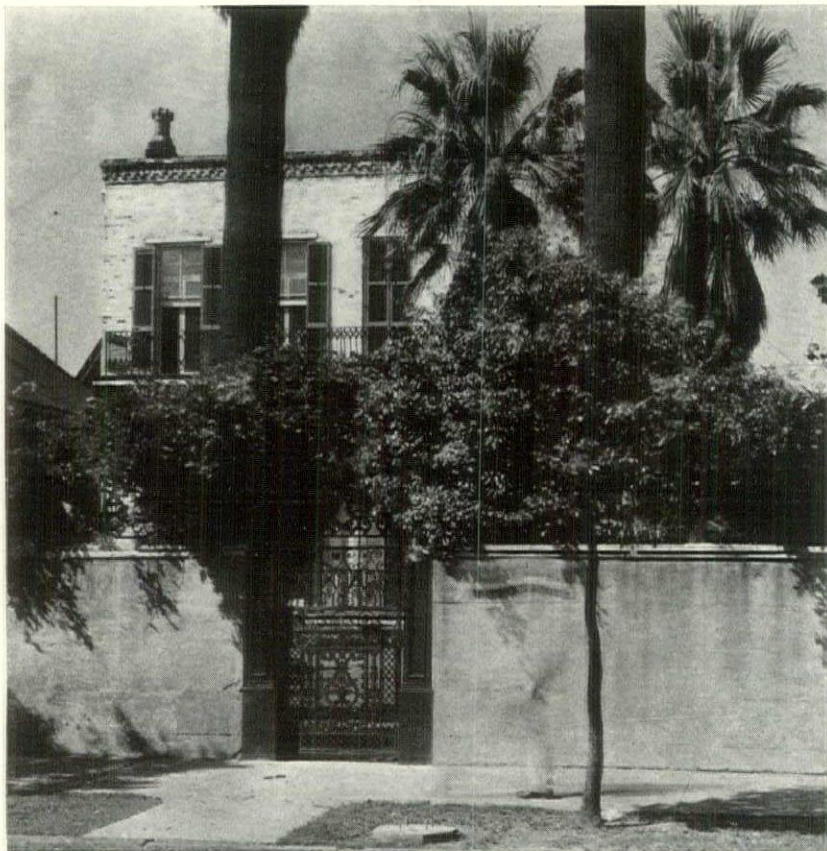
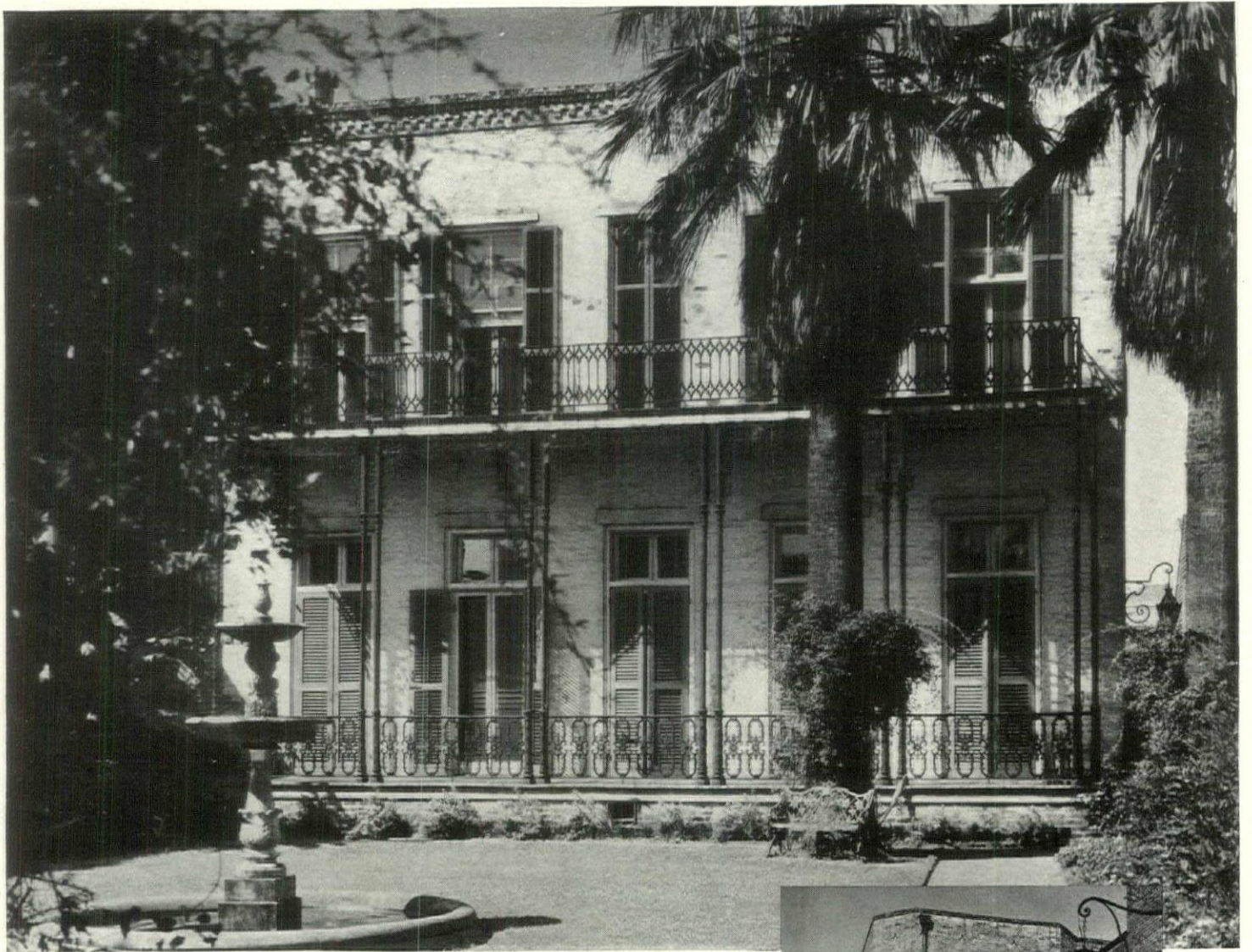
The quest for these answers leads us down the winding road that is the Story of The Garden. It reaches vast distances, this road, and into the hearts of ancient peoples in many lands. Along it we will meet a motley of men and women, all intent on the same purpose—kings and soldiers and mariners, scientists, explorers, artists, doctors, architects, priests and nuns, humble peasants and lordly aristocrats, rugged fellows and gentle queens and the shadowy ghosts of gods and goddesses and of shy spirits that haunted hilltops and forest glades and danced across the curving slopes of rolling meadows long ago.

—RICHARDSON WRIGHT



**To produce a primitive effect**

A PORTION of Mr. H. W. Huber's residence, designed in the vernacular of Brittany, at Locust Point, N. J., has walls of antiqued chestnut, stripped siding. These walls, seen under a roof of shingle tiles irregularly laid in a cement bed, produce a delightfully sturdy picture. Howard and Frenaye were the architects of this house



ORIGINALLY the garconnière of an adjoining house, this place has now been remodeled as a home for Mrs. Albert Schwartz. Walls are of whitewashed brick; roof is slate. The gate shown at the left opens to the court at top of page. Part of the opposite side is also shown. Armstrong & Koch, architects; George Gallup, landscape architect

**From old New Orleans'  
historical Vieux Carré**

## And now a room for grouping flowers

ONE need not be a member of a learned horticultural society or an energetic garden club to know that cut flowers in the house are as important today as good pictures or music or any other of the recognized arts. Interior decorators and architects, no less than the men and women who dwell in the rooms which these professionals have helped to create, accord to the jar of pastel Zinnias, the bowl of Waterlilies or the slender vase of airy Baby's-breath and Pinks the high honor of being the finishing touch. Thus may the final and important step be taken in linking the garden with the house.

Obviously, the full perfection of cut flowers can be attained only when they are handled right from the time they are gathered until the last day of their usefulness. In order that such treatment may be simplified there is suggested here the establishment of a special flower room, wherein the pleasures of choosing and arranging may be conveniently followed. Let its purpose be practical, first of all, and to this end equip it with:

A good deep sink with hot and cold running water and drain board.

At least one ample bench at a convenient height for the work of arranging. Waterproof floor and ample windows.

A cool, well ventilated corner which can be darkened for keeping flowers intended for exhibition at shows, etc.

"Daylight" type electric bulbs to avoid

### A useful asset for everyone who cuts blossoms

to place in the house · By Robert S. Lemmon

color distortion while working with flowers at night or on dark days.

A substantial, roomy, waterproof receptacle for clippings, passé flowers and other debris destined for the garden compost heap. Better still, a chute to the cellar, equipped with a tight recessed door.

Small desk and chair for purposes of such printed, written, figured and scribbled impedimenta as only gardeners know how to accumulate.

A shelf for practical and not so practical gardening books.

One rugged straight chair or stool to sit upon while making subtle arrangements on the bench.

A comfortable lounge chair for moments of discouragement or admiration of achievements.

Supply of garden notebooks (specially designed kind or five-and-ten-store copy-book style, depending upon personal taste and degree of true dirt gardening instinct in individual makeup).

Large variety of vases and bowls, pottery as well as glass.

Two or three very large, deep jars for Peonies and other tall flowers.

Stem holders for use in bowls, including the soft wire adjustable type.

Sweet baskets for Little Boy Blue school of flower arrangement.

Stout shears and two pairs of medium sized, pointed, long-shanked scissors (second pair to be used when Aunty has appropriated the first).

One ball of soft green twine for tying.

Soap and towels (good old roller type for genuine working gardeners).

Stain remover. Rubber or gift shop (arty) apron. Maybe a smock, also, for French peasant atmosphere.

Sensible garden shoes. Rubbers. Raincoat and hat that does not object to getting wet. (Umbrellas come under the general head of Infernal Nuisances, except for visitors' use.)

Supply of green waxed paper and collapsible cardboard flower boxes to contain cut blooms packed for departing weekend guests. Wrapping paper and twine for same. Printed stickers to paste on packages to make hit with said guests (suggested wording: "The Gleetzes wish you a quick recovery").

Tinfoil for nosebags, etc. Bulb sprayer to sprinkle flowers before boxing.

A generous sized, substantial gathering basket, equipped with light pruning shears, scissors, leather gloves for fooling around Rose bushes. Also a sizable pail which, half full of water, can be lugged into the garden to receive those flowers which wilt quickly if exposed to air.

Accessories to taste, such as cigarette box, ash trays, pictures on the wall, liquid refreshment, nail file, mirror for rearranging distraught locks, smelling salts, and tweezers for extracting Rose thorns from quivering epidermis.

Good taste, a love of flowers and endless patience in studying one of the subtlest and most satisfying arts in the world.



**EQUIPMENT** in the garden room for flower arranging includes plenty of containers. A desk and chair, too, are useful, as are ample open shelves. This room is in the home of Peter Schaefer, Loge River, Wis. Simon Henry Vehon, interior architect. The wall decorations are by Carl Hollem



## Japanese flower forms for tables in America

IN THIS summer arrangement, Heaven and Man are seen in Orchid sprays, left and right. Earth (Cornflowers) comes from behind Heaven. Heaven curves back, Man forward

FOR EARLY summer, let Wisteria represent Heaven (right) and Man, with a valley between. Orchids and rock complete one-half of this form. Earth, the Peony, is separated







**Four examples of the art known as Ikebana**

AT THE top is shown a late spring form. Iris and Larkspur together are Heaven and Man; Lilies-of-the-valley are Earth. Earth comes from the side front of Heaven and Man, revealing one-third of the water

RYOMEN, a two-sided winter form to be viewed from any position. Bridalwreath is Heaven and Man, with Iris, Baby's Breath, Roses and Narcissus as Earth. Flower arrangements by Miss Butcher



## Arranging cut flowers as they do in Japan

ONCE again the East has come to the West. Japanese flower arrangement has entered the American home and its charm and simplicity have already fascinated many of us. A few have gone further and have themselves made Japanese arrangements in their homes.

Many imagine that Ikebana, which is the name the Japanese give this art, is something mysterious and beyond reach or patience. But it is so only superficially. Actually, Ikebana is a practical and valuable technique for giving design or unity to the flower arrangements we are constantly making. Each arrangement is really a picture whose proportions, perspective and color combination are compelled by artistic considerations and the proposed surroundings. The Japanese are preëminent in this field. Not because they have a monopoly on creative artistry, nature worship or such mysteries as flower cults or awesome flower ceremonies; but because they have attacked the problem from sound artistic principles and because they love growing things.

IN THE days before the 15th Century the lives of branches beaten down by storms were saved by Buddhist monks, and a little later we hear of the masters of Tea Ceremony decorating their rooms with first a single flower, coming gradually to formal and symbolic groupings of flowers. From these beginnings more than one hundred schools have developed, varying minutely in opinion but returning always to the verity of the original principles.

For use and decoration in American homes, the forms developed by some of these schools are better than others. Some forms require for each arrangement days of patient handling even after many years' study. Others require less than an hour's work after only some weeks' study. Obviously the former are not for us. To make a beautiful flower bed requires neither the same time nor the same resources as to make a beautiful park. Each has its place. They are not to be compared.

EVERY Japanese girl of the middle and upper classes must receive her flower diploma before she is married. Therefore the teacher must form a point of view and practical technique that will reach the average girl's intelligence. He uses symbols to explain the forms he has in mind. To learn the technique of the art the pupils must imitate the teacher's gestures. Symbols for the mind and silent imitation for the hand make an approach that is much too Oriental to reach the average

American who is fond of flowers. A more direct method is needed to answer our more direct American attitude.

If we want to make an arrangement for a luncheon or a flower exhibition, we grope for an idea—a pretty vase, a "new" flower, a good color combination—but we seldom place the emphasis on form, which is the heart of any artistic creation. What music is formless? What building is without design? In most vases we have beautiful color from Nature's palette, some perfume of Nature's alchemy, but our touch fails to add one iota to its meaning.

The great joy in practicing the Japanese form is the joy of creating an artistic unity. To have a keen eye, a practiced hand; to have the satisfaction of bringing the arrangement into proportion, into harmony with itself; to aid and abet Nature—all that is one's pleasure. Every tree one sees can, with the principles of Ikebana in mind, become a study in beautiful formation. The main trend and the subordinate trend of the trunk and branches become a textbook. To some people a flower is enough; it can not be made inartistic because it is naturally beautiful. But there is a pleasure greater than the joy in individual blooms. To study each branch for itself and for its relation to the whole; to contemplate lovely things and put a meaning, a unity into their combination—this is restful and gives a sense of peace. To have beauty in the mind and then to realize this in actual arrangements—this is the art.

THE illustrations on the preceding pages are from the Ikenobo school in the Moribana form. The following equipment is needed: a bowl, holders and strong scissors. The slender vase is never used in this form. The bowl must be flat inside so that the lead holders can be placed without slipping. Bowls 2" to 3" in height and from about 12" to 20" in diameter are the best. Bronze, porcelain, glass or baskets in the flat open shape can be used. They may be round or oval.

The most satisfactory holders to use are the "two circle" or "three circle" lead holders, *hanadomi*, made in Japan. They can be found in the largest American cities. For very heavy branches the long 5" "water holder" is useful. Any low holder

### Definite details for applying a famous Eastern art in Western rooms • By Mary Louisa Butcher

in which the branches can be placed on an angle is satisfactory. The ordinary perforated glass holder, though usually heavy enough, is too exacting in form. The wire holders are not strong enough and are too high.

Before beginning, have a number of branch or stem cuttings 2½" to 3" long, cut on a slant. These help wedge the branches into the flower-holder sections. When the branches are first trimmed and clipped to the proper length, some extra pieces can be stripped of their leaves and rough edges and used as cuttings.

EXAMINE the form in the illustrations. The first thing to observe is the backbone, the strongest line in the arrangement. Often it can be traced its whole length from the holder or perhaps only in vistas, as we see the trunk of a tree. The Japanese call this leading principle *shin*, or Heaven. Of the same branch or flower is made a line of lesser importance, which falls away from *shin*. This is *soe*, or Man. There is always a dip or valley between the tips of *shin* and *soe*. If the arrangement is on the right of the bowl, as in the yellow arrangement, Man is placed to the right of Heaven. In the other instances Man is on the left. Man is never so tall or strong or straight as Heaven; but he always looks upward toward Heaven in aspiration. A good height for heaven is 1½ times the diameter of the bowl used; this is for the average arrangement which is to be seen from only one side.

For the all-around-view dinner table arrangements, two winter Moribana forms are usually put back to back. This form the Japanese call Ryomen, or two-sided. An example of it is shown at the lower right on page 43.

THE depth and contrast in the arrangement are made by the third principle *tae*, or Earth, which is generally made of flowers, sometimes of contrasting greens and branches. There is also a dip or valley between the two ends of *tae*. One end of *tae* is placed against Heaven and Man, the other is the lowest point in the triangle. Earth, *tae*, takes the opposite direction to Man, extending across the bowl. Man is the recon- (Continued on page 80)



An Elizabethan house  
in a woodland clearing  
upon an Ohio hillside



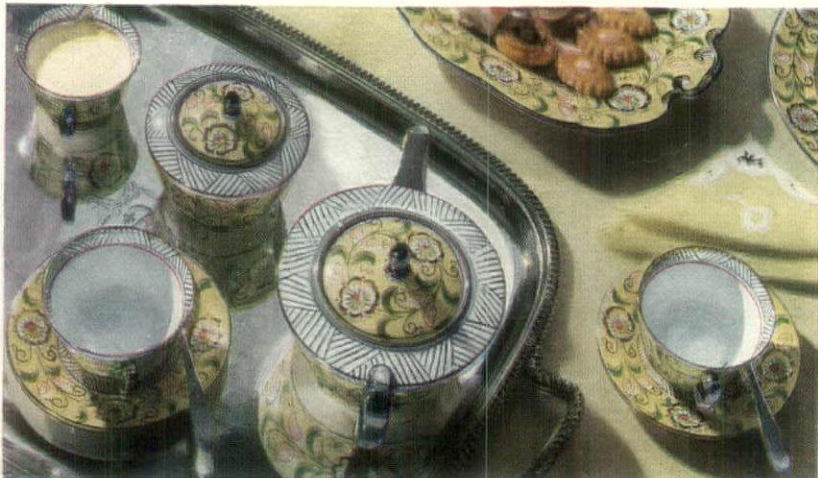
Ernest Graham

LEAVING intact the great natural beauty of its site, the English cottage home of Miss Selma Sullivan at Gates Mills, Ohio, is fitted into, rather than built on, the hillside. Guardianship of the house they hold between them is taken over by two slender Oaks whose intermingled branches make a canopy that is fully 125 feet in height

IN DEVELOPING the area about the house only such native material as Dogwood, Hemlocks and Myrtle was used. The dooryard is flagged loosely with water-worn native stones between which are such perennials as Delphinium, Bleeding-heart, Shasta Daisy and Moss Phlox. This residence was designed by George Brown. A. Donald Gray was the landscape architect



Bruehl Photo—Condé Nast Process

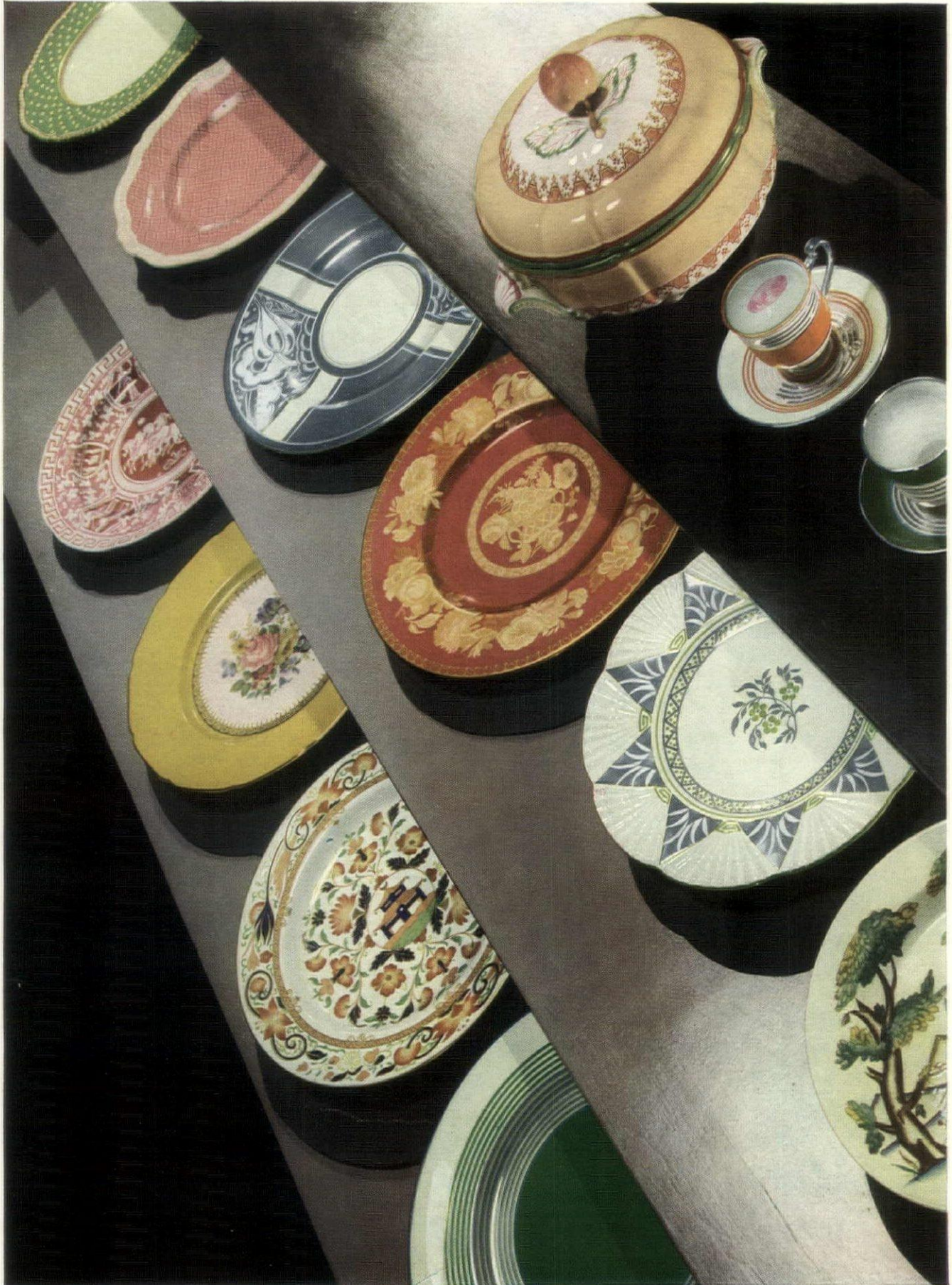


A REFRESHING scheme of pink, red, black and white gives added interest to this modern luncheon table. The plates, with their charming bowknots and dotted borders, are Theodore Haviland china from B. Altman, and the Fostoria glass, for black accents, is from Lewis & Conger. The Gorham silver is the Modern American pattern of Black, Starr and Frost-Gorham; the damask cloth comes from Maison de Linge

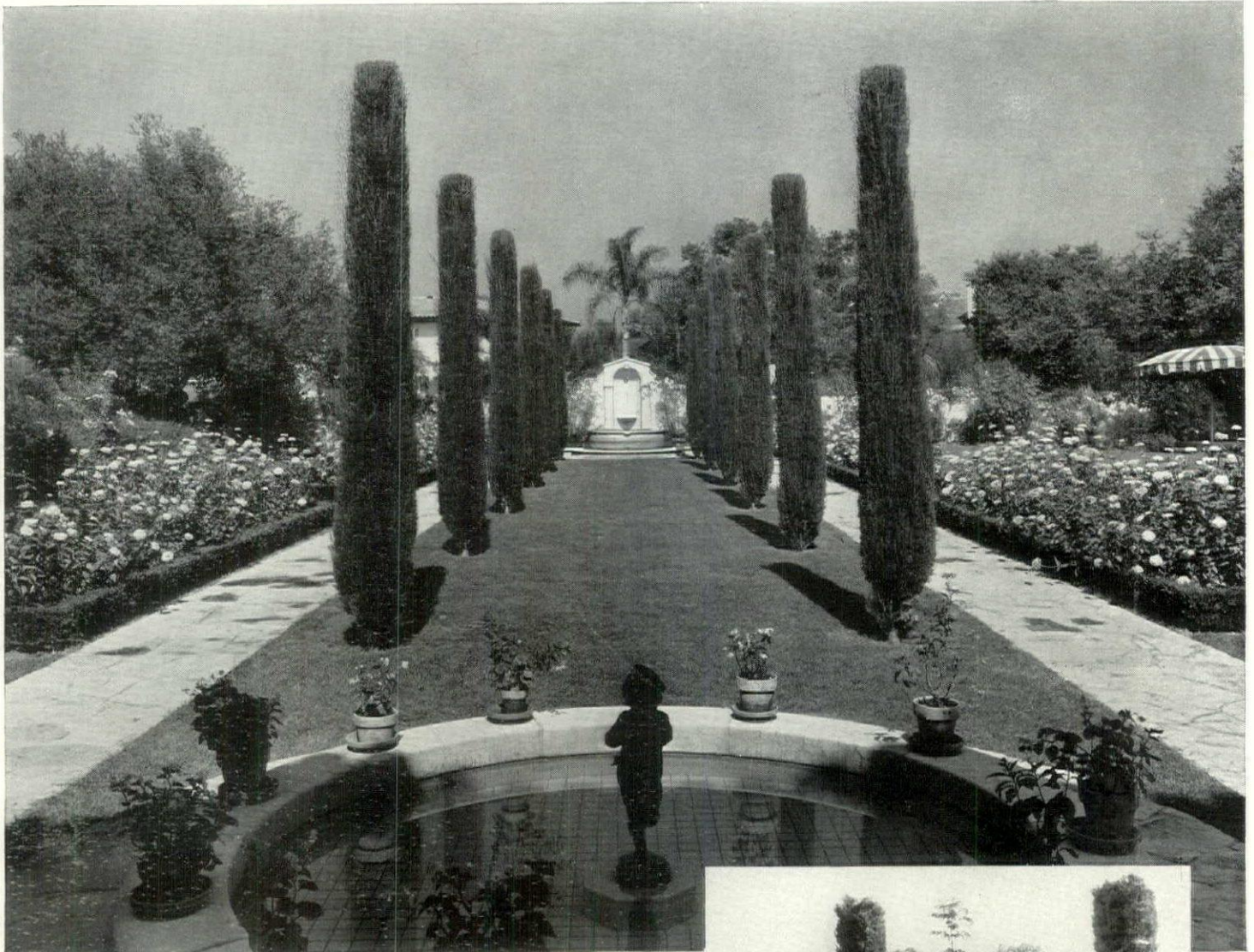
LOVELY shapes of old Wedgwood have been retained in this luster tea set which combines new design and coloring with graceful forms of the past. The use of coral with silver and brilliant yellow is particularly happy, while the modernized Chinese pattern is smart in either a new or old setting. This set may be imported through Ovington's. Yellow organdy tea cloth with embroidered edge, Grande Maison de Blanc

**Inspiration for the perfect table  
setting lurks in these gay designs**

BELOW is a collection of period and modern designs for both formal and informal use. Many are open stock patterns so an entire service can be had, if desired. China comprises Wedgwood, Spode, Gray's, Rosenthal, Laveno and Edmondson Warrin. From W. H. Plummer, Gilman Collamore, Rich & Fisher, Ovington, Carbone and Macy



Bruehl Photo—Condé Nast Process



Faxon

**S**HEARED formal conifers give a colonnaded effect to the central turf panel which lies between the two water features in the garden of Mrs. J. F. Skinner, in Pasadena. Wallace Neff, architect; Charles Gibbs Adams, landscape architect

**P**OTTED Geraniums frame the base of the James E. Buchanan patio wall fountain in the Palos Verdes Estates. A generous use of plant material characterizes the arrangement. Below is shown the Palos Verdes patio of Dr. Otto J. Stein



© Fred H. Kiser



© Fred H. Kiser

**California contributes three contrasting garden glimpses**

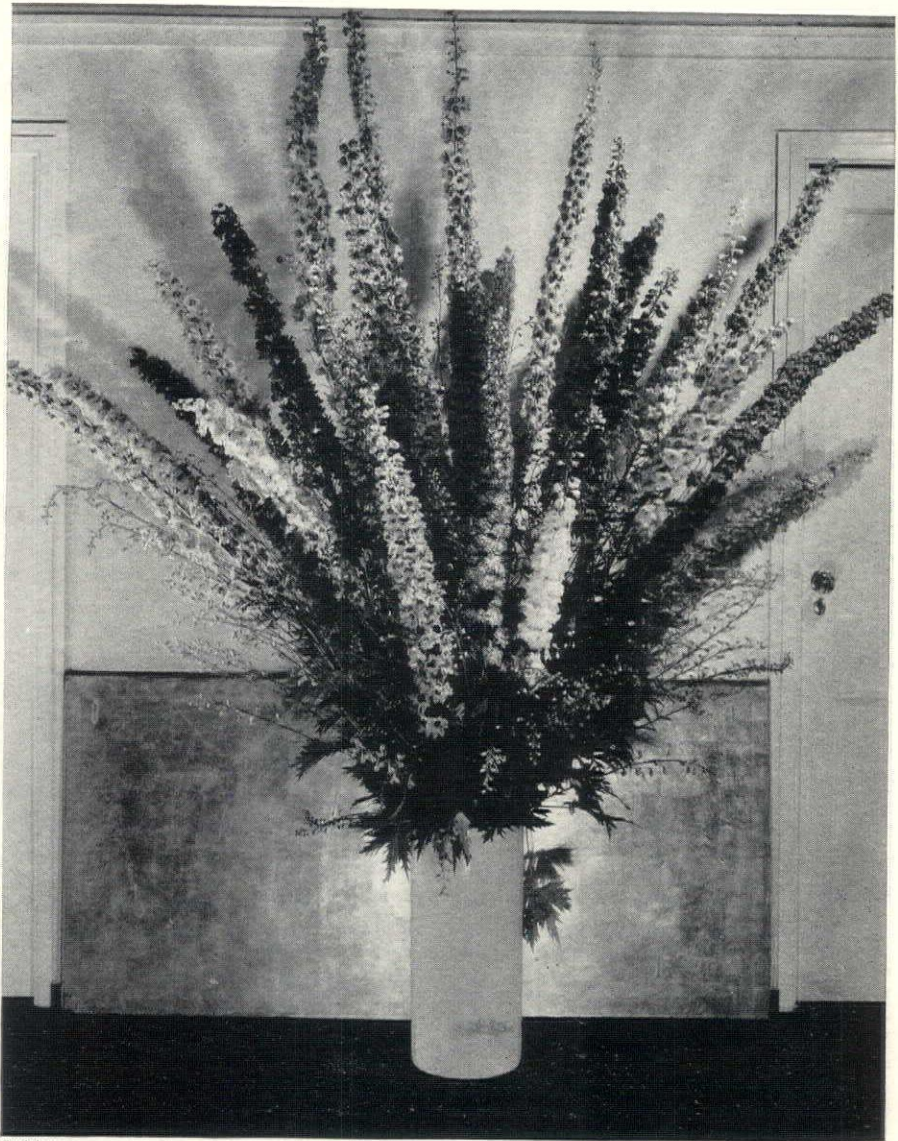
## Modern Delphiniums that cap the garden's climax

By Edward Steichen

A PERFECT bloom of *Le Cygne* bears witness to the progress made with Peonies since the period when the opening buds of the "Piney bush" growing alongside the pump in the front yard brought forth an annual ritual of beauty worship. In the stately grandeur of *Sir Michael* or the baffling opalescence of *Candelight*, the old garden *Iris* has almost achieved perfection. Responding to a widespread and growing interest, plant breeders have given most of our tried and true garden perennials added qualities until even the lowly are becoming true garden aristocrats. Sometimes the change has been very slight, occasionally it has gone in the wrong direction. For a time it looked as if the Oriental Poppies were going to have their grand flamboyance changed to anaemic pinks, when out stepped Dr. Neeley with a Poppy that was really red and that from every other angle was a model of what a worthy new plant should be.

The most spectacular and revolutionary developments in garden flowers are being made with the modern Delphiniums. The resemblance to their wild ancestors is casual and their nearer garden ancestors, with the three- or four-foot spindly stalks topped with ten or twelve inches of small smoky violet blue flowers, have been replaced by almost unbelievable new monarchs with stately stems holding spikes of blossoms three, four and almost five feet long.

The individual blossoms—single, semi-double and full double—are often over three inches in diameter and run in a range of color that starts with the all-over snow white, then white with a very large black bee and black flecks—even picotee edges of black. There are creamy whites with bright yellow bee; porcelain whites with the faintest trace of lavender, mist and fog tones; rosy lavenders with palest blue sheen; light vivid sky blues washed with a silvery lavender, sometimes with white or honey color bees. Then a swift crescendo of intense blues, lavenders and violet reaches a climax in deep rich blues and purples. The orchid and sky hues with their fuzzy honey gold centers are fresh and warm as the laughter of children,



Steichen

while some of the rich nocturnal blues and purples enriched with their black centers have deep sinister overtones.

The first important steps taken in the evolution of the modern Delphinium are generally credited to Kelways in England and Lemoine in France.

Most of the best varieties grown in Europe today are of English origin and are the result of years of the painstaking and inspired efforts of several master horticulturists. The outstanding single contribution from any one of these, I would credit to Watkins Samuels, originator of what is called the Wrexham type. The origin, as far as parentage of modern Delphiniums is concerned, is an obscure and debated question—the complexity of heritage is evidenced by the extraordinary variation in their progeny. If the seed of but a single plant of one of the more recently produced Delphiniums were sown on a large scale and a selection of seed from the resultant plants be sown again in turn, it is very likely that within a few years it would be demonstrated that almost every existing type of Delphinium

DELPHINIUMS cut from the author's garden, of all types from "pipe cleaners" to broad base Wrexhams, and single to full double. The flower spikes are three to four feet long

could be at least superficially duplicated.

Some plants reproduce certain of their own qualities as well as their defects quite freely; others have offspring that rarely resemble the parent. But up to the present there are no fixed strains of Delphiniums. Each grower has in mind a more or less fixed type he prefers and selects accordingly, but seedlings from his plants do not always follow his inclination and can hardly be called his strain. No serious attempt has been made to fix or produce a type of Delphinium that will come true from seed, yet while it would be obviously difficult it is not impossible.

In 1916 or 1917 W. A. Toole, in Wisconsin, found what he called grayish white seedlings in a batch of *Formosum coelestinum* raised in (Continued on page 88)



John Kabel

## Northwestern flower gems for Eastern rock gardens

By F. F. Rockwell

It is only during recent years that we have commenced to appreciate our own native plants. The untiring enthusiasm of a few plant hunters, and the missionary work done by still fewer magazines in introducing their discoveries to the gardening public, have at last borne fruit. Little by little some of the fine things which for these many years we should have been enjoying are beginning to find their way into commercial production and thus become generally available.

Of the Pacific Northwest plants mentioned in this article, practically all are now commercially available, and have been sufficiently widely distributed to show what they will do under average conditions. While the climate to which they are accustomed near the coast is mild-wintered and ideal for many things which will not do in the Central West and the Northeast, most of these plants come from mountain slopes or meadows, where they endure climatic conditions much more severe than any to which they are likely to be exposed in Eastern gardens. Often, in their native terrain, they are covered with snow and ice until late May or June.

In selecting from the scores of plants available, it is possible to present here comparatively few. I have omitted several important groups, such as Irises, Erythroniums and Erodiums, which have already been described in these pages.

We begin with the *Lewisias*, a group of low growing, fleshy rooted, thick leaved little plants. From the attractive, compact rosettes of their foliage, evergreen in most species, are sent up stout branching stems, six to ten inches tall, terminating in showy clusters of small but beautiful flowers, white, pink, or apricot, with darker bands or stripes down the center of each petal. One of the best known is *columbiana*, pink and white; but the more recently introduced *C. rosea*, a form from Mt. Hamilton, with larger flowers of deep rose-purple, is con-



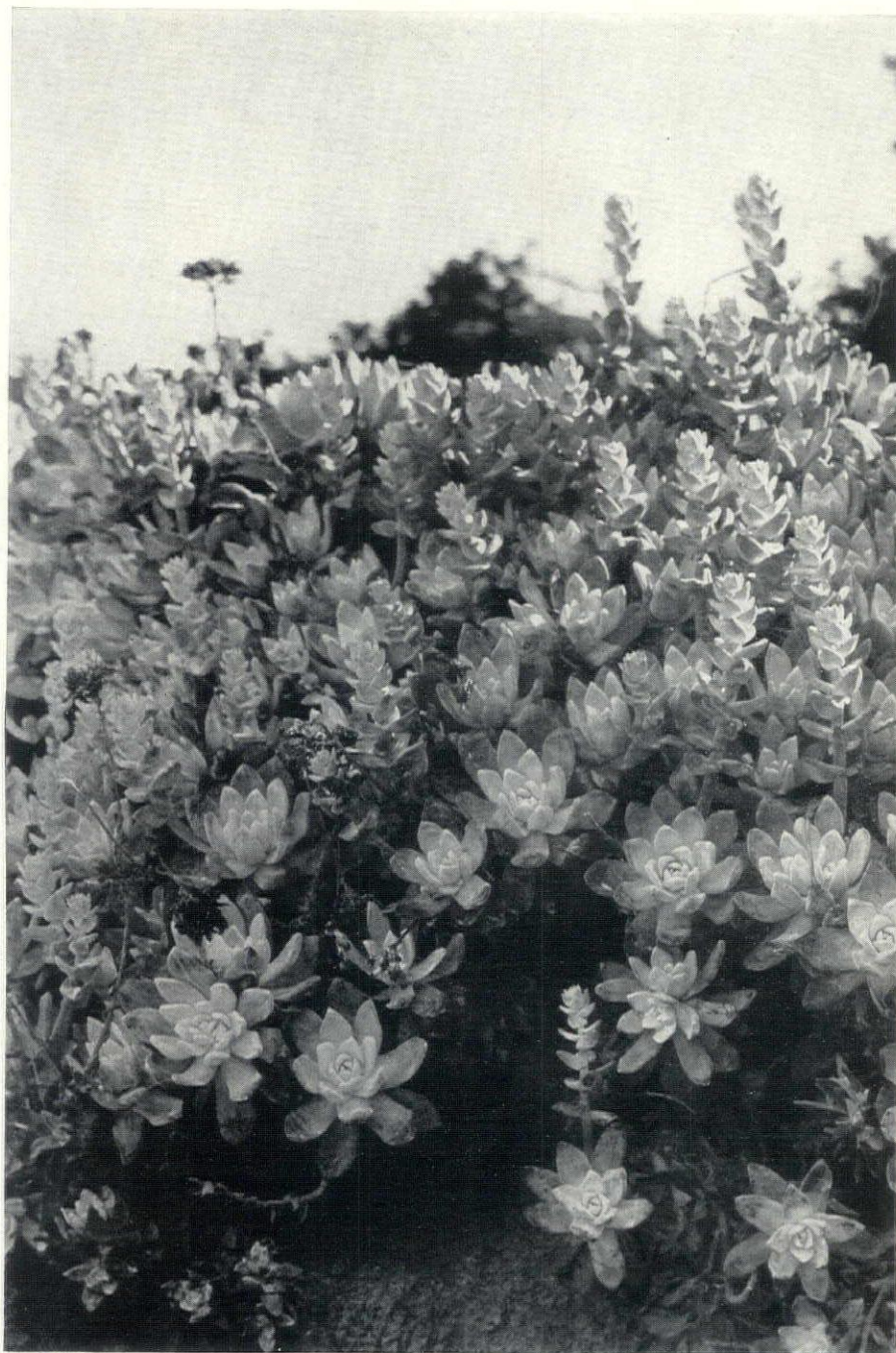


sidered finer and is remarkable for its extremely long flowering period—May to November. A white form has been selected. *Finchi*, with broader leaves and flowers light salmon, shaded apricot, is very lovely but less hardy, coming from Southern Oregon and California. It flowers in July in the mountains, but several weeks earlier in the garden. *Howelli*, apricot flowered, and *Cotyledon*, with flowers white, rayed pink, are others. All the preceding have evergreen foliage. Two deciduous species are *oppositifolia*, from northern California, with long, narrow leaves and pure white flowers like tiny Asters, and *rediviva* (British Columbia to Oregon) bearing waxy flowers of pink or white resembling miniature Waterlilies.

All of the Lewisias should be given a deep, gritty soil, with some humus but perfect under-drainage. The deciduous sorts especially want full sun. *Finchi* requires a good "baking" in the sun during late summer, to ripen it up for winter. *Columbiana rosea* and *rediviva* are probably the two best to start with. Some winter protection, in the Northeastern States, should be provided.

The Pentstemons, like the Phloxes, are a typically North American genus of plants, but much less well known. As many of them are excellent for rock and wall gardens they are now beginning to come into their own. Like the Lewisias, dwarf Pentstemons should be given a gritty, well drained soil and full sun, but they resent extreme heat and dryness. They have a long flowering season, some species blooming more or less continually from June to September. While the taller forms, such as *barbatus torreyi* and the new Sensation or Shirley Giant hybrids, have become fairly well known, the dwarfer sorts, suitable for rock gardens, as yet have not. The following are dwarf evergreen shrubs:

*Heterophyllus*, from California, under a foot high, (Continued on page 78)



John Kabel

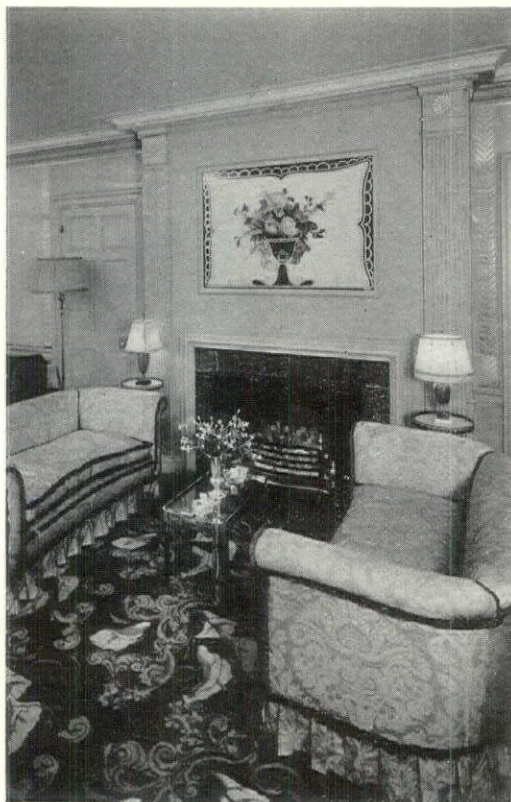
ABOVE. Sedums and Sempervivums are among the worthwhile succulent plants native to the West Coast. In the upper left corner of the page is the dwarf *Trillium rivale*, one of the real gems of the Northwest. Opposite, a view of the tropically luxuriant vegetation found in an Oregon forest near the coast



LEWISIA FINCHI is a native of the mountains of southern Oregon, where it comes into flower during July. Under garden cultivation at lower altitudes it usually blooms during May. Like others of its tribe, it likes a deep, gritty soil, with some humus but perfect under-drainage. Full or nearly full sun is best



Martinus Andersen



**B**ACKGAMMON achieves the dignity of special settings and the Double Six Club at the Waldorf is a fine example of smart game rooms. (Above.) Blue walls, gold curtains, black and gold chairs

**T**HE lovely overmantel copied from an old glass panel brings colorful notes to this backgammon room. Pale blue ground, with flowers in rose, magenta and emerald green, framed in gray and gold

**A club devoted to the art  
of throwing double sixes**

**B**LUE glass panels bordered in gold leaves and pilasters and a rug patterned with Calla Lilies and blue bow knots complete the background. Decorated by the late Mrs. John Alden Carpenter

## What's new in building and equipment

**HUMIDIFYING RADIATOR.** A radiator of humidifying type is suggested to improve air conditions in the new or the old dwelling during winter months. Such a unit may be installed in place of a radiator of the usual type. One humidifier is said to be sufficient to satisfy all requirements of the one family house.

Supplementing the heating system with humidification is recommended by the Hart & Hutchinson Co., which firm is offering a special unit said to automatically and noiselessly evaporate fresh water into pure air. Under normal temperature conditions, seven to fifteen gallons of water will be converted into vapor each day and diffused into the atmosphere of the six to ten room dwelling. Shrinkage of furniture and the hazards of ill health to the household are said to be considerably lessened by the use of such equipment.

**CONCEALED RADIO WITH REMOTE CONTROL.** Broadcast receiving equipment built into the residence has come. It combines radio entertainment with phonographic record reproduction. Loud-speakers are located at several strategic places about the house. Operation is vested in a push button control box, which may be plugged into any one of the control outlets provided as part of the concealed wiring of the complete system.

No longer is the sensitive mechanism of the radio receiver and reproduction unit accessible to the tinkering of the idle curious. It is housed in a steel locker cabinet, installed out of the way in attic, basement, garage or storeroom. The phonograph equipment is placed in some accessible closet, for it will still be necessary to load the magazine, although records will be shifted automatically.

Speakers are located where they will render to best advantage every type of program. Thus the stair hall ceiling is a logical place from which the loud volume of orchestral or organ rendition may come. Programs of a more intimate nature require speakers in small cabinets located in various rooms. Even the kitchen and the bathroom is now to be equipped for radio reception.

With development of this built-in equipment, efficient operation by remote control is offered. The manufacturers, Stromberg-Carlson Tel. Mfg. Co., have perfected a control box which will start and stop either the radio or the phonograph from any one of the outlets into which the box may be plugged. It will increase or diminish the volume from radio or phonograph and will switch the program to any one of the four

**These recent developments will interest home**

**owners and builders - By Gayne T. K. Norton**

or more speakers located about the house. Pressure upon the appropriate button will tune in any one of eight favorite radio stations silently and automatically. Other stations may be tuned in visually with equal ease and silence. Transfer of reception from some weak, distant station to a powerful one nearby will not be accompanied by loud blasts of volume.

**RUG ANCHOR.** As a lining under rugs and carpets, the sponge rubber product of the St. Clair Rubber Co. furnishes safety for those who use them and affords protection from the harmful, abrasive dirt that collects under woven floor coverings. Dust, grime and grit cannot penetrate this lining; these injurious substances are thus kept within sweeping range of vacuum cleaners. The product is moth and moisture proof and provides adequate insulation.

**WALL BOARD ACCESSORIES.** In the reconditioning of old homes, as well as in the construction of new ones, wall boards may now be used with greater assurance of satisfaction. The Upson Co. has developed a clinching fastener which is nailed to studding or furring prior to application of the board. The back of the wall board is driven against the prongs of these fasteners, care being taken to protect the face from damage by hammering upon a nailing block. Such unsightly surface evidence of nailing as nail heads or filled in nail holes is entirely absent.

The armored joint to protect that weak spot where two wall boards are butted together is another significant forward step. A stout, wafer-thin, perforated metal alloy strip has been developed by the United States Gypsum Co. It is two inches wide and is applied with a special cement made for this purpose. A joint that is thus protected cannot be detected by brushing the hand across it.

**MODERN GAS RANGE.** In line with the new vogue, a cabinet top range is being manufactured by American Stove Co. which is porcelain enameled in old ivory finish. It presents the advantage that with the top closed meddling fingers cannot get at the concealed gas valve handles. It is modern in its appearance and in the facilities provided for convenient cooking.

Rust-resisting metal finish and insulated oven indicate its usefulness for a long period of service with economy of operation.

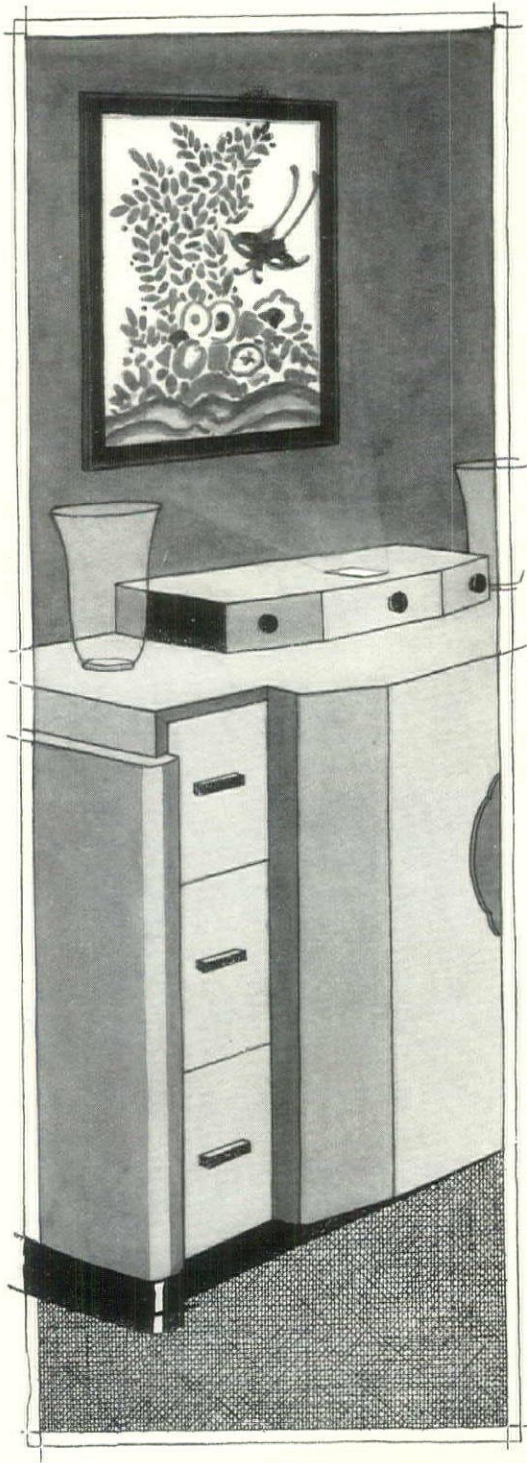
**DECORATIVE WALL FINISH.** A material is made available for wainscot and wall finish which has a high polished surface of unequalled appearance and long life. In original state it is plastic, and is molded under heavy pressure into sheet form. The finished material is capable of withstanding wear, fire and chemicals to an unusual degree.

Reproduction of fourteen wood finishes, two marble finishes, seven tapestry designs, three conventional designs and six plain colors, including black and white, is announced by Westinghouse Electric & Manufacturing Co. The marble finishes offer definite advantages over the quarried product in that light weight simplifies handling, toughness assures against breakage, non-porous structure prevents stains and the material is warm to the touch.

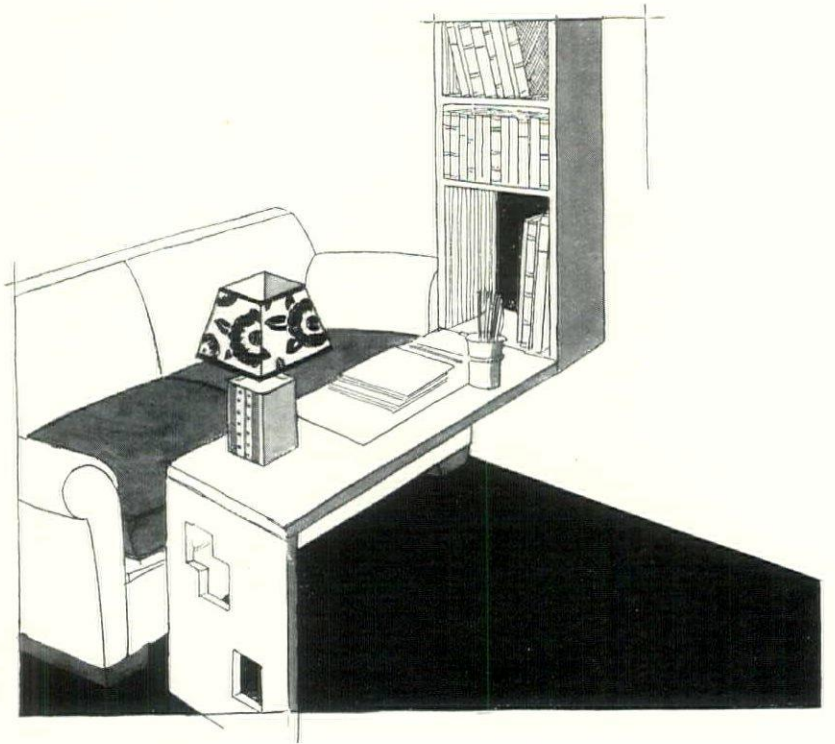
Tapestry designs are available not alone for wall decoration; they are equally effective for table tops, so that the housewife need no longer display cloth under glass. Put to this particular service the material will not break nor easily scratch, a lighted cigar will not mar its finish, nor can any ordinary liquid affect it.

**ELECTRIC REFRIGERATOR.** An enameled steel electric refrigerator is available in six models for families of varying size, wherein maximum shelf area in comparison to the size of the box has been provided. Accurate spacing of the shelves accommodates storage of a plentiful number of bowls and dishes. Seven point temperature selector, flat buffet top, and broom high legs, are additional advantages which will appeal to the housewife.

Forced draft cooling is a feature in the operation of the quiet mechanism of this refrigerator, manufactured by the Westinghouse Electric & Manufacturing Co. Complete isolation from outside interference is claimed for these operating parts, which are hermetically sealed in an air-, dust- and moisture-proof shell of steel. Mechanism runs in a permanent bath of oil, requiring no attention, and is further protected from overheating by a convenient automatic cut-out switch. (Continued on page 74)



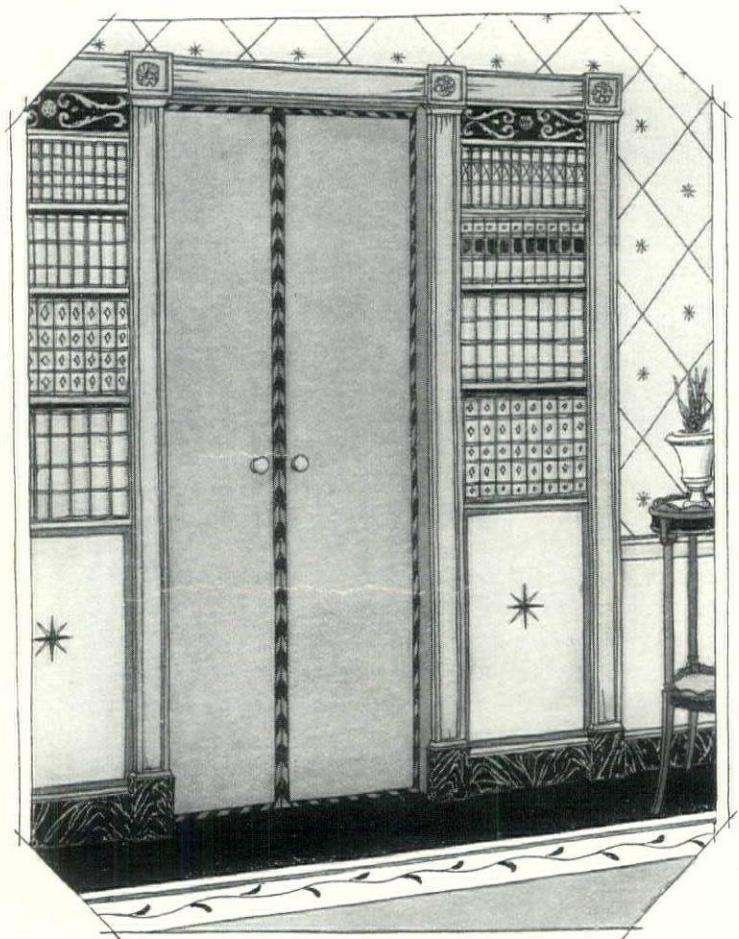
Fresh solutions of old problems  
are found in these seven ideas

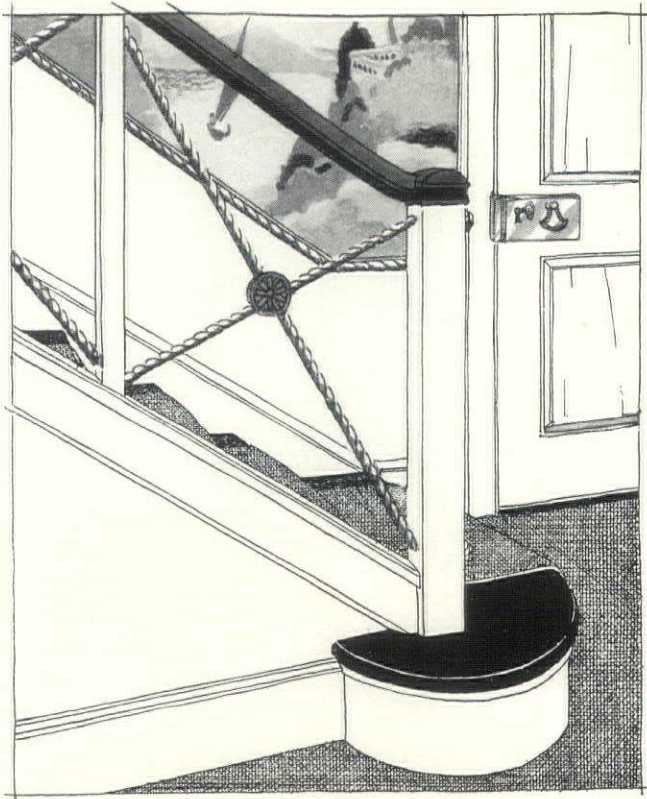


**I**N DIMLY lighted rooms it is often desirable to focus illumination on objects worthy of special lighting. This is done by concealed spotlights equipped with special lenses of the kind found on home moving picture projectors

**A** SIMPLE writing table can be made by using a narrow wall bookshelf with a hinged front which lets down. As the foot and bottom of the shelf are decorated, the effect when they fold back is that of a wall cabinet

**T**HE WIDE opening with sliding doors often cries for improvement. Use wood pilasters to cut down the opening and fill the side spaces with plaques of book bindings. The sliding doors are faced either with leather or fabric



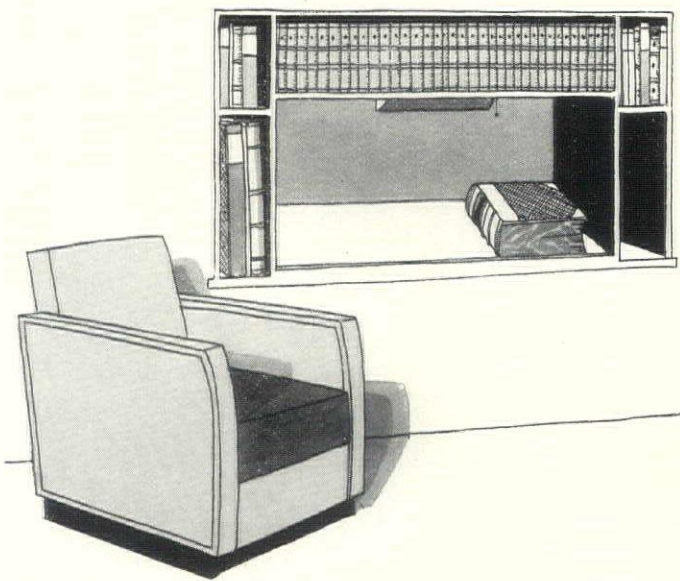
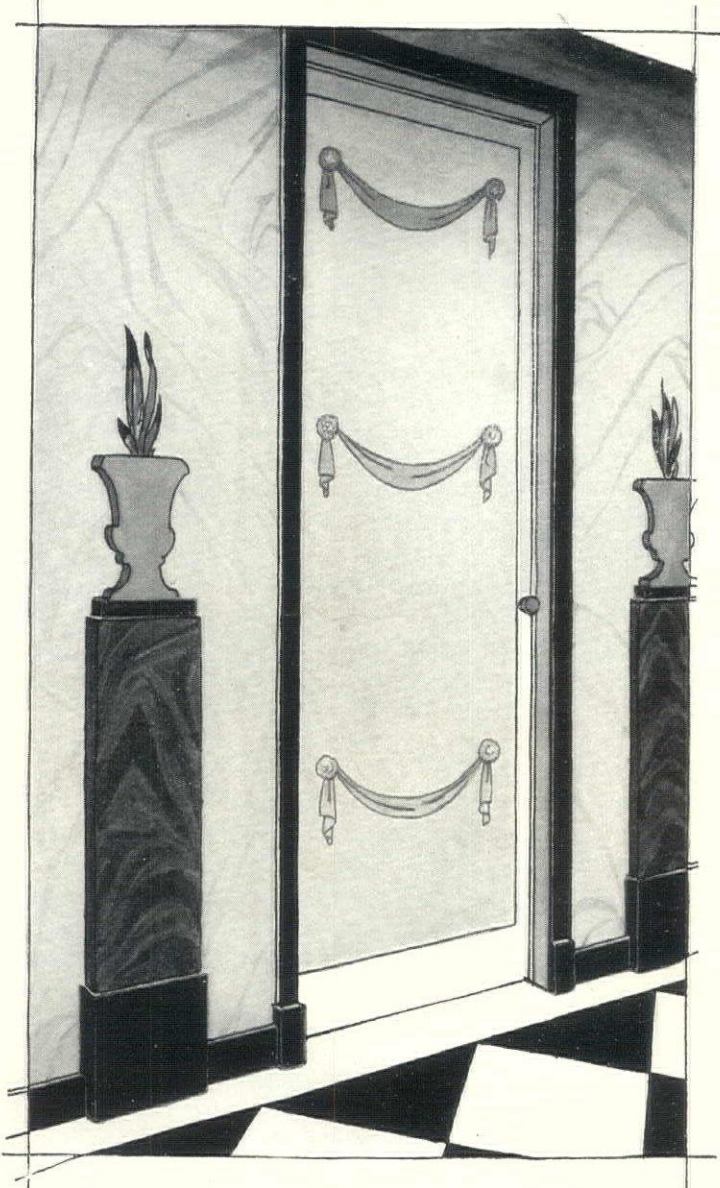
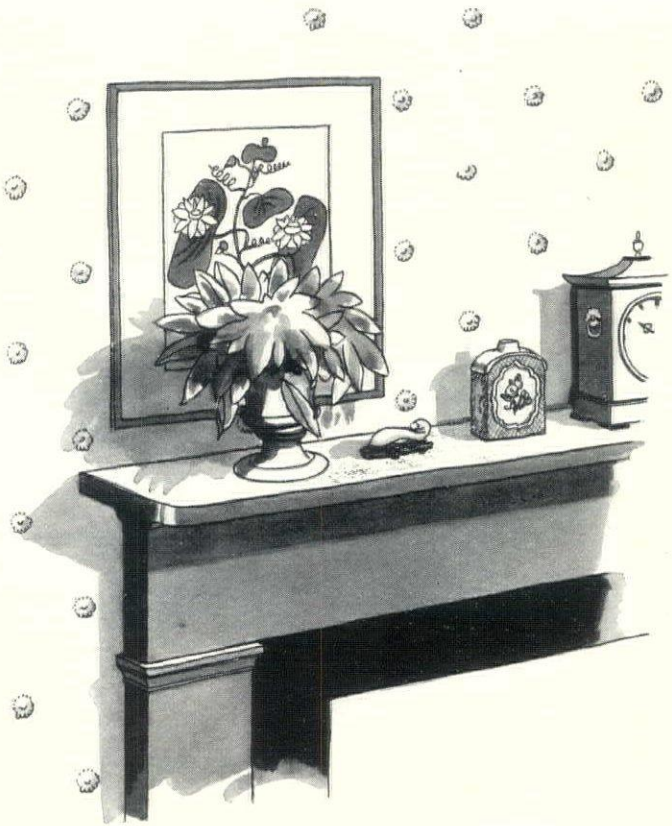


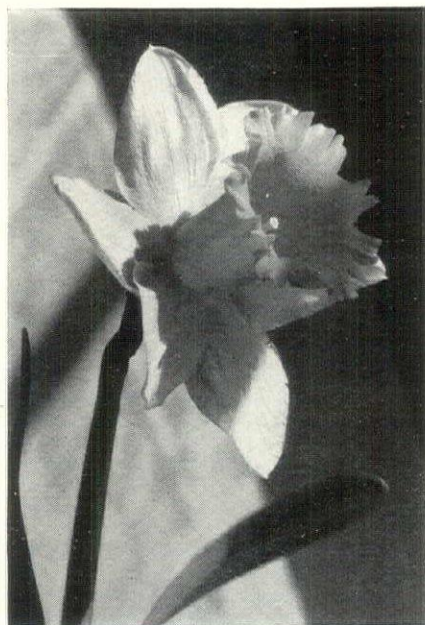
INSTEAD of wooden banisters in a Colonial hall, stretch cotton rope obliquely and paint it a color to match the railing. Carved wooden rosettes the same color grip the intersections

A SLANTING shelf would help solve the problem of those heavy tomes that one has to consult occasionally. An electric bulb above lights the book yet will shield the reader's eyes

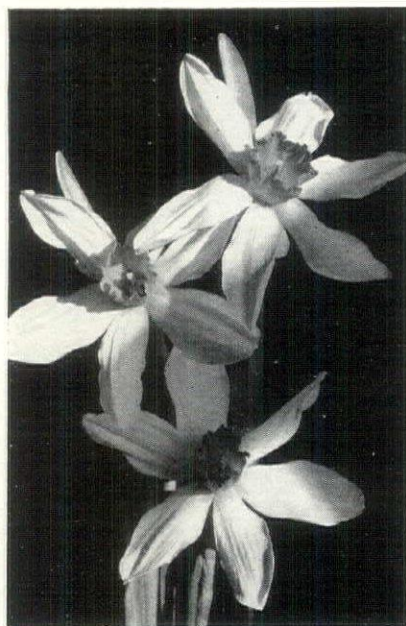
A PLEASING mantel effect may be made by placing a small urn of green leaves before a framed botanical print. When seen against a dark wall such a grouping will be especially attractive

TO DECORATE a narrow hall, use whitewood pilasters against Italian pink walls. Paint the base black, cover the column with gray marbled paper and the urn may also be gray





LONG TRUMPET



LEEDSII TYPE



DOUBLE FORM

## Meet the eleven tribes of Daffodil

By Mrs. F. Stuart Foote

IN THE minds of flower lovers and gardeners in general, there seems to be much confusion about the various classes of the big family of *Narcissus*. Is it not high time that this unnecessary situation be cleared up? Because, you see, the *Narcissus* is fast becoming one of the most important flowers in our American commerce. Few people have any conception of the magnitude of the *Narcissus* bulb growing industry in the United States or realize that it has attained a position of great importance to our horticultural and industrial world.

To those of us who dearly love our Daffodils, it is most encouraging to know that several garden clubs have formed permanent Daffodil committees and are quite successfully carrying on competitive test gardens for the purpose of gaining first-hand experience and knowledge about some of the varieties which are now in our country and that a number of excellent Daffodil shows have been staged this last year.

Within a year or so, gardeners who wish to have a well-rounded knowledge of flowers will give the *Narcissus* equal importance with the Iris, Rose, and the Peony. I suppose, however, we will always have the type of woman who said to me the other day, when I told her there were several thousand varieties of *Narcissus*, "Why, I always thought there were only three kinds—Daffodils, Jonquils and *Narcissus*."

Because of our varied climates, every

known kind of *Narcissus* can be grown in some part of the United States; and so we should become happily familiar with all of the eleven classes of this big family. We should learn at least a little of their origin, making a background for them in the countries where they grow wild.

The *Narcissus* family has a very wide range of habitat, extending from far northern Scandinavia to as far south as the Canary Islands and east through Morocco and Algiers to Kashmir, China and Japan. What a fascinating treasure-hunting trip that would make!

The species having the widest range is the very, very old Tazetta or Polyanthus type, commonly called "bunch-flowered" because they have many flowers on a stem (we all know the Paper-white *Grandiflora* of our greenhouses and our five-and-ten-cent stores). It is found in great variety from France to China. Being tender, it is confined to the warmer climates and is now being grown by the million in North Carolina, South Carolina, Florida, Texas and California. Perhaps a dozen varieties of these Tazettas are grown in the United States, while in 1800, nearly three hundred forms were grown in Holland for the supply of the European markets, where they were the popular flower before the big trumpet Daffodils came into commerce. A collector, travelling from Japan to Spain, could gather forty to fifty varieties of *Narcissus*, all quite distinct from each

other and growing as native wildflowers.

It is strange, however, that in all Great Britain, where the modern Daffodil is the most deeply loved flower, the "Lent Lily" (*Pseudo-Narcissus*) is the only variety that grows wild, covering the woods and meadows almost like a weed. The flower has no garden value as it is rather insignificant and will not stand transplanting.

In order to account for the origin of the various classes of the *Narcissus*, we must hastily review the most important events which led to the birth of the modern Daffodil. Less than one hundred years ago, in 1840, William Backhouse and Edward Leeds, two English business men, began to collect and grow *Narcissi* and to raise seedlings of their own from the cross-pollinating of these various varieties. Some dozen of their seedlings produced varieties well known in commerce today.

An intelligent, ambitious young man, Peter Barr, of the small nursery firm of Barr & Sugden, London, began to collect all the varieties then known to commerce. Later, he bought all the seedlings of Leeds & Backhouse, which he planted and grew in his own nursery, studying them for ten years. He selected one of the best and named it "Emperor" and this variety is now grown by the million. He made journey after journey to collect the species varieties wherever they grew wild, took them home and studied them. He wrote about *Narcissi* and lectured all over the world, so winning his right to be called the King of the modern Daffodil. The present firm of Barr & Sons, located in London, does honor to his name.

Many hybrids were raised and the English gardeners became interested in hybridizing. By crossing small white trumpet Daffodils with various *poeticus* varie-

ties, an entirely new type was produced with a shorter white trumpet, which was called *Leedsii*, after Mr. Leeds, and another with still shorter cups, called *Barrii*, after Peter Barr.

In 1629, John Parkinson describes ninety-four varieties of Daffodils. He was a great lover and grower of the Daffodil and is the raiser of the first seedling of which there is any record. In writing about a big yellow variety he says, "I think none ever had this kind before my selfe, nor did I my selfe ever see it before the year 1618, for it is of mine own raising and flowering first in my Garden."

More than two hundred years later came the splendid work of Dean Herbert, Hawthorth and others. Next followed the creations of Leeds, Backhouse, Barr and their contemporaries, with which our present group of wonder-working hybridizers began their work of improvement.

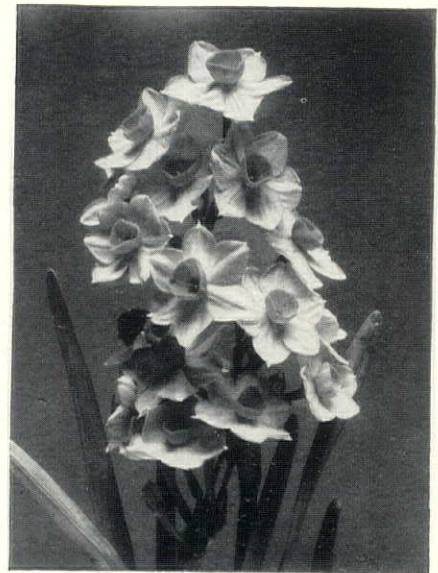
The most famous of these modern men is Rev. George Engleheart, of Dinton, Salisbury, England, whom the Rev. Joseph Jacobs calls "the Daffodil maker", because he has originated by far the most of the marvellous novelties of the past fifty years. He is a descendant of Dean Herbert and seems to have inherited some of the brilliant qualities of that man of science. He is over eighty years old today but for all that is still producing the finest outstanding varieties which make him hold his place of loving honor throughout the Daffodil world. I have never met a finer man

nor one whose friendship I value more highly.

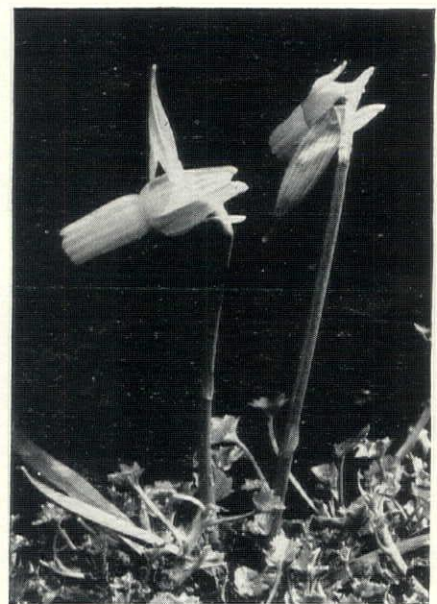
Then there are Mr. Guy Wilson, who we hope will come over to lecture to us this fall, Lionel Richardson, A. M. Wilson, P. D. Williams, Mr. Crossfield, Copeland (the man who has given us such marvellous new double varieties as Mary Copeland), Herbert Chapman, R. H. Bath, Ltd., F. A. Secrett, Barr & Sons, William Backhouse, Mrs. R. O. Backhouse, Miss Ellen Willmott, The Brodie of Brodie Castle, Scotland, and many, many others like them. Every year more and more enthusiasts are beginning to hybridize and grow seedlings. It takes from four to five years from the time the seed is sown until the flower develops. That requires much patience, but I ask, "What other kind of sport is there which holds for the winner five whole years of anticipated joy?"

And so the varieties are crossed and re-crossed, married and inter-married, and new forms have come into being, and the Royal Horticultural Society of London has scheduled eleven classes for the placing of a flower in its proper group.

But first, we simply must answer that old question which shows the very common confusion in terms. "What is the difference between a Daffodil, a Jonquil and a Narcissus?" I have often heard a satisfied sigh of relief when I begin to answer this question. It is so easy when you remember that Narcissus is the big family name—that no matter what the class may be, it is a *Narcissus*. Now the (Continued on page 90)



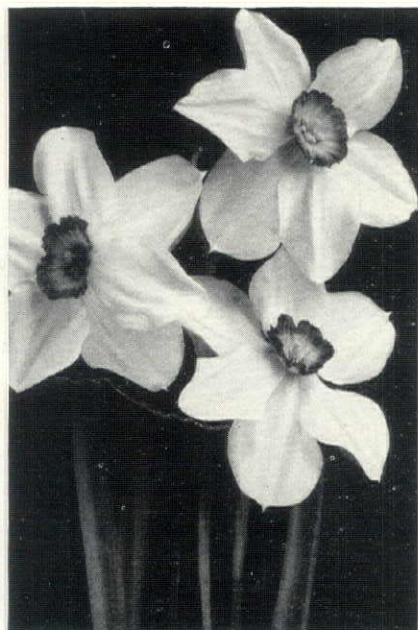
TAZETTA



CYCLAMINEUS



TRIANDRUS



POETICUS TYPE



INCOMPARABILIS



## A duplex in Manhattan

### becomes Eugene O'Neill

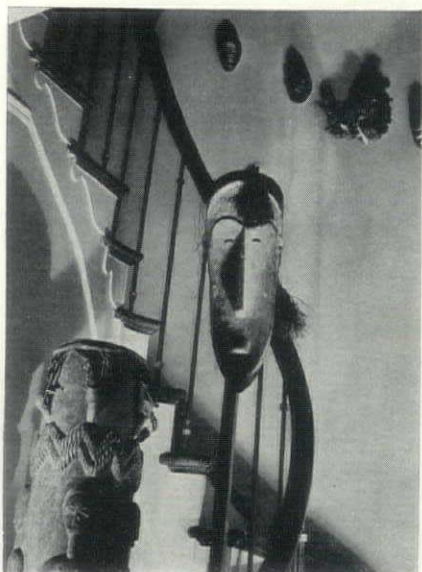
**EUGENE O'NEILL** and his charming wife, Carlotta Monterey, when in New York, enjoy the surroundings of a duplex apartment into which they have gathered mementoes of their travels. The bedroom, shown at the left, has an antique Chinese dressing table of carved and gilded lacquer lighted by tall cat-tail candelabra

**I**N THE living room pale water green walls, coral red satin curtains and a black carpet form the background. A barrel chair is covered with a chintz in mauve, yellow and coral on blue. Here also are found antique Chinese lacquer pieces in brown and gold and a collection of old Chinese pewter, paintings and rare objets d'art



Anton Bruehl





THE narrow winding stairway that connects the two floors is ornamented with a collection of macabre African masks and rare native drums that Mr. O'Neill brought home from French equatorial Africa. These are set against a background of green walls



SINCE ships and those who go down to the sea in them are Mr. O'Neill's hobby and have figured in his plays, it is natural that his study be decorated with them. The rug here is Chinese in sapphire blue and the same color is used for the window curtains and chair coverings. The furniture is mainly Early American in type

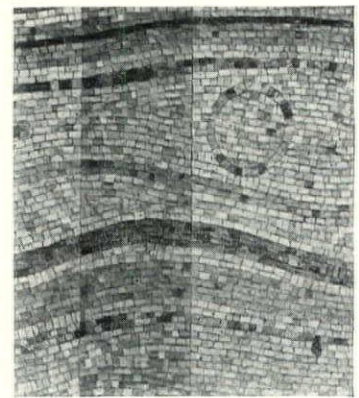
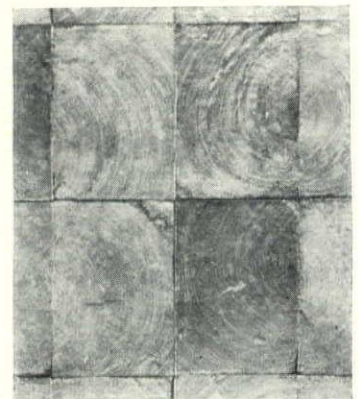
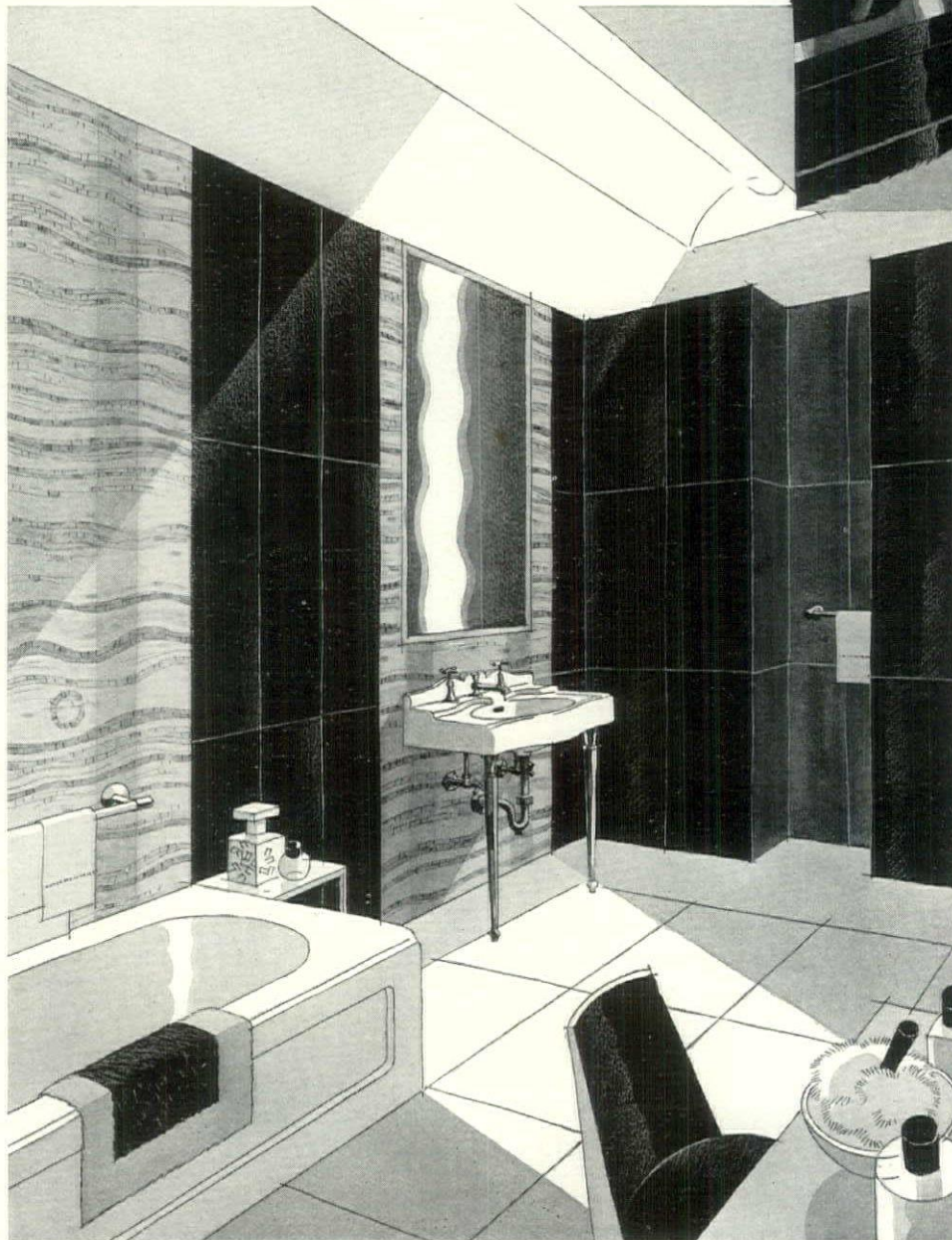
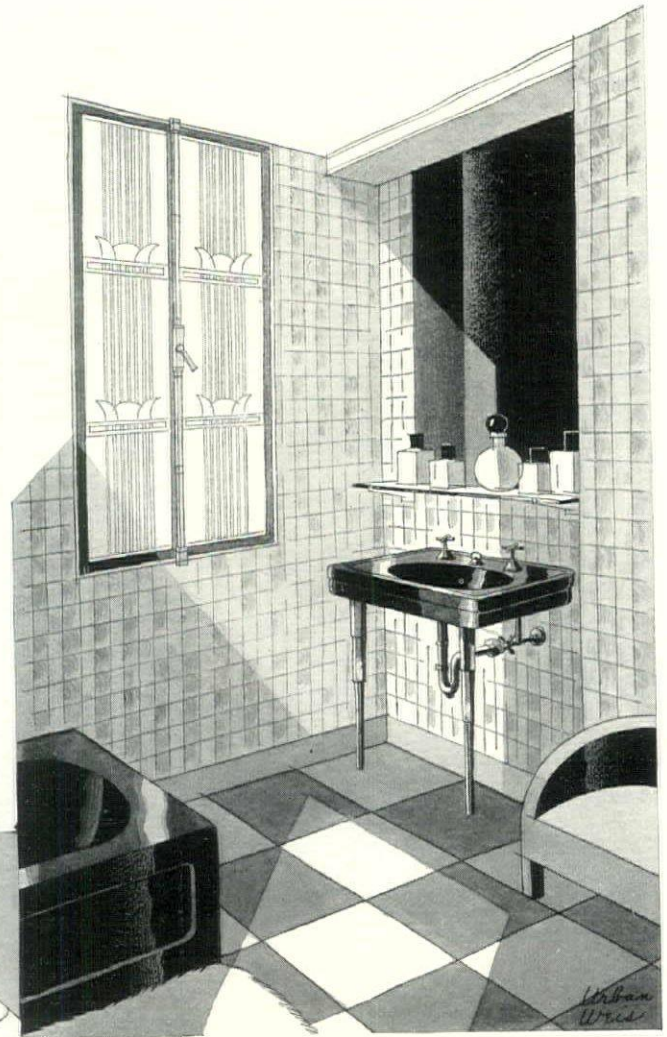


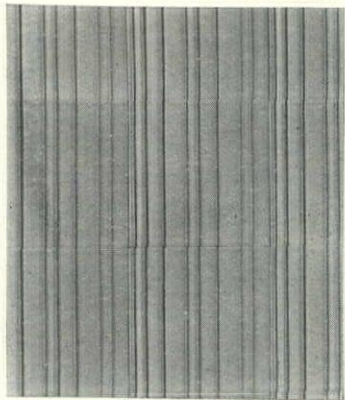
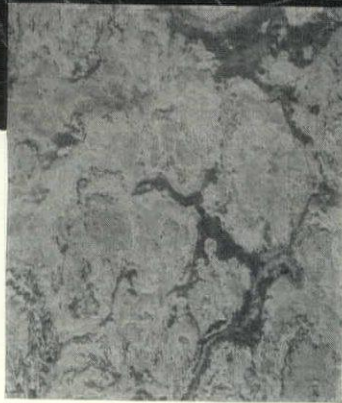
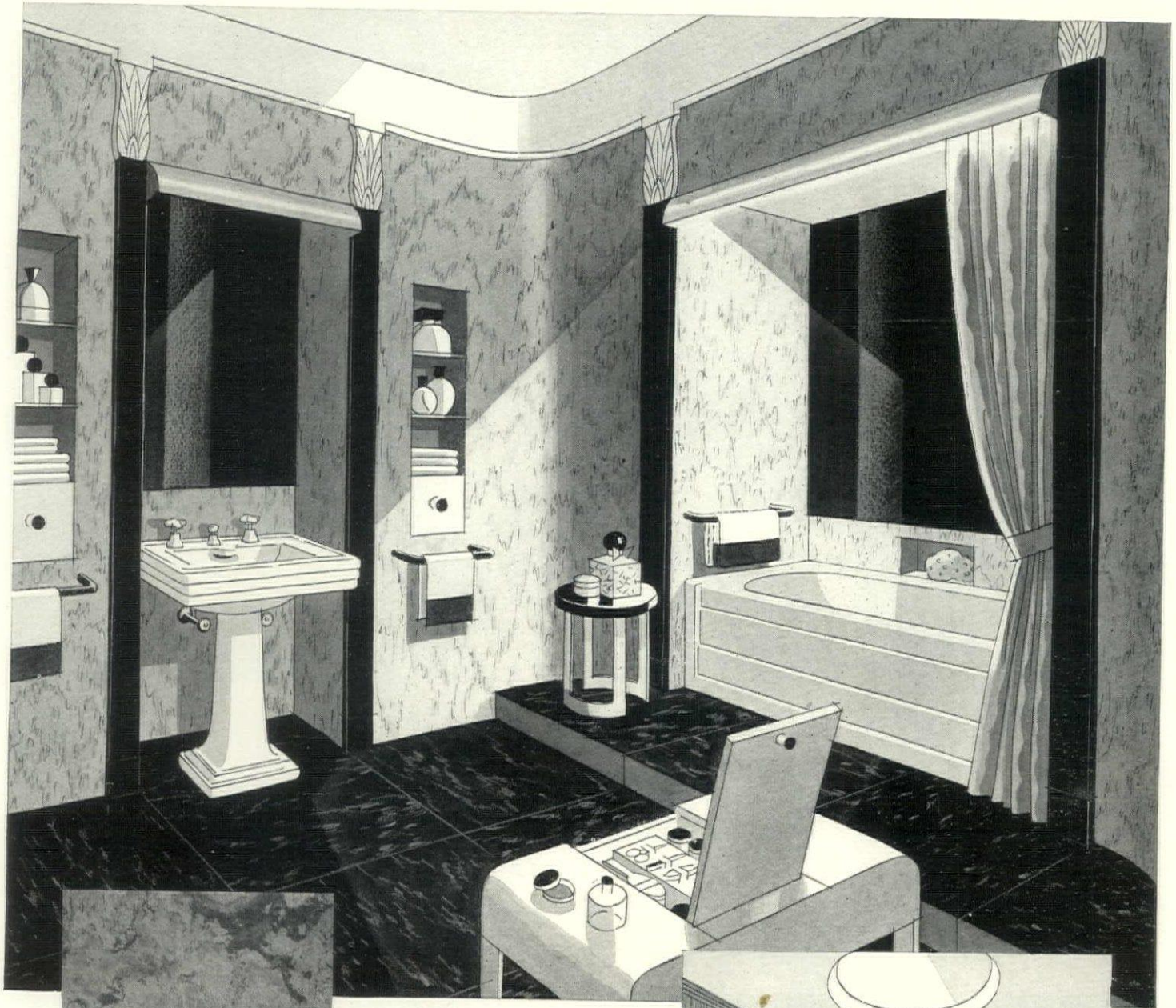
ONE of Zuber's famous wallpapers, "Scenic America", covers the walls of the dining room. Against its brilliant colors are set interesting pewter sidelights, Georgian silver and 18th Century America mahogany furniture. The rug is eggplant and the satin curtains are of the same tint. The decorations are by the Chintz Shop

### Backgrounds for modern bathrooms show smart effects that will endure

THE FOUR bathrooms illustrated reveal new wall treatments. Mosaic in a pattern of red, blue and green waves alternates with black vitrolite panels on the walls of the bath below. The Kohler fixtures are cream porcelain; the floor is covered in green and tan rubber tile

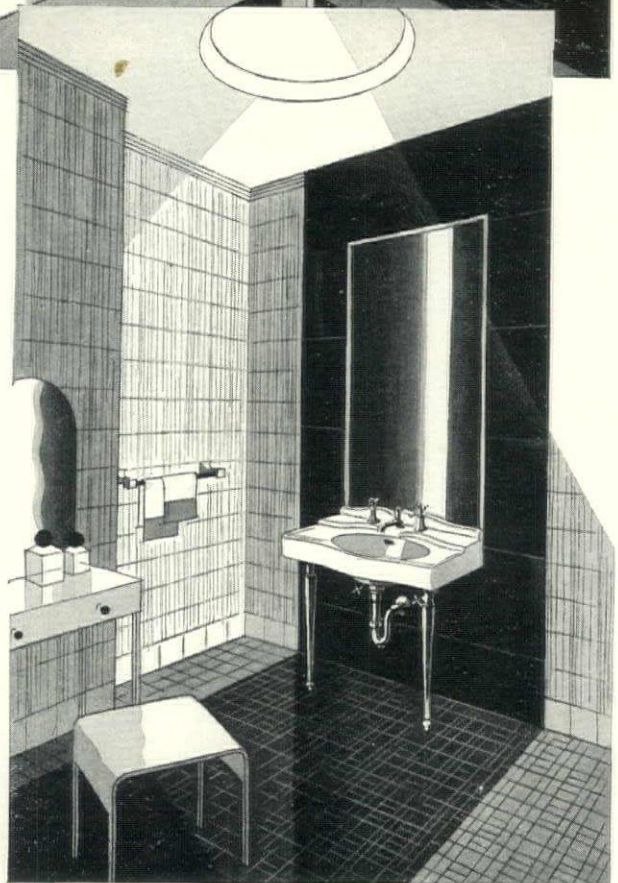
OF SHINING distinction is the room at the right. The walls are covered with gold shells, their soft iridescence accented by gleaming black porcelain fixtures. Fittings are of chromium in pewter finish. Both these baths were designed for the Kohler Co. by Ely Jacques Kahn

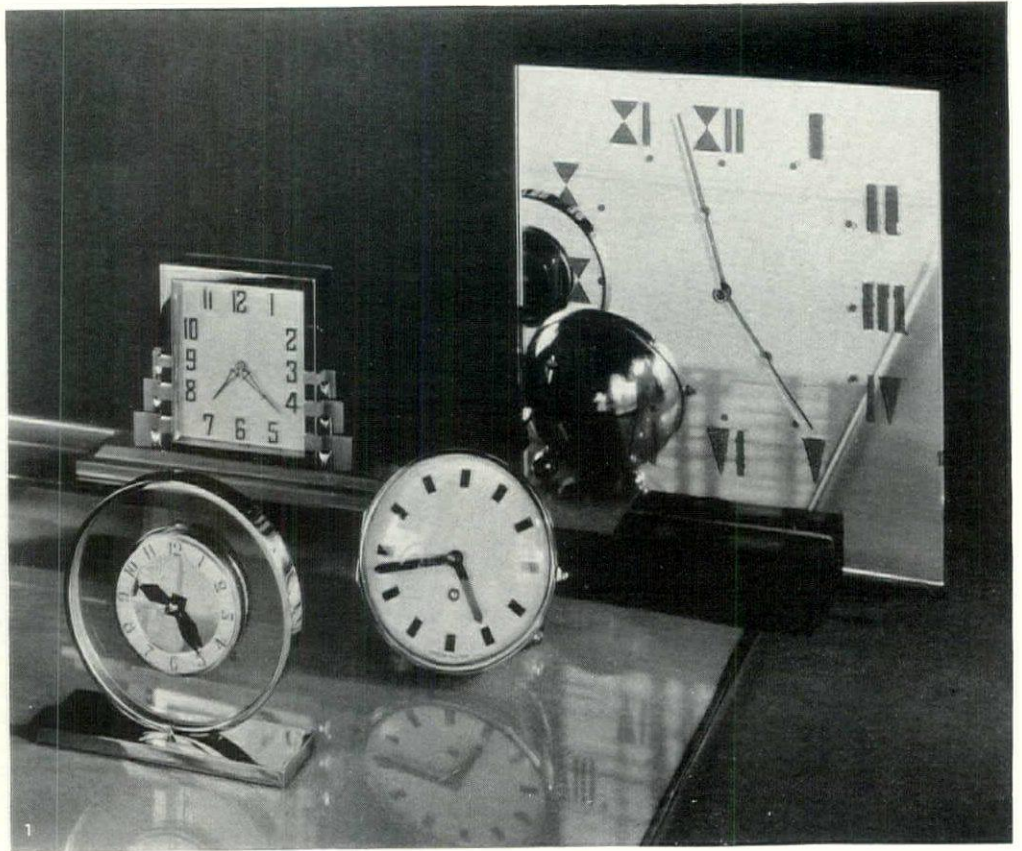




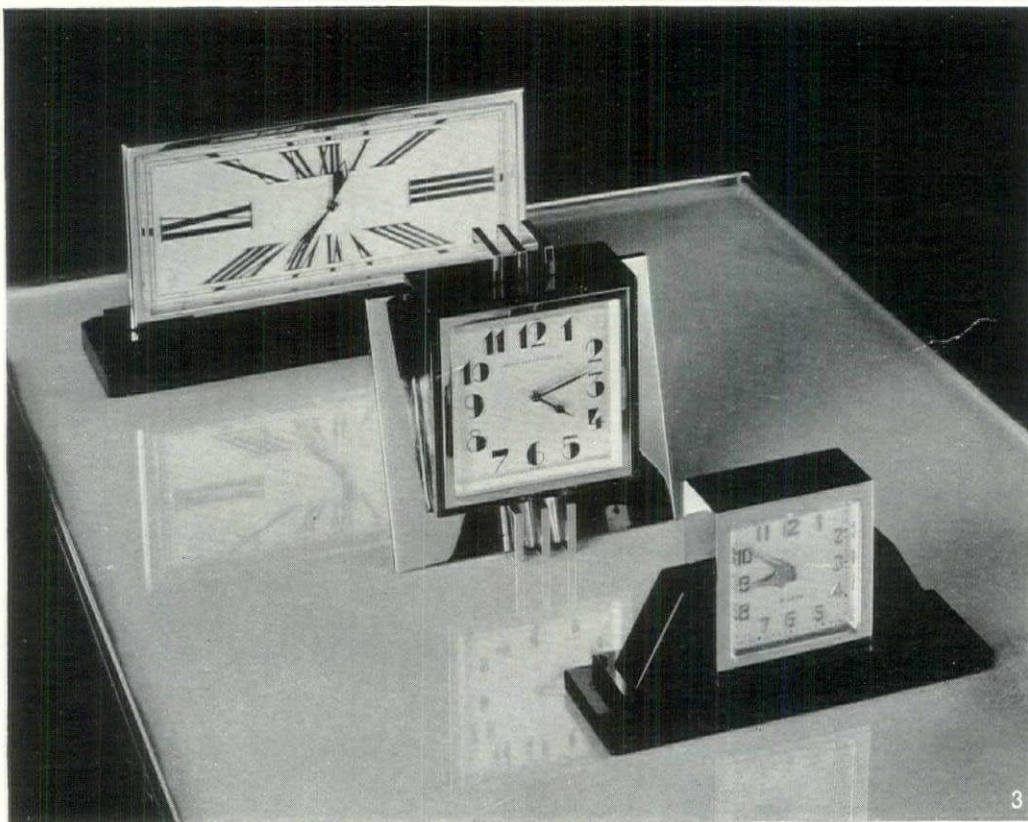
THE MARBLEIZED walls, punctuated by black painted pilasters, in the room above are achieved with a new Sealex wall covering in tones of gray-green mottled in golden beige. Congoleum-Nairn, Inc. In contrast to this background are the porcelain fittings in citrus yellow. From Crane Company

THE HORIZONTAL lines of the blue-green modern tiles on its walls increase the apparent size of the bathroom shown at the right. The tiling is interrupted by panels of black vitrolite; porcelain fixtures are green with fittings of chromium. This room was designed for Kohler by Ely Jacques Kahn





**Chromium, glass, wood inlay and mirror  
make distinctive clocks to meet the time**



Martinus Andersen

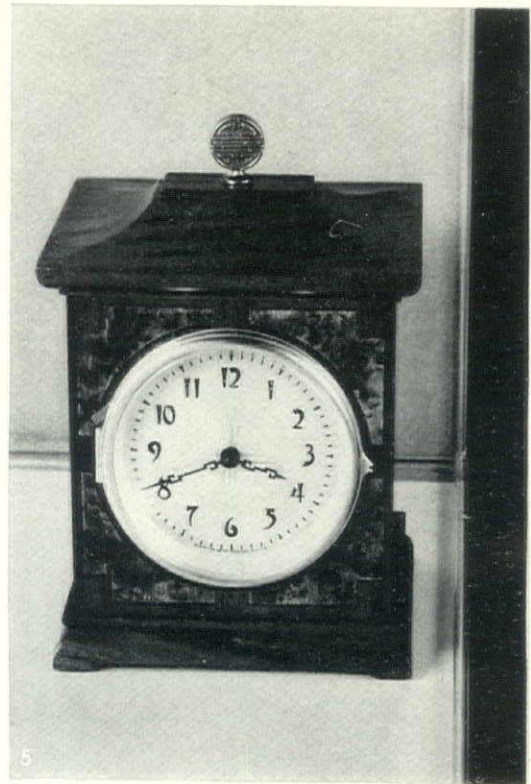
**1.** COPPER mirrored glass with etched numerals; Les Arts Modernes. Clock without numerals; Rena Rosenthal. Chromium and green squares decorate a clock from Cartier. Time is told in circles of crystal and chromium; Greenleaf & Crosby

**2.** THE graceful lyre clock, of excellent workmanship and fine design, brings to mind the high ceilings, fine boiseries and luxurious fabrics of the Louis XVI period. It is a practical objet d'art well worthy of treasuring always. From Jacques Bodart

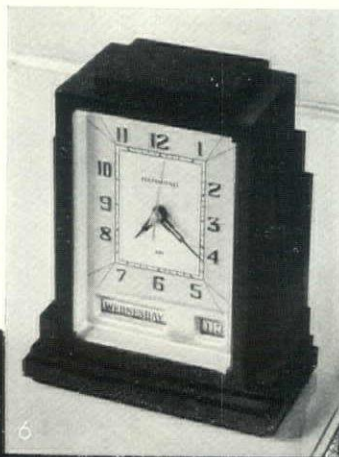
**3.** CHROMIUM with an onyx base—a low, oblong clock from Black, Starr & Frost-Gorham. Another desk time-piece is carried out in green marble and chromium; Greenleaf & Crosby. A black onyx pyramid holds a small chromium clock. Udall & Ballou



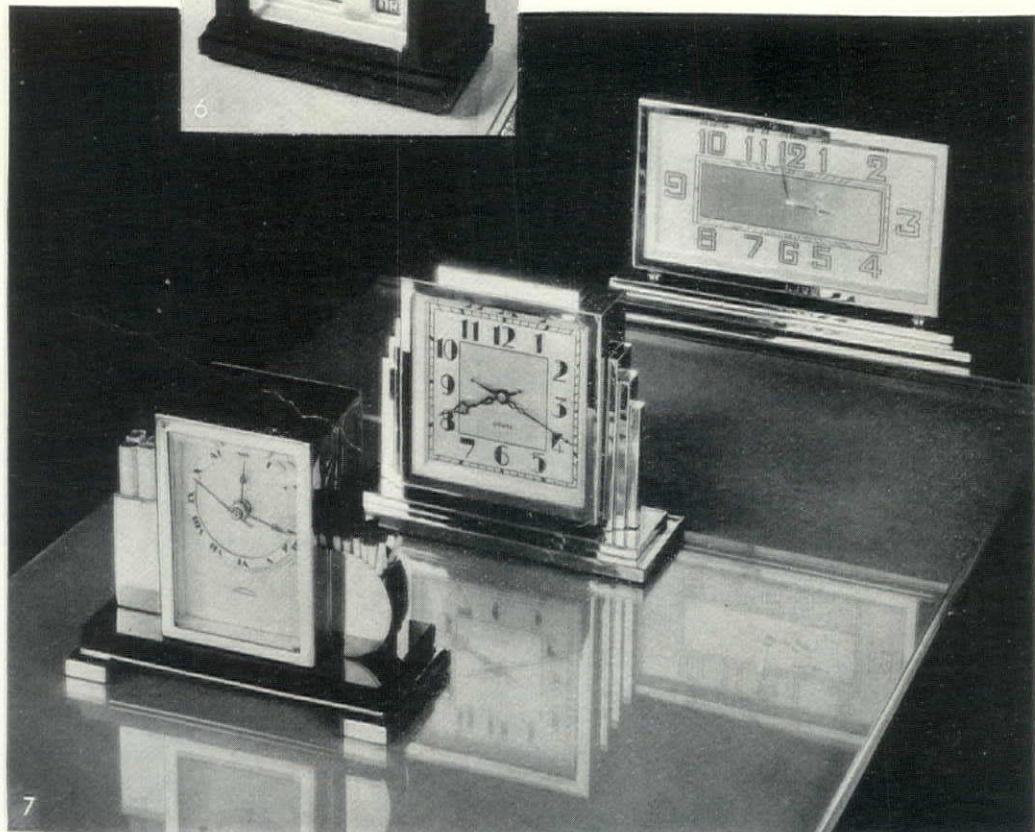
4. CHIPPENDALE influence shows in the dignified curves of the electric "Surrey" clock. Its case is mahogany. The more elaborate Nottingham model has an inlaid mahogany case. Both go well in English and American interiors. Warren Telechron



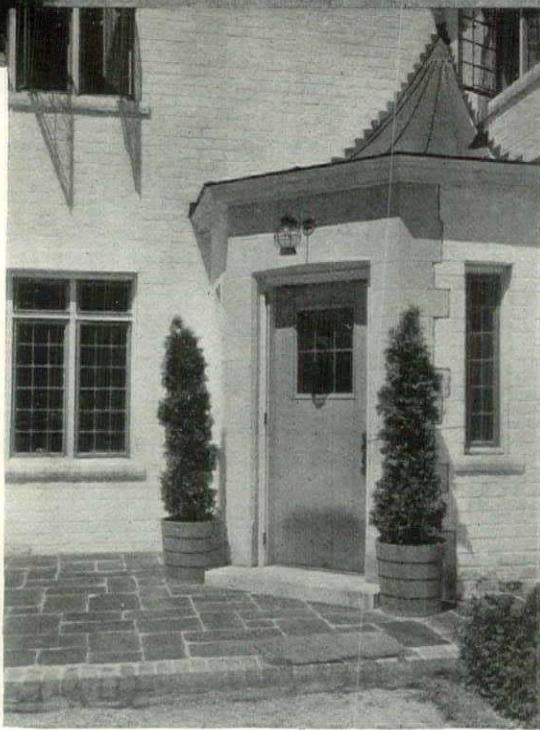
5. ANOTHER distinguished timepiece showing the Chinese Chippendale influence is the Nanking model at the extreme right. It is electrically run and has a walnut case. The Chinese symbol for good luck is on the finial. The Seth Thomas Clock Co.



6. BLACK bakelite in a set-back skyscraper design frames an attractive electric clock that was designed by the Hammond Clock Company. The face is finished in silver and upon it appear the day of the week and the date, as well as the correct time



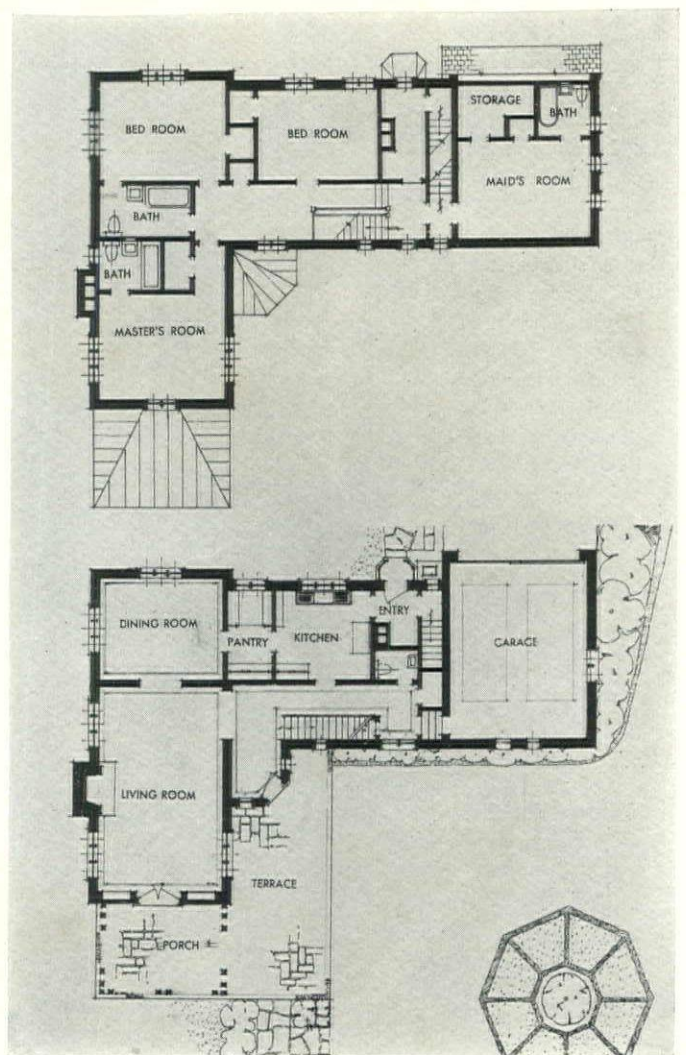
7. A CHROMIUM and onyx electric clock holds matches and cigarettes; Black, Starr & Frost-Gorham. Another desk piece—the Athena—has simple vertical lines in chromium. The Minerva model is gold-plated. Both from Chelsea Clock Co.



Tebbs &amp; Knell

THE RESIDENCE that Erle G. Stillwell, architect, built for himself at Hendersonville, N. C., is carried out in whitewashed brick. In design it shows features after both English and French precedents. The principal entrance is located at the junction where a right-angle wing meets the house

BECAUSE of its "L" formation, with practically all rooms house depth, excellent light and air circulation are at all times assured. Rooms are situated in logical position according to function, and segregation of service from living rooms is complete. C. D. Beadle, landscape architect



### One house from two countries

## Thus can you keep your evergreens spruced up

WHEN the last shovelful of dirt has been tamped in around your evergreens, when the nurseryman has gathered up his tools and has driven off in his truck and you have surveyed the effect of his planting with satisfaction, do not think that your house has achieved a permanent setting. Don't dismiss your evergreen plantings from your mind when you send your check to the nurseryman. For trees and shrubs are growing things, and like all growing things can either increase in beauty or can retrogress into distressing sparseness and manginess. This is especially true in regard to evergreens.

Everyone has seen groups of evergreens, planted against the side of a house, which after they have weathered a few winters, are yellow, dusty, thin and unshapely, looking very much like the mongrel cur that has been out challenging all of the hounds in the neighborhood. Yet these same evergreens, when put into the ground by the nurseryman, seemed perfect. They were richly green, they were symmetrically trimmed, and they seemed to fit very aptly into the background for which they were designed.

THE first instinct of the householder as he surveys the havoc wrought by a few tough seasons is to blame the nurseryman, to consider that he has been "stuck" and that the evergreens were by no means the specimen trees that they were represented to be. Of course, poor trees do get sold, but ten chances out of eleven the retrogression is not the fault of the nursery. If those trees had received the proper care, they would still be glossy and alert instead of slinking against the side of the house, trying to hide the forlornness of their depleted branches.

There are two things which evergreen trees—conifers—must have. One is sunlight most of the day, and the other is a rich, well drained soil that is acid to neutral rather than sweet.

Think of the native homes of most of the evergreens. Think where you have seen the best looking wild Hemlocks. On the southern slope of a hill? There they receive sunlight, they are partially protected from the heaviest wind and they have a well drained soil for their roots.

The Red Cedars grow native in the open pastures and on hillsides. From Virginia south, where the climate is mild, they love the open sunny field, but as they come north—as they do even into Canada—one finds them showing in the more protected sunny spots.

On wise selection, soil and site depends in large

part their continued beauty • By Maurice Condon

And no matter how effective a planting of evergreens may look in the architect's drawing along the shady side of your house, remember that coniferous evergreen trees love sunlight. Therefore, decide instead to plant the broad-leaved types, Rhododendrons, Laurel, Azaleas, etc. Boxwood also enjoys some shade and acid soil. These broad-leaf evergreens will flourish in the shade, for they live deep in wooded glens, with rocky slopes towering above them, and with huge forest trees keeping the direct rays of the sun away from them and feeding them with their decayed leaves.

BUT if your mass planting of the small-leaf evergreens, the cone bearers, is away from extreme exposure, and is not overshadowed by shade trees, there is still much that you can do to keep it looking as fresh and chipper as when planted.

One thing you must remember: trees from a nursery have been receiving constant and expert care from their seedling days to the day when they are planted into your grounds. It is not logical to expect them to go right on flourishing for the rest of their lives without any more of the care to which they are accustomed. After having spent their childhood days in the hands of experts they are suddenly planked down in the midst of laymen and expected to work out their own salvation.

OF COURSE, if you have retained a landscape architect or if your own gardener is himself an expert, they will continue to flourish, provided that your enthusiasm for a particular shrub or tree in a particular place has not put your planting in the "paper" class rather than the Nature class.

It is the first winter which will leave its marks upon your evergreens. Summer, given sunlight, will come nearer to taking care of itself, but when the first frost comes, that is the time that you should be most careful of your trees—from then until the last frost is out of the ground. And this is the time that most of us forget that we have gardens and expect Nature to take care of Pines and Hemlocks reared under the watchful eye of an expert.

Preparations for the winter, that first

critical winter, must start early in the season. Evergreens respond gratefully to cultivation. Keep the ground under the tree well loosened and cover it with a mulch of well rotted stable manure during the first year. A mulch of straw or hay will do, but it is not so effective as the manure, as these materials have no fertilising value, although like all good mulches they help retain moisture in the ground. Never allow large weeds to get started under your evergreens, especially weeds large enough to come through the first branches. Not only do the weeds choke up the branches and cause them to die off but they also take moisture and nourishment away from the trees. Later, after the tree is established, a sod can be developed under the trees, but it is always necessary to keep away the weeds.

Avoid the use of fertilizers that contain any quantity of lime, for evergreens like their soil acid to neutral. Very few of them flourish in sweet alkaline soil.

SCARCELY any evergreen will do well in wet or even moist soil, which is another factor seldom realized by the new owner of a clump of evergreens. In their native habitat, Hemlocks and Arborvitae can stand moisture in the soil, but once they have been cultivated, they react to wet soil the same way that the other evergreens do. They grow yellow and straggly.

This does not mean, however, that they should never be watered, especially during the first year or two and until they become well established and after that in times of drought.

The tops should also be moistened. Once a day during the first few weeks, syringe off the branches of the young tree with clear water, for it is at the leaves that the evaporation takes place.

And just before the tree enters its winter fight with the elements, see that there is plenty of moisture in the ground under it. No evergreen should go into the winter without moisture in the ground. If the soil is dry, great damage can be done to it on those warm windy days which sometimes come in the middle of March. The sun shines warm, the top of the tree starts calling for sap, the roots cannot draw up any water from (*Continued on page 84*)



Martinus Andersen

**Black and white now replace  
color in the modern kitchen**

THE LATEST phase of black and white in decoration is this new kitchen china from Germany. For the sophisticated kitchen scheme, and to get away from the pretty colored effects used so long, we advise these dishes with their interesting shapes, fluted surfaces and vivid markings. All necessary pieces available from Bloomingdale's



# HOUSE & GARDEN'S ANNUAL

## GARDENING GUIDE

The species suggested on these pages do not include all the desirable plant material available, but constitute a tried and tested nucleus with which to begin. In the notes, "R" signifies suitability for rock gardens. "D" means ability to succeed in dry soil and hot sun, and "S" indicates shade or partial shade. These lists were compiled by F. F. Rockwell

NAME	HEIGHT	CHARACTER AND USE	NAME	HEIGHT	CHARACTER AND USE
<b>DECIDUOUS TREES FOR THE NORTHEAST</b>					
Oak ( <i>Quercus</i> )	75'-100'	Very long lived; regal in appearance; mostly horizontal in general effect; vertical in some, such as Pinoak; excellent for shade and permanence; numerous varieties.	Plane ( <i>Platanus</i> )	80'-100'	Rapid growing; irregular horizontal branches; satisfactory under wide range of conditions; excellent street tree and also for specimens and for shade; bark decorative in winter.
Elm ( <i>Ulmus</i> )	100'-125'	Most graceful of all large trees; roots deeply; withstands wind and dry weather; English Elm holds foliage longer; Chinese Elm ( <i>Parsifolia</i> ) most rapid growing.	Tulip Tree ( <i>Liriodendron</i> )	100'-125'	Dignified pyramidal tree of rapid growth and great size; fine foliage and beautiful flowers in June, somewhat resembling Tulipa; splendid native tree excellent for specimen or shade or street, meriting wider use.
Beech ( <i>Fagus</i> )	80'-100'	Spreading, open growth, fairly rapid; bark decorative in winter; Purple Beech fast grower and ideal for dense shade; this and Weeping Beech especially good as decorative specimens.	Ginkgo ( <i>Salisburia</i> )	50'-75'	Irregular, often erratic growth; usually horizontal lines; extremely hardy; good for exposed positions, shade, specimen and street planting.
Maple ( <i>Acer</i> )	75'-100'	Very fast growing but not very long-lived; excellent for shade and for spring and autumn coloring; prefer moist soil; hard on neighboring plants; Norway M. one of best.	Birch ( <i>Betula</i> )	40'-80'	Comparatively short lived but easily grown and always worth planting because of contrast with other deciduous trees and evergreens; cut-leaf and weeping forms especially desirable as exotic specimens. D.
Willow ( <i>Salix</i> )	40'-50'	Most airy graceful of all large trees; extremely rapid grower, decorative even when small; can be kept cut back to desired size; excellent for shade; especially effective when near water; desirable in every way.	Dogwood ( <i>Cornus</i> )	15'-20'	Small tree; hardy and long-lived; excellent near residence to accentuate horizontal lines; beautiful white or pink flowers in spring, fine foliage in autumn; free from troubles; extremely satisfactory.
Poplar ( <i>Populus</i> )	50'-100'	Most rapid growing family of large trees; both broad and spreading and upright forms, as in the Lombardy; comparatively short lived; excellent for temporary use. D.	Crab ( <i>Malus</i> )	15'-25'	Flowering small trees; excellent for spring decorative effects within the garden, or showing over the garden wall; also as specimen for small lawn.
<b>EVERGREENS (Northeast)</b>					
Pine ( <i>Pinus</i> )	40'-100'	Mostly naturalistic or picturesque in habit, especially with age; easily grown, long lived, stand exposed positions; many varieties thrive in light, sandy soil where most other evergreens would not do. D.	Redcedar ( <i>Juniperus virginiana</i> )	5'-50'	Moderate sized evergreen, mostly of pyramidal form and fairly rapid growth; extremely hardy; the one indispensable evergreen for moderate sized places and adverse conditions; thrives even in sandy soils; may be clipped or pruned to desired size; fine for screens, hedges, specimens; Silver Redcedar ( <i>Virginiana glauca</i> ) for variety. D.
Hemlock ( <i>Tsuga</i> )	40'-75'	Most graceful of the very hardy large evergreens; excellent for specimens, also for windbreaks and sheared for hedges; thrive in shade; prefer moist acid soil. S.	Juniper ( <i>J. chinensis</i> and others)	3'-30'	Great variety in form and size; <i>Chinensis</i> varieties hardy to New York or Southern New England in sheltered localities; <i>C. columnaris</i> , narrow upright evergreen for Northern limits, rapid grower.
Spruce ( <i>Picea</i> )	40'-75'	Graceful, pyramidal form, usually horizontal effect in branches; rough bark, pendant cones; excellent for specimens, groups and windbreaks; also sheared for hedges; generally more satisfactory than Firs, except under ideal conditions.	Yew ( <i>Taxus</i> )	3'-30'	Darkest foliage and most beautiful in winter; upright and spreading forms; for foundation planting, groups, borders and hedges; Dwarf Japanese Yew especially good for latter; Hicks Yew a new hardy upright.
Fir ( <i>Abies</i> )	40'-75'	Similar to Spruce, less graceful; smooth bark, upright cones; likely to become ragged with age, especially when planted singly.	Cryptomeria ( <i>Cryptomeria</i> )	15'-30'	Deep green foliage, bronzing in winter, irregular in habit; tropical appearance; good in sheltered locations to New York; thrives near shore.
Douglas Fir ( <i>Pseudotsuga douglasi</i> )	50'-100'	Vigorous, healthy, rapid grower; young growth especially beautiful in spring; more satisfactory than either Firs or Spruces under average conditions outside of the natural evergreen belt, remaining handsome to old age; specimens, windbreaks and hedges.	Cypress ( <i>Chamaecyparis</i> )	3'-25'	A large group including many dwarf and decorative foliage varieties of high coloring; for foundation plantings and groups in locations protected from drying winds.
Arborvitae ( <i>Thuja</i> )	3'-30'	Numerous dwarf forms of various shapes; American ( <i>Occidentalis</i> ) varieties hardiest; Oriental groups to New York; good for foundation planting, evergreen hedges, for color foliage effect, with taller varieties for screens and hedges.	Larch ( <i>Larix</i> )	30'-60'	Deciduous evergreen of upright, hardy, rapid growth, European and Japanese species; especially beautiful in spring when new foliage growth appears; cones decorative; should be used wherever evergreen effect is desired in summer but sunlight in winter. D.
<b>EVERGREEN SHRUBS (Northeast)</b>					
Rhododendron	6'-15'	Largest and most impressive of all extremely hardy evergreen shrubs; covered with masses of gorgeous flowers in May and June; native species are the hardest and most satisfactory for naturalistic planting.	Leucothoe	5'-6'	Long drooping sprays of creamy white blossoms; thick shiny foliage coloring beautifully in autumn; good in mixed border and for edging Rhododendrons or other evergreens; native, hardy; extremely satisfactory. S.
Laurel ( <i>Kalmia latifolia</i> )	4'-10'	Native Mountain Laurel; picturesque growth; evergreen foliage beautiful the year round; excellent in shrubby border, foundation planting or naturalizing; sun or shade; like Rhododendrons, requires acid, peaty soil. D. S.	Cotoneaster	2'-6'	Dense bushy growth mostly irregular, but can be kept pruned to desired size or form; upright growing and trailing species; trailing sort especially good for rock gardening; others for hedges, shrubby border, foundation. D. R.
Azalea	1½'-8'	Most ornamental of evergreen flowering shrubs, also deciduous kinds; several good hardy species; selection of varieties will give bloom from April to July.	Oregon Hollygrape ( <i>Mahonia aquifolium</i> )	3'-6'	Very heavy Holly-like foliage, shiny with sharp spines; ornamental fruit in fall and winter; excellent as a self shrub or in a foundation planting or evergreen group; protect from driving, drying winds. S.
Daphne ( <i>D. cneorum</i> )	1'-1½'	Low spreading bush; fragrant pink flowers in spring and intermittently through season; foreground foundation planting and rock garden. R.	Inkberry ( <i>Ilex glabra</i> )	4'-6'	Charming tiny white flowers in spring followed by ink-black fruit; narrow, bright, shining leaves; graceful native shrub.
Andromeda ( <i>Pieris floribunda</i> )	5'-6'	Handsome foliage, dark green, pointed, year round; white bell-like flowers in early spring; with other evergreens in border or foundation planting; good shrub under larger evergreens. S.	Box ( <i>Buxus</i> )	1'-10'	Dense thick growth; dwarf and tall growing types; for edging beds, hedges; protection north of L. I.
<b>DECIDUOUS SHRUBS (Northeast)</b>					
Spirea	4'-8'	MAY-SEPT. Small, graceful, some drooping or fountain-like varieties; Bridal wreath ( <i>Prunifolia</i> ) earliest to bloom; native Hardhack ( <i>Tomentosa</i> ) latest.	Barberry ( <i>Berberis</i> )	3'-4'	Japanese Barberry; bushy, spreading, most satisfactory plant for moderate sized protective hedge of informal type; dwarf and creeping sorts for rock garden.
Forsythia	5'-10'	APRIL-MAY. Vigorous growing; extremely hardy; succeeds anywhere; both upright and drooping varieties; <i>spectabilis</i> makes finest display; shrubby border, foundation planting; drooping forms, like <i>suspensa</i> , for banks.	Privet ( <i>Ligustrum</i> )	4'-15'	MAY-JUNE. Several types, all excellent, for hedges; also beautiful tall flowering shrubs if allowed to develop; good for back of shrubby border; may be trained. S.
Deutzia	3'-8'	MAY-JULY. Slender, rather graceful; excellent for foundation planting, borders and individual specimen; Pride of Rochester tallest and one of best.	Honeysuckle ( <i>Lonicera</i> )	3'-8'	Continuous bloom. The bush Honeysuckles are among the most satisfactory of dense growing flowering shrubs; bloom intermittently under all conditions, even in poor soil; hedge and shrubby border. S.
Weigela	6'-8'	JULY-SEPT. Succeeds anywhere; rose colored Azalea-like flowers; modern variety Eva Rathke freest blooming.	Azalea	2'-12'	APRIL-JUNE. The most brilliant of deciduous flowering shrubs; combines well with evergreens; acid soil. R.
Beautybush ( <i>Kolkwitzia amabilis</i> )	6'-8'	MAY-JUNE. Newly introduced shrub somewhat similar to Weigela but more graceful and free flowering; deservedly becoming popular.	Lilac ( <i>Syringa</i> )	6'-15'	MAY-JUNE. The old reliable hedge and house shrub; new hybrids show great range of colors; not so hardy but satisfactory garden plant.
Viburnum	2'-10'	MAY-JULY. A large group of widely differing types, all satisfactory; the best of large shrubs for individual specimen, also for the shrubby border; <i>Carlesi</i> is fragrant; <i>tomentosum</i> especially good.	Flowering Almond ( <i>Prunus</i> )	3'-15'	APRIL-MAY. Extremely beautiful spring flowering shrub; wild variety, easily grown, effective in closed garden.
Hydrangea	4'-10'	JULY-SEPT. Several types, all good; smaller sorts for foundation and border planting; larger for border or individual specimens like small trees; Otaska for seashore.	Tamarix	10'-15'	MAY-SEPT. Several species flowering from May to Sept. all easily grown; thrives in sandy soil and near shore; hardy to New York; tropical Fern-like foliage, excellent background for rock garden. D.
Butterflybush ( <i>Buddleia</i> )	5'-8'	JULY-OCT. Vigorous, graceful, rapid grower; Lilac-like fragrant flowers; herbaceous in North.	Daphne ( <i>D. mezereum</i> )	1'-2'	MARCH-APRIL. Dwarf shrub excellent for rock gardens and other intimate locations; blooms with the earliest small spring bulbs. R.

## House & Garden's Gardening Guide

### PERENNIALS (Northeast)

NAME	HEIGHT	SEASON	COLOR	CHARACTER AND USES
Alyssum	12"-15"	Apr.-June	Yellow	Solid masses of color; front of border or rock garden; remove old blooms. D. R.
Anemone, Jap.	24"-30"	Sept.-Nov.	Rose, pink, white	Most graceful late autumn flower; garden display; cutting; winter protection North.
Aquilegia (Columbine)	18"-36"	May-June	Various	Wonderful range of colors in new varieties; display; cutting; full sun. D.
Aster, Hardy	30"-48"	Sept.-Nov.	Blue, lavender	Thrives anywhere; many types; new varieties including pink and mauve; naturalizing; display; cutting. D.
Balloonflower (Platycodon)	12"-24"	July-Nov.	Blue, white	Border perennial; rock garden; sandy well-drained soil; sun or shade.
Campanula (Bellflower)	12"-36"	June-Oct.	Blue, white	Several types. Includes some of the best blue flowers. R.
Chrysanthemum	30"-48"	Sept.-Nov.	Various	Cutting and late display; rich soil and frequent transplanting.
Delphinium (Larkspur)	30"-72"	June-Sept.	Blue, various	Queen of early summer flowers; easy from seed; newer types for display.
Dianthus (Hardy Pink)	10"-18"	May-July	Pink, rose, white	Fragrant; free blooming; cutting; superior new types Alwoodi and Sweet Wivelsfield.
Digitalis (Foxglove)	36"-60"	July-Sept.	Pink, white	Unsurpassed for back of border or against walls or shrubbery; Giant Shirley strain best.
Gaillardia (Blanketflower)	18"-24"	June-Nov.	Yellow, bronze	Continuous flowering; resists drought; easy from seed; display and cutting; Portola Hybrids and other new varieties. D.
Geum	15"-18"	May-Sept.	Yellow, orange-red	Neat habit; suitable for large rock garden, border and cutting; easily grown; new sorts, Lady Stratheden and Opal.
Gypsophila (Babysbreath)	24"-30"	June-Sept.	White, rose	Feathery sprays; border and cutting; Bristol Fairy excellent new variety.
Heuchera	12"-18"	May-Sept.	Red, coral	Sun or shade; flowers on tall stems; plant compact and low; rock garden, border and cutting. R.
Hollyhock	48"-72"	July-Sept.	Various	Unsurpassed for display against wall or other background; single varieties most effective; full sun; self-sows; double named varieties such as Newport Pink; Imperator, new frilled type. D.
Iris	6"-36"	Apr.-July	Various	Select varieties for long season; dwarf species excellent for rock garden; Jap. and Siberian types prefer moist soil; most others dry. D. R.
Lupine	24"-40"	May-Sept.	Blue, pink, white	Greatly improved new hybrids, wide range of color; easy from seed; any soil; full sun; border and cutting. D.
Peony	24"-36"	May-June	Rose, pink, white	Immense blooms; many types, many fragrant; single and Japanese; graceful; deep rich soil; sun or slight shade.
Phlox	4"-36"	Apr.-Oct.	Various	Early dwarf and creeping types for front of border and rock garden; summer flowering, fine mass color displays, June to Sept.; rich soil. R.
Poppy	12"-30"	May-Oct.	Various	Brilliant colors; long season; flowers first season from early sown seed; Coonara strain in Iceland Poppies; new colors in Oriental type, such as Olympia. D.

### ANNUALS (Northeast)

Ageratum	6"-18"	May-Oct.	Blue, white, rose	Front of border; compact, continuous blooming if old flowers are kept removed; potted plants for immediate show; Blue Ball new compact variety.
Alyssum	4"-10"	May-Oct.	White, lilac	Dainty, graceful for informal edging, interplanting Roses or other tall growing flowers; succession plantings; continuous bloom; self-sows. D. R.
Antirrhinum	8"-30"	May-Oct.	Various	Especially fine for cutting and display; tall and dwarf varieties; new colors; pinch back for stocky plants.
Begonia	6"-12"	June-Sept.	Various	Unsurpassed for continuous color display in hot, dry locations; start seed under glass, or buy plants. D.
Calendula	12"-15"	June-Nov.	Orange, yellow	Long continuous bloom; fairly moist rich soil; new varieties, Radio and Campfire.
Clarkia	24"-30"	June-Oct.	Rose, various	Low bushy shrubs somewhat similar to Flowering Almond; blooms in few weeks from seed; cutting.
Cosmos	48"-72"	July-Oct.	Pink, white	New early flowering types provide bloom in late July or August from April sown seed; start late tall sorts in heat.
Gaillardia (Blanketflower)	24"-30"	June-Oct.	Maroon, bronze	Brilliant flowers produced continuously; sow where to bloom; cutting and display; variety Indian Chief especially fine. D.
Gypsophila	12"-15"	June-Oct.	White, rose	Light, airy sprays of tiny flowers; indispensable for mixed bouquets; succession sowings.
Larkspur	24"-36"	June-Oct.	Blue, various	Back of annual border; indispensable for cutting; splendid new named varieties; Giant Imperial.
Lobelia	4"-10"	June-Nov.	Blue, white	Dainty edging plant; effective at water's edge; Radio and new named varieties.
Marigold	12"-24"	July-Oct.	Yellow, various	Easily grown; thrives anywhere; display and cutting; dwarf and tall sorts. D.
Nasturtium	15"-72"	June-Oct.	Various	Dwarf types for borders and bedding, tall for fences, walls, banks; sow in rather poor soil.
Petunia	15"-24"	June-Oct.	Various	Dwarf types for bedding; "Balcony" and other sorts for window boxes, banks, trailing; new variety Burpee's Blue, rich, velvety, pure.
Phlox	6"-15"	June-Oct.	Various	Solid sheets of coloring or narrow edging; sow early where to bloom; succession sowing. D.
Poppy	8"-24"	May-Oct.	Various	Easy and quick from seed; sow where to bloom for masses of brilliant color; thin out for best results. D.
Portulaca	6"-10"	June-Sept.	Various	Unequaled for low mass of brilliant solid or mixed colors in extremely hot, dry sun. Sow thinly late May or June; thin out. D. R.
Scabiosa	24"-30"	June-Oct.	Various	Delicately colored graceful flowers continuous over long season; unexcelled for cutting; fragrant.
Verbena	8"-10"	July-Nov.	Various	Solid carpet of attractive foliage and continuous bloom; best ground cover for late fall garden; succession planting June or July. "Fireball," new dwarf compact type. R.
Zinnia	15"-30"	July-Oct.	Various	Wonderful new pastel shades and types; cutting and color display; second sowing for late fall garden. D.

### VINES (Northeast)

NAME	HEIGHT	COLOR, CHARACTER AND USES	NAME	HEIGHT	COLOR, CHARACTER AND USES
Ivy ( <i>Hedera</i> )	30'	The ideal clinging evergreen vine but not hardy much north of New York; dwarf forms for rock garden. S.	Wisteria	50'	Twining. Extremely vigorous; most picturesque and Japanese of hardy vines; fragrant; verandas, gates, pergolas, house sides.
Ampelopsis	20'	Clinging and twining. Hardy to extreme North; a good substitute for Ivy; not evergreen.	Bittersweet ( <i>Celastrus scandens</i> )	40'	Twining. Splendid native vine, easily grown, especially fine for winter decorations; good foliage; naturalistic effect. S.
Winter-creeper ( <i>Euonymus radicans</i> )	15'	Clinging. Substitute for English Ivy in the North; extremely hardy; ornamental berries in fall.	Hop-vine ( <i>Humulus</i> )	25'-30'	Twining. Extremely rapid grower; excellent for shade.
Honeysuckle ( <i>Lonicera</i> )	30'	Twining. Fragrant blossoms, summer to frost; fragrant; fine veranda vine; good ground cover; evergreen tendency towards South. D. S.	Kudzu-vine ( <i>Pueraria</i> )	50'	Twining. Fastest growing of all; large leaves; dense habit.
Clematis	15'-20'	Twining. Delicate graceful climber; large flowered sorts not hardy in extreme North; trellises and summer houses, veranda; <i>Montana undulata</i> hardy, large pink flowers.	Dutchman's Pipe Vine ( <i>Aristolochia</i> )	30'	Twining. Very broad heart-shaped leaves of light green; peculiar pipe-shaped flowers; dense shade or close screen for summer house, pergola or porch.
			Trumpet-creeper ( <i>Bignonia</i> )	40'	Clinging and twining. Rampant grower; conspicuous orange-red flowers in late summer; <i>Grandiflora</i> best.

### DECIDUOUS TREES FOR THE MIDDLE WEST

Oak ( <i>Quercus</i> )	75'-100'	Hardy, long lived; Scarlet, Red and Mossy Cup varieties especially good for North.	Linden ( <i>Tilia</i> )	60'-80'	Fragrant flowers attractive to bees in midsummer; rapid growers, dense tent-like shade; very satisfactory; American species hardiest.
Elm ( <i>Ulmus</i> )	100'-125'	Shade, street and large lawn; native ( <i>U. Americana</i> ) hardiest; Chinese ( <i>parvifolia</i> ) fastest growing.	Locust ( <i>Robinia</i> )	40'-60'	Rapid grower, moderately long lived; resists heat and drought, stands pruning; fragrant flowers; D.
Maple ( <i>Acer</i> )	75'-100'	Shade and street; moderately long lived; Norway, Red, Sugar and Tartarian best for very cold sections.	American Hornbeam ( <i>Ostrya virginiana</i> )	30'-50'	Extremely hardy native tree; slow growing, small tree; foliage persists into winter; good tall hedge; stands pruning. D.
Poplar ( <i>Populus</i> )	50'-100'	Rapid growing, moderately long lived; Balm of Gilead extremely fast growing, hardy, sturdy, broad, pyramidal; Bolleana and Lombardy upright, columnar. D.	Wild Crab ( <i>Malus</i> )	20'-25'	Extremely hardy; native of the western plains; splendid hardy ornamental fruit tree.
Willow ( <i>Salix</i> )	40'-50'	Many varieties, very hardy; extremely satisfactory; Wisconsin Weeping hardiest of this type.	Hawthorn ( <i>Crataegus</i> )	10'-30'	Several varieties; extremely hardy; heavy soil and moderate lime; summer mulching beneficial in light soils.
Horse-Chestnut ( <i>Escalus</i> )	50'-80'	The Buckeye of the Midwest; especially good for suburb; fast growing; dense shade.			

## House & Garden's Gardening Guide

### EVERGREENS (Middle West)

NAME	HEIGHT	CHARACTER AND USES	NAME	HEIGHT	CHARACTER AND USES
Douglas Fir	50'-100'	Quick growing, broad, pyramidal, blue-green foliage.	Juniper: (other forms)	3'-30'	Chinese and other types not so hardy as the preceding; protected locations generally, excepting in northern states foundation plantings and groups.
Pine ( <i>Pinus</i> )	40'-100'	Native White Pine ( <i>P. strobus</i> ) especially fine. Scotch more resistant to winds and exposure, Dwarf Mugho for foundation planting, D.	Arborvitae ( <i>Thuja</i> )	3'-30'	Native American species and Siberian are hardiest; specimens, groups and hedges; stand trimming.
Spruce ( <i>Picea</i> )	40'-75'	Most varieties do well, Black Hills is hardiest and best for dry soils, close, dense growth.	Cypress ( <i>Retinospora</i> ; <i>chamacyparis</i> )	3'-25'	Dwarf, highly colored; not reliably hardy in northern sections, but satisfactory elsewhere if protected from winter winds, S.
Fir ( <i>Abies</i> )	40'-75'	Native Balsam, symmetrical and graceful; likes moist soil and cool summers.	Yew ( <i>Taxus</i> )	3'-30'	Canadian or native Yew perfectly hardy; spreading evergreen; fine dark foliage. Japanese Yew excellent for hedges and foundation planting.
Hemlock ( <i>Tsuga</i> )	40'-75'	Graceful evergreen for specimen and shady location.	Cryptomeria	15'-30'	Distinct evergreen of unusual appearance; protected situations not too far north.
Redcedar ( <i>Juniperus virginiana</i> )	25'-50'	Most useful evergreen for moderate sized place; use <i>Glauca</i> for color variation; low forms for foundation planting, D.			
Colorado Juniper ( <i>Juniperus scopulorum</i> )	30'-40'	Native western species; very hardy; fine for variety; distinct coloring, D.			

### EVERGREEN SHRUBS (Middle West)

<i>Cotoneaster horizontalis</i> (Rock Cotoneaster)	2'-3'	Several varieties including <i>Horizontalis</i> are evergreen in mild sections, deciduous farther North, D.	<i>Daphne cuneata</i> (Rose Daphne)	1'-1 1/2'	Fragrant flowers intermittently through season; avoid extremes both dry and wet; winter protection in severe climates, R.
<i>Berberis buxifolia</i>	1'-3'	Very hardy evergreen; good small hedge; give protection in North, S.	<i>Leucothoe catesbaei</i> (Drooping Leucothoe)	5'-6'	Beautiful, graceful, white-flowered native shrub, excellent with preceding, S.
Oregon Hollygrape ( <i>Mahonia aquifolia</i> )	3'-6'	Stands considerable cold but must be protected from dry winds; good undershrub, and for foundation, S.	Andromeda ( <i>Pieris floribunda</i> )	5'-6'	Good under evergreens or in mixed border; hardy to cold where other conditions are suitable, S.
<i>Azalea amiana</i>		Japanese Evergreen Azalea; hardy fairly far North; thrives in shade, S.	Rhododendron True-dwarf Box ( <i>Buxus sempervirens</i> <i>suffruticosa</i> )	5'-15' 3'-5'	Native species hardiest; protect from winds, S. Tub or porch for northern sections; for out-of-doors obtain true <i>sempervirens</i> from northern nursery, S.
Mountain Laurel ( <i>Kalmia latifolia</i> )	4'-10'	Very hardy native shrub; acid soil; with evergreens or mixed foundation planting, S.			

### DECIDUOUS SHRUBS (Middle West)

Common Lilac	12'-15'	MAY-JUNE. Long lived; tall hedges or screens and individual clumps.	Snowberry ( <i>Symphoricarpos</i> )	2'-5'	JUNE-JULY. Bushy shrub, rose-pink flowers in midsummer followed; white waxlike berries; Coral Berry ( <i>S. vulgaris</i> ) more compact; thrives anywhere; naturalizing, banks and mixed border.
Sweet Mockorange ( <i>Philadelphus</i> )	8'-12'	JUNE-JULY. Many splendid new varieties such as Virginia; shrubby border; individual specimens.	Indigo-bush ( <i>Amorpha fruticosa</i> )	6'-10'	JUNE. Spreading habit; feathery foliage; violet-purple flowers; massing or mixed border.
Forsythia	5'-10'	APRIL-MAY. Unexcelled for early spring effects; various types for differing conditions.	Viburnum Prunus (Flowering Cherry and Plum)	2'-12' 3'-15'	Many varieties and types, all good; easily grown. APRIL-MAY. Many of the flowering Crabs are extremely hardy; effective in garden enclosure.
Hardhack ( <i>Spiraea tomentosa</i> )	3'-4'	JULY-SEPT. Beautiful native shrub, hardy even to northern Canada; naturalizing; front of mixed border; near water.	Privet	4'-15'	MAY-JUNE. In northern sections use only hardiest varieties—[bota, Amur and Regel; the latter is spreading and dense growing, D. S.
Hydrangea	6'-15'	Several types, valuable for their large-paniced flowers in summer.	<i>Cotoneaster acutifolia</i>	4'-6'	MAY-JUNE. The Pekin Cotoneaster has foliage somewhat resembling California Privet; individual specimens for hedges; hardier than Privet; upright, shrubby; stands shade.
Weigela ( <i>Diervilla</i> )	6'-8'	MAY-JULY. Strong growing; vigorous; back of lower shrubs, or against walls or buildings with flowers in front.	Rose species	3'-6'	MAY-JUNE. Hardy species especially satisfactory for the central Northwest; a few are the Prairie Rose ( <i>Setigera</i> ) in sandy soils, Rugosa, Rugosa Hybrids and <i>multiflora</i> . Also most shrubs recommended for Northeast.
Siberian Pea-tree ( <i>Caragana arborescens</i> )	15'-20'	MAY-JUNE. Extremely hardy; excellent for hedge, or as specimen.			
Golden-Currant ( <i>Ribes aureum</i> )	4'-6'	MAY. Large, yellow, fragrant flowers in spring; edible black berries; Dwarf Mountain Currant ( <i>alpinum</i> ), excellent low hedge, S.			
Rose-acacia ( <i>Robinia hispida</i> )	1'-3'	JUNE-JULY. Racemes of beautiful Pea-like flowers in early summer; extremely vigorous, any soil; in masses; naturalizing.			

### PERENNIALS (Middle West)

NAME	HEIGHT	SEASON	COLOR	CHARACTER AND USES
Aconite (Monkshood)	36"-72"	July-Sept.	Blue-white	Upright grower for middle or back of border; blue flowers until frost.
Artemisia	36"-48"	Aug.-Sept.	Creamy, white	New variety Silver King especially valuable for silvery foliage effect in combination with other flowers.
Astilbe ( <i>Spiraea</i> )	24"-48"	June-July	Pink, white	Feathery plumes during midsummer; back of border or for landscape effects.
Bocconia cordata (Plume Poppy)	6'-8'	July-Aug.	Cream, white	Vigorous, tall, imposing; excellent for screen or naturalizing; spreads underground, S.
Campanula	24"-60"	June-Sept.	Blue, purple	Both dwarf and tall forms, always dependable, R.
Chrysanthemum	30"-48"	Sept.-Nov.	Various	Glory of the late garden for display and cutting; use early varieties in northern sections.
Delphinium	30"-72"	June-Oct.	Blue, pink	Back of border and for cutting; winter covering of cinders over crown.
Dianthus	10"-18"	May-July	Pink, rose, white	Fragrant, neat, free-blooming; fine for cutting; Alwoodi and Sweet Wivelsfield superior types.
Digitalis (Foxglove)	36"-60"	June-Aug.	Pink, white	Unsurpassed for back of border or grouped against walls or shrubbery; new Giant Shirley strain especially good.
Gaillardia (Blanketflower)	18"-24"	June-Nov.	Yellow, bronze	Indispensable for display and cutting; try named varieties, D.
Gypsophila (Babysbreath)	24"-30"	June-Sept.	White, rose	Feathery sprays of tiny flowers for border and cutting; Bristol Fairy excellent new variety.
Heuchera	12"-18"	June-Aug.	Pink, red	Makes compact clumps of evergreen foliage; front of border or large rock garden, R.
Hollyhock	48"-72"	July-Sept.	Various	Against wall or other wind protected location; easy from seed.
Iris	6"-36"	April-July	Various	Japanese and Siberian types prefer moist soil; most others dry, D. R.
Peony	24"-36"	May-June	Rose, pink, white	Unsurpassed for the North Central West; most modern varieties fragrant; try singles and Japanese.
Phlox	4"-36"	April-Sept.	Various	Early creeping and low varieties for front of mixed border and rock garden; summer flowering for masses of color.
Rudbeckia	3'-8'	July-Sept.	Yellow, orange	Golden Glow ( <i>R. laciniata</i> ) thrives anywhere in any soil; naturalizing; against outbuildings, S.
Veronica	12"-60"	May-Sept.	Blue, violet	Dependable and satisfactory blueflowers; groups in mixed border.
Sedum (Stonecrop)	6"-18"	July-Sept.	Yellow, rose	Stonecrops in variety for front of mixed border and rock gardening; successful where many Alpines will not do, D. R. Also practically all other hardy perennials.

### ANNUALS (Middle West)

Ageratum	6"-18"	May-Oct.	Blue, white	Low, spreading border; Blue-ball compact dwarf variety.
Alyssum	4"-10"	May-Oct.	White, lilac	Splendid for interplanting among other flowers; to follow bulbs; late sowing for autumn garden, D. R.
Antirrhinum (Snapdragon)	8"-30"	May-Oct.	Various	Back of mixed border; bloom long after frost in protected spot; cutting.
Calendula	12"-15"	June-Nov.	Orange, yellow	Good for cutting throughout season; mixed border.
Coreopsis	12"-36"	June-Sept.	Yellow, garnet	Bright colored flowers on long stems; cutting; sow where to bloom; thin out; full sun, D.

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### ANNUALS (Middle West)

NAME	HEIGHT	SEASON	COLOR	CHARACTER AND USES
Candytuft (Iberis)	12"-18"	June-Sept.	Various	Greatly improved new Giant Hyacinth flowered strain; pleasing colors; fragrant; cutting; Tom Thumb makes good low edging.
Cosmos	48"-72"	July-Oct.	Pink, white	New early flowering type makes it possible to grow this much farther north; wind protected spot; cutting; garden display; start late sorts indoors.
Datura (Angels Trumpet)	24"-36"	July-Sept.	Creamy white	Vigorous growing bushy annual; creamy white trumpet-like flowers; grows anywhere.
Gypsophila elegans (Babysbreath)	12"-15"	June-Sept.	White, rose	Graceful, delicate sprays of tiny flowers; several sowings for continuous supply.
Larkspur (Delphinium)	12"-36"	June-Oct.	Blue, various	Unsurpassed for display in the border and cutting; new named varieties.
Lupine	20"-28"	May-June	Blue, rose, white	Sprays of Pea-like flowers on vigorous plants with handsome foliage; plant individually in small pots or where to grow; bloom in eight weeks; stands partial shade; well limed soil. D.
Marigold (Tagetes)	12"-30"	July-Oct.	Yellow, orange	Always satisfactory; dwarf for sun and taller for mixed border and cutting; second sowing for late fall.
Nasturtium	15"-72"	June-Oct.	Various	Dwarf and vine-like types; full sun and rather poor soil.
Petunia	15"-24"	June-Oct.	Various	Continuous flowering until hard freezing; Balcony type for porch boxes and baskets; Bedding for masses of color.
Phlox	6"-15"	June-Oct.	Various	Good everywhere for low masses of brilliant color; sow as soon as frost is well out and again in May; flowers within a few weeks from seed. D.
Portulaca	6"-10"	June-Sept.	Various	Tender but quick growing in hot weather; blooms continuously in hot, dry locations. D. R.
Poppy	8"-24"	May-Oct.	Various	Cutting and garden display of brilliant colors; sow where to bloom; thin out. D.
Ricinus	36"-72"	Foliage	Green, bronze red	Tender but rapid growing, giving tropical effect; start in pots for early use, or outdoors at Bean planting time.
Verbena	8"-10"	July-Nov.	Various	Low, spreading; good ground cover; often blooms until snow. R.
Zinnia	12"-36"	July-Oct.	Yellow, various	New types and colors; thrives anywhere; avoid too much nitrogenous fertilizer; full sun.

### VINES (Middle West)

NAME	HEIGHT	COLOR, CHARACTER AND USES	NAME	HEIGHT	COLOR, CHARACTER AND USES
Boston Ivy ( <i>Ampelopsis veitchii</i> )	40'	Clings to brick and stone like English Ivy; <i>A. engelmannii</i> is hardiest, withstanding Minnesota winters.	<i>Akebia quinata</i>	30'	Twining. Fast growing; splendid foliage; free from insects and disease; fragrant flowers.
<i>Euonymus radicans</i> (Winter-creeper)	15'	Clinging. Hardest evergreen vine, best substitute for English Ivy for winter effect. S.	Silver Lace Vine ( <i>Polygonum auberti</i> )	25'	Twining. Shiny foliage; free from insects or disease; foamy sprays of silver-white flowers, for long season in late summer.
Honeysuckle ( <i>Lonicera</i> )	30'	Twining. Not evergreen but leaves persist until late autumn; excellent ground cover also. S.	Chinese Matrimony Vine ( <i>Lycium chinense</i> )	30'	Twining and trailing. Any soil; grows vigorously; purple flowers, scarlet berries; good ground and bank cover.
Clematis	20'	Twining. Native species, <i>virginiana</i> and <i>montana</i> , also the Japanese ( <i>paniculata</i> ), much harder than large-flowered types.	Bittersweet ( <i>Celastrus scandens</i> )	40'	Twining. Small sprays of cream-white flowers in July; orange and crimson berries, for winter house decoration; easily grown; good for naturalizing.
Wisteria	50'	Twining. <i>Chinensis</i> hardiest; spring display over pergolas, dead trees or other substantial supports.			<i>Also most vines recommended for Northeast.</i>
Trumpet-creeper ( <i>Bignonia</i> )	40'	Clinging and twining. Will cling to wood or other fairly rough surfaces; if killed back in severe winters quickly grows again; conspicuous orange flowers in late summer. D.			

### DECIDUOUS TREES FOR THE NORTHWEST

Oak ( <i>Quercus</i> )	80'-100'	Red, Scarlet and Mossycup for general use; Pin Oak for vertical effect.	Black Locust ( <i>Robinia pseudoacacia</i> )	60'-80'	Fragrant flowers in May or June. Heat and drought resisting; stands exposure; poor soil; rather short-lived. D.
Oregon Maple ( <i>Acer macrophyllum</i> )	50'-60'	Broad headed, broad leaves; street or shade; other varieties.	Mountain Ash (European) ( <i>Sorbus aucuparia</i> )	30'-40'	Symmetrical, upright growing; graceful, Fern-like foliage, scarlet berries.
California Black Walnut ( <i>Juglans californica</i> )	50'-60'	Near coast except in far North; shade and decoration; moist soil.	Hawthorne ( <i>Crataegus</i> )	20'-30'	Thrives particularly well here; specimen, hedges, or street parking.
Sweet Gum ( <i>Liquidambar</i> )	75'-100'	Splendid shade or ornamental; fine autumn coloring; moist soil.	Silk Tree ( <i>Albizia julibrissin</i> )	30'-40'	Good substitute for Acacia or Mimosa; extra fine garden tree; moderate shade.
Birch ( <i>Betula</i> )	60'-100'	Rapid growing, great size, not long-lived; plant Yellow B. ( <i>lutea</i> ) for permanence.	Flowering Cherry, Plum and Crab ( <i>Prunus</i> and <i>Malus</i> in variety)	20'-30'	Splendid garden subject in this region. <i>Also all trees from preceding sections.</i>
Pacific Dogwood ( <i>Cornus nuttalli</i> )	40'-50'	Native; grows to full tree size.			
Ginkgo ( <i>Maidenhair</i> )	50'-75'	Irregular spreading habit; Maidenhairfern-like foliage held late in season.			

### EVERGREENS (Northwest)

Douglas Fir ( <i>Pseudotsuga douglasii</i> )	75'-150'	Rapid growing, beautiful; symmetrical but graceful.	Yew ( <i>Taxus</i> )	3'-40'	Wide variety; English and Irish especially good; latter of slow growth and extra fine for garden use. S.
Fir ( <i>Abies</i> )	75'-100'	Rapid growing; more beautiful than in East; groups, particularly in exposed positions.	Juniper, Chinese ( <i>Juniperus chinensis</i> )	3'-40'	Great range of form, creeping to columnar.
Redwood ( <i>Sequoia</i> )	100'-200'	This and California Big Tree ( <i>Sequoia gigantea</i> ) good for large grounds even where conditions are not ideal, north of Northern Cal.	Arborvitae, Oriental ( <i>Thuja orientalis</i> )	3'-40'	Thrives well; wide variety; foundation and garden planting; retains color better than in East.
Deodar Cedar ( <i>Cedrus deodara</i> )	60'-100'	Decorative and satisfactory for all Pacific coast; well drained location; Atlas Cedar somewhat hardier.	English Holly ( <i>Ilex aquifolium</i> )	30'-40'	Succeeds throughout section, especially near coast; distinct type; garden tree; protective hedge. S.
Cypress ( <i>Cupressus</i> )	50'-75'	The true Cypresses, including the columnar Italian Cypress, hardy near coast; good drainage, sheltered position.	Madrone ( <i>Arbutus menziesii</i> )	20'-25'	Native small tree; waxy white flowers, bell shaped, in drooping clusters; orange red berries; conspicuous smooth bark; good drainage. <i>Also conifers recommended for preceding regions.</i>
Cryptomeria (in variety)	30'-50'	Hardier than preceding; better winter color than in East; fine for garden use.			
Japanese Umbrella Pine ( <i>Scyadopsis verticillata</i> )	50'-75'	Remarkable Japanese tree; slow growing; background for rock garden.			

### EVERGREEN SHRUBS (Northwest)

<i>Abelia grandiflora</i> (Glossy Abelia)	5'-6'	Low, spreading, graceful, flowering early summer to frost; small, Arbutus-like blossoms; evergreen tendency. S.	Oregon Hollygrape ( <i>Mahonia aquifolium</i> )	3'-6'	Vigorous growing, Holly-like foliage; yellow flowers, bluish-black berries; protect from driving winds. S.
<i>Acuba japonica</i> (Gold-dust Plant)	5'-8'	Thick, spreading, large decorative leaves; foundation planting, evergreen groups, specimens; wind protected location. S.	Cotoneaster	2'-6'	Dense, spreading or trailing; beautiful all year; wide variety; foundation planting and rock gardening. R.
<i>Camellia japonica</i>	10'-20'	Hardy to Tacoma if protected from driving winds; beautiful evergreen foliage, abundant rose pink or white flowers in early spring.	Erica (Heather)	1/2'-1'	Neat, dense mat, small leaved or hairy foliage and pink, red or white flowers; different varieties bloom Feb. to late summer; rock gardens or bordering shrubs or drive; sandy soil; full sun. D. R.
Mexican Orange ( <i>Choisya ternata dryas</i> )	4'-7'	Orange-like blossoms, spring and late summer; shiny evergreen foliage; good for hedge or against wall.	Laurel ( <i>Laurus</i> , in variety)	6'-15'	Several species, including English and Portuguese Laurel, and <i>L. tinus</i> (flowers January or February); hedges, backgrounds, groups; protection from winds; semi-shade. <i>Also those for the Northeast and most for Southeast.</i>
Evergreen Barberry ( <i>Berberis</i> , in variety)	1'-3'	All but the tenderest do in moderately protected locations; rival the Cotoneasters for rock garden, foundation plantings, mixed shrubby groups. R.			

## House & Garden's Gardening Guide

### DECIDUOUS SHRUBS (Northwest)

NAME	HEIGHT	CHARACTER AND USE	NAME	HEIGHT	CHARACTER AND USE
<i>Azalea mollis</i> (Chinese Azalea & others)	3'-10'	APRIL-JUNE. Gorgeous in spring; several half hardy sorts also do well; peaty, sandy soil; will stand some shade.	Cotoneaster, in variety	1'-6'	Wide variety; foundation, mixed group, hedges, rock garden; berries. R.
Broom ( <i>Genista</i> , <i>Cytissus</i> )	3'-10'	APRIL-MAY. Including native <i>occidentalis</i> ; Scotch Broom ( <i>C. scoparius</i> ) widely naturalised; <i>C. praecox</i> is earliest flowering; hedges and shrub borders; dwarfs for rock gardens. D.	Lilac ( <i>Syringa</i> )	6'-15'	MAY-JUNE. Old favorite, also modern hybrids; background, shrubby border, hedges.
Mountain Lilac ( <i>Ceanothus</i> )	6'-10'	APRIL-MAY. Native of Northern Cal., many hybrids; blue or lavender Lilac-like flowers; bushy, spreading, moderate growth; beautiful, easily grown. D.	Tamarix, in variety	10'-15'	APRIL-SEPT. A selection of varieties gives bloom from spring to late summer; slender, willowy growth.
<i>Daphne mezereum</i> (February Daphne)	3'-4'	MARCH-APRIL. Charming, fragrant little shrub; rock garden.	Buddleia (Summer Lilac)	5'-8'	JUNE-OCT. Excellent to follow the spring blooming Lilacs; any soil; prune vigorously.
Rose Acacia ( <i>Robinia hispida</i> )	2'-3'	MAY-JUNE. Attractive foliage, abundant Pea-like blossoms May or June; hedges or shrubby border.	Deutzia	3'-8'	APRIL-JULY. Range of varieties for many purposes; foundation, shrubby border, low hedges.
Flowering Currant ( <i>Ribes</i> )	2'-6'	APRIL-MAY. Hardy, easily grown; yellow flowers very early; shrubby border; sub-shrub or against evergreens. S.	Honeysuckle ( <i>Lonicera</i> )	3'-8'	Fragrant flowers very early; shrubby border; backgrounds.
			Spiraea	4'-8'	APRIL-AUG. Many varieties, succession of bloom; slender and drooping sorts especially effective on banks or slopes.
			Rose Species	2'-6'	MAY-JUNE. Many sorts, including natives and naturalised Sweet Brier or Eglantine ( <i>Rubiginosa</i> ).

### VINES (Northwest)

English Ivy ( <i>Hedera helix</i> , varieties)	40'-50'	Clinging. Several varieties; ideal wall covering; beautiful year round. S.	Jasmine ( <i>Jasminum</i> )	8'-12'	Twining. Hardier varieties; sunny sheltered position; <i>nudiflorum</i> begins blooming first mild spell; White Jasmine ( <i>officinale</i> ), with Fern-like dark green foliage and fragrant flowers, blooms throughout season; good soil and prune each spring.
<i>Euonymus radicans</i>	10'-12'	Clinging. All varieties including <i>argentea</i> , with white veined foliage pinkish tinged in winter. S.	Clematis, Large-flowered ( <i>C. jackmani</i> and others)	8'-15'	Twining. Hardy sorts and large-flowered more tender varieties; for latter, select wind sheltered position.
<i>Actinidia chinensis</i>	20'-25'	Twining. Shrubby growth; broad heart-shaped leaves, dense shade; ideal for arbors; yellow flowers; Gooseberry-like fruit; northern or eastern exposure. S.	Hyacinth Bean ( <i>Dolichos lablab</i> )	10'-12'	Twining. Very rapid growing; continuous flowering; shade for veranda. D.
Stauntonia	30'-40'	Twining. Suggests Honeysuckle, thriving best in shade; five-lobed leaves, unique winter coloring.	<i>Vinca minor</i>	Trailing	Trailing ground cover; small early blue flowers; any soil; walls, banks. S.
<i>Bignonia chinensis</i>	25'-30'	Clinging and twining. <i>Grandiflora</i> and other deciduous varieties, also evergreen sorts; covering for tree trunks, fences, etc.			<i>Also vines recommended for Northeast.</i>
<i>Lonicera belgica</i> (Belgian Honeysuckle)	15'-20'	Twining. Particularly fragrant; walls, fences, banks. S.			

### PERENNIALS (Northwest)

NAME	HEIGHT	SEASON	COLOR	CHARACTER AND USES
Aubretia (Rainbow Rockcress)	5"-7"	April-June	Blue, lavender	The "rainbow" flower of northwestern rock gardens; many improved varieties. R.
<i>Anemone japonica</i>	24"-30"	Sept.-Nov.	Rose, pink, white	Charmingly graceful; mixed border; cutting.
Aster, hardy	6"-48"	May-Nov.	Blue, lavender	Many dwarfs for rock garden; many new named varieties of tall growing late hardy Asters. R.
Campanula (Bellflower)	3"-36"	May-Oct.	Blue, pink, white	Wide range; many natives; border and rock garden. R.
Chrysanthemum	30"-48"	Sept.-Nov.	Various	Cool growing season and late fall provide ideal outdoor conditions for 'mums.
Erigeron	4"-18"	May-Aug.	Lavender, pink	Daisy-like flowers of azure blue with yellow centers; summer cutting; rock garden. R.
Erodium (Heron'sbill)	12"-18"	June-Aug.	Rosy purple	Rosy purple 2" flowers, long stems, produced continuously; display, cutting. D.
Erythronium (Troutlily)	8"-10"	April-May	Yellow, pink	Native woodland plants; prefer light, moist, well drained soil; shaded corners; border or rock garden. S.
Gentian ( <i>Gentiana</i> )	6"-18"	April-Nov.	Blue shades	Many natives as well as European sorts; unsurpassed blue for rock garden; peaty soil, thorough under-drainage. R.
Helenium	4'-6'	June-Oct.	Yellow, orange	Glorious for back of border or in front of evergreens; cutting.
Iris	6"-36"	April-July	Various	Natives are mostly woodland plants, semi-shade; dwarfs for rock garden; tall garden sorts thrive well.
Lewisia	3"-10"	May-Oct.	Pink, rose, white	Native doing best in sharp sandy soil, full sun; evergreen foliage, dainty flowers.
Lupine, Washington ( <i>Lupinus polyphyllus</i> )	12"-24"	May-Sept.	Blue, pink, yellow	Wide range of colors; easily grown; any soil; long season; cutting, border display.
Pentstemon	4"-24"	May-Oct.	Blue, purple, scarlet	Many native varieties especially adapted for rock gardens; gritty soil; good drainage; full sun; several resemble tiny evergreen shrubs.
Phlox	4"-36"	April-Sept.	Various	The familiar varieties of the East and also several natives. R.
Polemonium	6"-24"	June-Sept.	Blue, pink	Native with Fern-like foliage, large flowers; border; cutting.
Primula	4"-24"	April-July	Yellow, orange, lilac	Great range of sorts; long season; hardy border; rock garden.
Saxifraga	3"-12"	April-June	Various	Widely varied types; gritty soil; good drainage. R.
Sempervivum	6"-10"	July-Sept.	Pink, rose red	Companion to the Saxifragas; thrives in poor sandy soil. D. R.
Wallflower	12"-18"	Feb.-June	Orange, various	Early spring or even winter blooming perennials; mixed border or against evergreen background. <i>Also perennials recommended for preceding regions.</i>

### ANNUALS (Northwest)

Antirrhinum (Snapdragon)	8"-30"	May-Oct.	Various	Dwarf and tall sorts for front, middle and back of border; unsurpassed for cutting.
Aster	18"-30"	July-Sept.	Lavender, pink, white	Masses of color in the late garden or for cutting.
Balsam ( <i>Impatiens</i> )	18"-30"	June-Sept.	Pink, white, various	New improved types of this old favorite; avoid too rich soil.
Calliopsis	18"-36"	June-Sept.	Yellow shades	Very long season; ideal for yellow in the mixed border. D.
Dianthus (Annual Pinks)	12"-15"	July-Sept.	Pink, salmon	The Garden Pinks, liking cool weather thrive, wonderfully.
Eschscholtzia (California Poppy)	10"-12"	June-Aug.	Golden yellow, various	Masses of golden yellow; easy from seed sown where to bloom; new varieties. D.
Godetia	12"-15"	June-Sept.	Rose, crimson, white	Thrives perfectly; satiny cupshaped flowers.
Larkspur ( <i>Delphinium</i> )	18"-24"	June-Oct.	Blue, various	More graceful for cutting than perennial type; display in middle of mixed border; self-sows.
Lavatera (Annual Mallow)	36"-48"	June-Sept.	Pink, rose	Hollyhock-like foliage and flowers; good against evergreens or wall; Loveliness particularly fine.
Petunia	15"-24"	May-Oct.	Pink, various	Unsurpassed for ground cover, walls, banks, window boxes; "Portland" varieties.
Poppy	8"-24"	May-Oct.	Various	Sow where to bloom; special planting for late bloom. D. R.
Sand Verbena ( <i>Abronia umbellata</i> )	4"-6"	May-July	Lilac, pink	Low, trailing vine; sandy soil, near seaside; self-sown. D.
Salpiglossis	24"-30"	June-Sept.	Various	Velvety Morning-glory-like flowers; wide color range; border or cutting; easily grown.
Sweet Pea	36"-72"	June-Sept.	Pink, various	Blooms to perfection over long period; sow in autumn or very early spring.

(Lists continue on page 92)

# The Gardener's Calendar for March

This Calendar of the gardener's labors is planned as a reminder for taking up all his tasks in their proper seasons. It is fitted to the climate of the Middle States, but may be made available for the whole country if, for every one hundred miles north or south, allowance is made for a difference of from five to seven days later or earlier in the time of carrying out the operations. The dates are for an average season

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<p>● New Moon, 7th day, morning, E.</p> <p>☾ First Quarter, 15th day, morning, E.</p> <p>○ Full Moon, 22nd day, morning, W.</p> <p>☾ Last Quarter, 28th day, evening, E.</p>						
<p>6. Bluebirds will soon be arriving from the South, and the Wrens will follow a few weeks later. Are your grounds supplied with good nest-boxes for them? One of the best looking and most practical types is made of rustic Cedar wood in several designs and different sizes.</p>	<p>7. All pruning should be stopped before the sap starts to flow upward. This applies particularly to Grapes and deciduous trees of many different sorts. Evergreens in need of shaping and thickening may be sheared advantageously as the new growth gets under way.</p>	<p>8. Winter damage in the rock garden should be repaired at once. It is likely to include miniature washouts and the upheaval of young plants by frost. Get at it the moment the last of the frost comes out of the ground—if not before. Repair erosion damage with fresh soil.</p>	<p>9. Twigs, dead and flower stalks and all manner of left-over winter debris around the garden should not only be gathered up, but burned completely. It is unsightly and may harbor insect pests which, if not destroyed now, may cause a lot of trouble later in the season.</p>	<p>10. The winter protective covers may now be removed from the Box-wood and other ornamentals. A cloudy, damp day is best, with a prospect of mild weather to follow. Better leave the windbreaks for evergreens until later, after danger from the spring winds is over.</p>	<p>11. It is a good idea to examine the Wild Cherry, Cherry and Apple trees for any tent caterpillar egg clusters which may have been overlooked in the winter. If any are found they'll be on the smaller twigs, which can be cut off and burned to destroy the eggs.</p>	<p>12. Asparagus plants start growth so early in the season that it will be well to dig in their mulch now, thus avoiding the danger of injuring the stalks. For stimulation of the roots, nothing is better than the mixture of peatmoss and dried manure now obtainable.</p>
<p>13. Wood ashes from the fire-places are one of the best all-around plant stimulants. Scatter them rather thinly over the lawn, garden or border and let them leach in with the rain. If no home supply is available, wood ashes can be brought from the garden stores.</p>	<p>14. Hardy nursery stock can be set out in its permanent position as soon as the ground is free from frost. The earlier this is done the better, in order to assure a maximum season of growth. While planting, be sure to firm the ground well around the roots.</p>	<p>15. Grape trellises and other wooden frameworks on which fruiting or ornamental vines and climbers are trained need occasional painting and repairing to keep them in dependable condition. Do this now, before the growth of the plants on them gets under way and covers them.</p>	<p>16. Thorough and regular forking over is one of the secrets of making a good compost heap, for it will mean a good mixture and more rapid disintegration of the contents. The addition of slaked lime and some manure will help to sweeten and enrich the pile.</p>	<p>17. If you plan to make any new lawn this spring, begin the work early by digging, removing stones and thoroughly raking and leveling preparatory to seed sowing. Good top soil and a fair amount of plant food are important to all lawns, especially newly made ones.</p>	<p>18. Lime is the great remedy for acid soil, which in turn is the cause of many garden failures. It should be applied in the form of slaked lime or land plaster. Lime corrects excessive acidity and is of further value in helping to break up the consistency of heavy clay soils.</p>	<p>19. Plantings of perennials, shrubs or trees made last fall should be examined before new growth actually starts into activity. If the ground has heaved with the frost, firm it down carefully with the feet so that the roots can function properly without being dried by the air.</p>
<p>20. Seeds of annual flowers, and of such vegetables as Tomatoes, Peppers and Eggplants, may be kept indoors at a sunny window after sowing in light, well drained soil. Do not let the surface of the soil become dry prior to germination, but on the other hand, don't over-water.</p>	<p>21. The manure mulch which has lain on the lawn all winter should be raked into piles and removed to the garden where it is again spread and dug well into the soil. There is still some plant food in it, and as it disintegrates it will become valuable humus material.</p>	<p>22. Accurate garden records are the best sort of guide to future work. They should include such data as seed names, planting dates, and time to maturity. Indeed, everything that bears practically on personal garden experiences is worth recording in a notebook.</p>	<p>23. A well-managed green-house is a year-round producer. Through the spring and summer it can be used for cuttings, Chrysanthemums, potted fruits, etc. Manufacturers are now showing a tendency to decrease prices and simplify the erection costs—praise be!</p>	<p>24. Strawberry winter mulches can come off now and the soil around the plants be given a thorough cultivating. The fresh straw mulch, the purpose of which is to keep the fruit clean and free of grit, is applied later in the season after the berries have formed.</p>	<p>25. Sweet Peas can hardly go into the ground too early in the season. They must get the longest possible start before hot weather sets in on them. The best plan is to prepare the trench deeply in autumn, mulch heavily to exclude frost and plant the seed in March.</p>	<p>26. No general spading or forking over should be done in the vegetable garden before the soil is dry enough not to form clods when turned over. Otherwise, you may be bothered throughout most of the season by chunks of soil which won't break up properly.</p>
<p>27. Plenty of fresh air and sunlight are essential to seedlings indoors or in the hotbed or cold-frame. Lack of them often leads to that fatal and rather obscure disease, "damping off." In the early season, though, guard the tiny plants against cold air and risk of night freezing.</p>	<p>28. Instead of throwing away the dead leaves, litter or old manure that mulched the border last winter, dig it under around the plants to benefit the soil. Do this when growth first appears sufficiently to disclose the plants' exact whereabouts, and carefully avoid damage.</p>	<p>29. Early spring is an excellent time to plant hardy evergreens, both coniferous and broad-leaved, for there is usually plenty of rain and their roots will soon be in active growth. When hot weather comes they will have taken hold of their new locations fairly well.</p>	<p>30. Should any of the smaller trees appear thrifty, try digging a trench around them 4' from the trunk, filling it with good, rich loam and firming well. If this is impossible, they may be given tree-food in holes punched into the ground at intervals with a crowbar.</p>	<p>31. Dahlia tubers from which you plan to raise cuttings may be started now. Put them in pots or boxes of sand and keep them warm and well watered. When the shoots have formed their third or fourth set of leaves they are large enough to cut and place in the rooting medium.</p>	<p>First Week: Clear and warm.</p> <p>Second Week: Young blizzard.</p> <p>Third Week: Thaw, rain.</p> <p>Fourth Week: Dry and blustery.</p>	

## Financial difficulties, says Old Doc Lemmon, beset even Samson Corners

"Course, I don't really know much 'bout it, but still an' all I calc'late that these here now financial troubles that the papers are so full of hev hit purty nigh ev'ry town in the hull country. Why, even up here in Samson Corners we've gone an' got us into a money pickle, though mebbe it ain't just the sort that some o' the big cities are up ag'inst. As a matter o' fact, there's a-plenty cash in the village treasury—close onto seven hunderd dollars—but seems like nobuddy can't up an' spend none of it. An' so, Miss Luella Griffin's livin' on charity an' Con-stable Pangborn's hung up his nickel-plated star an' gone back to raisin' hawgs.

"Miss Luella she's the village school teacher. For nigh onto fifteen year she's been larnin' their letters to the kids winter after winter, an' twicet the Board o' S'lectmen has raised her pay—fust from forty to forty-five dollars a month, an' then to forty-six fifty. A good teacher, she be, an' steady-goin' as a Morgan mare; that's why we're so upshot 'bout her not gittin' none of her wages

since last November. Seems like it ain't right, whut with all thet money layin' there in the treasury—but fur's I can see we can't do nothin' 'bout it afore the next 'lection.

"Why? Wal, ye see, it's like this:

"There's a State law which says that two out o' the three S'lectmen hev got to be present to say so afore the Treasurer can pay any o' the village bills, an' we ain't got two. Lem Hoskins an' Nate Stroud an' Wilbur Edwards was the three who come in at the last 'lection, but Nate he moved away acrost the State Line 'bout the end of August an' Wilbur up an' died of old age an' not enough applejack 'round the time o' the fust black frost. So Lem's the only one left, an' one ain't enough to authorize Miss Luella's pay nor Con-stable Pangborn's, neither. Even if it was, I dunno as how it would do much good, for Jawn Hawley, the village treasurer, he's got the creepin' palsy so bad that I misdoubt he'd be able to count out the money right, anyhow.

"No sir, it don't look like nothin' could be

done only wait until we can put in a new quorum, as ye might say, at the next 'lection, an' thet's a long ways off. Meantime, I calc'late as how us folks'll hev to take care o' Miss Luella the best we can an' try to keep her sperits up. As for Con-stable Pangborn—wal, I allus figgered he was better at takin' care o' hawgs than enforcin' law an' order, anyways. Come to think of it, there ain't never been nothin' for him to do as a sworn officer, only for thet time a couple year back when Zeke Cuddeback claimed a city feller hed shot one o' his cows thinkin' she was a deer an' Zeke sot out for to hev him arrested.

"So ye see, as I was a-sayin', gov'ment money trouble don't play no fav'rites. Mebbe Philadelph' an' Chicago an' N'York an' the rest o' them big cities owes folks more'n Samson Corners does, but thet ain't the p'int. Whut really counts is how much folks is upshot by the mess, an' whut can be done 'bout it. Figgerin' thisaway, I guess Samson Corners is about as bad off as any place, big or leetle, thet ye ever heard tell of."



# Soups that give a glow to the meatless meal

*Strictly vegetable—  
for Lent, Fridays, Any day*

The days, the seasons come when meat does not appear on many a family table. Then the meal-planner has a special responsibility to keep the table at its usual happy, cheerful key—to retain the customary brightness and charm in attracting the family appetite. Have you taken full advantage of these four Campbell's Soups—Tomato, Pea, Celery, Asparagus? There's nothing like piping-hot soup to give an instant

"lift" to any meal. All four of these soups are strictly vegetable and so can be served freely in Lent, on Fridays and any day throughout the year. They are enriched with nourishing creamery butter, instead of with meat. And simply by the addition of milk or cream instead of water, any one of these four Campbell's Soups can be easily served as a Cream Soup. Order a supply today.

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## What's new in building and equipment

(CONTINUED FROM PAGE 53)

**COLOR IMPREGNATION OF WOOD.** By means of an original process, logs may be imbued with a color stain before they are run through the saw at the mill. This treatment will penetrate the entire thickness of the log, although the sap wood furnishes the best resulting colors, since the tannic acid in heart wood forms on the pigments. Every piece of trim, molding, or flooring subsequently cut from the sap wood of a log thus treated will be found uniformly colored from face to back. Interesting two tone effects may be possible by combination of heart and sap wood in a single piece.

When white pine or poplar trim is bought thus pre-colored, it is possible for the purchaser to make a definite selection of the suitable shade prior to purchase. The color will be already in the piece and no amount of planing or sanding will uncover any variation of it. The wood will show to additional advantage, in fact, since the stains by which it is impregnated in this process, developed by the General Preservatives Corp., tend to accentuate the grain of the wood. As soon as trim is erected or a floor laid, a coat of lacquer or wax applied to it will complete the decoration.

**ELECTRIC IRON.** Pushing an iron up and down the length of an ironing board is no longer necessary. An original method of performing this household task is found in an electrically heated iron which remains stationary, while the pad beneath it reciprocates against the heating surface. Clothes to be pressed are shifted along between the two surfaces, an operation which may be carried on with the housewife seated.

The device, by Crosley Radio Corporation, will iron everything which can be ironed by hand. There is no drudgery in its operation; results are gratifying and speedy. Fabrics cannot be injured, nor buttons broken. The temperature of the heating element is regulated by thermostatic control at finger touch.

**METAL BASEBOARD.** How often have you wished to add electric outlets in some room of the house and found it an expensive and dirty job? The usual difficulties will not be experienced where a metal base, which incorporates two raceways for the running of wires, is adopted. Such a base, manufactured by Dahlstrom Metallic Door Co., has a lower channel for electric wires and an upper one for telephone and bell wires. From these, supplementary outlets for electric service, or for telephone or bells, may be installed at any future date. Expansion of service in the future requires no structural changes; additional wires are pulled through the raceways when they are required.

**NON-RUSTING METAL CASEMENT.** The present vogue for the metal casement window in all architectural styles finds an aluminum casement made available in a complete range of standard sizes by William H. Jackson Co. It is claimed that this window cannot shrink, warp, bind or rattle. Nor can it rot or rust, or cause disfiguring

stains on the wall beneath. Properly installed, it is said to be permanently air- and water-tight, it never requires painting and is easily screened. Pivoting of the sash at some distance from the frame allows clearance for easy cleaning of the glass. Such a window is a real economy since it should be expensive free during a long period of service.

**CONCEALED DOOR-CLOSER.** A concealed door-closer, recently perfected by the Yale & Towne Manufacturing Co., will solve a difficult problem for many households. It may be mortised into the top of a door which is at least 1 3/4 inches thick and has a top rail six inches wide. It is entirely invisible, and yet may be readily regulated by two screws on the top of the case. A high grade mineral oil, used as a checking medium, assures continuous lubrication. It is noiseless in operation, smooth and free from backlash. The door may be held open flat against the wall whenever desired.

**UNIT INCINERATOR.** Moderate-priced homes, and those where space is limited, may now enjoy the advantages of household incineration. The unit arrives completely assembled, and requires no special brick chamber construction. It is built into a space less than 19 inches square in the base of a chimney under a flue of proper size.

The outer shell is of heavy sheet steel, riveted to rugged frames. Sections of 3/16 inch corrugated cast iron constitute the inner lining. The full dumping grate is so designed that the gas flame provided does not impinge upon it, but has full, free access to the material above. Air space between outer shell and inner lining provides insulation by continuous circulation of air.

The experience of the Kerner Incinerator Co., manufacturers of this unit, led to the adoption of the gas fired dryer-igniter, one of the special features of this equipment. It has been found that units of small capacity, such as the one here described, need a fairly large flame to start the material burning. Far greater consumption efficiency is said to be obtained by preliminary drying out of all waste to be disposed of.

**NEW INSULATING PRINCIPLE.** Reflection of heat back from a polished surface is the latest theory in insulation. Brightly polished aluminum, as an example, is said to reflect 95 per cent of the radiant heat which falls upon its surface. Permanence of the polished surface of a foil made from this metal is assured by a layer of transparent oxide, which protects the metal from attack, and is itself unaffected by the atmosphere.

Insulating characteristics of the aluminum foil are summarized by the Alf Insulation Co., its manufacturer, as follows: negligible weight; low heat storage capacity; imperviousness to moisture; cleanliness in application and use. There is no dust or dirt attendant upon installation of this foil, nor has it any unpleasant odor.

Insulation is built up by application  
(Continued on page 76)



# “Since I started gargling Listerine I almost never have a Cold”



TESTS SHOW

*Listerine*  
GARGLE

reduces Number of Colds 50%  
reduces Their Severity 75%  
reduces Their Duration 66%

Everywhere men and women are talking about the remarkable power of Listerine to keep them from catching cold, and to convert what threatened to be severe colds into mild ones. School teachers, guarding the health of their little charges, join parents in praise of the twice-a-day Listerine gargle.

**Not Opinion, But Fact**

And now, just to clinch matters, a number of scientific tests, conducted under medical supervision, show that public endorsement is based on scientific fact. They prove once again that to be efficient in the control of infection, a mouth wash must not only kill germs, but that it must do so without harm to tissue. Harsh mouth washes, authorities say, could not possibly achieve the results credited to Listerine, the safe antiseptic. Because Listerine, while it kills germs in the fastest time and reduces bacteria 98%, also heals tissue.

**Succeeds Because Safe**

Here, in brief, is an outline of some of the tests and their remarkable results:

204 people in normal health were under medical supervision in winter weather for periods ranging from 4 weeks to 4 1/4 months. During this time, 1/3 of the number did not gargle full strength Listerine. 1/3 did gargle with it twice a day. 1/3 gargled with it five times a day. Now, see what happened:

**One-Half as Many Colds for Garglers**

Those who gargled with full strength Listerine twice a day, contracted only 1/2 as many colds as those who did not gargle.

When Listerine users did contract colds, their colds were 1/4 as severe and lasted only 1/3 as long as colds caught by non-Listerine users.

Those who gargled with Listerine five times a day showed even greater resistance to infection, although not in the proportion to the frequency of the gargle.

These results, brilliant as they are, do not mean that Listerine should be a substitute for the family physician. They do mean, however, that Listerine should be used systematically twice a day as a means of fortifying the oral tract against infection.

**Prove It Yourself**

All we ask is that you try Listerine and see how well it lives up to the claims we have made for it. Lambert Pharmacal Co., St. Louis, Missouri.



also relieves  
**S O R E  
T H R O A T**

E F F E C T I V E   B E C A U S E   S A F E



## Embossed Queensware

Ever since Josiah Wedgwood executed a special dinner service for Queen Charlotte in 1763, the Wedgwood Potteries have been supplying the finest tableware to the crowned heads and aristocracy of Europe. \* \* \* Embossed Queensware, first made in 1770, has the rare distinction of one hundred and sixty years of unwavering popularity. It is made today in much the same way as in the Eighteenth Century. The classic shapes—so characteristic of Wedgwood—are retained, while the graceful embossed decoration, in pale blue (called lavender) or cream, still is applied by hand upon the rich cream or ivory ground. \* \* \* Whether it be a single decorative piece or a complete dinner service, Embossed Queensware compels immediate appreciation.

Upon request we shall be pleased to send you a copy of our illustrated booklet.

**Josiah Wedgwood & Sons, Inc.**  
OF AMERICA

Mark on China



160 FIFTH AVENUE · NEW YORK

Northwest corner of 21st Street

WHOLESALE ONLY

Potteries: Etruria, Stoke-on-Trent, England

Mark on

Jasper, Basalt,  
Queensware, Etc.

WEDGWOOD

## What's new in building and equipment

(CONTINUED FROM PAGE 74)

of several layers of foil, usually crumpled to maintain air space between successive sheets. It is extensively used for insulating steam mains, and for enclosing hot water tanks to prevent wasteful loss of heat. It is particularly valuable as an insulation agent where its light weight will prove an asset.

**UNUSUAL LUMBER JOINTING.** Wood sheathing joined together with a lock joint resembling the interlocking of blocks is recommended to form a solid mass of lumber over any surface to be thus covered. The Jointite Co. claims the design is simple and fool-proof, with elimination of variation in alignment and level. The novel design results in a weatherstrip joint which does not require battens for protection against the elements.

**HUMIDIFIER.** Improved conditions of humidity in the atmosphere of the home may be provided by installing a humidifier unit on a steam or hot water system. Such a unit is available in two sizes, one for installations up to 15,000 cubic feet, which will vaporize from 7 to 10 gallons of water daily, and one to meet larger demands, with a capacity of from 15 to 20 gallons a day. The air of the room cannot be oversupplied with moisture, since the principle used is the air absorption of water. Dust is removed from the air during the process.

The humidifier, made by Trane Co., is low in first cost, easy to install and simple in its operation. In addition to

heating supply connection, it requires a water feed and waste pipe. It occupies little floor space and is quiet in operation. Enclosure cabinets are of sheet steel finished in two-tone color effects, or with a prime coat only, where it is desired to paint it to match interior decoration of the room.

**CLOSET EQUIPMENT.** Seven convenient fixtures have been designed by Knappe & Vogt Mfg. Co. to utilize every inch of space and provide a place for every garment. Of first importance among these is the garment carrier, which may be easily attached to shelf or wall. Since this rod is pulled out is opened, the efficiency of shallow closets thus equipped is greatly increased. An alternate fixture is the extension closet rod of nickel plated, cold rolled steel, which may be adjusted to take up the full width of the closet. Then there is the stationary garment bracket which extends horizontally from the wall.

Fourth is the shoe rack, attached to baseboard, wall, or door, whereon shoes may be neatly hung in pairs.

There is also a hat holder, to keep hats clearer of a dusty shelf. Four pairs of trousers may be hung full length by the cuffs, thereby always remaining in press, in the hanger recommended. A tie rack is the last, a convenient place for neckwear, keeping ties orderly, presentable and accessible. These seven convenient fixtures are as practical for dressing up the old closet in the home needing remodeling, as they are in the new house.

## Old-time roses are coming back again

(CONTINUED FROM PAGE 37)

*Gem:* A miniature or pompon Moss Rose; rosy crimson, splendid for corsage or boutonniere.

*Malvina:* Pink. *Madame Louis Lévêque:* Largest bloom of all, bright pink, recurrent. *Monsieur Pélisson:* Carmine, very lovely. *Nuits d'Young:* Maroon (*Nuits* is French for nights). *Salet:* Rosy pink, recurrent. *Zénobia:* Satiny pink.

To that list we may add Crested Moss (Chapeau de Napoleon), a curious variety with sepals heavily ornate, but the calyx has no moss.

The Centifolia or Provence Rose is the variety grown by the Turks for rose water and it was imported at the same time as the Damask. Long before being used for perfume, it was grown as one source of vegetal pure blue dye, as the petals are very rich in cyanin (pure chemical blue); when one treads on very old Turkish rugs he is walking on Rose petals! *Rosa Centifolia* has been used extensively in hybridization, and most Hybrid Perpetual and Hybrid Teas descend from it; hence the disposition of some to "blue". Most hybrids are classed as Perpetuals and only the types are available as true Centifolia:

*Rosa Centifolia:* Red and white types.

*Konigin Von Danmark:* Flesh pink.

*La Noblesse:* Light rosy pink.

*Madame d'Hébray:* White striped lilac.

*Ocillet:* Bright pink.

*Old Tuscany:* Blackish maroon.

*Pompon de Bourgogne:* Small flowers, pale pink.

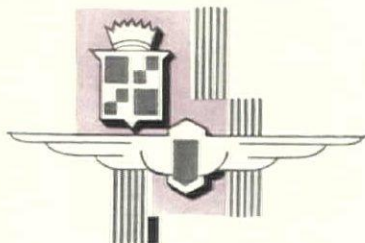
*Red Provence:* Crimson.

*Rosa Mundi:* Multicolored white, pink and red (not to be confused with York and Lancaster).

*Vierge de Cléry:* Snowy white.

The Damask Rose is the Attar Rose. Many experiments have been made with hybrids of Damask and other strains but none as yet gives a larger yield of essential oil than the original type. There are the single form and the double form (*R. damascena tringitipetala*). The most interesting form is York and Lancaster, red with irregular markings of white and at times entirely red or entirely white. A famous old Rose (originated in 1551) about which much romancing has been done, connecting it with the War of the Roses after the close of that struggle.





## *For a Richer Existence*

It is told in the fable of King Midas that everything he touched turned instantly to gold. And it made King Midas a miserable man, so that he prayed aloud for relief from the treasure that surrounded him. Now King Midas but learned, in this unusual way, what every man ought to know as his birthright: that gold and silver and riches like these are as nothing within themselves. It is only when they point the way to a fuller and richer existence that they justify the space in which they are stored away. . . . It is because so many people have come to recognize this that Cadillac and LaSalle enjoy the patronage they do. For there comes with these distinguished cars a degree of pleasure and enjoyment which makes their cost as nothing for the man who has the means. No one, we believe, could view and drive these beautiful creations without the conviction that they make life richer wherever they go.

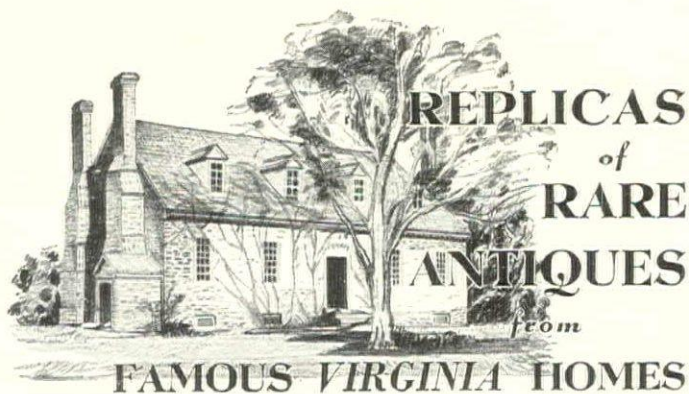


*❖ LaSalle prices range from \$2395, Cadillac from \$2795, f. o. b. Detroit ❖*

**CADILLAC MOTOR CAR COMPANY**

DIVISION OF GENERAL MOTORS

*Detroit, Michigan*



## WAKEFIELD

ONE of the important events in connection with the celebration of the Two Hundredth Anniversary of the birth of George Washington is the restoration of Wakefield—his birthplace. The Virginia Craftsmen were chosen to make the reproductions of the Early American furniture to be used in this restoration, and permission to make additional copies has been granted. Three of these pieces are illustrated on this page. Because of the fidelity of their reproductions, the Virginia Craftsmen have been granted the privilege of copying many rare Colonial antiques now privately held in old Virginia homes. Whether desired in groups for



Court Cupboard especially built for Wakefield. It is of oak, and its wrought iron hardware was made in our own blacksmith shop.

## INTRODUCTORY OFFER

FOR the benefit of those who are not acquainted with the high quality of materials, workmanship, and finish of our furniture we are making a special offer of this adjustable candle stand in maple. This will be sent to you prepaid upon receipt of \$15, check or money order. Wired for electricity \$30.



Replica of an Early Sixteenth Century Mirror. The frame is of solid walnut, with burl walnut scroll work. The candle holders are of hammered brass and the mirror is bevelled glass plate.

any room in the house, or in the occasional piece, the purchaser may be sure that his Craftsmen furniture is a faithful replica of the original. We shall be pleased to send you upon request a copy of our illustrated booklet describing these charming reproductions, and to tell you where you may purchase them in your vicinity.

# Virginia Craftsmen Inc.

HARRISONBURG, VIRGINIA

New York Showrooms  
427 PARK AVENUE

Chicago Showrooms  
1518 MERCHANDISE MART

## Northwestern flower gems

(CONTINUED FROM PAGE 51)

violet blue with paler throat, classed by M. Correvon as the most desirable Pentstemon for rock work. *Rupicola*, semi-prostrate, with rose or red flowers held above the grayish foliage on short stems; especially drought resistant and good for dry places and walls. These will do well to start with. Others are *cardwellii*, bearing bright purplish-rose flowers intermittently through the season; *newberryi*, similar but deep pink; *fruticosus*, foliage dark green, flowers lavender-blue; *menziesi*, and *rattini minor*, both semi-prostrate, the former with flowers blue to purple, the latter Forget-me-not blue and fragrant.

To the fine group of dwarf Phloxes adds several equally desirable. *Phlox adsurgens* is certainly one of the most beautiful of all the creeping forms. Its flowers are fairly large, held slightly above the bright green foliage, and are of a salmony pink; it has a longer season and flowers later than *subulata* and other early spring sorts. *Diffusa* has large flowers, produced singly, of white, pink or lavender, and blooms more or less throughout the season. *Douglasii* makes a more compact or tufted growth, with individual flowers of bright lilac to white.

### NATIVE SUCCULENTS

While the Sedums and Saxifrages thrive in the Northwest and are popular in local gardens, there are comparatively few native species. At least two of each, however, are well worth adding to our Eastern gardens. *Sedum spatulifolium*, from Northern Oregon, forms a neat mound of clusters of fleshy flat foliage, each terminating in bright yellow flowers during early summer, while *oreganum*, somewhat similar in habit, has bronzy-green foliage with smaller bright golden flowers. Both are excellent to precede the later flowering Sedums. *Saxifraga caespitosa*, as neat and compact in habit of growth as a Sedum—quite as fine as and easier to grow than many of the "mossies" from the other side—is an early bloomer; I saw it in flower near Tacoma in mid-April. It is especially abundant on Mount Mitchell. From Mt. Rainier and Mt. Jefferson comes another little gem, *S. tolmiei*, forming a creeping, solid carpet dotted with small stary flowers on short stems. Both do best with gritty but moist soil and a northern exposure, or at least shade during the hottest part of the day.

Several dwarf growing Asters, Campanulas and Erigerons may be added to the list. There are Northwestern forms of *Aster alpinus*. *Andersonii*, from California, has purple or blue flowers; *hesperius*, California's "wild Aster", is a distinct shade of pale lavender. *Petiolata*, the Olympic form of *Campanula rotundifolia*, is much more compact growing than the usual type, although the flowers are larger; it stands drought and is easy to grow, but flowers more continuously—May to November—in fairly moist soil. *Piperi*, also from the Olympic Mountains, is quite distinct; it forms compact rosettes or evergreen foliage, the flowers being bright blue with sharply contrasting red stamens.

The Erigerons, always charming and all too little appreciated, are well represented in the Northwest section. *E. alpinus* is native here as well as in Europe. *Trifidus* is a fairy gem with tiny Daisy-like flowers of delicate lavender on three-inch stems held daintily above the flattened, compact foliage; it blooms from May through June and July to August.

Two dwarf Trilliums, *rivale* and *petiolatum*, bring a new charm to the shady, woodsy corner of the rock garden, or the wild garden. The former attains a height of eight inches, and is white; the latter, still more dwarf, bears purple flowers. *T. ovatum*, similar to our Eastern *grandiflorum*, is perhaps somewhat larger and coarser, often changing from pure white to deep rosy pink. I came across one colony of these, on a steep rocky hillside, in full bloom and at least an acre in extent. The effect, there in the dim shade of towering trees, was fairly breath-taking.

*Douglasia (Androsace) vitaliana*, a very attractive dwarf for the rock garden, much better known abroad than here, has a cousin, *D. laevigata*, with flowers of cheerful bright pink, held clear of the compact tufts of glossy dark foliage on little three-inch stems. It inhabits the Olympic Mountains and has just recently been domesticated.

Two popular natives of Washington and Oregon, locally known as Queen-of-the-Spring and Oregon Sunshine, are *Synthyris rotundifolia* and *Eriophyllum caespitosum*. The former bears clusters of beautiful lavender-blue flowers held on six-inch stems above loose crowns of scallop-edged round leaves, which are decorative even after the flowers, among the earliest of all—February or March in Oregon—are past. *Eriophyllum caespitosum*, especially valuable because it will grow in extremely dry, poor soils, has attractive gray Yarrow-like foliage and Daisy-like yellow flowers produced freely and making a brave show all through midsummer.

### A GOOD BROAD-LEAF

One of the most interesting rock garden broad-leaved evergreens I have seen anywhere is a Holly-like shrub, dwarf and compact, with spineless leaves margined yellow and cream, which I encountered in a nursery near Portland. While not a native—the stock having been propagated from a plant brought over from Japan some twenty years ago—it does well under Coast conditions and seems suited, from trials, to other fairly mild climates. It is an *Onnanthus*, cataloged as *illicifolia variegata*.

While all of the preceding are adapted to rock garden planting, though many of them may be grown as well in the well drained border, there are a number of other native perennials deserving general use in our hardy borders.

One of the most striking of these is *Delphinium nudicaule*, with flowers of brilliant scarlet, stems a foot and a half or so in height, and considerably harder than *D. cardinale* of California.

(Continued on page 98)



## COACHWORK OF DISTINCTION IN A CAR OF LOWEST PRICE

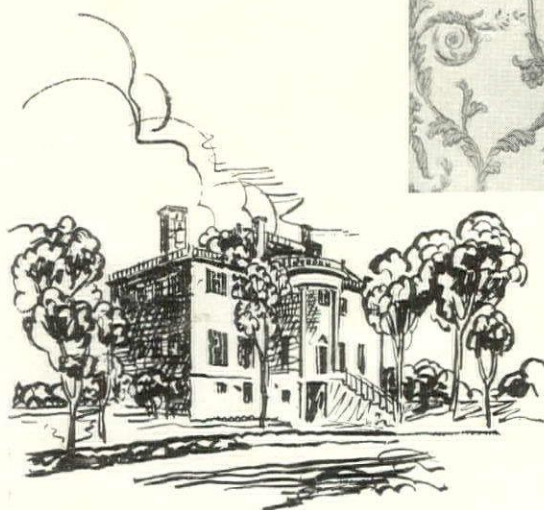
Chevrolet has long had the happy faculty of turning out smart personal cars with a certain well-groomed air about them. Witness the new Sport Coupe, a characteristic example of Chevrolet styling, with its distinctive body by Fisher. The lines of this model lay special stress on lowness, length and fleetness. The body-contours are clean and smooth, with a welcome absence of anything that might detract from their simplicity. Just enough bright fittings have been added, on radiator and hood, to give the car sparkle and dash. And the interior has been tailored and fitted in the quiet, luxurious way that suggests custom craftsmanship . . . and assures complete relaxation. Yet, distinctive as Chevrolet is in coachwork, probably its chief distinction lies in its performance. For, in addition to smooth multi-cylinder operation, Chevrolet combines Free Wheeling with simple, easy, non-clash Syncro-Mesh shifting.

**NEW  
CHEVROLET  
SIX**

*Priced as low as \$475, f. o. b. Flint, Michigan. Special equipment extra. Low delivered prices and easy G. M. A. C. terms. Chevrolet Motor Co., Detroit, Michigan. Division of General Motors*

THE GREAT AMERICAN VALUE FOR 1932

THE KNOX—No. 7000—Used originally in the reception room of the Knox Mansion, this design in the classic French style suggests the taste of Lafayette, who advised General Knox on the important matter of furnishing and decorating his new home.



Montpelier—the home at Thomaston, Maine, of General Henry Knox, first Secretary of War, the friend of Washington and Lafayette and one of the leaders of his time. Of painted brick, timber, and stone, it was a Colonial mansion in the grand manner—to which five hundred people were invited for a "house-warming" on July 4, 1795!

## From the gracious walls of MONTPELIER . . .

When the Knox Mansion was recently restored, the committee sought out the Strahan Company to reconstruct and reproduce the original wallpaper designs. Parts of the fine old patterns were missing—it was a work that required the utmost skill and the most intimate knowledge of the period.

Today these stately rooms are papered as they were a hundred and fifty years ago—when sailing ships brought the treasures of old France to the shores of the new world. And the Knox papers are shown in the Strahan collection . . . available now to all who appreciate exquisite things, typical of the authentic character of all Strahan designs—traditional or modern.

Ask your Dealer or Decorator to show you our four Knox Memorial papers—the Knox, No. 7000, the Montpelier, hand-print No. 301, the Lafayette, No. 7006 and the Talleyrand, No. 7010.

# Strahan Wallpapers

THOMAS STRAHAN CO. Factory, CHELSEA, MASS.

Established 1886

New York Showroom  
417 FIFTH AVENUE



Chicago Showroom  
6 NO. MICHIGAN AVENUE

## Arranging cut flowers as they do in Japan

(CONTINUED FROM PAGE 44)

ciling principle that acts between Heaven and Earth.

*Shin, soe* and *tae* form the triangle, the structural principle of all Japanese schools. The balance and unification of three inequalities; this is characteristic of Japanese construction.

Ikebana is strongly influenced by the seasons. The sight of water is cooling in summer, but in winter the water must be concealed. Though the forests are leafy and deep in summer, the airiest treatment of the fewest flowers is appropriate. In winter the most flowers are used. They compensate within for the bareness outside. Spring and fall are intermediate between the cold and hot seasons. In fall the branches are emphasized, in spring the blossoms, in summer the leaf. Nature and philosophy have made this art rich in subtle adaptations, and ever new with each new hand that touches it.

Earth, *tae*, shows the greatest variety of form from season to season. Heaven and Man bear constantly the same relationship to each other, but Earth shifts its position and aspect. For example, see the white winter illustration on page 43. In winter Earth starts in front of Heaven and Man, and runs from the side where they stand, across the whole front of the bowl. All the water behind is hidden. Earth is not a group, but a line; each variety of flower in it is in characteristic pose, surrounded by its leaves as if growing. A bud or two stands above the blossoms, just as in the garden. But each blossom is seen; each fills a definite place in the form.

### A SUMMER GROUPING

Look at the yellow summer arrangement. It is restrained, simple; Earth is made of only a few flowers loosely put together. They rise from behind the trunk of Heaven and outline the back edge of the bowl. All the water in front is allowed to show. It cools us and freshens the room.

In the fall the relative position of Earth changes again. The holder for the arrangement is placed about one-half of the way back, to one side of the bowl. Earth reaches forward into the bowl from the side of Heaven. About three-fourths of the water is seen under the end of Earth.

In the spring, as in the Larkspur arrangement, an energetic Earth springs from the side of Heaven and Man. It does not extend far into the bowl, but is a little taller and sprucer than in winter. We see water again, hidden from us in winter. Of all the seasons spring seems to me the most characteristically Japanese. It has strength, exquisite restraint and fresh beauty. In the spring all growing things seem deathless. So, in spring a realistic arrangement is most desirable.

Of course Ikebana gives only the representation of growth. Here symbols have their use. By the symbolic form we are transported to the outside world in imagination. Each plant is behaving naturally. Instead of being bound and restrained by the discipline of the design, we become freed within it to use our own ideas.

There is variety without end in this Moribana form. Heaven and Man can look upward in the form of Peach

blossoms, or droop to the earth in the form of Willows. They can twist in fantastic balance—Forsythia blown by a March wind—and still be well proportioned, artistic. The contrasting, colorful Earth offers even more variety in matter as well as form, with all the garden flowers available.

If June is treating us to a scorching day, make an arrangement of three Iris of uneven heights: one for Heaven, one for Man, and one for the valley between. Arrange the leaves higher than the blossoms and curving outward gracefully. This time place Earth at the other end of the long low bowl, as in the Wisteria arrangement on page 42. A few Waterlilies here nestle among their leaves which are cup-shaped above the flower heads. How simple it sounds! This is one of the most difficult though loveliest of arrangements. Though Heaven and Man are separated from Earth, there must still be unity, depth, proportion and balance; and we must actually tie the water into each Waterlily leaf after filling its veins full under the faucet. The arrangement will be strong and cool for a week.

### KEEPING FLOWERS FRESH

Preserving flowers is a matter of considerable importance to us, especially in our dry, overheated houses. How many readers of these words will believe that flowers standing in a shallow bowl with only an inch of their stems in water will last longer than in a tall, narrow vase with 8" or 10" of their stems under water? It is true. How can we expect flowers to get pure nourishment from water which is becoming stagnant with rotting leaves, which can get no purification from the air, since the neck of the vase is jammed tight with stems? Let in the light and air. It is always necessary to preserve life.

Of course flowers in a shallow bowl must start fresh and strong. If the flowers for Earth have wilted while waiting to be arranged, give them the tonic of cool deep water till they are braced. If then they are put in a shallow bowl, they will hold their position, even though bent, until completely dried out and passé. They will not wilt again unless overheated. Even so they do better in a shallow bowl. A few lumps of ice will keep it cool.

Some delicate blooms, as the Lilac and Wisteria, need special preservatives. The most practical way to preserve flowers of this kind is to boil two or three inches at the end of the stem in water, or sear the ends over a flame for some seconds, before plunging them in cold water. The heat circulates through the plant and strengthens and preserves its most delicate blossoms. Branches that begin to wilt, yet are not dying from old age, can be restored to strength in this way, specially if left in a cool place for a few hours after the treatment.

Summer garden flowers are best picked after sundown and arranged the next morning. Cut the stems long and crush 2" or 3" at the ends with a hammer and plunge them in deep cold water over night. The next morn-

(Continued on page 82)



W O R L D S U P R E M A C Y

# PACKARD

*India* In the British provinces and native states of India, where magnificent pomp and splendor mark all ceremonious occasions, the luxury and distinction of Packard transportation are widely appreciated. The list of native Princes, Maharajas and Nawabs who own one or more Packard cars, reads like a roster of East Indian nobility

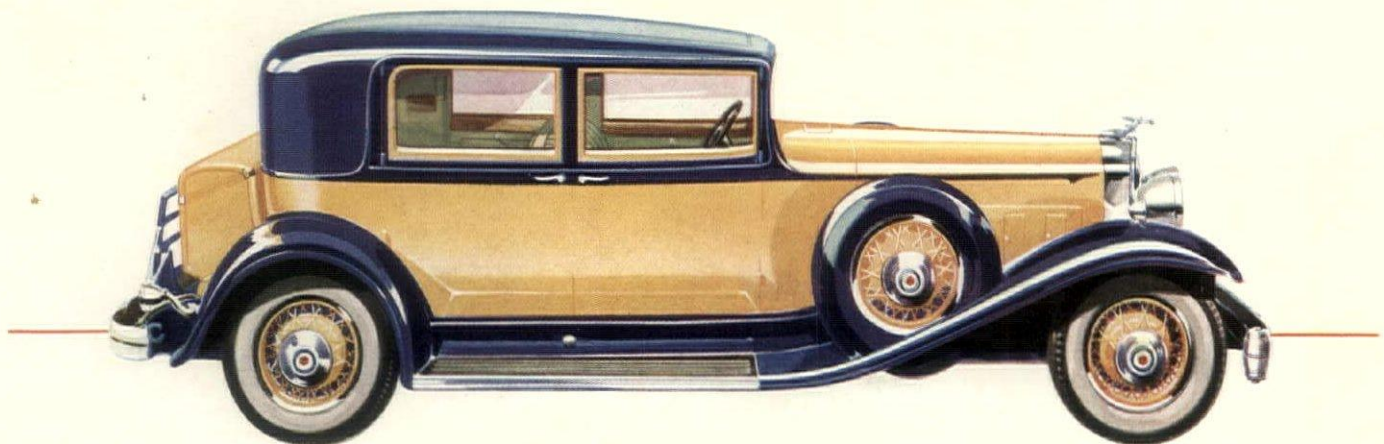


The Packard Standard Eight and the Packard Eight DeLuxe have long dominated the fine car market. Now, with the addition of the new Packard Light Eight and the luxurious new Twin Six to the distinguished Packard line, Packard not only broadens but *covers completely* the quality motor car field in which it has held unquestioned leadership for more than a generation. ¶ The new Light Eight, Packard in design,

Packard in quality and therefore Packard in name, brings the luxury and distinction of Packard transportation to new thousands. The five-passenger Sedan is factory priced at \$1750. ¶ The new Standard Eight and Eight DeLuxe continue what have been the most popular and widely acclaimed series of Packard cars in history. They have now been made available with Silent Synchro-mesh Transmission, quiet in all three speeds, and the new Finger Con-

trol Free-Wheeling as optional equipment. The five-passenger Sedan factory prices are \$2250 and \$3245, respectively. ¶ The new Twin Six, embodying sixteen years of continuous experience with twelve-cylinder designs, now offers the supreme performance-luxury of 150 horsepower—economically developed. The five-passenger Sedan is but \$3745 at the factory. ¶ Before you buy *any* car this spring be sure to see and drive a Packard.

A S K T H E M A N W H O O W N S O N E



BLANKETS ARE SUCH INTIMATE THINGS

*SOVELY to look at, soft and furry to feel, warm and feather-light for sleeping comfort... luxurious are Esmond Blankets, yet within the reach of any income. ¶ In no other blankets can you find so perfect a combination of "warmth without*



*weight"—the indispensable characteristic you must have to enjoy relaxing, refreshing sleep... because in no other blankets will you find Esmond's exclusive "Pelage\* Process" of double spinning, double weaving, and double napping that makes Esmond Blankets hold in more of the natural bodily warmth.*

¶ See Esmond Pelage Blankets at all good stores.

CLARENCE WHITMAN & SONS, Inc., 21 East 26th St., New York

*\*Nature has a most effective way of keeping furry animals warm. Under their long outer hair is a downy coat of short fur—the pelage. Esmond has adapted the Pelage Principle to blanket making, bringing you its extra warmth—its fine, furry feel.*

# ESMOND

PELAGE

# BLANKETS

ESMOND BLANKETS AND STEVENS SPREADS ARE PRODUCTS OF CLARENCE WHITMAN & SONS, INC.





if the Social Season has left you fagged

double  
your defense  
against **COLDS**  
with the new  
**VICKS PLAN** for better  
**Control-of-Colds**

**1** VICKS  
Nose & Throat  
DROPS

**2** VICKS  
VAPO RUB

As the whirl of winter activities nears its end, remember—a tired, worn-out system is an open invitation to colds. But now you can double your defense—you can escape many colds, you can lessen their severity and costs. The new Vicks Plan for better Control-of-Colds makes it easy. And so pleasant that fastidious women everywhere are gladly adopting it.

This plan is made possible by the recent discovery of Vicks Nose & Throat Drops—a product based on a new idea for *preventing* colds. A companion product to Vicks VapoRub—the modern method of *treating* colds. Together, they form the Vicks Plan for better Control-of-Colds. Here, briefly, is how the plan works:

**1** *Before a cold starts*

At that first snuffle or stuffy, sneezy irritation of the nasal passages—Nature’s warning that you’re “catching cold”—use Vicks Nose Drops at once, as directed. Repeat every hour or so if needed. This will prevent many colds by stopping them before they get beyond the nose and throat—where most colds start.

**2** *After a cold starts*

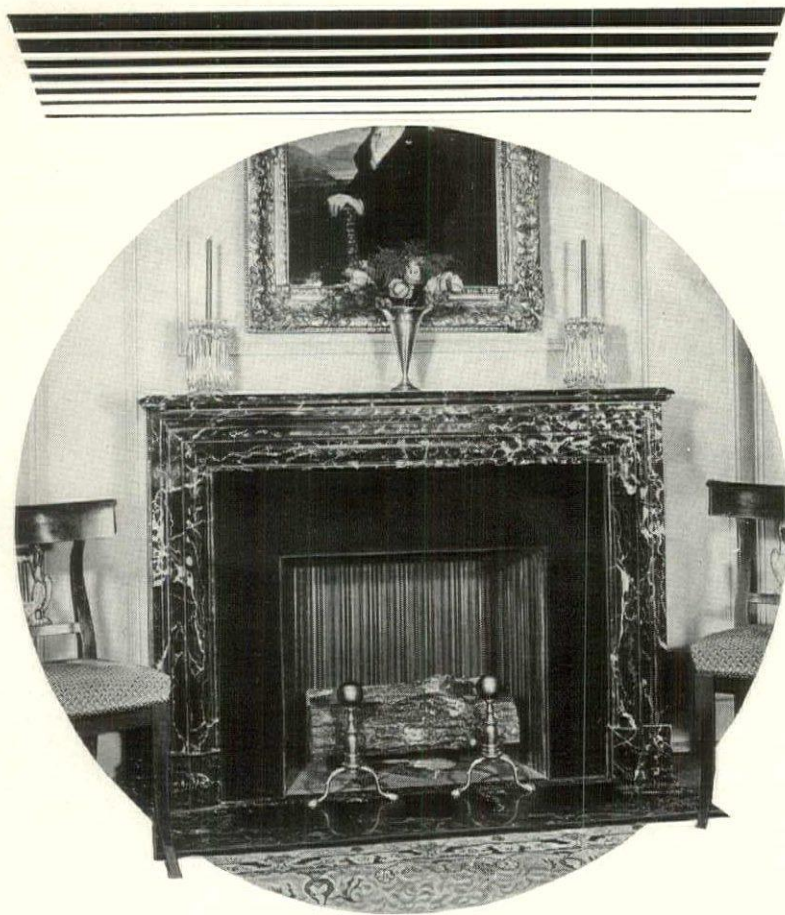
At night, massage the throat and chest well with Vicks VapoRub (now available in white *stainless* form, if you prefer). VapoRub acts like a pou-

tice or plaster and at the same time gives off medicated vapors which are inhaled all night long.

During the day—any time, any place—use Vicks Nose Drops as needed for greater ease and comfort. (If there is a cough, you will like the new Vicks Cough Drops—actually medicated with ingredients of Vicks VapoRub.) This gives you full 24-hour treatment.

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(In circle above) A beautifully simple and dignified Mantel in a style greatly favored by Sir Christopher Wren. Black and Gold Marble with Belgian Black Marble Facing \$400. (At Sides) Colonial-Type, Antique Brass and Wrought Iron Andirons from the Jackson Foundries . . . \$35.



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(Supervision W. Jay Saylor)

**Arranging cut flowers as they do in Japan**

(CONTINUED FROM PAGE 80)

ing cut off crushed ends. Crushing has permitted them to soak up quantities of water which they then hold. For this recipe I am indebted to a Japanese lady experienced in this art.

- Following are some helpful rules:
1. Use only fresh flowers and branches. Allow them to soak at least one-half hour in cold water.
  2. Have the finished form in mind before beginning. This is essential.
  3. Avoid squareness or symmetry. Use two, three or five kinds of flowers, never four. In Earth, use three or five blooms or more, never two or four.
  4. Bend branches into position before inserting in the holders.
  5. Do not start Heaven and Man perpendicular to the bowl. Never allow Heaven and Man to part at base. They must seem to grow on a single stalk for 4" to 6". Sometimes holders are weighted by rocks if branches force them off balance. But in many cases the curved end of a leaning branch of Heaven will return over its base in a way to balance the original angle and restore holder to equilibrium.
  6. Make Heaven and Man steady before starting Earth.
  7. To keep two branches which touch at their bases from rolling out

of place against each other, plane the two connecting surfaces so that they become flat and join firmly.

8. Never cross one branch in front of another.
9. Never cut two flowers exactly the same height.
10. Cut on a slant.
11. Clip away unnecessary material.
12. When handling bunches of flowers in Earth, as Asters, Primroses, etc., hold five or six at a time at the proper heights and clip the ends together at one cut.
13. Put the heaviest flower in Earth near Heaven rather than Man. Always make Man subordinate to Heaven.
14. Don't push flowers or branches down to bottom of holder. Place them lightly to soak up water at least one-half inch from surface of bowl.
15. To fill left-over spaces of holder use leaves of flowers nearest them in as naturalistic a way as possible.
16. Spray to keep flowers fresh while working. One-half inch of water in bowl is enough until arrangement is done. Then fill bowl to above holders.
17. Seek economy of means by using: as few flowers as possible; as few cuttings as possible; as few holders as possible; as few gestures as possible.

**Suggested combinations for each month**

	PLACE	BOWL	HEAVEN-MAN	EARTH	
WINTER	DECEMBER	Dinner table	Bronze or pale green glass	Pine	White Snapdragons, pink Roses, white and pink Sweet Peas, Freesia
		Christmas dinner table	White glass	Spruce	Three Poinsettias, Paper-white Narcissi
	JANUARY	Modern room	Dull steel or black glass	Branched Pussy-willow	Black Tulips and Euphorbia fulgens, or Watsonia
		Dinner table	Pale green or white glass	Yew	White Roses, double Chinese Lilies
FEBRUARY	English living room	Golden brown glass or bronze	Mimosa or Acacia		Red Tulips
		Valentine dinner table	White glass	Bending Pussy-willow, Spruce	Red Roses
MARCH	Dark panelled hall	Green pottery or bronze	Forsythia, suggesting wind		Yellow Callas, Jonquils, yellow Snaps and Iris, Freesia, African Daisies
		Porch or sun room	Blue pottery	Peach blossoms	Red Stock, Mignonette, Primrose, Lupin
SPRING	APRIL	Colonial living room	Pewter	Flowering Magnolia	Mauve Tulips, Forget-me-nots
		Dinner table	Chinese red pottery	White Lilies, Sprengeri	Double white Tulips, Chinese red Azalea, Box or Privet clippings
MAY		Luncheon	Blue pottery	Azalea	White Iris, Lilies-of-the-valley
		Luncheon	White glass	White Cherry Blossoms	Roses, small blue Daisies
		Oak background	Japanese wooden tray under pottery	Wisteria (treat), mossy rock	Green and yellow Orchids; or white Lilies and Lilies-of-the-valley
SUMMER	JUNE	Formal dinner	White glass	Rambler Roses	Larkspur and Stevia, or Sweet-william and Baby's-breath
		Hall	White or green pottery	Three Iris	Yellow Waterlilies
		Formal dinner	White glass	Bridal Wreath	White Iris, Narcissi, white Roses, white Freesia
JULY	Country house living room	Flat open basket	Rhododendron in bloom		Lilies, blue Cornflower
		Country house luncheon	Blue pottery	Japanese Snow-ball	Blue, white and yellow Iris, blue Daisies
AUGUST	Seaside house porch	Flat open basket	Sumac with Morning-glory		Hardhack, Asters, Sage
		Luncheon	White glass	Blue Hydrangea	Mixed Dahlias, white Phlox
AUTUMN	SEPTEMBER	Porch	Flat open basket	Tall white Chrysanthemums	Pink and yellow Chrysanthemums, all same variety
		English living room	Bronze bowl or basket	Eulalia (Miscanthus) with Privet	Fringed Gentian, one large red Dahlia, Japanese Windflower
	Oak background	Bronze	Maple		Small white Chrysanthemums, purple Asters
	Luncheon	Basket	Milkweed, Chinese Lantern		Heather, orange Poppies (treat), Heliotrope
	Luncheon	Golden brown glass	Bittersweet		Yellow-orange Chrysanthemums, blue Laceflower
	Dinner table	White glass	White Chrysanthemums, Stevia		Mixed or red Dahlias, white Carnations, Asparagus sprengeri

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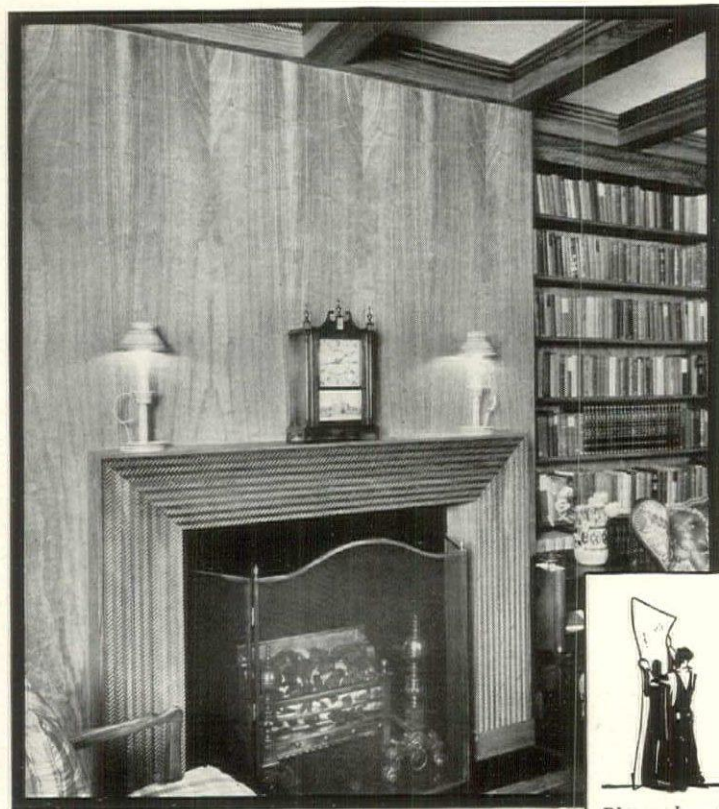


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## Care that insures the health of evergreens

(CONTINUED FROM PAGE 65)

the dry and frozen ground and the tree dies for lack of moisture. This cannot happen if the ground around the young evergreen has been well mulched late in the fall and given several thorough soakings with the hose, just before the first frosts, unless we happen to have a wet fall. Then, with a covering of the rotted manure mulch spread over the ground, the tree is ready for any January or March thaw; besides keeping the ground warm the juices of the manure are soaking into the ground during the winter and benefiting the tree greatly.

It is in the late winter or early spring that much of the winter damage to the foliage of young evergreens is done. It is the wind, not the cold, which dries up the moisture in the leaves and causes so-called winter killing. You must remember that evergreens at all times are like deciduous trees in full leaf. They do not drop their foliage and thus lack the protection which Nature has given to the Elms and Maples which lose their leaves and have no troubles from wind and warm unreasonable sunshine.

Tender evergreens, especially during the first few seasons after they are planted in severe exposures, should have a barrier built between them and the winds of winter. This barrier should be light, and should not touch the tree itself. One of the most effective ways of building it is to put up a framework on the windward side of the tree and tack burlap over it. Be sure it is strong enough and well braced. Leave plenty of room for air and sunlight. Sometimes these barriers are made out of Pine branches or Corn stalks, tacked against the framework.

When the frost is definitely out of the ground, remove the barrier. Remove, also, the blanket of mulch, and start cultivating under the trees—most of the rich juices have been washed out of the manure by this time and soaked into the ground.

### EARLY GROWTH

With proper protection during the winter, your evergreens will start shooting out their new growth, soft and delicately green against the darker, grayer foliage which has served the tree for a year. When this new growth is well started, it is time to shear the tree, if you want your evergreens to keep their original, nursery-bred symmetry and beauty.

It is this new growth which should be sheared, and it is necessary only to take about two-thirds of the new tips off with the hedge shears. An easy way to keep the tree in its formal shape is to flick the scissors up the sides of the tree, snipping off only the tips of the new growth; if this is done early enough, the tree outgrows the shearing in a few weeks. This will keep the tree in solid compact form.

Shearing will do much to keep that fine symmetrical appearance which is so necessary to foundation planting, coming as it does directly against the side of the house, where the color of the house throws into relief the shape of the evergreen.

But do not think that by shearing you can keep a fast growing evergreen within the bounds of your orig-

inal planting plans. Many a house owner has watched with dismay how what he thought was the right sized planting kept growing year after year, until he had full sized trees crowded up against the side of the house unable to grow symmetrically because they were entirely too large for their particular location.

Just because an evergreen looks the right size in a nursery is no reason why it will stay that size—unless it is one of the dwarf varieties, the only type of evergreen which is really safe for foundation planting. With shearing, the dwarf varieties will keep their original shape and size for many years.

There are any number of small evergreens which can be planted along the house: the Savin Juniper, for instance, or the Mugho Pine, the Montana Pine, the Pfitzeriana Juniper, Taxus, the Dwarf Arborvitae, the Dwarf Spruce, the Swiss Stone Pine. Any of these, with proper shearing, will stay fairly well dwarfed and will maintain the contours designed by a landscape architect.

### TYPES FOR SHEARING

There are some very lovely trees, not in the actual dwarf class, which respond well to shearing and can be kept reasonably well within their original planting shape. Among them are the Red and Blue Cedars, the Hemlocks, the Arborvitae, all of the Retinosporas and the Junipers. These make excellent formal trees, which can be kept clipped into shape and will have a rich, full branch development.

But do not try to improve upon Nature with your shears. Do not try to give your trees false beards and other disguises to hide behind. Do not try to make an Austrian Pine look like a Cedar or an Arborvitae look like a White Pine. Any good nursery catalog will show you their true shape. Make up your mind about the type of tree you want in a particular spot before you decide to buy that tree rather than afterward.

And if you find some of the larger varieties have crept into your list of foundation trees, plant them out on the lawn somewhere as specimen trees, for along the wall they will soon be like young cuckoos trying to crowd the other birds out of the nest. No amount of shearing will cramp their destiny as large trees, so the sooner they are replaced by less enthusiastic growers the better your foundation or mass planting will look. The Douglas Fir, Concolor Fir, the Nikko Fir, all of the Spruces, the Austrian Pine, the Scotch Pine, the White Pine and the Red Pine are in this class.

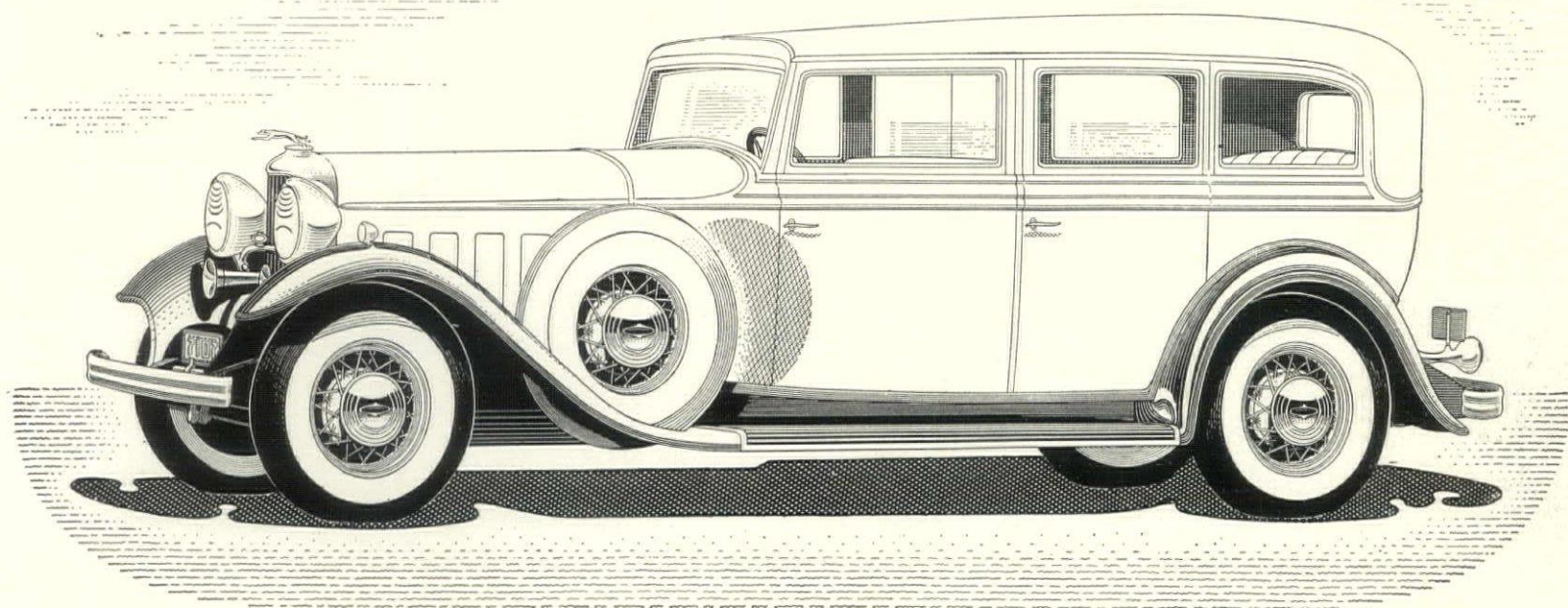
They will have a lop-sided growth along a wall, with sparse, dead branches next to the wall rather than symmetrical ones, and will tower over the house if let go. Eventually they will have to be transplanted, and it is well to do it before they are ruined by this asymmetrical development.

Most evergreens never recover lost branches. The Concolor Fir or Japanese Umbrella Pine will make a try and even these take years. Others, of course, will be improved as time goes on after they are given a chance in

(Continued on page 86)

# T H E L I N C O L N

## 12



THE LINCOLN V-12—WILLOUGHBY LIMOUSINE

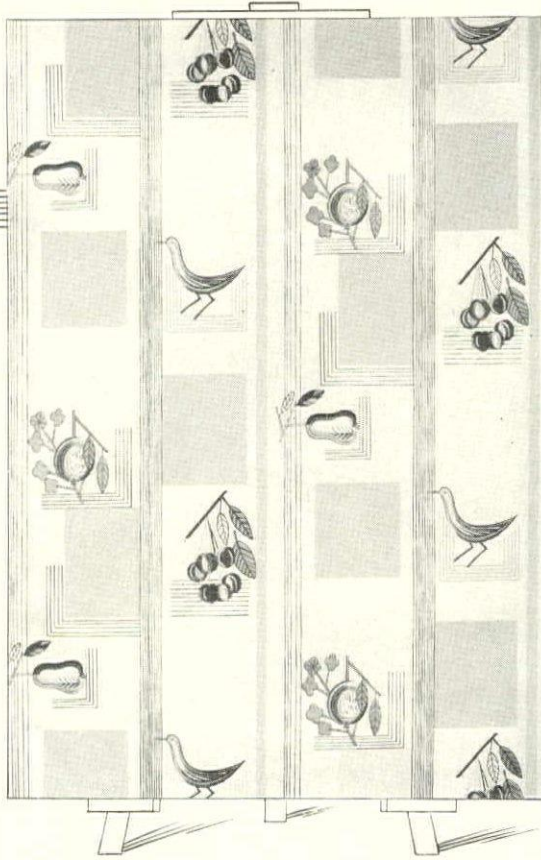
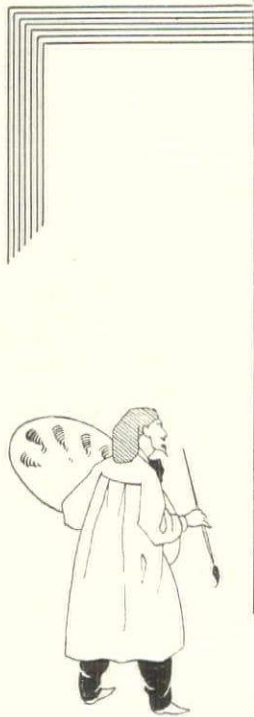
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Engine of 12 cylinders cast in two blocks and set at a V angle of 65 degrees to give out-of-step firing and insure smooth operation. Three-point suspension mounted on rubber. Brake horse-power, 150. Bore and stroke— $3\frac{1}{4} \times 4\frac{1}{2}$ . Dual down-draft carburetor with special intake silencer and air cleaner. Exhaust pipe carried forward of and below engine to keep heat from front compartment.

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with vacuum booster to augment foot pedal pressure. Thermostatically controlled radiator shutters and hood ventilators. Springs semi-elliptic—rear, 62 inches; front, 42. Steel-spoke, one-piece demountable wheels, diameter, 18 inches, with  $7\frac{1}{2}$ -inch tires. Twenty-five custom-built and standard bodies equipped with safety glass throughout are offered on the Lincoln V-12 chassis.

Salubra Pattern No. 31633 in green, yellow, orange and gray on cream background—by Mathilde Flögl of the Wiener Werkstaette.



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H-G

## Care that insures the health of evergreens

(CONTINUED FROM PAGE 84)

the open, but they will never quite regain their original contours.

"What can we do," the owner asks, "when we find that giants have crept in as children where only dwarfs should be?"

There is only one answer to this query—transplant them.

At this the average owner holds up his hands in despair. For transplanting seems a hopelessly complicated task, especially with evergreens. It is not difficult, however, if one salient factor is kept in mind, that evergreens are always in full leaf and that the roots must be dug with an unbroken ball of soil because of this.

In transplanting care must be taken to get a good ball of earth with the trees, as many as possible of the fine roots. It is important that the roots within this ball should not be disturbed or loosened. After the tree is dug (that is, if it is a small tree up to 8' or 10') first wrap burlap around the ball and bind it tightly with strong cord in order to hold it securely. For trees over 10' in height it is well to secure the ball with the aid of a wooden platform underneath which will help to hold it firmly and make it much easier to move.

### ROOT PROTECTION

Bear in mind that the roots of evergreen trees should never be exposed to the sunlight. Too much stress cannot be placed on the necessity of the ball of soil remaining intact. Of course, the evergreen is moved with a full load of foliage and must at all times be able to draw sufficient moisture from the root ball to keep its top moist, until such a time as the roots have taken a fresh hold in their new home. The difference between moving an evergreen and a deciduous tree is that the deciduous tree is usually moved dormant, which of course minimizes the shock to its system.

If the roots of the evergreens are exposed to the direct rays of the sun, the sun draws the sap to a place just under or often through the surface where it solidifies. Once this sap hardens it is not soluble again in water because the root ducts become permanently stopped up with this resinous or solidified sap. Therefore, no matter how much water the once dried roots have or the evergreen receives it cannot absorb it.

It is important, too, that the tree should be transplanted at the same depth at which it had previously been growing. After transplanting it should be held in place by guy wires—that is, if the tree is over 6' or 8' high and in an exposed location—until the anchor roots have a chance to grow. These guy wires are for the purpose of holding the tree in place. About 12 gauge wire is the right size; it is fastened around the tree just above the centered point, on the stem. This wire must be well padded where it wraps around the tree, so that it won't cut into the bark. An old piece of hose or inner tube is fine for this. The wire is then made fast to a stake driven well into the ground. Three or four of these wires will be necessary around the tree. If the tree is 20' tall, it will be necessary to use double

strands of wire and bigger stakes.

All transplanted trees and shrubs or even well established weak ones should be given plant food from time to time, which should be spaded well into the ground so that the roots and not the grass will get the benefit of it, at least once a year. This should be either a good grade of tree food, or a good application of well rotted stable manure, or in the form of a compost made from decomposed leaves mixed with soil and fertilizer.

If after a few years, during which you have given them the proper care, your evergreens still look thin and yellow, if they have been in well drained sandy loam and have received plenty of sunshine, have been sent into the winter with a soaking either natural or with the hose and a mulch, have been sheared each spring, have had their barriers to protect them if necessary from the burning March winds; are not too crowded and are the right size for their location—if despite all these cares they are unthrifty, then one of two things has happened. They may have succumbed to one of the rare diseases which attack evergreens; or they may be out of their natural latitude or climate.

When you read a nursery catalog and pick out a tree which seems to fit exactly into your requirements, find out if your location is not either too far north or too far south before you plant that tree. The good nursery catalog will tell you this. Many trees are pushed beyond their natural latitude and as a result are yellow and straggly and eventually die. The *Cedrus deodora* (Cedar Deodar), for instance, never seems successful north of Virginia, although attempts have been made to bring it as far north as New Jersey. Yet the *Cedrus atlantica glauca* (Atlas Cedar), recognized for its more northerly adaptations, is hardy as far north as the southern part of New York and New Jersey.

### NORTHERN SPECIES

Trees brought down from the north, such as the Balsam Fir, do well no farther south than southern New Hampshire and Vermont. They are unhappy below the latitude of central New York and usually have a forlorn, stunted appearance.

If you have found out from your nurseryman that your trees are in the right latitude, then perhaps they have been attacked by some insect pest. In this day of experts, it is well to write to your State Department of Agriculture at the State Capital to find out just what pest is undermining the health of your trees, and what should be done to control it. The Boyce Thompson Institute for Plant Research at Yonkers, New York, will also be glad to furnish you with such information, and so will your nurseryman or tree surgeon. This information is always free.

In general, for nearly all of the pests which afflict evergreens, the nicotine sprays are safest and most effective. They should be applied in the spring when the insects and diseases start their destructive work. In New Jersey and the region around southern

(Continued on page 88)



*"Borne in the drift of blossoms  
Whose petals throng the wind."*  
—HOUSMAN

## YARDLEY'S *Orchis*



THE falling petals drift across the garden, and all their blended odours fill the air. But winter pursues the loveliest blossoms, and summer's fragrance is ephemeral, unless by some magic you can hold it past its season. . . . There is a perfume made to recreate the fleeting charm of summer, a mingling of every flower that the garden knew. Orchis is the wind across the roses and the jasmine. Orchis is a talisman to give you summer forever. It is a delicate perfume with much of allure and something of adventure; a romantic perfume, which will always say a little less than it means; a

perfume for a delightful figure but lately returned to fashion . . . a perfume for a lady. Orchis may be had from seven dollars and a half to one dollar. Yardley & Co., Ltd., 452 Fifth Avenue, New York; in London, at 33, Old Bond Street; also Toronto and Paris.

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## Care that insures the health of evergreens

(CONTINUED FROM PAGE 86)

New York, the middle of April is usually about the right time. In the latitude of Washington, it should be done ten days to two weeks earlier, while in Buffalo, Chicago and the communities in the same latitude, the latter part of April or the first of May is most effective. Send for your State spray calendar; it will give you this information.

For most of the nicotine sprays the proportion of eight ounces of nicotine to fifty gallons of water is most effective; or for the ordinary three-gallon hand sprayer, one-half ounce.

Avoid the use of oil sprays, except under the direction of an expert, for oil sprays can burn the leaves of the evergreens. And don't spray evergreens just as a matter of routine, for they do not need it unless there is some definite sign of an insect pest, such as the woolly aphid which attacks the Douglas Fir (this looks very much like tiny pieces of wool and sucks the juices from the leaves), or red spider on the Cedar which is almost impossible to see on the trees without the use of a magnifying glass. These little sucking insects do a great deal of damage to Cedar and other conifers, causing a yellowing and dropping of the leaves usually during mid-summer, although spring spraying will usually control them.

Another pest is the Spruce gall aphid, which causes cone-like swellings near the tips of the branches. Another way to combat this, if one has only a few trees, is to pick off these growths during the summer before they crack open. The Pine leaf scale may appear, too, a very small elongated scale which must be controlled in the spring when the individuals first hatch and their bodies are soft.

Another possibility is the Cedar Apple, which should be picked off when dry. This is a little brown fruit from one-half to one inch in diameter.

Its host plant is the Apple tree. The blister rust on the White Pine, on the other hand, has the Currant plant as a host, but this disease is very rarely found; it causes swelling of the stem or trunk accompanied by a discharge of sap.

The shoot moth or Pine weevil which attacks the leader of the White Pine is difficult to control, but the leaf miner on the Arborvitae, which causes a browning and dropping of the foliage just back of the tips, can be controlled by spraying with nicotine spray about the middle of June in New York. This insect is now attacking Arborvitae from the Carolinas north into Canada. As the little grub is inside of the leaf, it cannot be controlled until it hatches and comes out as a fly. There are several very good mixed evergreen sprays on the market.

If the leader on a White Pine has been destroyed by the Pine borer, cut it back six inches or so into the live wood so as to get ahead of the borer, and then train another shoot for the leader by the use of a three-foot rod fastened upright on the old leader and along which is bent and tied a lateral branch. Sometimes the lateral branch assumes this leadership itself, but it is well to give a little encouragement.

Except where disease has actually set in, simple things will fill the needs of evergreens: sunlight and room to stretch their branches; a yearly haircut if necessary; good drainage and a little cultivation; food once a year (which should always be spaded into the ground so that the roots will get the benefit of it); plenty of water and a good mulch to go into the winter with; a windbreak if necessary for the more tender ones. These are not much to ask of the owner who has taken the young tree away from the hands of the expert where it has been reared as tenderly as a cherished child.

## Delphiniums that cap the garden's climax

(CONTINUED FROM PAGE 49)

his nursery. These were selected and crossed with some Kelway Delphiniums, resulting in a few improved whites. These were in turn repeatedly and carefully selected and isolated and in 1922 they were marketed as white Delphiniums. My own experience with Mr. Toole's seeds have borne out his statement that they come well over 90% true white.

However, the fixing of a white Delphinium is not presented as proof of the feasibility of fixing more complex factors. The strangest fact to relate about Delphiniums is that the one color for which they are famed is the one color they are not, namely, blue. Colors toward the red end of the spectrum—purple, lavender or violet—more or less suffuse the blues in all known European and American Delphiniums. Even the charming sky blue Belladonna is afflicted. If in doubt as to one's color judgment in the matter, a glance at the violet blush on the reverse side of the petals clears up all doubt one may have.

By crossing and selection, the green tint that is found on the petals of some Delphiniums will gradually replace the pink suffusion with a green suffusion,

making for a pure vivid green blue of the shade listed in artists' colors as cerulean blue. This color has the great advantage of holding its blueness in artificial light, whereas blues with the slightest tendency towards violet—like cobalt and ultramarine blue—appear dull and leaden under such conditions. For this reason the pure rosy lavender Delphiniums are more popular with florists than others in the so-called blue colors.

The colors of the most characteristic Wrexhams ran in muddy acid violet tones, but importance lay in growth and form and not color, and this form has been valuable breeding material. The best original Wrexham types have broad tapering spikes that are as much as eight or ten inches wide at the base. Watkins Samuels seems to have lost interest in the very broad base spikes, for in seedlings from his newer varieties this extreme seems to be definitely attenuated. All choice Delphiniums have a way of producing ugly ducklings among their children, and these Wrexhams have brought along with their superlative qualities a mass of heavy, thick, club-

(Continued on page 96)



THE NEW

# PIERCE-ARROW

## TWELVES



*Model 53 Club Sedan . . . \$3650 at Buffalo (Special Equipment Extra)*



## Another Page in Fine Car History

**I**N the first few moments of demonstration, any model of the New Twelve line registers as a brilliant example of engineering discovery and creation.

No other fine cars are like or even comparable . . . none has so completely harnessed and controlled the amazing power of twelve cylinders . . . or made this power so obedient to every wish and whim of silent, luxurious motoring.

The New Twelves are endowed, as well, with the enviable social preferment that is ever Pierce-Arrow's own.

In brief, Pierce-Arrow gives timely and characteristic expression to the twelve-cylinder type of fine car . . . offers economic warrant for its present purchase . . . and again supremely justifies the faith of two generations of well-bred Americans.

THE NEW TWELVES ARE IN TWO GROUPS:  
142" to 147" wheelbase . . . 150 horsepower . . . \$3995 to \$4500  
137" to 142" wheelbase . . . 140 horsepower . . . \$3295 to \$4050

THE NEW EIGHTS ARE PRICED FROM  
137" to 142" wheelbase . . . 125 horsepower **\$2495**

*All prices f.o.b. Buffalo*

**T**HE lower picture, first published by Pierce-Arrow in 1908, portrays a car which sold for \$7100—the very finest automobile of that day . . . The illustration above shows one of today's new Pierce-Arrow Twelves—the greatest fine car value of the present searching and sophisticated hour.

THE NEW TWELVES are priced, at Buffalo, from

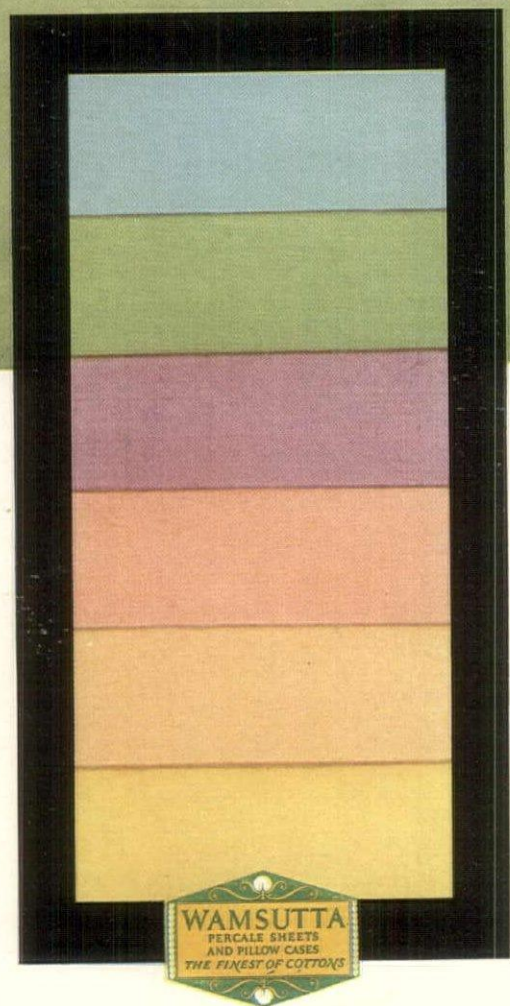
# \$3295

# HERE IS NEW BEAUTY FOR YOUR BEDS



FURNITURE BY ROBERT W. IRWIN CO.—COOPER-WILLIAMS, INC.

SOURCES PHOTO—CONDÉ NAST PROCESS



## SHEETS . . . PILLOW CASES . . . AND BLANKETS IN HARMONIZING COLORS

Perhaps you have always thought of Wamsutta as just the most deliciously smooth and luxurious sheets and pillow cases, with their lighter weight and longer wear as added recommendations from the point of view of thrift.

Now think of them as part of the color scheme of your bedroom and see how beautifully you can combine them with the loveliest of blankets. All the newest pastel tints of Wamsutta Sheets and North Star Blankets have been chosen by the same stylist to harmonize in both matching and contrasting color combinations.

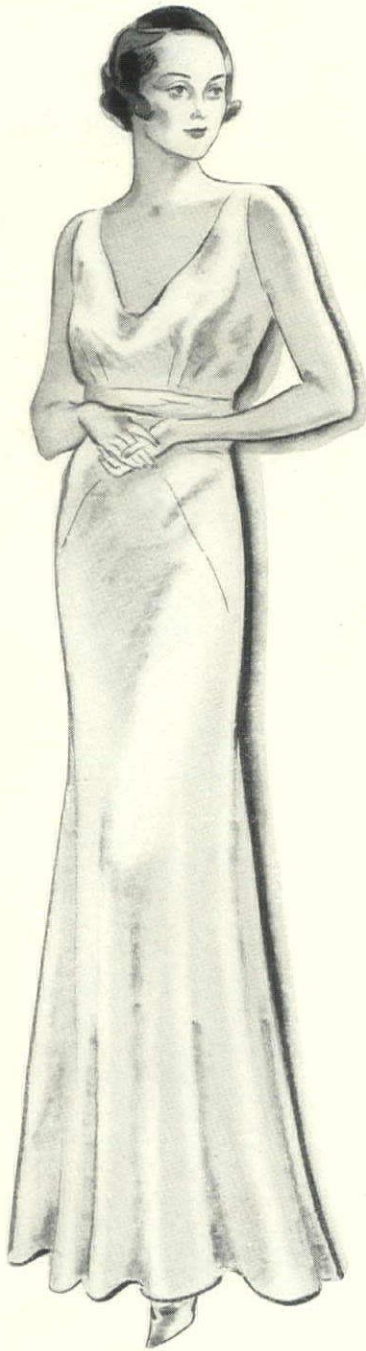
You will usually find Wamsutta Sheets and North Star Blankets in the same departments, and an even wider range of shades than those shown on this page.

(Wamsutta Sheets, by the way, are selling at the lowest prices in fourteen years . . . in all styles of colored hems and solid colors as well as in plain white.)

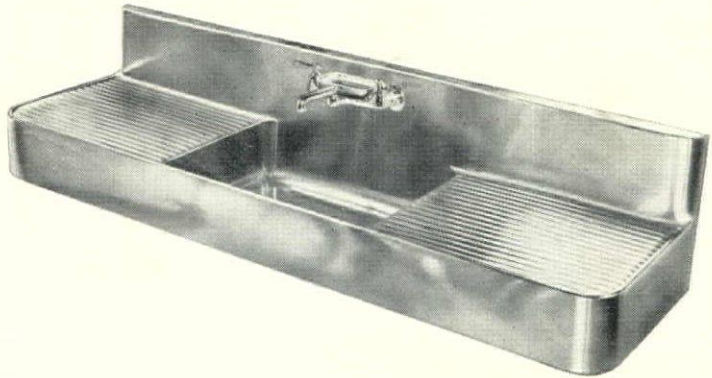
# WAMSUTTA

PERCALE SHEETS  
AND PILLOW CASES

WAMSUTTA MILLS, NEW BEDFORD, MASS. • NEW YORK SALES OFFICE, 180 MADISON AV.



To a lady who never  
thought a sink could be beautiful



● No one can really blame you for thinking that a kitchen sink cannot...and need not...be beautiful. But when you see this one of silvery Monel Metal, all your former ideas of sink attractiveness will instantly undergo a quick and startling change.

For, here at last is a kitchen sink in which beauty makes a happy alliance with usefulness...an improved sink that will be at home in the finest kitchen...a sink of platinum-like Monel Metal with a mellow-rich and lustrous beauty that is ageless.

The practicability of these sinks hasn't been overlooked. They have 31% more work surface...are sound-deadened to subdue noise...their resilient surfaces help prevent injury to glass and china.

Perhaps you haven't heard the good news. Prices on Monel Metal Sinks have been reduced. Now, more than ever, you will find they offer 1932 values for 1932 budgets.

Your plumber will be glad to give you the new prices. In the meantime let us send you literature...mail the coupon. The International Nickel Company, Inc., 73 Wall Street, New York, N. Y.



The International Nickel Company, Inc.  
73 Wall Street, New York, N. Y.

You may send me free booklets checked below:

- A New Sink for the Kitchen Beautiful
- Nickel's Worth—a booklet on Nickel by Floyd Gibbons.

Name \_\_\_\_\_

Address \_\_\_\_\_

Plumber's name \_\_\_\_\_

*Monel Metal*

## Meet the eleven tribes of Daffodil

(CONTINUED FROM PAGE 57)

English people could not grow the cluster-flowered kinds of the warmer and the Latin-speaking countries, and were not especially interested in them. But they loved the kinds with the long crowns or trumpets and gave to them the sweet, intimate names of Primrose Peerless and Affodylle (properly the Greek Asphodel). And later they called them Daffodils, and daffies and Daffadown-dillies. I confess the English name, Daffodil, comes easier to me than the Latin name Narcissus.

But the Jonquil is quite a different looking flower. Of course it is of the same big Narcissus family, but it has three easily distinguished characteristics. First, it has rounded rush-like leaves; second, the flower is of a deep, rich, buttery, golden-yellow color of heavy substance; and third, it has a very heavy, penetrating scent. Some Jonquils are single, some very double, and some grow many flowers on a stem. But these three characteristics are always present. Also, the pollen of the Jonquil is so potent that the type always leaves its distinct impress of quality and color on any variety with which it is crossed.

In the first four groups or classes given by the Royal Horticultural Society of London the yard-stick of measurement is the ratio of the length of the cup or crown to the petals or segments of the perianth, which is the whorl of six petals from which the crown protrudes. "Equal" and "one-third" are the only numbers you have to remember. If you have not a copy of Mr. John Wisters' book, *Bulbs for American Gardens*, or the Hugh Calvert book, *Daffodil Growing for Pleasure and Profit*, or Rev. Jacobs' lovely volume, *Daffodils*, you will wish to learn the names and characteristics of these eleven classes before you attend one of the Daffodil shows next spring:

**DIVISION 1.** Trumpet Daffodils; trumpet or crown as long or longer than perianth petal.

(a) Yellow or lemon colored trumpets and perianth same shade or lighter but not white.

(b) Varieties with white trumpet and white perianth.

(c) Bi-color varieties, having white or whitish perianth and a crown color yellow, lemon, primrose, etc. (now we have a few pinkish toned crowns).

**DIVISION 2.** Incomparabilis (most commercial men call them "Incomps"). Distinguishing characteristic: cup not less than one-third but less than equal to length of perianth.

(a) Yellow shades with or without red coloring in the cup.

(b) Bi-colors, with white perianths and self-yellow, red stained or red cups.

**DIVISION 3.** Barrii (after Peter Barr); cup or crown less than one-

third the length of perianth segment.

(a) Yellow shades with or without red in the cup.

(b) Bi-color with white perianth, cup self-yellow, red stained or red.

**DIVISION 4.** Leedsii (after Edward Leeds); distinguishing characteristics, white perianth, and cup white, cream or pale citron, pink or apricot.

(a) Cup not less than one-third but less than equal to the length of perianth segment.

(b) Cup less than one-third the length of perianth segment.

**DIVISION 5.** Triandrus Hybrids; all varieties obviously containing *Narcissus triandrus* blood, such as Queen of Spain, Agnes Harvey, etc.

(a) Cup not less than one-third the perianth segment length.

(b) Cup less than one-third the length of perianth segment.

**DIVISION 6.** Cyclamineus Hybrids.

**DIVISION 7.** Jonquilla Hybrids; all varieties of Jonquilla parentage, such as Golden Sceptre, Buttercup, etc.

**DIVISION 8.** Tazetta and Tazetta Hybrids, including Polyanthus and Poetaz varieties.

**DIVISION 9.** Poeticus varieties such as Ornatus, Thelma, Ace of Diamonds, Dactyl, etc.

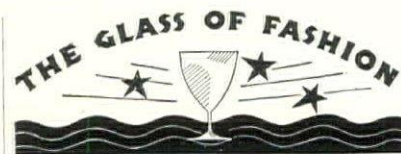
**DIVISION 10.** Double varieties such as Van Zion, Glory of Holland, Mary Copeland.

**DIVISION 11.** Various, including *bulbocodium*, *cyclamineus*, *triandrus*, *juncifolius*, *gracilis*, *jonquilla*, *serotinus* (blooms in October)—all miniature varieties; *Narcissus tazetta* (species), *viridiflorus*, etc.

Comparatively few of the last six classes are now in this country; in fact, we have probably not more than six hundred varieties as yet, while there are nearly five thousand varieties grown in England and on the Continent. But we have men and women who are collecting, propagating and hybridizing this wonderful flower and we will soon have the finest varieties in the world and then develop them and bring the Daffodil into its own in America.

This work, fortunately, is well under way. For the hardy types the climate and soil in parts of Oregon have proved eminently satisfactory and hundreds of acres are now intensively producing crops of bulbs.

Here, as last, seems to be the answer to the vexing Federal quarantine which for years has virtually excluded additional Narcissus bulbs of quality from American gardens. One of the best growers in the world—a man with long European experience prior to his taking up the work in this country—has stated his conviction that Oregon can produce better results with Narcissus than has been possible abroad. Let it be devoutly hoped that he is right!



### CHEERIO

This cheerful Fostoria set will win a welcome in any home. It consists of a plump and benevolent decanter surrounded by its offspring... 6 little glasses which resemble their parent. In azure, green, rose, amber, topaz, and wistaria. Its use among congenial people adds so much to pleasant living.



### APPETITES AND COLOR

A buffet, to be successful, must be more than a collection of various foods. It must also be a delight to the eye. That explains the tremendous vogue of this large Fostoria buffet dish among women who are clever at entertaining. This graceful "Torte" plate comes in amber, crystal, green, rose, topaz and wistaria. Through its charming presence on a table, the simplest buffet can be made a delight to the eye... and so many times more appetizing.



### HOW WILL YOU HAVE YOURS?

Cream? Sugar? ... if it's after-dinner coffee. Cream? Sugar? Lemon? ... if it's afternoon tea. For this colorful and graceful Fostoria set is equally useful for either function. With coffee, the sugar bowl and cream-pitcher may be used on the tray. With tea, the tray becomes a charming dish for sliced lemon. In five subtle shades, this set is a lovely and inexpensive gift to give a friend... or yourself.



### BULL IN CHINA SHOP

This picture shows Henry W. Banks III, the noted research engineer. For a whole month he played bull-in-china-shop and smashed hundreds of dishes, cups and saucers. As a result of his tests, he announces that, "Fostoria Glass Dinnerware, in spite of its apparent delicacy, is actually far less breakable than ordinary china." And that's worth knowing.

To get the smartest and latest information on table settings, both formal and informal, write for the interesting booklet, "The Glass of Fashion" ... Fostoria Glass Company, Dept. HG3, Moundsville, W. Va.



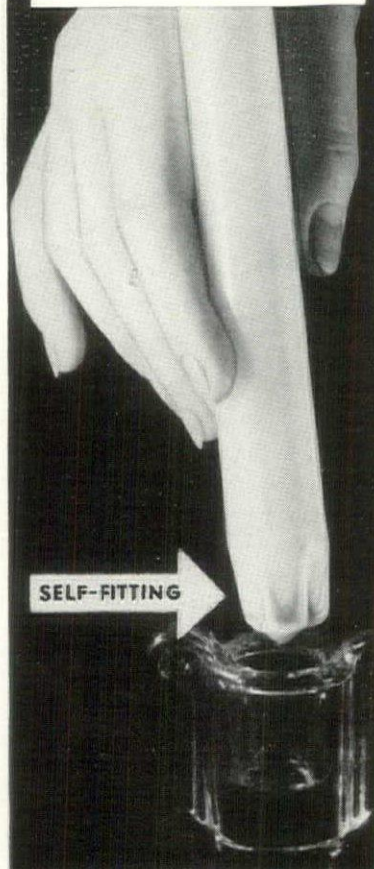
## Self-fitting!

A slight press anchors this candle to the holder

Notice the small flutings on the tapered base of this new Vassar Waxel. These flutings mold themselves to the exact contour of the holder-socket — keep the Vassar straight and steady.

Coupled with its great convenience, the new Vassar is trim in line—as candles for your table must be. And like all Waxels, it is distinguished for its soft, satin-like finish—the complete range of favored colors and sizes—its smokeless, dripless, odorless burning.

Ask for Waxels by name at your favorite department store, grocer's or gift shop. Waxels are available in three correct styles—the new Vassar, the cylindrical Mayfair and the slim tapered Princess. Or write the Will & Baumer Candle Company, Syracuse, New York.



SELF-FITTING

WILL AND BAUMER  
**waxels**  
—THE SMARTER CANDLE  
... They Beautify



*“That girl was a star at everything!”*



*Simply aim, press the lever . . . and you're making a movie*

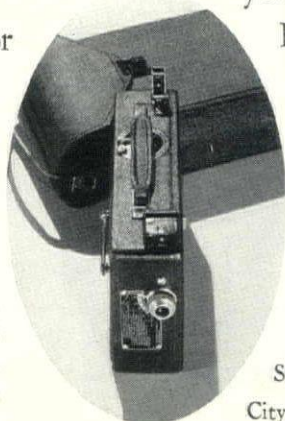
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*—keep a living record of your  
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**S**HE was the one star that kept on shining all the way across. A winner at sports. A wonder at dancing. Vital, dynamic, unforgettable . . .

Interesting people . . . gathered together for one brief interval of adventure. Brief . . . except to you. Your Ciné-Kodak record of your good times on board and abroad will thrill and amuse you for years.

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# THE GARDEN MART

## BOOKS and PERIODICALS

**THE GARDENERS' CHRONICLE** is the magazine for those who take their gardening seriously. Its advice is practical, the kind you can apply to your garden problems. It keeps you in touch with the newest in gardening fashions. In the current issue, Anderson McCully has written a splendid article on the selection of Cactus for your garden, and gives valuable hints on the habits and culture of this fantastic favorite. Subscribe now for thirteen months at \$2.00, or send 25c for a sample copy. *Gardeners' Chronicle*, 522-G Fifth Avenue, New York City.

**THE GARDENER'S FRIEND & OTHER PESTS** by George S. Chappell & Ridgely Hunt, R. S. Lemmon. House & Garden calls it the best gardening book he's ever read. Illustrated. \$2.50. Stokes Co. 443-4th Ave., N. Y.

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**REGAL LILIES:** Over 6 inches, circumference. 5 for \$1.00. Thor Nicodemus, Colfax, Iowa.

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**SPECIAL DAHLIA COLLECTION:** 12 fine exhibition Dahlias including Jane Cowl, Jersey Beacon, Earl Williams, Sagamore, Jersey Beauty, Gold Medal, etc. only \$3.50 prepaid. Regular value \$6.00. Healthy, guaranteed tubers. Quantity limited. Mail order and \$1.00 deposit today, balance C.O.D. at planting time. Catalog free. Oakleigh Gardens, Dept. H.G., Grand Rapids, Mich.

## DELPHINIUMS

**PRIZE WINNING**, proven leaders of America—new colors—5 times winners Gold Medal at New York. 2 yr. old field grown plants \$11 dz. Catalog in colors on request. W. C. Duckham, Box 11, Madison, N. J.

## EMPLOYMENT

**OUR SERVICE DEPARTMENT:** On request, this association will recommend to the owner of any country estate, men for the positions of superintendents, gardeners, and assistant gardeners who are thoroughly qualified for the positions to be filled, both as to their technical training and general trustworthiness. No member is recommended until his record has been carefully investigated and found worthy of the association's endorsement. National Association of Gardeners, 522 Fifth Ave., N.Y.C.

## FERTILIZERS

**AMAWALK TREE FOOD** is a perfectly balanced ration containing all the elements necessary for proper feeding of all woody plants. Its blend of strength and utility is the result of fifteen years of research by the largest big tree nursery in America. After an application, it continues to be a source of food supply all through the growing season. Descriptive folder on request. Amawalk Nurseries, Amawalk, New York.

**TURN WASTE INTO WEALTH.** Convert every bit of vegetable rubbish—leaves, weeds, cuttings, etc. from the garden, straw and cornstalks from the farm—into real manure (best of fertilizers) without animals by the simple Adeo process. You owe it to yourself to know how to make artificial manure. Interesting booklet free. Adeo, 1740 Ludlow St., Phila., Pa.

**NATURE'S GREATEST FERTILIZER** for Gardens. Hardwood Ashes. Geo. Stevens, Peterborough, Ont., Can.

## GLADIOLUS

**BETTY NUTHALL**, the great prize winner gladiolus. Immense spikes of salmon pink flowers tinted flame and golden throat. Blooming bulbs \$1.00 per dozen Postpaid anywhere. Gaillardia Supreme, new, 4 foot stalks, 4 inch flowers gorgeous red and gold, hardy, blooms all summer any soil, no irrigation. One year plants \$1.00 per dozen, \$6.00 per 100 prepaid. Oakland Gardens, Walled Lake, Mich.

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**SPLENDID IRIS ROOTS** reduced for spring planting. 125 newer varieties, including all types, available. List sent. Kenwood Iris Gardens, R. R. 10, Cincinnati, O.

## LANDSCAPE SERVICE

**SPECIALIST IN ROCK GARDENS & Outdoor living rooms.** Write for particulars. Mac-Schmidt Nurseries, Inc., Allendale, New Jersey.

## NUT TREES

**QUICK WAY TO GROW NUT CROPS.** Here's a remarkable new hobby. It will make money too. A Black Walnut orchard of Pedigree (grafted trees) produces thin shells, huge kernels and a crop more valuable than apples. Send for illustrated booklet "Nut Crops the New Way". The Living Tree Guild, Dept. 18, 468 Fourth Avenue, New York

## ORCHIDS

**FULL GROWN PLANTS**—Flowered and unflowered; unusually good subjects for the private conservatory—\$3, \$5, \$7.50 and \$10.00 each, botanical varieties and Cattleya Hybrids included. All plants are in strong, healthy condition. Orchid booklets and catalogs on request. Orchidworld, Inc., 830 Pelhamdale Avenue, New Rochelle, N. Y.

## ORIENTAL POPPIES

**VERY LARGE** 2 year old plants, each with several flowering crowns. Grown from cuttings and guaranteed true to name. Perfection (lovely shell pink). Giant (immense bright red with flowers 9" across). Mrs. Perry (gorgeous giant salmon pink). 75c each; 3 for \$2 prepaid. Hill Gardens, Kalamazoo, Mich.

## PEONIES

**PEONIES:** Tree & Herbaceous. Catalog ready. Red Hot Poker, blooming plants \$2.50 doz. postpaid. Oberlin Peony Gardens, Sinking Spring, Pa.

## PERENNIALS

**DELPHINIUMS of HOODACRES** and other rare perennial plants. Largest Delphinium farm in America. Originator the double pure White Delphinium, large, magnificent. Seeds—Delphinium and Aquilegia. Great spring offer on all. Chas. F. Barber, Trout Dale, Oregon.

**THE EXQUISITE NEW VIOLET "ROSINA".** Lovely soft pink; hardy; very fragrant. Award of Commendation N. Y. Hort. Soc. 1931. Plants: 12 for \$5; 100 for \$35. Amy Hore, grower of hardy perennials. Green Brook Gardens, Scotch Plains, N. J.

**CHOICE DAHLIAS, GLADIOLUS** and Giant Flowering Delphiniums. Famous for quality. Low bargain prices. Descriptive price lists free. N. A. Miller, 458 E. 66th, Portland, Oregon.

**PERENNIALS and ROCK PLANTS.** Choice Lupine assorted colors \$2.00 per dozen. Wisconsin Wild Flowers. Catalogues on request. Chequamegon Flower Gardens, Washburn, Wis.

**VIOLETS.** Native Orchids, Primulas, New and Rare Perennials. Write for catalog. Paramount Gardens, Plainfield, N. J.

**PRIMROSES—HARDY HYBRIDS.** Nevill Primrose Farm, Poulso, Washington.

## ROCK GARDEN PLANTS

**ROCK GARDEN PLANTS.** Bulbs and Seeds 10 Hardy Plants, all different, labeled, \$1.00—50 Large flowered Gladioli Bulbs, all colors \$1.00. Catalogue free. Rose Side Gardens, Warwick, Pa.

## ROSES

**"SLEEPY HOLLOW DOZEN"** of EVERBLOOMING Roses. Twelve lovely Roses, including the Pres. Herbert Hoover, and the Talisman, both immensely popular multi-color varieties, also the new E. G. Hill, one of the finest reds. Wide range of color; bouquets of fragrance. All strong 2-yr. field-grown plants. Purchased singly, would cost \$10.40; priced in collection at \$8.75, postpaid. Catalog Free. Rosedale Nurseries, Box D, Tarrytown, N. Y.

**A LITTLE BOOK ABOUT ROSES.** Free on request. This little book gives a lot of information it has taken a life time to discover . . . culture, pruning, watering, diseases, insecticides, protection, and much more. Some of this information you can not secure from any other source. And Peterson roses show the effect of this knowledge. Let us send you your copy today. 25 cents to Pacific Coast States. George H. Peterson, Rose Specialist, 30 Paramus Road, Fair Lawn, N. J.

**7 GUARANTEED ROSE BUSHES—\$3.50** Prepaid. Regularly sell for \$7.00. Choice of 16 varieties: Talisman, Mrs. Aaron Ward, etc. 2-year, field-grown plants, individually wrapped and tagged. Write for bargain catalog No. 101, describing this offer, and also Glenco Mineral fertilizer, a marvelous plant food for flowers and lawns. Glendale Dist. Co. (Est. 1921) 7015 Cooper Ave., Brooklyn, N. Y.

**12 TALISMAN ROSES,** scarlet with old rose and gold, strong three year old plants, prepaid \$5.00. Ivar Ringdahl, Florist, Rome, N. Y.

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**RAREST BULB SEEDS.** Unusual Lily & Flowering Bulb seeds from odd corners of the world; the "hard to find" varieties. Write Dept. H for interesting catalog. Rex D. Pearce, Merchantsville, N. J.

**RARE ALPINE PERENNIAL & Annual Seeds** including many choice new introductions. Ralph E. Huntington Nursery, Painesville, Ohio.

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**GARDEN TOOLS** of exceptional merit. 96-page catalog free. A. M. Leonard & Son, Piqua, Ohio.

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**1 NEW THOMSEN BLUE SPRUCE \$2.50.** Our own new marvelous introduction this year. Never offered before. Bluest color ever seen in Blue Spruce is our guaranty. Supply limited. Order now while they last. 4-6 in. plants 2-\$3.95 1 New Jap Bloodleaved Maple 8-12 inches \$1.25 1 Hardy Jap Magnolia Soulangeana 6-12 in. \$1.25 3 Hardy Beauty Bush (Kolkwitzia) pink 1-1 1/2 ft. \$1.50 2 New Japan Bloodleaved Barberry 1-1 1/2 ft. \$1.50 2 New Hardy Improved Butterfly Bush 1 1/2 ft. \$1.50 12 Hardy Rock Garden Plants. Best variety \$1.20 Add 20 cents for postage and packing. Free Catalogue. Thomsen Nursery Company, Mansfield, Pa.

**FLOWERING TREES.** Japanese Flowering Cherries, Flowering Crabs, Chinese Magnolias and a complete line of U. S. Government Inspected and Certified Nursery Stock. "Plant a Tree for Washington's Bicentennial." Write for prices. A. E. Wohler, 921 Montgomery Ave., Narberth, Pa.

**FRENCH LILACS.** Sixty best varieties available from our collection of 180 kinds. Write for suggestions according to your available space. Farr Nursery Co., Box 108, Weiser Park, Pa.

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**HARDY NORTHERN GROWN EVERGREENS.** Hardy Northern grown Rock Garden Plants, Hardy Northern grown Outdoor Ferns, Hardy Northern grown perennials. Our free Catalog will interest you. Ferndale Nursery, Askov, Minnesota.

**RHODODENDRON, Kalmia, Hemlock, Holly, Cedar, Leucothoe, Azaleas and Flowering Dogwood.** Write for price list. J. F. Norris, Doeville, Tenn.

**CHOICEST EVERGREENS** in wide variety now ready for delivery. Full satisfaction guaranteed. Henry Hicks & Son, Westbury, Long Island, N. Y.

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## WATER LILIES

**WATERLILIES FROM POTS GROW BETTER.** Plants for Watergardens. F. W. Schumacher, Box 131, Jamaica Plain, Mass.

# House & Garden's Gardening Guide

(CONTINUED FROM PAGE 71)

## DECIDUOUS TREES (For Southeast and Gulf States)

NAME	HEIGHT	CHARACTER AND USE
Elm ( <i>Ulmus</i> )	100'-125'	Thrives even in the lower South; in addition to the American Elm, <i>Pumila</i> and <i>Alata</i> may be used.
Oak ( <i>Quercus</i> )	75'-100'	Laurel Oak ( <i>aurifolia</i> ), Willow Oak ( <i>phellos</i> ), and Pin Oak ( <i>palustris</i> ) are especially good. Unsurpassed for street planting and for large shade tree.
Plane ( <i>Platanus</i> )	80'-100'	The popular "Golden-rain" tree; yellow flowers in August and September; resists drought; moderately long lived. D.
Varnish Tree ( <i>Koeleria</i> )	25'-35'	Picturesque growth; fine fall color; moist soil.
Nyssa ( <i>Tupelo</i> )	40'-60'	Very large leaves; rounded spreading head; trumpet-like fragrant purple flowers, May-June.
Paulownia	35'-45'	Splendid, especially in lower South; many varieties; rapid growing; long lived; evergreen in milder sections.
Eucalyptus	100'-150'	The Saucer Magnolia; tender; prefers southern exposure; splendid lawn specimen.
Magnolia, Pink	15'-20'	Fern-like foliage like Acacias; pink fragrant flowers; hardy to southern New Jersey; fast grower.
Albizia (Mimosa, Silk Tree)	25'-30'	Rounded top; dense shade; panicles of lavender flowers, yellow berries; very rapid growing; not long lived. D.
Chinaberry ( <i>Melia azedarach</i> )	30'-40'	

## EVERGREENS (Southeast and Gulf States)

Pine ( <i>Pinus</i> )	40'-100'	Numerous Southern species, some in dry sandy soil others in swampland; Long-leaf ( <i>palustris</i> ) and Loblolly native "Yellow" P. do well under many conditions.
Araucaria	25'-30'	Tropical looking but fairly hardy; variety <i>Excelsa</i> graceful.
Cedar ( <i>Cedrus</i> )	100'-125'	Tall graceful pyramids, unusual fern-like foliage; Atlas is hardiest; Deodar fine; Cedar of Lebanon more tender; good drainage; sheltered position.
Eppalotaxus (Plum-Yew)	8'-30'	Hardy to Washington, in sheltered positions to Philadelphia; habit similar to Irish Yew.
Cryptomeria	30'-50'	Very Japanese in habit; dense rich green foliage, bronze in winter.
Juniper ( <i>Juniperus</i> )	3'-40'	Northern Redcedar is native to Florida, also Southern type ( <i>J. lucayana</i> ); innumerable horticultural forms; foundation and group planting. D.
Yew ( <i>Taxus</i> )	3'-40'	Many species and varieties, including native <i>T. floridiana</i> ; hedges, foundations, groups. S.
Torreya	40'-60'	Handsome, Yew-like foliage; shiny green foliage, dense growth; <i>taxifolia</i> in Southeast, <i>Californica</i> in Southwest.
Bald Cypress ( <i>Taxodium distichum</i> )	50'-75'	Deciduous evergreen, narrow upright growth, drooping fern-like foliage; native of swamps but thrives on ordinarily dry soils.
Live Oak ( <i>Quercus virginiana</i> )	40'-60'	Wide spreading branches, forming tent of dense shade; slow growth, long lived.
Holly ( <i>Ilex</i> )	30'-40'	Splendid small tree for landscape planting; native and exotic varieties thrive; individual specimens; hedges, mixed planting.
Magnolia grandiflora	20'-40'	Typical tree of the South, producing heavy shade; street planting; individual specimens; deciduous towards northern limits.
Acacia	10'-50'	Beautiful Fern-like foliage; yellow, lemon, or cream blossoms; evergreen in mild climates; graceful and charming.

## EVERGREENS SHRUBS (Southeast and Gulf States)

Abelia grandiflora (Glossy Abelia)	5'-6'	Charming, easily grown; foundation planting, border, individual specimens; tiny Arbutus-like flowers, mid-summer to frost; deciduous toward northern limits, hardy to southern New Jersey.
Coral Ardesia ( <i>A. crenulata</i> )	5'-6'	Decorative foliage, coral red berries; quite tender; lower South and Gulf. S.
Acuba japonica (Gold-dust Plant)	6'-10'	Spreading, shrubby; broad green leaves spotted gold; hardy to southern New Jersey. S.
Azalea	5'-10'	Wide variety; most prefer sun, some in partial shade; Indica especially fine; acid soil; summer mulch. S.
Camellia japonica	10'-20'	Small tree, shiny evergreen foliage, gorgeous blossoms in early spring; fairly moist soil, sheltered, tolerates partial shade.
Cestrum	8'-12'	Spreading, with climbing tendency; fast growing, slender, needs support; tender; lower South; Nocternum for night fragrance.
Cotoneaster	2'-6'	Excellent for foliage, flowers and berries; many hardy deciduous sorts are evergreen here. D. R.
Privet ( <i>Ligustrum</i> )	10'-20'	Several glossy leaved evergreen varieties, such as <i>Lucidum</i> ; hedges, mixed borders, foundations; extremely satisfactory. S.
Lantana camara	3'-6'	For low growing hedges; continuous bloom; foundation planting, mixed shrubbery border.
Nerium Oleander	12'-15'	Slender, upright shrub, clusters of single or double pink flowers; fragrant; some shade; specimens, or shrubbery border; requires pruning. D.
Pittosporum	6'-20'	Large shrub or small tree; good proportions and foliage; white fragrant flowers; especially near coast.
Nandina domestica (Heavenly Bamboo)	6'-8'	Dense, shrubby; Fern-like foliage, bronze in winter; unusual, easy, satisfactory; hardy to southern New Jersey. S.

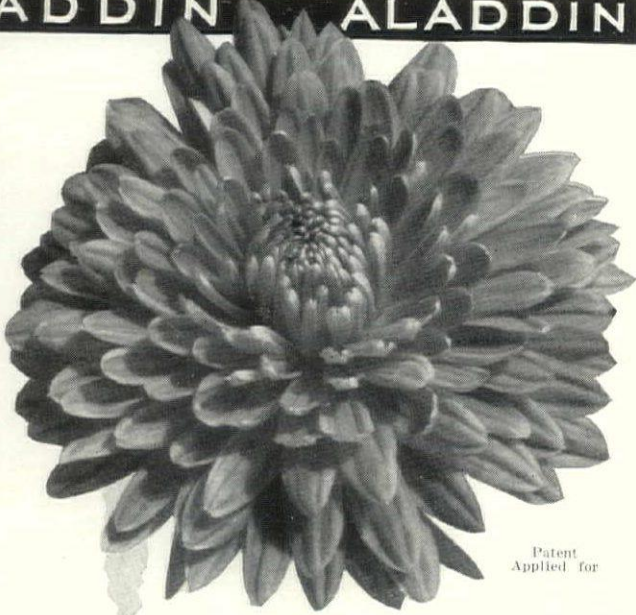
## DECIDUOUS SHRUBS (Southeast and Gulf States)

Crape Myrtle ( <i>Lagerstræmia</i> )	8'-25'	JUNE-AUG. Broad, rounded, spreading; cut back and water freely for second blossoming; especially good in Gulf States.
Hibiscus, Chinese ( <i>H. mutabilis; rosa sinensis</i> )	5'-25'	MAY-DEC. Tender branching shrub, excellent hedge or individual specimen; small tree in sub-tropics; Maple-like leaves, very large flowers all season.
Jasmine ( <i>Jasminum</i> )	3'-12'	MAR.-NOV. Many varieties; mostly fragrant; semi-climbers; foundation plantings; porch, pillars, mixed border.
Coral Bean ( <i>Erythrina</i> )	2'-3'	MAY-AUG. Small shrub, long sprays of Pea-like blossoms; red berries; very decorative.
Pomegranate ( <i>Punica</i> )	3'-12'	APR.-SEPT. Showy orange-scarlet flowers; exceptionally ornamented fruit; dwarf form excellent low hedge; groups; pot or tub plant for porch; <i>granatum</i> hardy to Washington, D. C.
Tamarix	10'-20'	MAR.-OCT. Shrub or small tree; willow branches, feathery foliage, delicate sprays of pink bloom; varieties for succession; back of border; hedges; stands salt winds. D. S.
Southern Crab ( <i>Malus [pyrus] angustifolia</i> )	10'-20'	APR.-MAY. Beautiful native shrub, fragrant pink blossoms in early spring; easy; shrubbery border; specimens.
Chaste-Tree ( <i>Vitex</i> )	15'-20'	JULY-SEPT. Bushy, upright; panicles of lavender flowers; new variety, <i>Macrophylla</i> ; fine for late bloom. Also shrubs from Northeast and Northwest.

(Continued on page 94)

**ALADDIN ALADDIN**

**ALADDIN**



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**A New, Extra-Early Hardy Chrysanthemum**

ALADDIN gleams like burnished copper and gold, as rich in color as the tapestries of an Emperor's palace. From early August to late November, long stems carry three, four, and even five large, glorious blooms. Superb for decoration, lasting 10 days or more after cutting. Awarded gold medals and certificates of merit as the best Hardy Chrysanthemum of recent years.

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6 plants at 10 rate, 25 at 100 rate

Send your order today to our Mr. J. M. Adie, and receive our 1932 Catalogue with superb color picture of Aladdin, with list of flower and vegetable seeds, plants and garden supplies.

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In addition to these new Roses, there are many worthy and popular varieties, indispensable in every garden of Roses. All these Roses—new or old—are modestly priced.

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- Autumn. Bright Yellow.
- Helen Fox. Golden yellow.
- Mrs. Sam McGredy. Red.
- Olympiad. Blood red.
- President Deville. Red.
- Mrs. Beatty. Soft yellow.
- Roslyn. Golden yellow.

*Climbers*

- Henry Linger. Yellow.
- Royal Scarlet. Hybrid.

*Hybrid Rugosas*

- Dr. Eckener. Pink, suffused gold.

*Polyanthas*

- Johanna Tantau. Rosy white.



**ROSES**

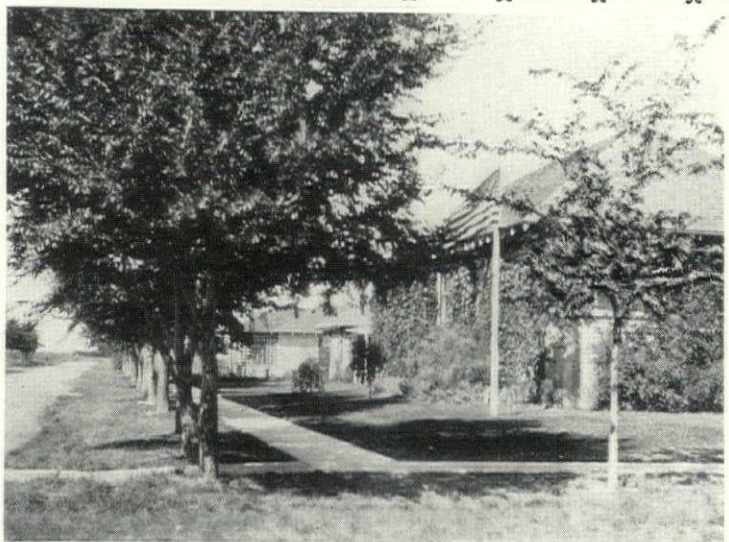
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**Bobbink & Atkins**

is more than a catalog—it is a text-book on the best Roses for modern gardens. Nearly a thousand varieties of Roses are listed; their merits and demerits are freely discussed; all varieties are classified and arranged to make selection and ordering easy. A copy will be mailed free on request to those who intend to plant Roses.

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Rutherford New Jersey



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(or SIBERIAN)

The picture tells the story

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**For Street Planting, Wind Breaks, Screens or Individual Lawn Trees**

There are two strains of Chinese Elm. Our stock is genuine North China Strain, guaranteed, as introduced by the U. S. Department of Agriculture.

Very hardy, it thrives in any climate from bleak Saskatchewan to torrid Arizona. It leaves out early in Spring and retains its foliage until late Fall. The tree is graceful in form and very adaptable to shaping as desired. On all points this Chinese Elm is one of the most valuable trees ever introduced into America.

Complete descriptions of these true Chinese Elms that grow 27 feet in 6 years, together with hundreds of other choice fruit and ornamental trees, flowering shrubs, plants, evergreens, perennials, etc. with illustrations in color are in our 1932 Catalogue—Mailed free on request. Write for it to

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See Pages 6 and 7 of Dreer's 1932 Garden Book for descriptions of the varieties and advice on how to get the best results with them. This authoritative work will be sent free on request to those interested in grass seed, vegetable and flower seeds, roses, perennial plants, etc.

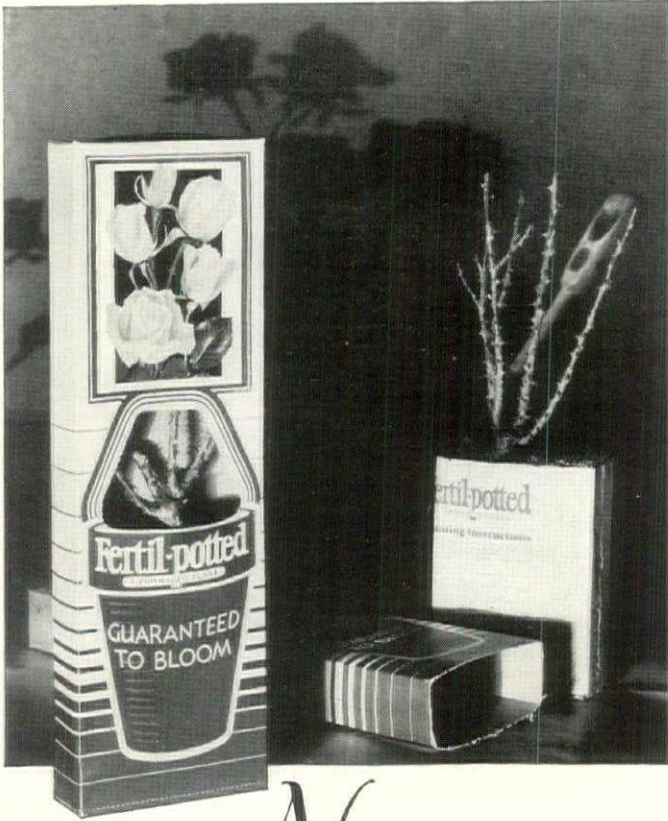
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# New . . . this Patented Packing Guarantees Beautiful Blooms



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A Fertil-potted plant—that's what you ask for—is mature and growing when you buy it. The roots come packed in rich "food." All you do is slip off the carton, soak the root block in water, dig a hole, and plant it. You don't have to prune, and you needn't know a thing about fertilizers. In a few days, the leaves begin to grow. In a few weeks you have your roses—a mass of exquisite blooms that leaves the neighbors nonplussed!—These are truly privileged plants.

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House & Garden says of the Fertil-potted plant: "Briefly stated, this new system consists of enclosing the roots of the shrub within the dimensions of a block of wet, fertilized peatmoss by means of heavy mechanical pressure which reduces the peat to much less than its normal bulk. As a result, all air is excluded, every bit of root is perfectly protected, and enough moisture is assured to supply the needs of the stock for a surprisingly long time. Every hazard attendant upon ordinary planting is avoided. In actual tests the plan works out perfectly. Beyond question, it is a discovery of far-reaching possibilities." © H & G. Reproduced by permission.

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Be sure to get Fertil-potted plants this spring. Identify the package from the picture above. A comprehensive list of varieties—among them the newer Hybrid Tea Roses, Climbing Roses and choice flowering shrubs—will be on sale early in March in the leading department stores, nurseries, florists, seed stores and hardware stores. *You'll be surprised at the prices.* If your dealer does not have a stock, send us his name.

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WEDGE NURSERY, INC.  
Albert Lea  
Minnesota

# Fertil-potted ROSES

GUARANTEED TO BLOOM

## House & Garden's Gardening Guide

(CONTINUED FROM PAGE 92)

### VINES (Southeast and Gulf States)

NAME	HEIGHT	CHARACTER AND USE
Coral Vine ( <i>Antigonon</i> )	25'-35'	Clinging tendrils. Tender; bulbous root; one of the best for lower South and California; continuous bloom; graceful, delicate; porches; trellises; tender to frost but starts again. S.
Jasmine ( <i>Jasminum</i> )	8'-12'	Semi-climbing shrubs. Several varieties; winter or early spring flowering. S.
Carolina Jessmine ( <i>Gelsemium sempervirens</i> )	20'-30'	Twining. Native; small fragrant yellow flowers in January or February; evergreen; thickets; trellises, verandas; easily transplanted.
Bougainvillea	20'-40'	Paper-like, long lasting crimson flowers, April to November; summer houses or other high supports; if injured by frost cut back. Crimson Lake best variety. D.
Catsclaw Trumpet ( <i>Bignonia unguis-cati</i> )	20'-30'	Claw-like tendrils. Evergreen Bignonia with pointed leaves; withstands slight frost; pergola, summerhouses.
Allamanda ( <i>A. hendersonii</i> )	25'-35'	Twining. Quantities of beautiful deep clear yellow 3" blossoms; long season; long, narrow shining leaves.
Lantana ( <i>L. sellowiana</i> )	6'-8'	Semi-climbing, trailing. Semi-climber, on trellis or other support; banks or walls; heads of small lavender flowers.
Plumbago capensis		Semi-climbing, trailing. Continuous bloomer, attractive blue flowers; ground or bank cover or low trellis.
Cup-of-Gold Flower ( <i>Solandra guttata</i> )	15'-25'	Twining. Gorgeous blossoms, deep ochre yellow; broad leathery leaves; vigorous; porch; house-wall, tree, pergola.
Climbing Fig ( <i>Ficus humila</i> )	10'-15'	Clinging. Small shining heart-shaped leaves; delicate tracery over mason work or solid cover. D.
Asparagus ( <i>A. plumosus</i> )	10'-30'	Twining. Thin wiry stems, Fern-like foliage; beautiful vine, and splendid for use with cut flowers. S. Also practically all suggested for Northeast and Northwest.

### PERENNIALS AND ANNUALS (Southeast)

NOTE: The same perennials and annuals used in the more northern States are available for the South. The culture is somewhat altered by climatic conditions. Many of the hardy annuals become perennials. These and many of the true annuals may be planted in late fall—October-December, instead of in the spring as in the North.

Many of the perennials, on the other hand, are best treated as annuals. Some of them do not thrive where they can not have the long period of rest accorded by northern winters. Started early they will flower satisfactorily the first season.

### DECIDUOUS TREES (For the Southwest)

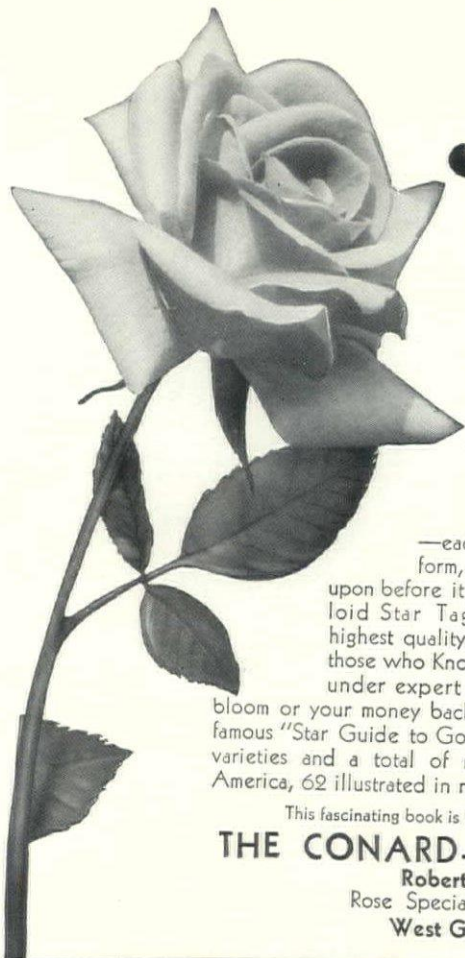
NAME	HEIGHT	CHARACTER AND USE
Elm ( <i>Ulmus</i> )	50'-100'	Stands considerable drought; English remains green longest; Chinese Elm does well; <i>parvifolia</i> is evergreen in South. D.
Birch ( <i>Betula</i> )	40'-60'	Excellent; European and Canoe species do well.
Ginkgo	50'-75'	Irregular spreading branches; good shade; good color throughout season.
Liquidambar (Sweet Gum)	50'-75'	Pyramidal; Maple-like foliage; good substitute for Maple.
Poplar ( <i>Populus</i> )	50'-100'	Very fast growing for shade and temporary use; Balm of Gilead much more permanent; Carolina Poplar for Arizona and alkaline soils. D.
Arizona Ash ( <i>Fraxinus velutina</i> )	25'-30'	Extremely rapid grower, doing well in alkaline soils and drought; also near coast. D.
Cottonwood	50'-75'	Thornburr variety for Arizona and inland; extremely fast grower; excellent shade. D.
Pagoda Tree ( <i>Sophora japonica</i> )	50'-60'	Large, spreading, graceful; light green foliage; drooping white flowers; easily grown; any soil, excellent shade.
Mulberry ( <i>Morus</i> )	15'-30'	Several varieties, including Silk Worm Mulberry ( <i>multicaulis</i> ); Kingan has less fruit but is best for Arizona and inland. D.
Coral Tree ( <i>Erythrina crista-galli</i> )	15'-30'	Small tree usually about 15'; <i>E. humeana</i> considerably taller; corky bark; crimson or scarlet butterfly-like flowers; unusual garden specimen.

### EVERGREENS (Southwest)

Coniferous Sequoia	50'-100'	Redwood and Big Tree do quite well; beautiful even when young; avenue and roadside, individual specimens for large grounds.
Cedars ( <i>Cedrus</i> )	75'-100'	Many varieties; Deodar successful over wide range vigorous grower, dignified but graceful.
Incense Cedar of Cal. ( <i>Libocedrus decurrens</i> )	30'-50'	Beautiful and satisfactory evergreen; branches in whorls harder than <i>Arancaria</i> .
Cunninghamia (Chinese Fir)	40'-50'	Narrow pyramidal, bluish green foliage; good for inland where some others will not thrive. D.
Arizona Cypress ( <i>Cupressus arizonica</i> )	30'-40'	Tall, narrow, dense column; deep green; best in northern California; also dwarf form 6' to 8'.
Montezuma Cypress ( <i>Taxodium mucronatum</i> )	50'-60'	Beautiful, somewhat similar to Redwood but more spreading and graceful; finely cut aromatic foliage.
Pine ( <i>Pinus</i> )	40'-60'	A number of native and exotic species do well under southern Cal. conditions; especially Monterey Pine ( <i>P. radiata</i> ); dense growth, light green; Torrey Pine, Japaneseque, thrives near coast.
Fern Pine ( <i>Podocarpus elongatus</i> )	12'-15'	Unusual bushy evergreen, light green, finely cut Fern-like foliage; easy, wide range. S.
Broad-Leaved Eucalyptus	25'-125'	Fine and satisfactory tree; completely naturalized; wide range of form; individual specimens; tall screen; naturalistic planting.
Camphor Tree ( <i>Camphora</i> )	75'-100'	Big but slow growing, uniform shape; dense bright green glossy foliage with spring coloring; street parkings and lawn specimens.
Pepper Tree ( <i>Schinus</i> )	40'-50'	Spreading rounded head; drooping branches, beautiful foliage; pendant clusters of rose-colored berries; street parkings; lawn specimens; landscape groups. D.
California Live Oak ( <i>Quercus agrifolia</i> )	40'-50'	Native, picturesque, dense spreading; sharply indented leaves; rapid grower, beautiful at all stages; good for shade; also smaller species, Canyon Oak; good lawn specimen in dry locations.

(Continued on page 96)





# 5 New Star Roses

- ★ Editor McFarland H. T.
- ★ Thomas A. Edison H. T.
- ★ Grenoble H. T.
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—each one having that perfection of form, color and fragrance that we insist upon before it is labeled with the familiar celluloid Star Tag which is your assurance of highest quality. Star★ Roses are the "Choice of those who Know", because they are field grown under expert supervision and guaranteed to bloom or your money back . . . The 1932 edition of the famous "Star Guide to Good Roses" shows seventeen new varieties and a total of nearly 200 of the best roses for America, 62 illustrated in natural color.

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These "aristocrats of the garden" give that distinction so much sought in the perennial garden. Our nearly forty years' experience in the growing of Hardy Lilies ensures your success. Five pages of our 1932 Garden Book are devoted to Hardy Lilies and we give a special three-page sheet of cultural directions with each order. Here is a selection of

### Lilies suitable for Spring planting

that will produce flowers from June until Autumn:

COMPLETE COLLECTION

HALF COLLECTION

\$14. (54 Bulbs)  
(Six of each)

\$7.50 (27 Bulbs)  
(Three of each)

(Actual value if purchased separately \$18.25)

EARLY	MEDIUM	LATER FLOWERING
<i>L. hansonii</i> —Orange	<i>L. regale</i> —Pink and White	<i>L. batemanniæ</i> —Apricot
<i>L. elegans</i> —Red	<i>L. longiflorum</i> —White	<i>L. auratum</i> —Gold-banded
<i>L. croceum</i> —Buff	<i>L. superbum</i> —Orange-yellow	<i>L. speciosum</i> —Pink

OUR Garden Book abounds with many similar offers of Ferns and Wild-flowers, besides a large assortment of the choicest Hardy Perennials. Now is the time to order for Spring planting. Send for our Garden Book. It is FREE. Let it aid you in your selection.

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## But is it right for YOUR garden?

Will the colors of that new flower you have in mind harmonize with those of its neighbors? Would the newcomer flourish in such a sunny (or shady) spot? Is your soil too light—or heavy—to produce good results?

Dreer's Garden Book (Pages 49 to 207) answers such questions and many others in connection with a thousand plants and flowers. That is why it is known as the one completely authoritative work of its kind. Yet it is sent free on request to those interested in vegetable and flower seeds, roses, perennial plants, etc.

HENRY A. DREER

Dept. K 1306 Spring Garden Street  
PHILADELPHIA, PA.

# DREER'S

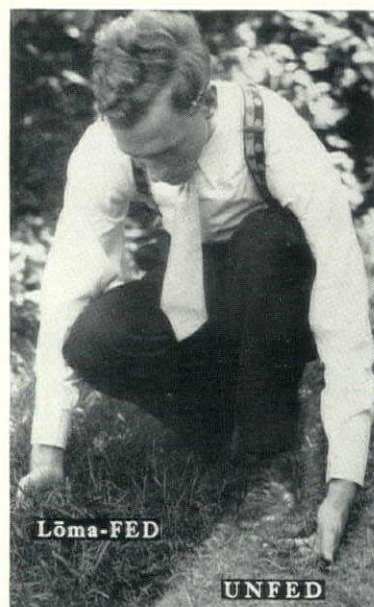
just see how Lōma makes grass

## GROW! and GROW!

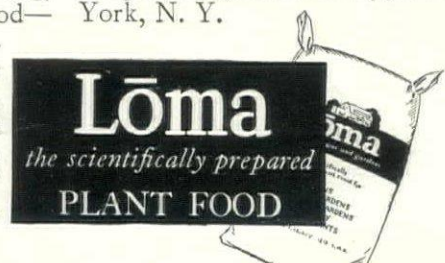
VEGETABLES and FLOWERS, too!

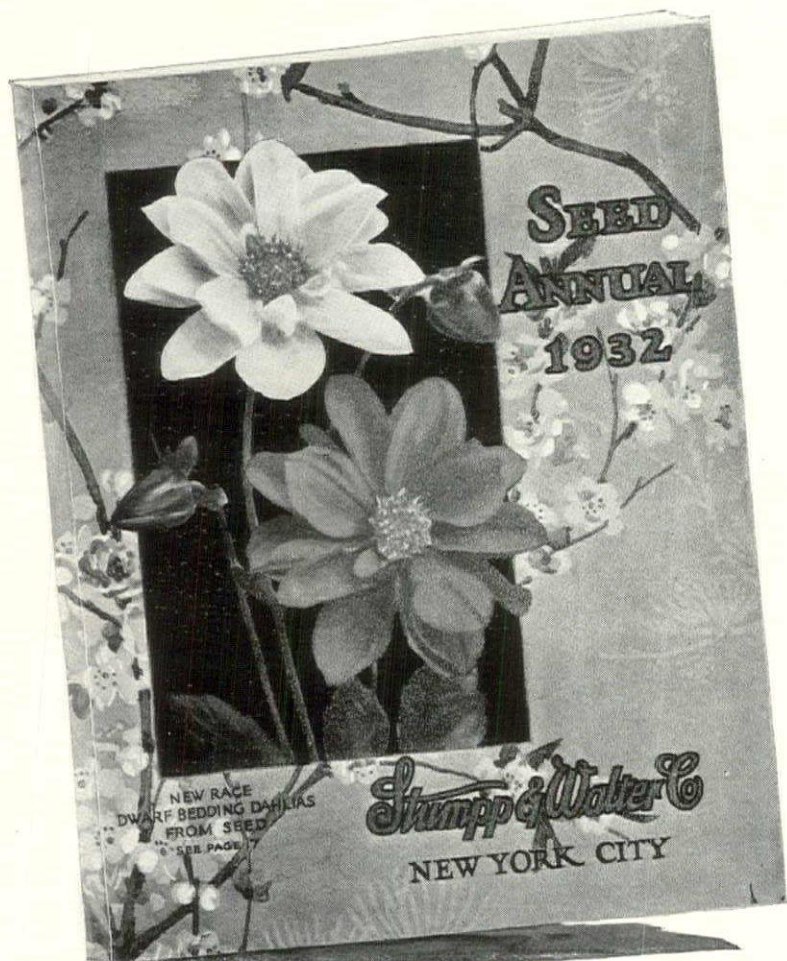
Divide your lawn into two parts—treat one part with Lōma—wet it down. In ten days the Lōma-fed grass will be unbelievably thicker . . . taller, sturdier—a deep, healthy green. Lōma-feed your vegetable garden—those plants will bear earlier and more bountifully. Lōma-feed your flower-beds—those stalks will reward you with colorful, more plentiful blooms.

Lōma is the quick-working, perfectly balanced plant food—richer in vital growing elements—and, although higher in quality, no higher in price. Get it, in your choice of six sizes, from your dealer in lawn, garden and florists' supplies—also the Lōma



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In our opinion there is no late summer and autumn flowering subject which is more effective, more easily grown and less expensive than these hybrids. Given the same treatment, they are as easy to grow from seed as Asters.

By sowing seed early plants may be had which will bloom from late June until frost. They may be planted 18 to 20 inches apart, rarely exceed 24 inches in height and require no stakes.

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## House & Garden's Gardening Guide

(CONTINUED FROM PAGE 94)

### EVERGREENS (Southwest)

NAME	HEIGHT	CHARACTER AND USE
She-Oak (Beefwood) ( <i>Casuarina</i> )	30'-100'	General appearance somewhat like Pine; excellent for unfavorable locations, withstanding heat, cold, dry weather, alkaline soil; street. D.
Silk Oak ( <i>Grevillea robusta</i> )	75'-100'	Graceful tree, with very beautiful Fern-like foliage; peculiar yellow flowers 6' long; fast grower, good lawn specimen; drought resistant. D.
Carob ( <i>Certonia</i> )	35'-40'	Symmetrical form; dense glossy foliage the year round; deep rooted; long lived; street planting; individual specimens. D.
Flame Tree (Bottle T.) ( <i>Sterculia acrifolia</i> )	40'-50'	Maple-like evergreen leaves, stunning background for the red cup-shaped blossoms on scarlet stems; unusual decorative tree.
Athel Tree ( <i>Tamarix articulata</i> )	25'-30'	An evergreen Tamarix, typical slender growth; gray-green foliage; hedge, screen, and specimen for hot, dry sections. D.
Jacaranda	25'-30'	Handsome flowering tree, symmetrical growth, fanlike foliage; clusters of light blue flowers in spring; decorative; will not stand much below freezing.
Parkinsonia (Palo Verde) (Jerusalem Thorn)	12'-15'	Showy tree, unusual form, drooping, feathery, reedlike branches; bright yellow flowers; early summer; excellent protective hedge or screen for adverse conditions. D.
California Laurel ( <i>Umbellularia</i> )	20'-25'	Dark green leaves, long and narrow, similar to Eastern Laurel; yellow flowers; black fruit; shrubby border or naturalistic effect in landscape planting. <i>Also most of those for Northwest and Southeast.</i>

### EVERGREEN SHRUBS (Southwest)

California Lilac ( <i>Ceanothus</i> )	8'-15'	Upright or spreading, bushy; beautiful native; wide range of species and new horticultural hybrids; shrubby border and groups; some hardy to Oregon.
Bottle-brush ( <i>Callistemon</i> )	10'-20'	Exotic but thoroughly at home in southern California; rapid growing; heat and alkaline soil; cylindrical flowers of scarlet, crimson, or orange; garden decorations and color masses. D.
Nerium Oleander	15'-20'	Upright, slender, succeeding throughout California and in Arizona; mixed shrub border, individual specimens in garden; new named varieties. D.
California Coffee-berry ( <i>Rhamnus</i> )	12'-15'	Native, deep green foliage; wide range of soil conditions, sun or partial shade. <i>R. purshiana</i> similar but taller; black berries; mixed border or naturalistic effect. S.
<i>Tamarix, parvifolia</i>	12'-15'	Slender branches; feathery foliage; pink flowers in early summer, evergreen in southern portions. D.
Natal Plum ( <i>Carissa</i> )	6'-8'	Dense, dark, glossy green foliage; fragrant pure white waxy flowers; succeeds near coast and inland; edible Cranberry-like fruit; stands shearing well; splendid hedge or foundation planting; or for mixed border.
Cistus (Rockrose)	4'	Compact, bushy; pure white crimson spotted or lilac pink flowers; drooping; good for walls, banks, foreground of border. D.
Fuchsia	3'-5'	Slender drooping shrubs, pendant flowers; shade and moist soil. S.
Lantana	2'-6'	Tall growing and dwarf forms; former for hedges, fences, shrub border; latter for garden edging, bordering walks; everblooming; full sun.
<i>Cantua buxifolia</i>	Trailing	Trailing shrub, bright red tubular flowers; trailing habit; banks, walls or terraces. <i>Also those for Southeast and Northwest.</i>

### VINES, PERENNIALS, AND ANNUALS (Southwest)

NOTE: See list of Vines suggested for Southeast and Northwest, and remarks concerning Perennials and Annuals under Southeast Section.

## Delphiniums that cap the garden's climax

(CONTINUED FROM PAGE 88)

like monstrosities. Some seedsmen, lacking discrimination, apparently mistook these monstrosities for the celebrated Wrexhams and sent such seeds to market as Hollyhock Delphiniums. Pictures of these lugubrious spikes are still occasionally printed to allure you as representations of results you may expect with X.Y.Z.'s seeds.

In decided contrast to the Wrexham is the slender non-tapering spike dubbed "pipe cleaner". Between the two extremes, each with value of its own, we will probably find a satisfactory standard for the Delphinium.

This ideal Delphinium would have stems that depended on texture and fibre for their strength rather than thickness. They would have luxuriant open foliage for the first two or three feet of their ascent, then would begin the flower spike proper for which a length of three feet may be set as the minimum. We will be proud of longer spikes if the stems will be strong enough to carry them, for our Delphiniums must be sturdy enough to face any ordinary weather conditions without being lashed to telegraph poles.

We will want all the good colors on hand but we must also have Delphiniums of true blue in all shades. The spike will be slender with enough base width to taper slightly, the blossoms to set along the stem with carelessness and loose regularity in the lighter tints, getting more compact and even densely set in the very deep colors. The laterals, wiry and airy, will extend well out from the main stem. While the plant would always respond to intelligent care, it would not die if we forgot to take its temperature.

While we would prefer to have complete disease resistance, we are willing to use the sulphur dust about the same way we use it on Roses, to ward off trouble. And we certainly shall expect to find our plant doing business regularly in the same spot year after year until we decide to divide it because we want to go in for mass planting. As an expression of appreciation of such loyalty we will not expect plants to bloom more than once a year, thereby giving new eyes developing at base of stem the time they count upon to store material for next year's pageant

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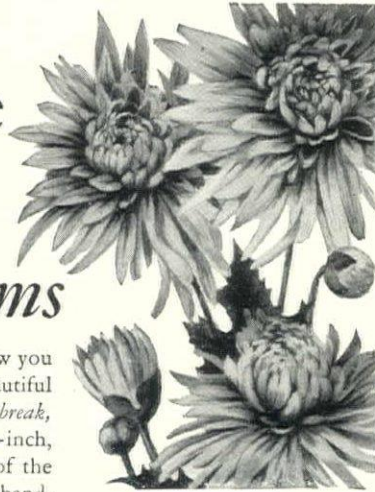
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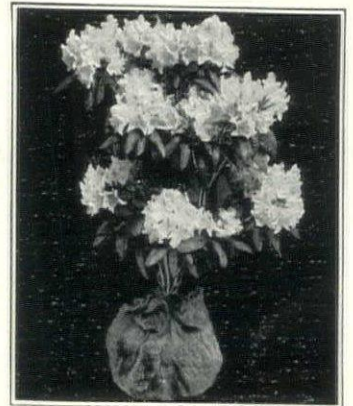
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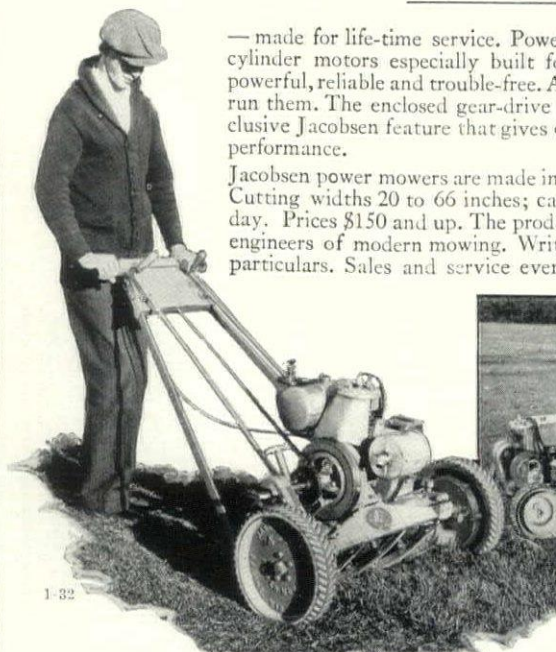
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Jacobsen 4-Acre Mower at the left and small view above of the 32-inch Twin-motor Mower with sulky.

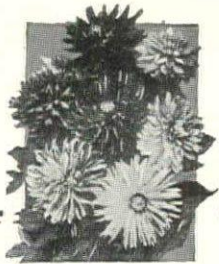
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Madison Ave. at 59th St. New York City

## Northwestern flower gems

(CONTINUED FROM PAGE 78)

It prefers a sandy soil. This, along with *Pentstemon barbatus torreyi*, two to three feet tall, also scarlet flowered, is splendid for highlights in the mid-border from June to September. Another native *Pentstemon*, *ovatus*, has blue flowers considerably earlier, and reaches a height of four feet. It is splendid both for the back of the border and for cutting. The Colorado Columbine, *Aquilegia caerulea*, growing up to three feet, is a very beautiful one; the flowers are blue to lavender, with white center.

The native Gentians make desirable garden subjects, either for an intimate corner of the border or the wild garden, or for a moist, cool spot in the rock garden. *Calycosa* is especially beautiful, one of the finest of all Gentians, with large flowers of real Gentian blue on good stems, eight to ten inches tall, and flowering from midsummer until late autumn. *Menziesi* is a dwarf, semi-prostrate form. Charming companions for these, flowering in the spring, are the native Ladieslipper, *Cypripedium montanum*, brown and white, and the dainty and delicate little *Calypso occidentalis*, a miniature Fringed Orchid, pink shading deeper pink.

Two plants for damp or boggy locations are the western Cowslip or Marsh Marigold, *Caltha uniflora*, interesting because of its white flowers, and the scarlet Monkey-flower, *Mimulus cardinalis*. The new but altogether too little used Erigerons,

*coulteri* and *speciosus*, are natives of the Northwest. The former is mauve-colored and the latter bright pink, the flowers resembling the wild Asters, but of lower growth—18" to 24"—and the blooming season much earlier, late June to August.

While, quite literally, the woods are full of interesting native shrubs and trees, but a few can be mentioned here. One which to me seemed particularly lovely is the Wild or Mountain Lilac, *Ceanothus*. Our Eastern New Jersey Tea, *C. americanus*, is a hardier member of the same family. The new horticultural hybrids are proving popular in the West, and should do well near the Eastern coast below New Jersey.

*Clematis columbiana* is especially desirable because of its early season; it is covered in May with lavender blue flowers three to four inches across. It grows fifteen feet high.

The Western Dogwood, *Cornus nuttalli*, is larger than our Eastern form, making a tree up to fifty feet or more in height. It is hardy to British Columbia, near the coast, but probably not north of Washington in the East. It should prove well worth trying in fairly mild climates. Subject to the same climatic conditions is the Madrone (*Arbutus menziesii*), evergreen with large glaucous leaves and striking, copper colored smooth bark, attaining about the same proportion as the preceding, and bearing six-inch upright panicles of fragrant white flowers in early summer.

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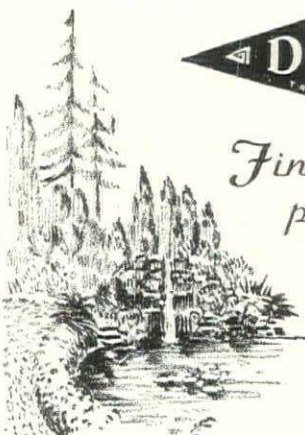
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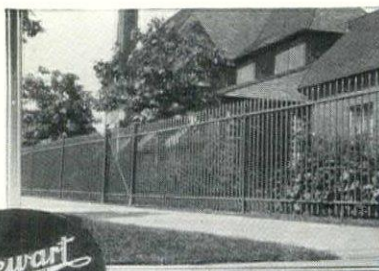
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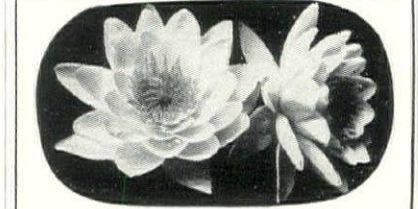
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### The garden scrap book

**ESPALIER FRUITS.** For many years the espalier fruit tree, specially trained and shaped to grow flat against a house or other wall, has been a notable feature of European gardens great and small. On this side of the Atlantic, however, its use has been the exact opposite of frequent. For reasons which we have never been able to win for it, a wide acceptance have been sporadic and poorly sustained, despite the fact that the espalier tree is endowed with the fundamental good qualities of attractive appearance, compactness, dependability and downright practical fruit production of the highest order.

All this being the case, it should be of the greatest interest to American gardeners to know that an excellent and varied stock of trained fruit trees is available this spring from a New York firm, Max Schling Seedsmen. It includes Apples, Pears, Cherries, Plums, Peaches and Nectarines, most of them in the forms known as cordon (both vertical and horizontal), U-form, double U-form, fourfold U-form, four-arm palmette verrier and six-arm palmette verrier. In these various types the upright branches range from one to eight and the lateral spread of the tree from a few inches to fifteen feet. In the horizontal cordon there are no vertical branches—just two horizontal ones.

The charm and practical adaptability of these espalier dwarf trees can-

not be exaggerated. They are perfect for small areas, of course, where space is at a premium. And for ornamental as well as fruit effects against any kind of wall, or even on special trellises, they are unequalled.

**MODERN BLACK WALNUTS.** Another specially noteworthy tree offering this year is the vastly improved Black Walnut which has been made available by the Living Tree Guild. This is a grafted, pedigreed product, perfectly hardy, which is to the nut family what the clipper-ship was to the tribe of lumbering sailing craft which preceded it.

Imagine a Black Walnut which, within five years or so from the time you buy it as a youngster no higher than your head, will bear a crop of extra-high flavored nuts with meats much larger than those of the ordinary kind and so thin shelled that they are easily cracked with an ordinary hammer. In its common form the Black Walnut may not bear a real crop before it is forty years old. The new grafted strain produces bushels of a far finer crop in less than half the time, and is a good looking tree as well.

We really ought to pay more attention than we do to the improved hardy nuts, bush types as trees. Great forward steps have been taken by some of the nurseries which specialize in them, both as to productiveness and all-around quality of the crop. If we

(Continued on page 101)



### French Poppy ANEMONES!

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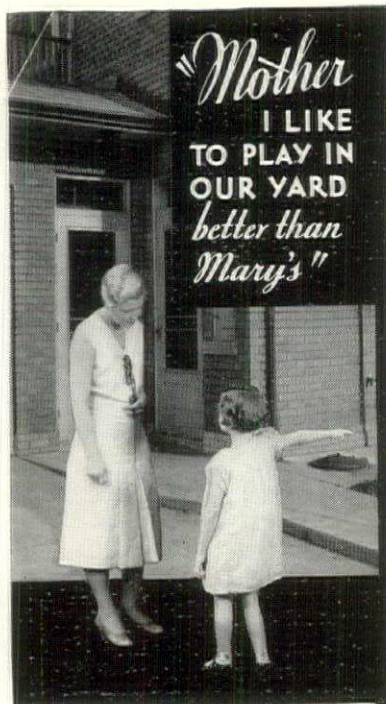
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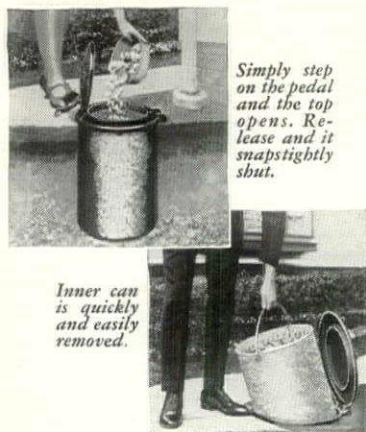
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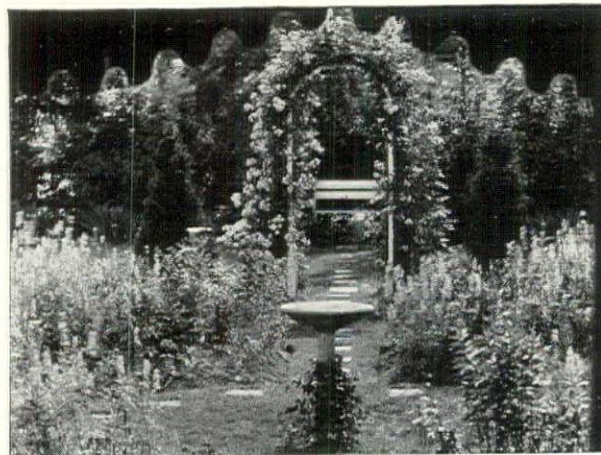
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## The garden scrap book

(Continued from page 99)

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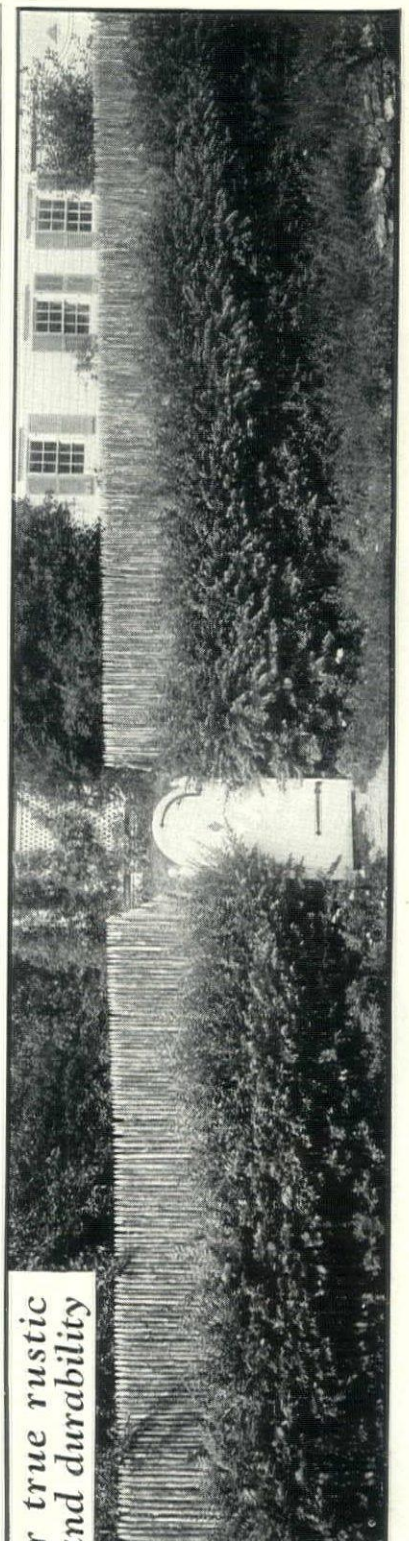
When growth begins in this second

spring, prune off all shoots except those from the two top buds. Train these in opposite directions along the lower wire, but do not allow any fruit to develop. Keep the main trunk free from all other shoots and in midwinter shorten the two arms which you have developed to about six joints each.

In the third spring a shoot will grow from each bud on these two canes and bear a few clusters of fruit. As they grow, hang these shoots over the upper wires so that the vine forms a canopy. Before flowering time, choose two strong shoots starting near the main trunk for next year's arms. These are to be further strengthened by allowing no fruit to develop on them. All other shoots are shortened to two joints beyond the last clusters. In two weeks examine them again to make sure none was missed, and shorten all fresh shoots to one joint. In mid-winter cut off each of the old arms 1" above the new arm developed during the preceding summer, and discard it with all its shoots. The new arms are then shortened to six or eight joints and carried along the lower wire as were their predecessors, being tied in several places.

During the fourth and succeeding years the vines are handled as in the third season, except that strong, healthy ones can well carry three or four main arms instead of two.

(Continued on page 103)



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Book for Garden Lovers—35c a copy

## Schling's Seeds

Max Schling Seedsmen, Inc.  
Madison Ave. at 59th St. New York City

# The garden scrap book

(CONTINUED FROM PAGE 101)

**READY-TO-PLANT SHRUBS.** A notable advance in the nursery industry becomes evident this spring in the plans made by the Arcadia Rose Company to place on the market a variety of first-class Roses and flowering shrubs packed in compressed, fertilized peatmoss in such a way that all the usual risks attendant upon transplanting are eliminated. Beyond question this is one of the most progressive steps that growers have taken in years. There seems to be no reason why it should not revolutionize a distribution system which has always presented serious problems.

Superficially described, the roots of the plants prepared in this new way are completely enclosed in a block of enriched peatmoss which provides ample moisture and food not only during shipment but for a considerable time after planting. When the stock is received by the purchaser he simply removes the cardboard cover and plants the root block without more ado, filling in the hole around it in the usual fashion. The plant receives no setback whatever; the new young growth which is often on it does not even droop for a moment.

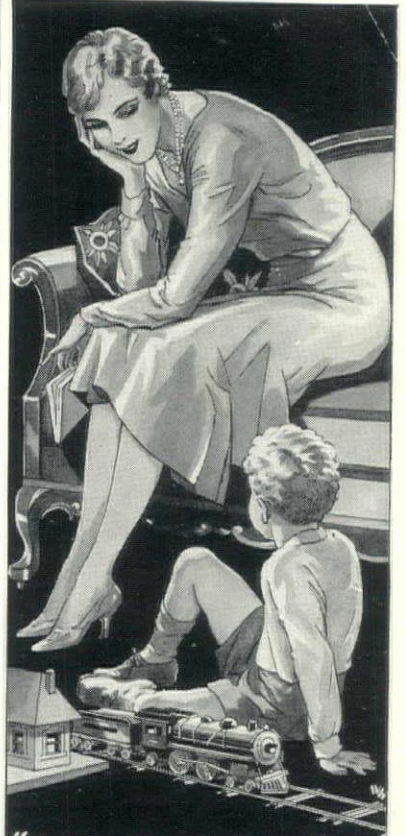
The list of plants so far available is not long, but it is well selected. It includes thirteen varieties of good monthly Roses such as Gruss an Teplitz, Radiance and Los Angeles, and the following ornamental shrubs: double pink Flowering Almond, Gol-

den Philadelphus, Snowball, *Forsythia fortunei*, Mockorange, Butterfly Bush, purple Lilac, Hydrangea and Van Houtte Spirea. It is fair to assume that, as the plan gains headway, this list will be considerably broadened.

**KITCHEN WASTE FOR PLANTS.** To the sound advice not to waste grass clippings, dead leaves and other such raw materials which can be made into perfectly good compost may well be added the suggestion that garbage, too, has its definite value as plant food when properly introduced into the soil of the garden. The regular daily waste stuff from the kitchen—food scraps of all kinds, vegetable tops, small bones, fish heads and all the rest—is potential nourishment for both flowers and vegetables.

There are several ways in which these ordinarily discarded products may be handled. One is to dump them in an open pit where they will gradually disintegrate into a mass of rich, humus-like material. This system presupposes that the pit is far enough from the house not to be offensive.

A better plan is to bury each day's accumulation between the plants, even during the growing season, of course being careful not to dig close enough to disturb their roots. Let the hole be the full depth of the spade and of such length and breadth that several inches of soil can be filled in over the garbage and tramped down.



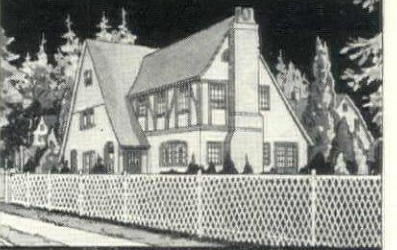
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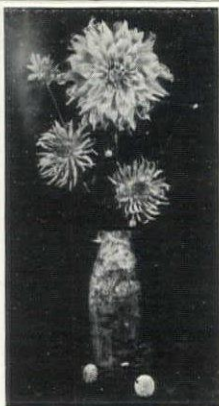
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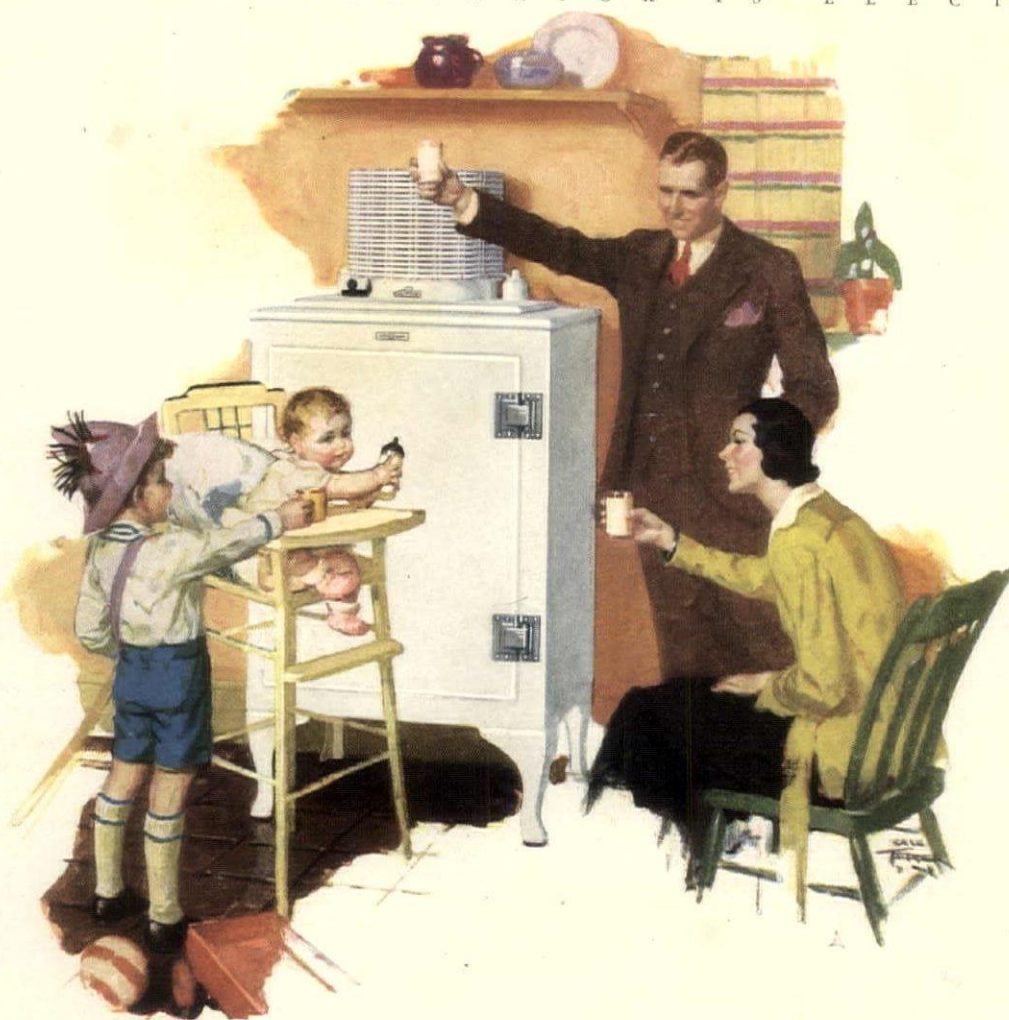
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