

MARCH 1932

# The American Home

Doubleday, Doran & Co., Inc.

10¢



## GARDENING NUMBER

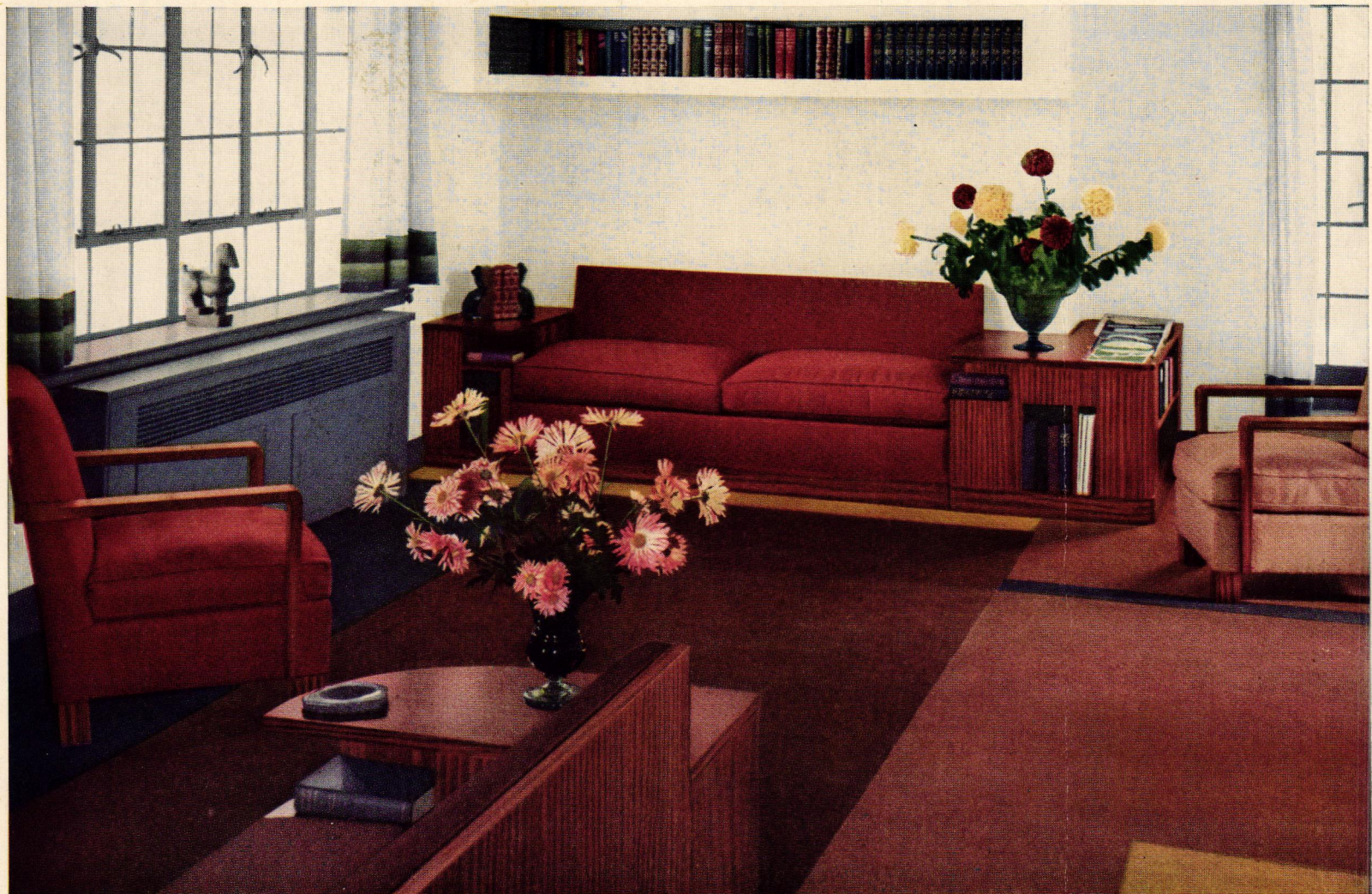
*Tools, Supplies, Seeds, and Bulbs  
to Make the Garden Beautiful*



THEY'RE PAINTING THEIR FLOORS WITH

Carpet

IN ANY DESIGN THEY LIKE!



An actual color photograph, taken in a duplex pent-house on East 52nd Street, New York. By using Collins & Aikman Carpet in four colors, the decorator has given this modern interior amazing vitality. The carpet design was planned to blend with minor color-notes throughout the room. Only this seemingly seamless carpet could give an effect so utterly individual—so evidently custom-tailored—at reasonable cost. Decorator, L'Elan, Inc. The carpet was furnished by F. Schumacher & Co.

ROOMS are as individual as people; they have their irregular corners and peculiarities. And just as a good custom-tailor is able to make a suit that fits without blemish or bulge—so is a room custom-tailored with Collins & Aikman Carpet. You can run it from one room into another, into odd-shaped corners, around pillars or

obstructions, up stairways—and nowhere does it show an ugly stitched seam.

Moreover, from the decorative viewpoint, Collins & Aikman Carpet could hardly give more versatile effects if it were paint—instead of soft, quiet carpet. Special designs are cut from carpet of various colors, fitted together and joined on the under-side by the exclusive process which makes the result *seemingly seamless*.

Collins & Aikman Carpet comes in 54-inch widths, and a choice of sixteen colors. It has a resilient back which locks the pile, and allows the carpet to be cut in any direction—across, on the bias, or in curves—without binding edges. This,

with the new method of joining sections, is the principle which makes it such a plastic decorative medium. You can have inlaid crests and monograms, special borders to match drapes or wall-tints, individual effects without limit.

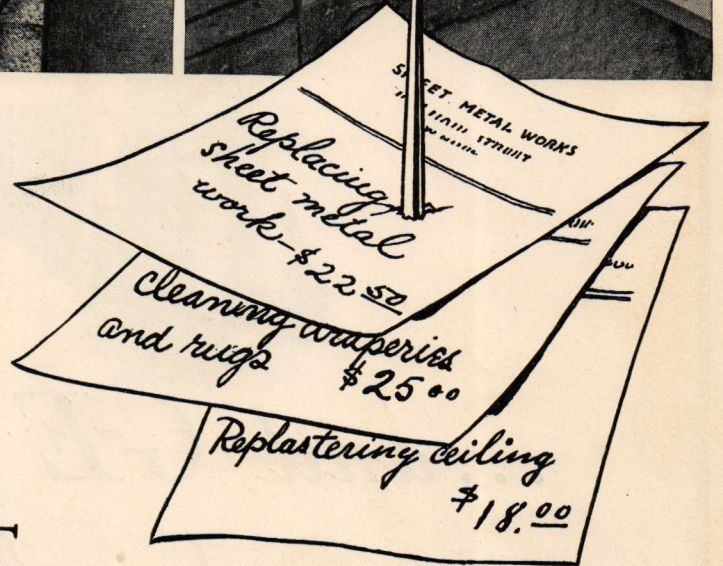
And most astonishing of all—*Collins & Aikman Carpet sells at the economical cost of the old-fashioned type of strip carpet which had to be stitched together!* Before you buy any floor covering, see this most versatile carpet at any of the leading stores where it is sold. And write for a copy of our illustrated booklet, addressing Collins & Aikman Corporation, 25 Madison Avenue, New York City.

© 1932

*The Seemingly Seamless* COLLINS & AIKMAN CARPET

USED AND SOLD BY LEADING STORES AND INTERIOR DECORATORS





# Build or Repair with COPPER to end the tax to RUST

Don't invite rust expense by installing gutters, rainpipes and flashings of metals any less durable than Copper.

**G**UTTERS and rainpipes made of metal identified by the Anaconda trademark give many extra years of expense-free service. Nor are these Copper products expensive. For the average 7-room Colonial house they cost only about \$35 more than metals that rust.

Around chimneys, dormers and other roof projections where leaks usually start... where repairs are expensive because so much labor is involved... flashings of Copper offer protection against leaks caused by rust. It is well to remember that the damage a single rust leak may cause often costs more than the

### The "Dollars and Cents" Economy of a Copper Rain-disposal System

1. It eliminates the need for painting.
2. It eliminates repairs caused by rust.
3. It eliminates periodic replacements.

Copper saves its slightly higher first cost many times over by eliminating these upkeep and replacement expenses, which cost an average of \$24 per year for an 8-room house of usual size.

initial "saving" rustable metal seems to offer.

Other Anaconda metals give your home this same economical protection against rust. Water pipes of Anaconda Brass... forever immune

to rust... cost for the average home only about \$60 more than the rustable pipe. Screens of Anaconda Bronze Wire outlast several sets of ordinary screens... and cost but 50 cents more per window. Solid Brass and Bronze hardware retains its rich beauty indefinitely.

### Rustless Tanks Save Money, Too

Water storage tanks of Copper or Everdur (an Anaconda alloy of strengthened Copper) stop rust at a troublesome source. Well-made tanks of these metals offer economy due to long life, and the convenience of an uninterrupted supply of rust-free hot water.

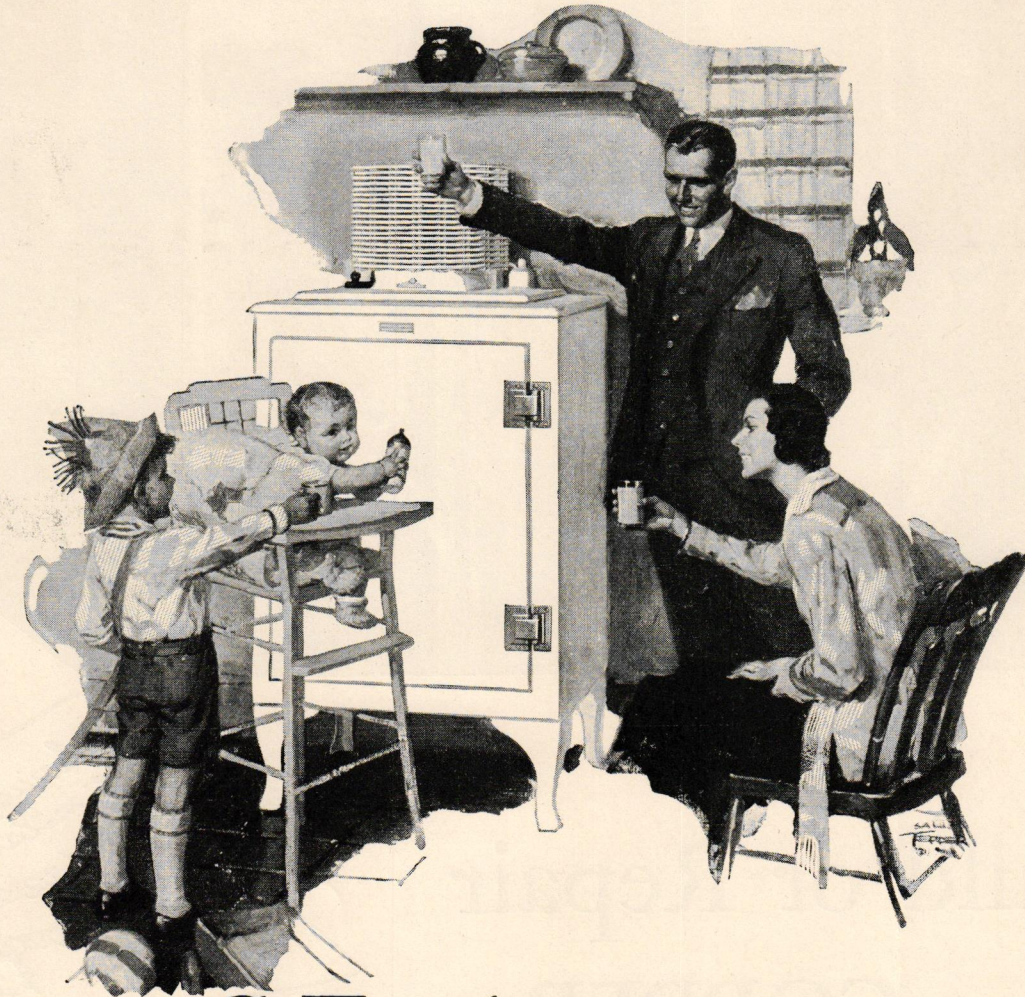
The helpful booklet, "Copper, Brass and Bronze in the Home," explains the advantages of a home free from rust. For a free copy, address The American Brass Company, General Offices: Waterbury, Connecticut.



For Sheet Metal Work, ANACONDA COPPER



T H E M O D E R N R E F R I G E R A T O R I S E L E C T R I C A L



*...and G-E pledges  
a long life of care-free service*



YEARS FROM NOW you'll date the end of your refrigeration cares from the day your General Electric is installed.

Have the enjoyment of General Electric convenience now. Each month's delay means dollars wasted. Your G-E will actually pay its own way into your home. It can save from 20% to 30% of your monthly food bills.

Quiet, dependable, year after year the General Electric will perform its important duty of keeping food fresh and expenses down. It requires no attention—not even oiling. Dust, moisture or tampering fingers cannot

harm the General Electric, for all its simple, current-saving mechanism is hermetically sealed-in-steel in the Monitor Top. Additional features include rugged All-Steel cabinet; sliding shelves; the open, all-porcelain super-freezer; acid-resisting porcelain interiors, and a complete guarantee against any service expense for three years. A small down payment will put a General Electric in your kitchen tomorrow.

Write for a copy of our magazine "The Silent Hostess," it will be sent to you free. Each issue contains delightful recipes, household hints, health talks, entertaining suggestions by noted authorities. Address, General Electric Company, Electric Refrigeration Department, Section F3, Hanna Building, 1400 Euclid Avenue, Cleveland, Ohio.

*Join the G-E Circle. A special program for women every day at noon (except Saturday). On Sunday at 5:50 P. M. a program for the whole family. (Eastern Standard Time). N. B. C. coast to coast network.*

**GENERAL  ELECTRIC**

**ALL-STEEL REFRIGERATOR**

DOMESTIC ▸ APARTMENT HOUSE AND COMMERCIAL REFRIGERATORS ▸ ELECTRIC WATER COOLERS



# The American Home

## Contents for March, 1932

VOLUME VII

NUMBER 6

	PAGE
Cover Design by Adolph Treidler	
Through the Sunporch Window . . . . .	322
Annals—The High Lights and Lesser Lights	
<i>Laura Mark Brayton</i>	323
Recent Roses of Real Merit . . . . .	324
<i>J. Horace McFarland</i>	
To Dress, Feed, and Weed the Lawn . . . . .	326
Succeeding with Succession . . . . .	327
<i>Romaine B. Ware</i>	
Making the New Lawn . . . . .	328
<i>H. A. Huschke</i>	
Garden Fragrance from Shrubs . . . . .	329
<i>Robert T. Van Tress</i>	
Dividends from Digging . . . . .	331
<i>T. H. Everett</i>	
Water Gardens in the Making . . . . .	332
<i>C. Anthony Van Kammen</i>	
Modern . . . . .	333
<i>A. Lawrence Kocher and Albert Frey</i>	
A Course in Furniture—XII. The Furniture of the Three Louis . . . . .	334
Half Timber House . . . . .	336
<i>Jefferson M. Hamilton</i>	
An American Favorite . . . . .	337
<i>Richard S. McCaffery</i>	
An English Home . . . . .	338
<i>G. Dewey Swan</i>	
My Favorite Salads . . . . .	339
<i>Alice Foote MacDougall</i>	
The New Glassware . . . . .	341
The Small Boy Comes into His Own . . . . .	342
<i>Iva Lou Wildey</i>	
Prize Winning Homes in Our Contest . . . . .	344
Painting for Proper Protection . . . . .	346
<i>Morgan G. Farrell</i>	
The American Home Employment Plan . . . . .	347
Devices for American Homes . . . . .	350
<i>Diana North</i>	
Hearthstone Booklets . . . . .	354
Lily Ponds Without Mosquitoes . . . . .	358
<i>Julia A. Howell</i>	
Shop Windows of To-day . . . . .	364
<i>Diana North</i>	
In and About the Garden . . . . .	368
<i>Leonard Barron</i>	
Garden Reminders . . . . .	370
Index to Advertisers . . . . .	382

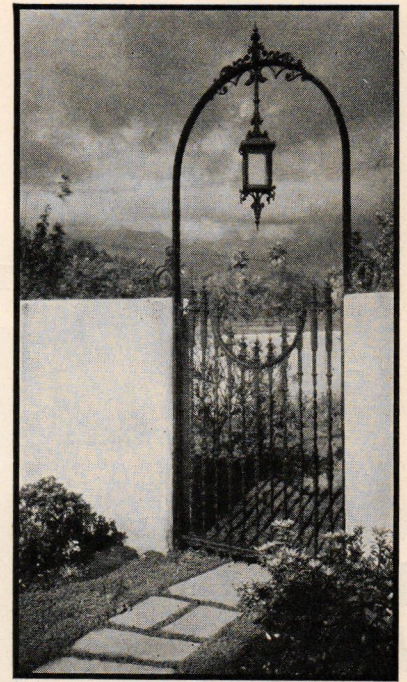
REGINALD T. TOWNSEND  
Editor

LEONARD BARRON  
Horticultural Editor

FREDERICK KLARMAN  
Art Editor

HENRY HUMPHREY  
Managing Editor

ELIZABETH H. RUSSELL  
Associate Editor



Padilla Company

## Cement

THERE is a home into the foundations of which there has been cemented the very feel of the soil itself—the rapture of May mornings, the calm of October sunsets. And as those who live in it look out of its long windows onto the passing pageant of the seasons, they too, seem somehow to be significant parts of the countryside which the house dominates in so virile a manner.

It was Keats who said once: "If poetry comes not as naturally as the leaves to a tree, it had better not come at all." Home-keeping and home-loving may never be forced. A restless cross section of America, always on the move, unable to identify themselves with any certain locality, will find little of interest in such magazines as THE AMERICAN HOME. Here we are writing and editing, reporting and interpreting, for you who are familiars of tranquility, comrades of the soil and sun. Apart a little from the roar and clatter of the highways, who can say that your home lives, after all, may not give to American civilization its deepest and most lasting significance? Whatever passions sweep men, whatever systems come and go, these things remain: a home and a garden looking towards a crimson twilight, and over it all that serene sense of security which never rests upon the fluttering wings of any bird of passage.

DOUBLEDAY, DORAN & COMPANY, INC., GARDEN CITY, NEW YORK; PUBLISHERS OF WORLD'S WORK, COUNTRY LIFE, THE AMERICAN HOME, SHORT STORIES, LE PETIT JOURNAL, EL ECO, WEST.

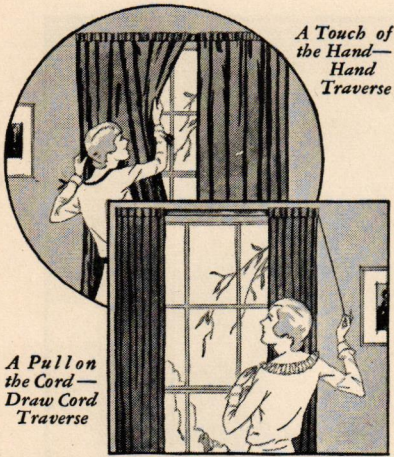
BOOK SHOPS (BOOKS OF ALL PUBLISHERS): NEW YORK: LORD & TAYLOR; JAMES MCCREERY & COMPANY; PENNSYLVANIA TERMINAL; 1 WALL STREET; GRAND CENTRAL TERMINAL; 50 EAST 42ND STREET; 53 EAST 44TH STREET; 105 EAST 57TH STREET; 370, 420, 526, AND 819 LEXINGTON AVE.; 31 NASSAU ST.; PHILADELPHIA: BROAD STREET STATION BUILDING; ATLANTIC CITY: 2807 BOARDWALK; CHICAGO: MANDEL BROTHERS; ST. LOUIS: 310 N. 8TH ST., AND 4914 MARYLAND AVE.; SPRINGFIELD, MASS.: MEEKINS, PACKARD & WHEAT; SYRACUSE, N. Y.: DEY BROTHERS & CO.

OFFICERS: F. N. DOUBLEDAY, CHAIRMAN OF THE BOARD; NELSON DOUBLEDAY, PRESIDENT; RUSSELL DOUBLEDAY, VICE-PRESIDENT; JOHN J. HESSIAN, TREASURER; LILLIAN A. COMSTOCK, SECRETARY; L. J. MCNAUGHTON, ASSISTANT TREASURER.

OFFICES: GARDEN CITY, NEW YORK; NEW YORK: 244 MADISON AVENUE; BOSTON: PARK SQUARE BUILDING; CHICAGO: PEOPLES GAS BUILDING; CALIFORNIA: SANTA BARBARA; LONDON: WM. HEINEMANN, LTD.; TORONTO: DOUBLEDAY, DORAN & GUNDEY, LTD.

COPYRIGHT, 1931, BY DOUBLEDAY, DORAN & COMPANY, INC. ALL RIGHTS RESERVED. TITLE REGISTERED IN U. S. PATENT OFFICE. SUBSCRIPTION \$1.00 A YEAR; FOR CANADA, \$1.50; FOREIGN, \$2.00. ENTERED AS SECOND CLASS MATTER AT GARDEN CITY, NEW YORK, UNDER THE ACT OF CONGRESS, MARCH 3, 1879.





A Touch of the Hand—Hand Traverse

A Pull on the Cord—Draw Cord Traverse

## Why deny your Home the Beauty of Draw Curtains? ...now that you can have practical Draw Cord Rods

Kirsch has eliminated the last obstacle in the way of beautifying your windows. At the new popular prices any woman can have draw curtains and draw draperies with all the good things that go with them—

*Comfort and health*—through controlled light and ventilation! *Beauty* through the lovely draping effects it makes possible! *Convenience* because curtains and draperies are opened or closed at a touch of the hand or draw cord.

### Kirsch TRAVERSE DRAPERY HARDWARE

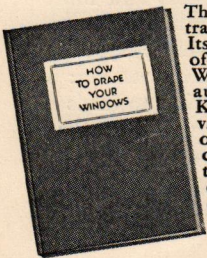
Everything connected with Kirsch Traverse Drapery Hardware—cords, pulleys, slides, etc.—is hidden within the rod. You open or close curtains or draperies—all at a touch. No sagging cords—nothing to get out of order. Curtains and draperies overlap at the middle—when closed—to insure absolute privacy.

Kirsch Traverse Drapery Hardware comes in extension and cut-to-measure styles. Cut-to-measure Traverse Drapery Hardware is made to the exact measurement of each window for a permanent installation.

Kirsch Extension Traverse Drapery Hardware Sets are popularly priced, and come to you fully assembled and ready to put up. All you have to do is hang the draw curtains and draw draperies. Available in sizes to fit windows from 20 to 86 inches—in single, double and triple styles.

Also included in the complete Kirsch line are "Gold Seal" Kirsch Extension Rods, Atavio (ornamental) Sets, Wood Pole Sets, Wood Cornices, and the latest Kirsch innovation—Cornice Pole with Extension Traverse, each and all insuring artistic window treatments.

### Get Your Copy of This Remarkable Book

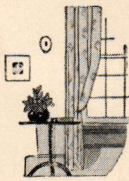


This is a beautifully illustrated \$1.00 value Book. Its 80 pages are brimful of information and help. Written by the leading authority, Mr. C. W. Kirsch, and answers virtually every question on window draping, colors, styles of materials, etc. To get your copy of this limited edition, send 25c today to cover the actual cost of placing the book in your hands.

KIRSCH COMPANY  
356 Prospect Ave., Sturgis, Mich., U. S. A.

You may send me the 80-page book by Kirsch, "How to Drape Your Windows." 25c is enclosed.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_



atmosphere

## THE SPARKLING CHARM OF GLASS



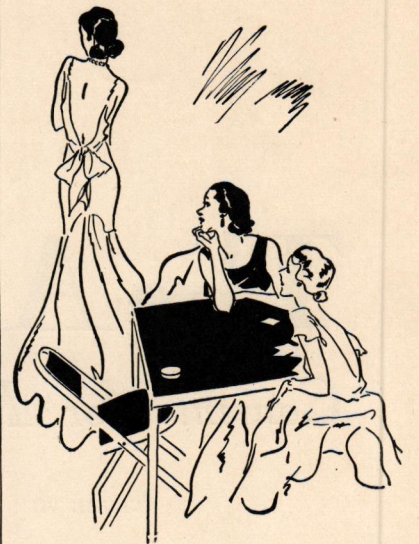
Residence of Mr. Harry L. English, Atlanta. Architects: Hentz, Adler & Schutze. Contractors: Collins, Holbrook & Collins, Atlanta.

Atmosphere is that indefinable tone, that cheerful, inviting "something" which makes a house a home. Fine glass is one of the most effective elements in creating it, for, from without, doors and windows smile a gracious welcome to the guest; within, their friendly, genial air sets visitors immediately at ease and makes home hours much more pleasant for the family. The clear, flat panes of Libbey-Owens-Ford Quality Glass are known for their characteristic sparkle, brilliant finish and freedom from imperfections. If you appreciate fine glass, you can find none finer. Ask your architect and, meanwhile, write for our booklet "Quality in Glass for Windows."

## LIBBEY · OWENS · FORD QUALITY GLASS



LIBBEY · OWENS · FORD GLASS COMPANY, TOLEDO, OHIO  
Manufacturers of Highest Quality Flat Drawn Window Glass, Polished Plate Glass and Safety Glass; also distributors of Figured and Wire Glass manufactured by the Blue Ridge Glass Corporation of Kingsport, Tenn. . . . This label appears on each light of L.O.F. "A" Quality Glass. Printed blue for double strength and red for single strength.



"Sue's gowns are certainly ultra.. ultra"

"Yes, but did you see the bathroom toilet?"

IF THE toilet in your bathroom is not all it might be, why not replace it with a modern T/N?

Especially QUIET. Non-overflowing. Beautiful in white or charming color. And the cost is unusually little. T/N has no wall tank—bowl and tank are combined. Saves space in lavatories or small bathrooms—fits in a corner or even under the window. Just clip the coupon.



### ONE-PIECE WATER CLOSET

W. A. CASE & SON MFG. CO. Founded 1853  
Dept. 223, 220 Delaware Ave., Buffalo, N. Y.

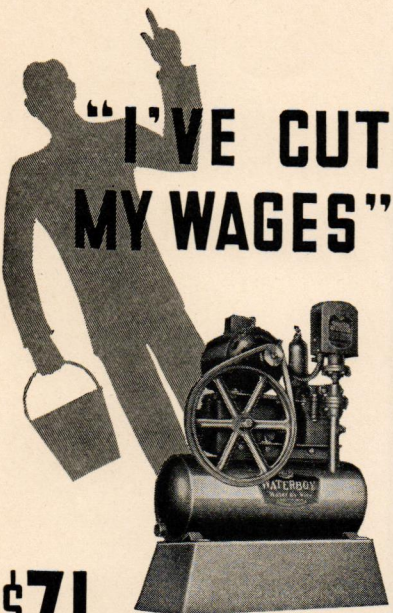
Please send me free descriptive literature on the T/N one-piece Water Closet.

I am interested in

REMODELING  NEW HOME.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
Plumber's Name \_\_\_\_\_





**"I'VE CUT MY WAGES"**

**\$71** is all I ask to pump water for life

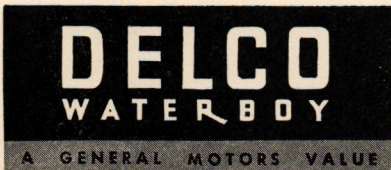
F.O.B. FACTORY

Yes, the Delco Waterboy will now go to work for less than ever before. He will pump water for you all his life for only \$71.00! That's the new, reduced, f. o. b. factory price.

Talk about value for your money! This is certainly a case where you get it. For at this low price, and with our liberal terms, the cost of the Delco Waterboy amounts to only a few cents a day for twelve months. After that it works for nothing!

And the Waterboy, of course, as with all Delco Water Systems, operates against 30 pounds pressure—fully three times as much as ordinary pumps. This means plenty of force behind your faucets. And it also means *more water*—fully 20% more per hour.

Besides the Waterboy, there's a complete line of Delco Water Systems for deep and shallow wells—all with prices substantially reduced. Mail the coupon and let us send you full details. Do it today.




DELCO APPLIANCE CORPORATION, Dept. M-15, Rochester, N. Y.  
Please send me, free, illustrated literature on the Delco Waterboy and other Delco Water Systems.

Name .....

Address .....

*if the Social Season has left you fagged*



**1** VICKS Nose & Throat DROPS

**2** VICKS VAPORUB

*Double your defense against* **COLDS**

*with the new* **VICKS PLAN** *for better* **CONTROL-OF-COLDS**

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 discovery of Vicks Nose & Throat Drops—a remarkable 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*

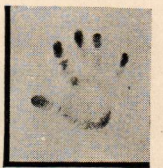
At night, massage the throat and chest well with Vicks VapoRub (now available in white *stainless* form, if you prefer). VapoRub acts like a poultice or plaster and at the same time gives off medicated vapors which are inhaled all night long.

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.

*Trial offer to* **VICKS users**

You have Vicks VapoRub. Now get the new Vicks Nose Drops and follow the Vicks Plan for better Control-of-Colds. Unless you are delighted with results, your druggist will cheerfully return your money.

*Tiny hands-greasy spots*



Can **YOUR** Living Room Walls Be **WASHED?**



*Here is a Rich Fabric Wall Covering of Enduring Beauty*

**I**N Wall-Tex, you choose from patterns and colorings of the greatest beauty imaginable—charming effects to fit every decorative scheme. Modern *coated fabric* wall coverings—with textured surfaces of intriguing richness.

These beautiful surfaces are easily cleaned with a damp cloth—or mild soap and water. After years of service they retain their original beauty . . . And the fabric backing assures many advantages. Wall-Tex resists scuffing and tearing. It conceals ordinary plaster cracks, and helps to prevent new cracks from occurring. Its fabric foundation provides a perfect base for painting should you ever desire to redecorate your Wall-Tex walls.

Beautiful new Wall-Tex patterns and colorings are available for every room in the home. Ask your decorator or dealer

*— or mail the coupon today for samples and valuable free booklet.*

**WALL-TEX fabric WALL COVERINGS**



COLUMBUS COATED FABRICS CORPORATION Dept. T-3, Columbus, Ohio

Please send samples of newest Wall-Tex patterns and free illustrated booklet containing many suggestions on interior decoration and color chart for complete room harmony by Virginia Hamill.

Name .....

Street .....

City and State .....





*The garden is a fascinating place, whether we walk among its flowers or look at it from within. Outdoors its fragrance allures us, but framed by a window its glorious colors and interesting arrangement become a perfect living picture. In this particular sunporch window each small pane is a study in itself*

## Through the Sunporch Window





*The absolute certainty of rich masses of brightly colorful blooms, given any reasonable sort of opportunity to grow, assures the annuals a permanency in our affections. They are the stand-bys for the new garden and the mid-summer reliance in the established border. Zinnias, Calendulas, Snapdragons, and edging of Ageratum are dominant in this garden of annuals*

# Annuals

## *The high lights and lesser lights*

by LAURA MARK BRAYTON

**T**HIRTY annuals we *must* have! It seems a lot when grouped together in this way; but who that has grown these annuals would wish to relinquish them? Surely, not I.

Annuals, as nearly every one knows, are sown in the spring—inside if possible about March 6th to give them an early start, or directly in the ground about the middle of May if indoor facilities are not at hand. If sown out of doors, the gardener is apt not to have enough courage to thin the plants sufficiently to give them enough room for proper development. Nature is lavish with her seeds, and spring's warm sun and gentle rains germinate many more seeds than the average garden can accommodate. The gardener must harden his heart against these engaging green babies and thin them ruthlessly to about ten inches apart for most annuals, though there are exceptions to this rule as will be seen later. The annual will be born, grow, come to full beauty, and die from maturity or from frost in that season. Their span of life is so short that they seem to make up for it by the profusion of their blossoms.

Annuals are splendid for combining with perennials to

help carry color into spots that otherwise would be bare when these regular inhabitants shall have ceased to bloom. Our August and September gardens would indeed be sparsely furnished if annuals were omitted. Also gardens of annuals in themselves would not come amiss if the space could be devoted to them and wonderful color schemes and combinations could be evolved.

**L**ET us start at the beginning of the alphabet and run through those I have found most desirable.

*Ageratum.* Many gardeners do not realize the beauty of this low growing annual. It makes splendid borders of lavender-blue fuzzy flowers and is fine for picking. An early start in the spring prolongs its blooming period ever so much. It seeds itself quite freely and the seedlings that come up in the spring bloom quite early and freely. There is a white variety but I do not care much for it. The flower heads go to seed quite quickly and so should be kept cut to keep the plant trim and neat. If (Continued on page 366)



ANYONE who keeps looking at the superabundance of "new" Roses annually flooded upon us by our industrious and sanguine foreign friends (and 'who assume to set the world's Rose fashions) is likely to be discouraged. He sees the new crop—209 varieties from all the world were described in last year's American Rose Annual—obviously differing but little from other similar superabundant crops. He has little trouble in observing that many of them are merely "ringers" for old friends.

But when he takes into account a generation of time, or half as much, definite advance appears. We have to-day many more truly better, more useful, more pleasing Roses than were available twenty years ago. The now subordinate Crimson Rambler, handled in America with true commercial genius by the old Ellwanger & Barry firm, flashed its real advance across the country in the last years of the nineteenth century. Excelsa, Paul's Scarlet Climber, and now Scorcher have almost put it out of remembrance.

# Recent Roses

*of real merit*

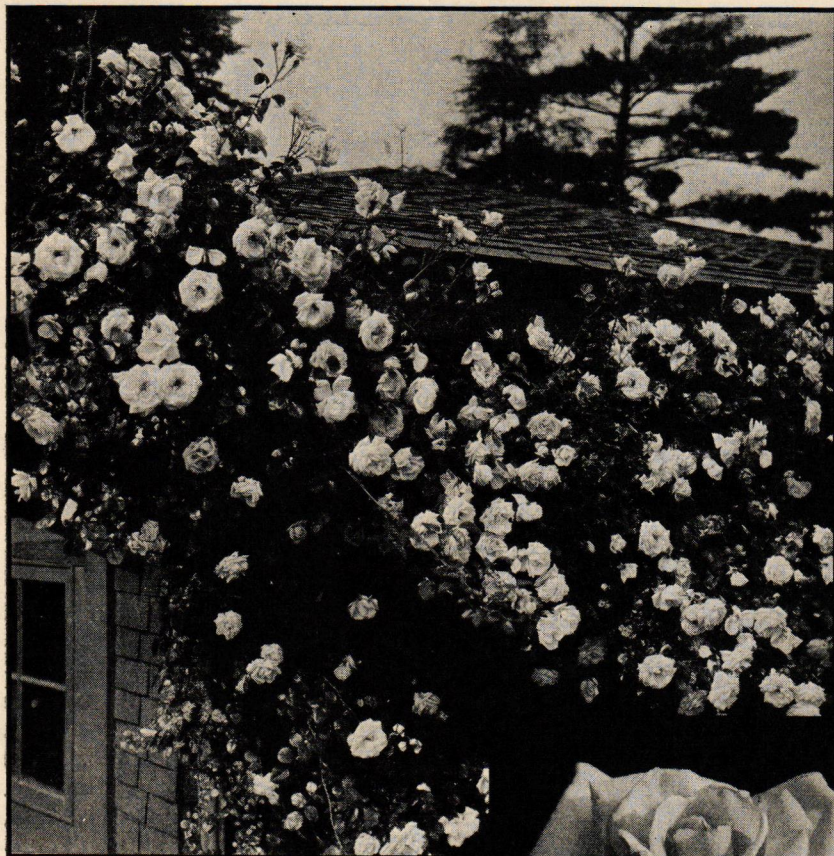
by J. HORACE MCFARLAND

It is a far cry from the Baltimore Belle of my boyhood to the Dr. W. Van Fleet and Mme. Gregoire Staechelin of to-day. I still love Hermosa, that dependable old Bourbon which was almost the only resource in its class when I was a boy, but now a thousand pink Hybrid Tea Roses put out its eye.

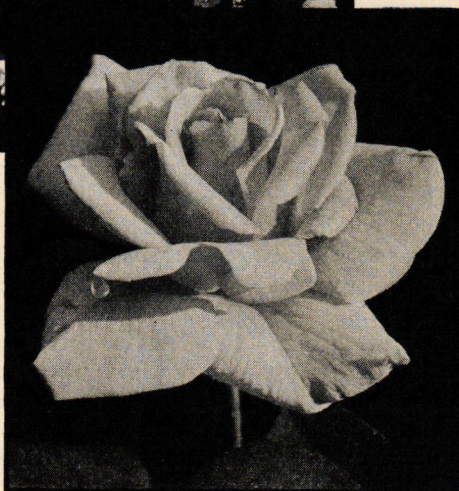
Taking stock of Roses at the beginning of 1932, we will need to admit, however, that the greater advance is in the so-called Hardy Climbers, which are not always surely hardy and which in the strict botanical sense never do climb.

The first "break" from the Prairie Queen and Crimson Rambler days came toward the larger-flowered, brighter-colored hybrids with *Rosa wichuraiana* and its progeny. It is now toward Climbing Roses that bloom more than once, and which I dislike to call improperly "everblooming." Let me interpose here that there is a demand upon Roses to do what we do not expect, and probably do not sincerely desire, to have our Forsythias, our Lilacs, our Spireas, Deutzias, and other woody plants do. We demand "everblooming" Roses, as if that grand June burst of beauty and joy were not enough.

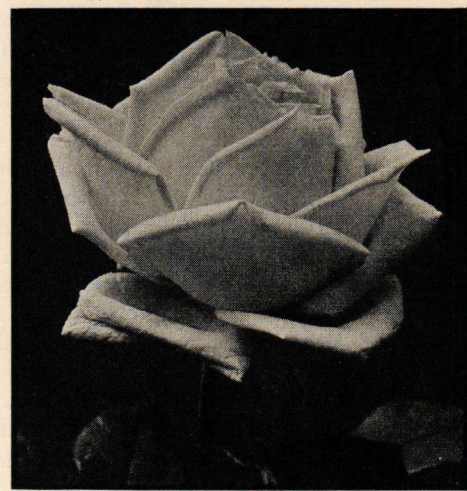
But Dame Nature is responding to our unreasonableness. From the first blooms of the lovely *Rosa ecae* in late April or early May to the last frost-resisting buds on many Hybrid Teas, the queen of flowers extends her sway over almost half the year. Any careful Rose lover may now have at



*The Large-flowering pale pink Climbing Rose Dr. W. Van Fleet marked a new step in progress on its arrival. It now comes in a "continuous" blooming form as New Dawn, as a pioneer of a new rose type*



*Edith Nellie Perkins, a lovely orange, yellow, and salmon-pink combination*



*Thomas A. Edison is a recent addition to Hybrid Teas in the pale pink tones*



least twenty weeks of beautiful bloom, and this itself constitutes a notable advance over the possibilities of a generation ago in the United States.

Let us just now consider the accommodatingly recurrent disposition of some of the newer hardy Climbers. The first plant patent has been granted to New Dawn, upon the claim that it is a constant-blooming Dr. W. Van Fleet. Curiously enough, I have heard of three other instances of recurrent Van Fleet bloom in the fall of 1931 on established plants, which gives rise to some speculation as to whether Dame Nature will have to answer to patent infringement suits!

I have likewise seen indubitable evidence that Paul's Scarlet Climber has adopted a recurrent-blooming disposition through hybridization with Gruss an Teplitz, and I am informed that plants to prove this claim will soon be in commerce.

THEN there is the dainty English lass, Phyllis Bide, giving us occasional pleasing flowers on new wood of the year, as does its older French sister, Ghislaine de Feligonde. I should not like to be without either.

And some of Captain George C. Thomas's many seedlings are fine recurrent bloomers in his Beverly Hills rose paradise, making one devoutly anxious that California spill over upon the waiting East this same quality. Just here I must sorrowfully admit and insist that the glory of Roses I saw in San Diego, San Jose, and Santa Barbara last April hesitated at the Sierras.

Many of the aggravating Climbing Hybrid Tea Roses that seem to spend their energy in growth rather than in bloom do give us an occasional fall bloom. But the new Australian immigrant, Scorcher, which has since 1928 been showing me in June the enormous scarlet-crimson blooms that justify its name, has now manifested a disposition to flower considerably in October on plants budded on Japanese multiflora, which introduces the hope (Continued on page 573)



*Bonnie Prince, a Pacific Coast creation, is a very hardy Climber; white faintly tinged with yellow*

*Kardinal Piffel, a European addition to the shrimp-pink yellow-tinged group*



*Scorcher, well named indeed, is a very welcome immigrant from Australia*

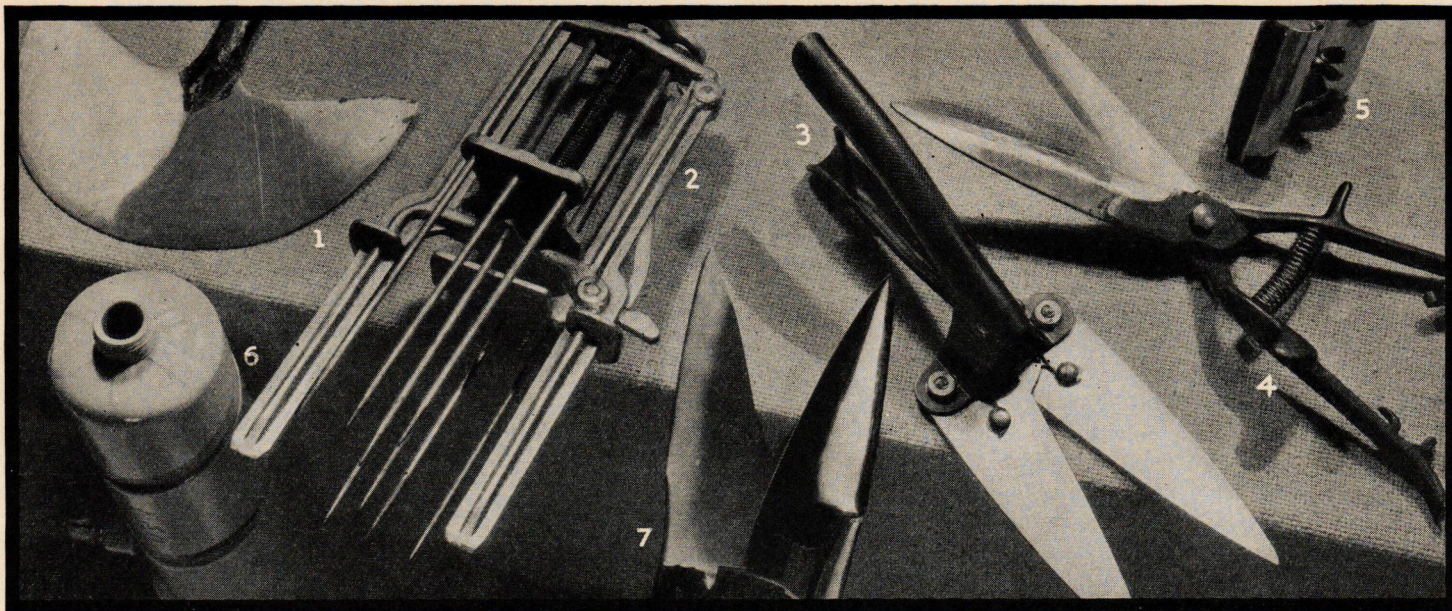


*Olympiad glows in fiery red, and is one of the newest comers among the Roses*

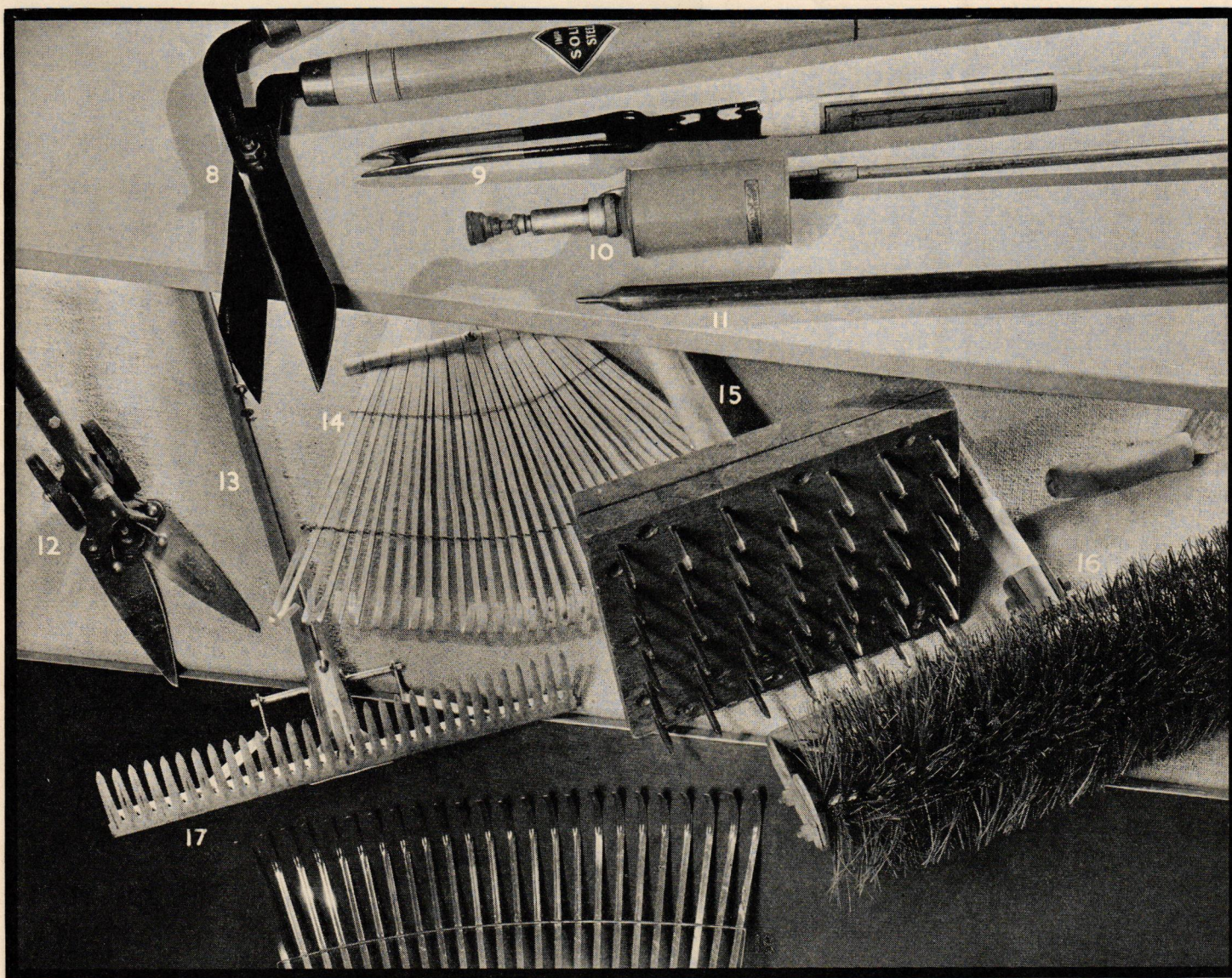


*Margaret McGredy also interests because of its novel shade of scarlet coloring*





## To Dress, Feed, and Weed the Lawn



Implements courtesy of Max Schling Seedsmen, and W. E. Marshall & Co.

Kepler

(1) Grass edger of forged steel. (2) Self setting mole trap; very little exposed above ground. (3) Wiss Klip grass cutter; down pressure handles with horizontal cut. (4) Grass shears with 7-inch blade, for trimming. (5) Handy sharpener for lawn mower blades; also useful for spades and hoes. (6) With the automatic Lawn-Vex attached in the hose line, you fertilize while watering.

(7) The tried and true sheep shears with blade, spring, and handle all one piece. (8) Border shears for trimming along walk edges, etc. (9, 10, 11) For eradicating Dandelions and other weeds. Out-U-Kum extracts by leverage. The Red Cat (10) has a poison reservoir, and in (11) the weed killer is contained in the hollow of the tube. (12) Doo Klip grass shears on wheels

with long handle. (13) Self cleaning Gem dandelion rake. (14) Lawn rake of flexible Chinese bamboo. (15) Sod perforator of heavy iron spikes which open way for fertilizer to filter to the roots; also aerates. (16) Roller brush of flexible whale-bone well designed to disturb the peacefulness of ant hills. (17) Steel lawn comb patterned similarly to the Chinese bamboo rake, equally flexible



# SUCCESSING with Succession



by ROMAIN B. WARE

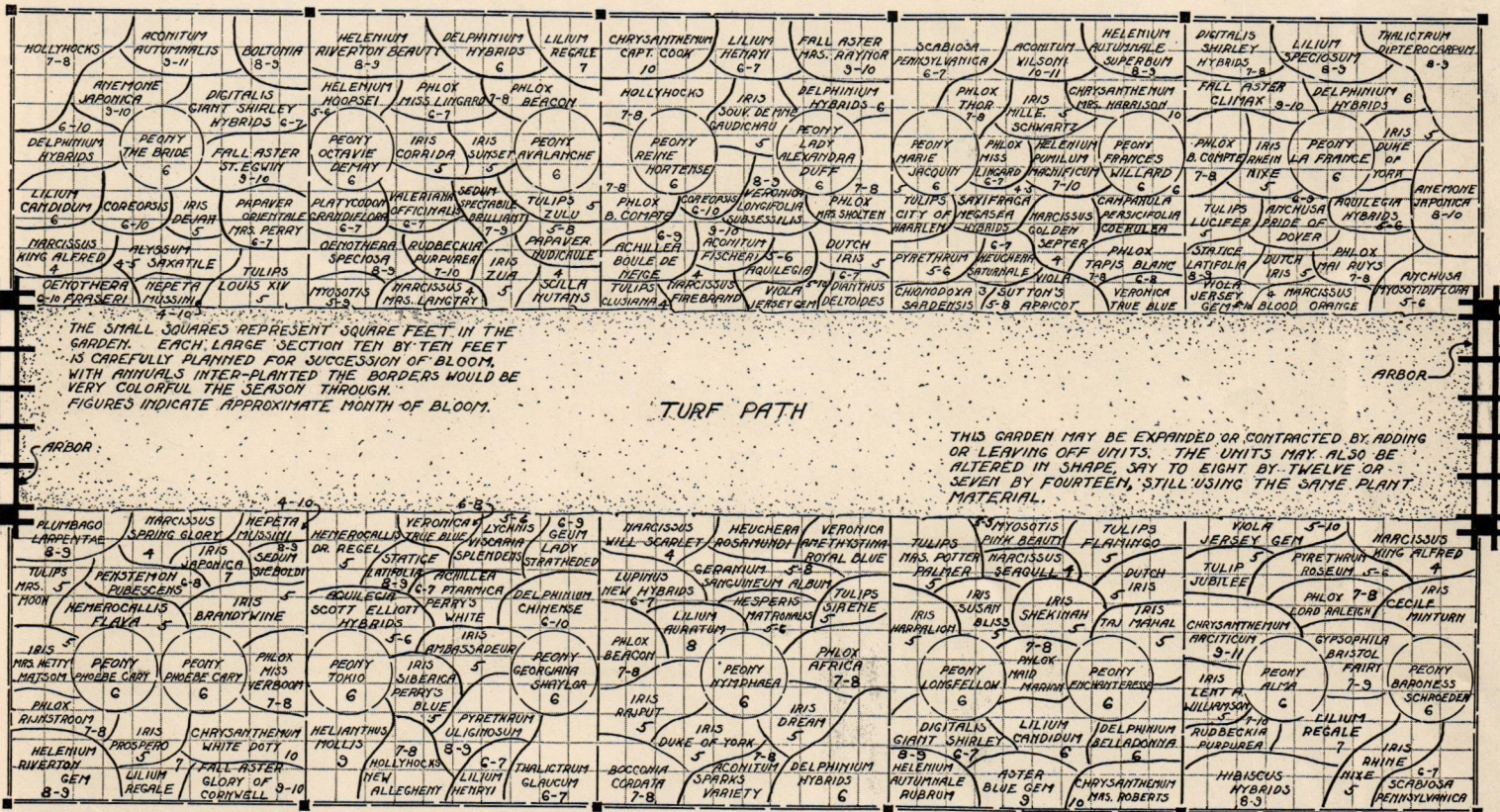
A SUCCESSFUL garden is made much as the old-fashioned cook concocted her delectable dishes—just a little of this and a little of that with a dash of something else. Repeated tasting secured the desired results. Gardens are made much the same way, each year seeing something new added, something different tried. There are no defined limitations in gardening, and no two gardeners build the same way. It is important, however, that certain rules and general principles be followed.

Continuous color throughout the length and breadth of the border is the dream and ambition of all gardeners. Few of us enjoy such extensive acreage that separate gardens may be planted for individual seasons. Continuous color, with a large majority of plants remaining in bloom but a few weeks, is not so easy. Plan as we will, occasional blank spaces seem inevitable. Peonies, for example, provide gorgeous masses of color for a few weeks; but, with each plant occupying a large space, there is a long season without color unless special plans are made. And right there is the secret of continuous bloom, planning definite successions throughout the various sections of the garden.

It may take many years' study and experimentation to attain the perfection you long for, but if you will study each

section separately you can eventually succeed. Many factors must be considered in working out plans, one of the most important being a good knowledge of plant material. This must come gradually by experiment and experience. Year by year you will learn more of the habits and needs of the numerous species. And as you become familiar with varieties they may be worked into your schemes. This is something you cannot learn from books, nor by being told, though reading on garden subjects is most important. Each individual section of the border must be studied and worked with through many seasons.

A NARROW border, say less than five feet wide, will be found more difficult than wider ones. Seven to ten feet is ideal. Narrow borders do not allow for enough varieties to keep up the display, nor is it possible to plant sufficiently large masses in a narrow space. Of course, it is unwise to make the masses of any single variety very large at any time. Large groups are ideal when in bloom but afterwards they leave equally large areas that are devoid of color and this is the very thing we are seeking to avoid. A border containing too many (Continued on page 376)





# Making the new LAWN

by H. A. HUSCHKE

THE lawn is literally the setting on which is painted a picture—not in paints but with plants and structures. Without a good lawn much of the effectiveness of the other parts—trees, shrubs, flowers—is lost. Yet there are far too few well-kept lawns.

Now in lawn making as in many other tasks “a good start is half the journey.” Careful attention to three steps represents the “good start.” Briefly: (1) proper grading and drainage; (2) thorough seedbed preparation; (3) good seed. To slight any one of these is likely to mean an unsatisfactory finished product, ruining the desired effect.

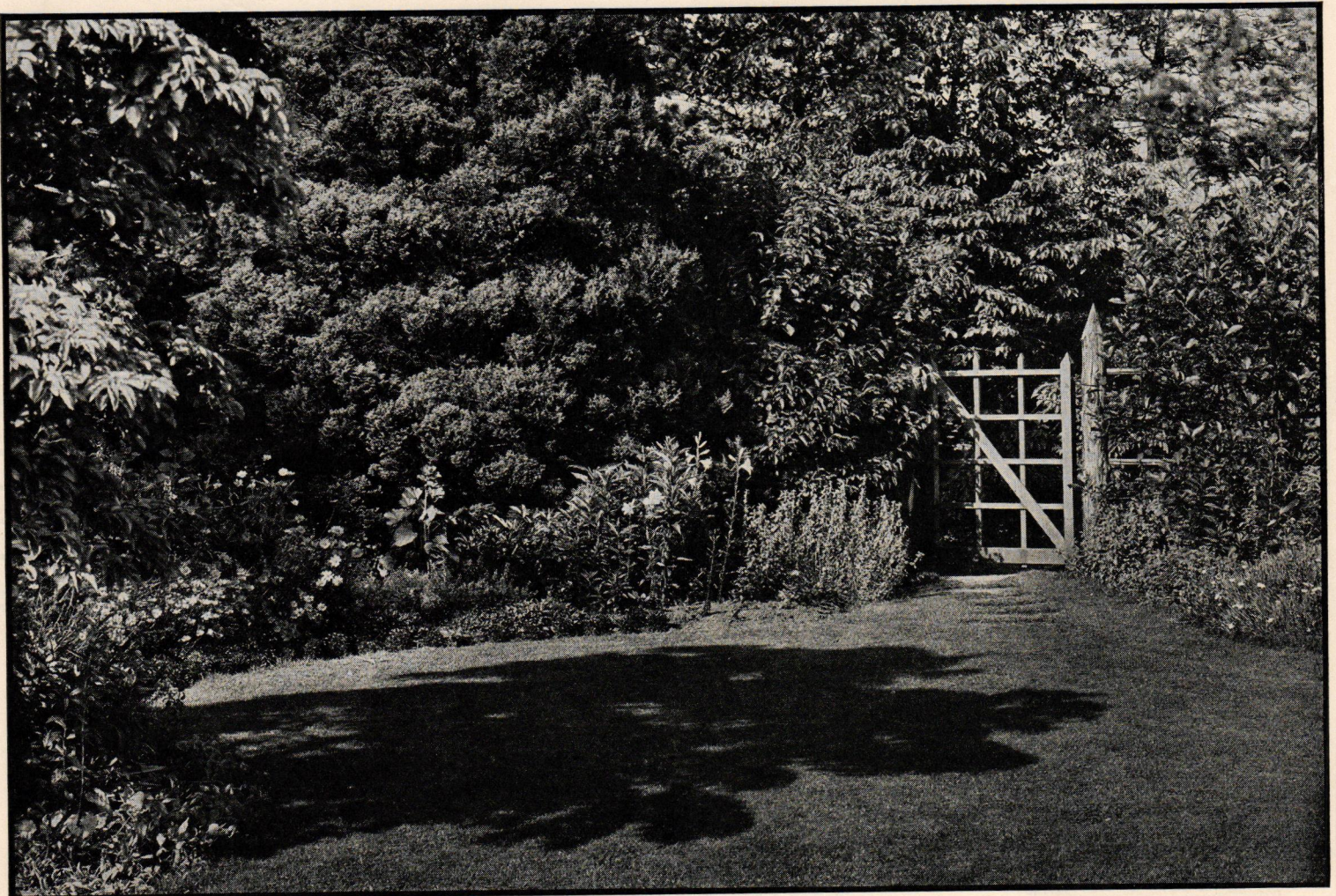
In grading for a lawn, avoid steep slopes and terraces. The very apparent reason for this is that the water drains too readily from steep inclines, and more often than not the grass struggles along in a rather unthrifty state. Besides, it is not usually considered fun to push a lawn mower up, down, or alongside of terrain which has a pitch similar to the roof of an English cottage. On the other hand, a gentle slope is most desirable, to provide the normal drainage necessary. If the ground be level and the soil of a type which will not drain freely, provide underground tile drainage. Low spots and hollows should be filled in when grading for a lawn.

After the rough grading is done the next step is the preparation of the seedbed. Remember that the lawn is a permanent crop and so much depends on the seedbed that it is almost impossible to overemphasize the need for care and attention to the several details at this stage of the preparations.

One of the most common and fatal mistakes is to sow the seed in soil which is unfit for any crop, let alone grass seed. Many times, in excavating for the cellar, the subsoil is piled on top. Later, in grading, this unfertile soil is distributed about on top of the lawn without any regard to its incapacities. The best procedure is to separate the topsoil from the subsoil as the cellar is being dug.

The subsoil can then be used to fill in the low spots and the topsoil should be put on top. If not (Continued on page 378)

*A good grass lawn constitutes at least one half of the interest and appeal of a garden view. A corner of a real Bluegrass lawn in our American Home trial grounds*





# Garden Fragrance

*from shrubs*

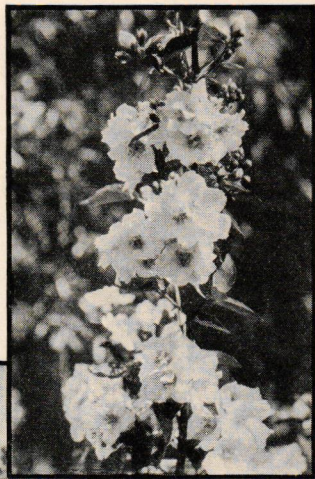
by ROBERT T. VAN TRESS

NO REASON at all why the shrubbery should not be deliberately planted with some regard to the fragrance of flower or foliage. Who does not remember the sweet-scented Mockorange, or the fragrant Lilacs in grandmother's garden, and how often are pleasant memories awakened by a sudden whiff of some forgotten shrub?

The Sweetshrub or Carolina Allspice (Calycan-

*Flowering before others of its kind Father Hugo's Rose, single, golden yellow in wreathing branches is welcome to the shrub border (right)*

*Caucasian Daphne, a fairly new comer to our garden, is taller than the well-known Garland-flower, having equally fragrant white flowers in spring (below)*



*An up-to-date improvement over the old-time Mockorange with more and larger semi-double flowers is Bouquet Blanc (top)*

*Garlandflower, low growing bright pink, strongly fragrant and flowering almost continuously; but none the less somewhat tricky as to soil (above)*



thus floridus), while a native of the Southern states, is quite hardy northward. The purplish brown or reddish brown flowers have a peculiar but delicious perfume. It is an upright, spreading shrub, four to five feet in height, which delights in a rich, moist soil in a partially shaded and sheltered situation, where its perfume seems all the more appropriate. Flowers, leaves, and wood participate; the branches exhaling a camphor-like odor, and the bark is said to have been used as a substitute for cinnamon in former years. Although the flowers are not produced abundantly, the Sweetshrub is long lived and comparatively free from insect pests and diseases.

Another native is the Summersweet or Sweet Pepperbush (Clethra alnifolia), abundant in swamps, woodlands, and moist places, the sweet smelling spikes of bloom are borne in great profusion, during July and continue until September. The flowers too are full of a sweet nectar sought after by bees. This is a particularly good plant for naturalistic gardening, and is most effectively used in clumps along the bank of a stream. It prefers moist, sandy, or peaty soil and partial shade.



The Sweetfern (*Comptonia*) is an exceedingly hardy, graceful little shrub but seldom seen in cultivation. The flowers are inconspicuous, but the small fernlike leaves are aromatic, and give off a pungent odor when crushed. Grows two to three feet in height and will thrive in a soil so sterile that nothing else will thrive but has a preference for peat or sand. It would be useful for low hedges if carefully pruned and the suckers removed from the base.

Bigflower Broom (*Cytisus supinus*), as well as other members of this genus, such as *C. nigricans*, *C. hirsutus*, or *C. spachianus*, bears terminal clusters of fragrant yellow flowers in July. It is a bushy plant with downy, yellow-green leaves, two to three feet in height, the pale yellow flowers of which are an inch in diameter. The other species mentioned have golden yellow flowers. The Brooms kill back to the ground during the winter in the North (and near Chicago) but come up as vigorously as ever in the spring. They are of exceptional merit in the foreground of the shrubbery border, blooming at a time when few other low shrubs are in flower.

An evergreen dwarf shrub of great beauty, by some considered the most charming plant in cultivation, is Rose Daphne or Garlandflower (*Daphne cneorum*) native of the mountains of Switzerland, growing naturally in moist soils and sheltered situations. The terminal heads of pure deep pink, intensely fragrant blossoms are borne in May and again in September, and form a splendid contrast with the dark green, lustrous leaves. The Garlandflower has strong likes and dislikes, thriving well in some gardens and a complete failure in others. The best situation is a well-drained peaty or sandy alkaline soil in full sun. It is adapted for the rock garden or as an edging shrub for evergreens in a foundation planting. It survives the Northern winters best if given only a light covering of straw, allowing the air to circulate freely, yet protecting it from the winter sun.

A PERFECTLY hardy species is its near relative *Daphne caucasica*, still rare in cultivation. This is an upright shrub four to six feet high, blooming profusely in May with beautiful, white fragrant flowers. The leaves are one to one and one half inches long, bright green, smooth, and appear to be disease resistant. This surely will be a popular shrub when it is better known.

A large shrub suitable as a background to shrubbery borders or as a specimen plant is the Russian Olive (*Elaeagnus angustifolia*), treelike in its proportions, attaining a height of fifteen to twenty feet and hardy in the coldest regions. With its leaves which are light green above and silvery below, silvery branches, and yellowish fruit covered with silvery scales, it is a striking object in the landscape. The flowers, although tiny, possess an exquisite

fragrance, and are produced in June. Even more silvery in appearance is Silverberry (*Elaeagnus argentea*), growing to a height of six to twelve feet, with brown branches and fragrant silvery flowers. Two other species worthy of mention for the attractive red fruits are *E. longipes* and *E. umbellata*, the fruit of the latter being edible.

Among this group of sweet-scented shrubs the earliest to bloom is Fragrant Bush-honeysuckle (*Lonicera fragrantissima*). For a shrub of medium height, four to six feet, it cannot be surpassed by any species for general usefulness, being a semi-evergreen holding foliage far into the winter. Although the creamy white flowers are small, they fill the air with delicious perfume during March and April. It is not particular as to soils, but prefers a sunny situation. The bright red fruits in June are an added attraction for this versatile shrub. Any shrub of this kind that holds its leaves late in the fall should be transplanted in the spring before it leafs out.



The new French hybrid Mockoranges surpass the old dooryard kind in great profusion of large sized bloom. *Albatre*, above, is typical of the group

ANOTHER Bush-honeysuckle of equal value in the shrubbery border and also especially suited for specimen planting is the Amur Honeysuckle (*Lonicera maackii*), a large, treelike shrub with spreading branches rapidly growing twelve to fifteen feet high. In June the bush is covered with large, white, fragrant flowers to be followed by brilliant red fruits in September, making a beautiful contrast with the green leaves. I consider this one of the most ornamental fruit-bearing shrubs for autumn decoration.

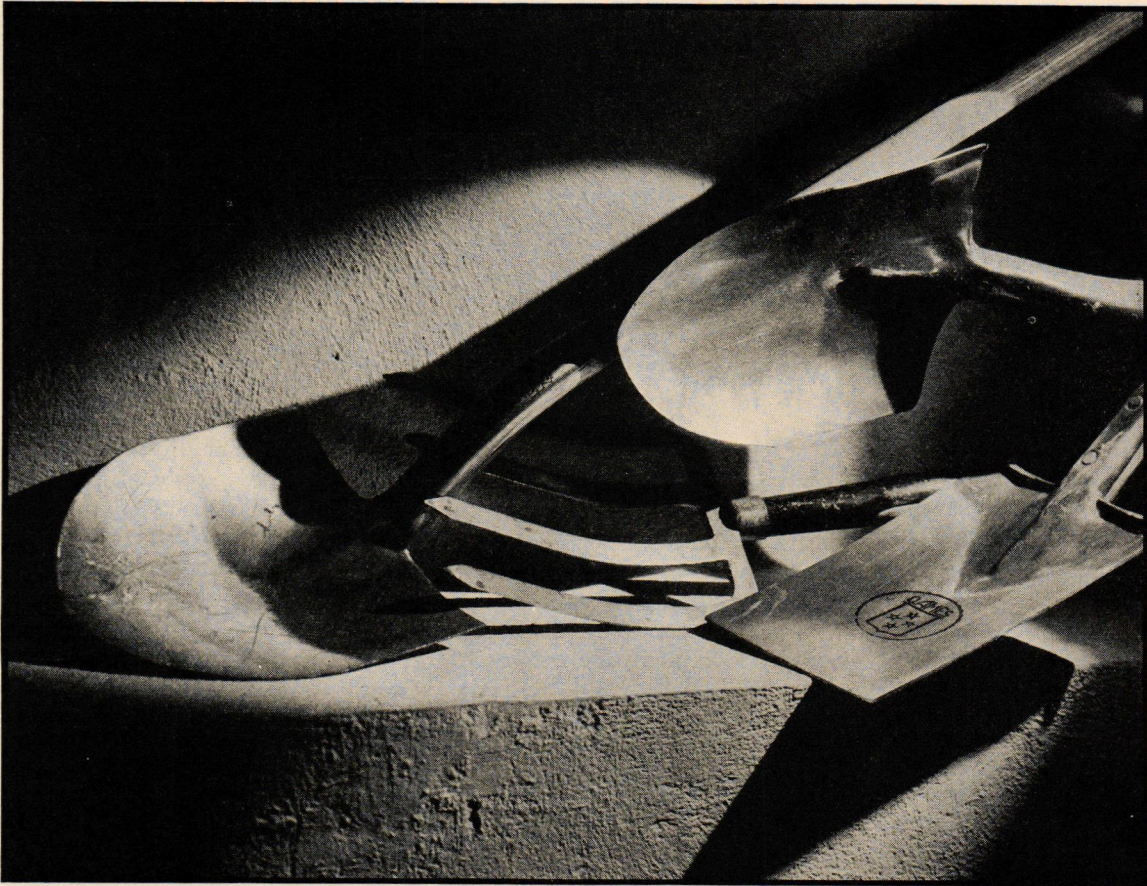
Mockorange (*Philadelphus coronarius*), long well known, was one of the first woody plants brought to this country, and though surpassed in profusion of bloom by the newer sorts, it is still unsurpassed in fragrance of flowers and beauty of foliage. From eight to ten feet tall, it spreads at maturity like the head of an Elm. It is early in leaf; the foliage is luxuriant and breaks into fine masses. The white, single blossoms appear in June and are about the size of an apple blossom.

The great French hybridist, Lemoine, by crossing *P. microphyllus* with *P. coronarius*, introduced a noteworthy hybrid (*P. lemoinei*), of different habit, having slender twigs and smaller leaves. The blossoms, while retaining the fragrance of their parents, are produced in greater abundance. In this group will be found the large flowered popular shrubs of to-day—Avalanche, Girandole, Candelabre, Mont Blanc.

By crossing *P. lemoinei* with other species and hybrids Lemoine further produced a wonderful array of horticultural varieties of Mockorange. A few of the best of these are *Albatre*, *Argentine*, *Atlas*, *Bouquet Blanc*, *Glacier*, *Virginal*.

One of the best plants to connect the larger shrubs with the lawn area is the Fragrant Sumac (Continued on page 363)

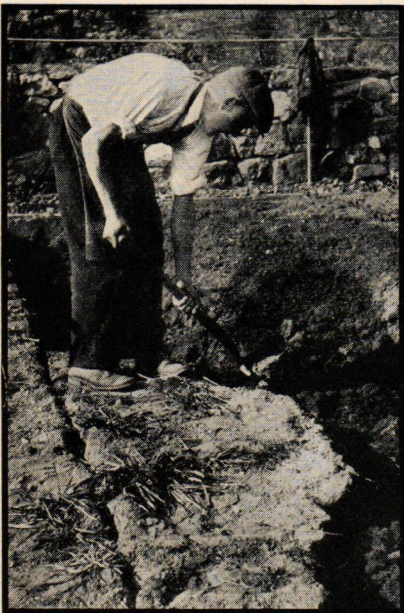




Kepler

Use the spading fork or the square-ended spade for real digging (lower right, above). On light soils the fork is efficient but use the spade on a heavy soil. Use long- or short-handled shovels for lifting and scooping cultivated soils after thorough digging (Keen Cutter long-handled shovel and digging fork; Ames spade and short-handled shovel)

# Dividends from Digging



About one third of the garden should be thoroughly dug over and fed each year by one of the methods described. This assures good crops in drought

by T. H. EVERETT

A STORY is told of an old man who on his deathbed advised his sons that a hidden treasure lay buried in his vineyard, and urged them to go forth and dig until it was uncovered. After the old man had passed away the sons did as he bid them, expecting to find a hoard of gold and precious stones. They dug diligently, turning over and carefully examining every particle of soil to a great depth, but without result, and finally they gave up the task not a little disgruntled and blaming their father for his eccentricity. The following season the vines bore immense crops of fruit and then the sons recognized the treasure which was the promised reward.

This is indeed a story having a worth while moral, for proper preparation of the soil by deep digging is the very

foundation of successful gardening. A thoroughly prepared soil of good depth will give good returns with comparatively little manure or fertilizer, a shallowly worked soil is quite incapable of producing its best even if supplied with large quantities of plant foods.

Deep digging admits air to a greater depth and encourages the roots to go down in search of moisture and food materials. This is of particular importance in times of drought when it will be observed that crops on well-prepared land come smiling through, while the others accorded less favorable treatment in this respect are exhibiting unmistakable signs of distress. By following an approved system of digging the soil is gradually deepened and enriched because the effects are cumulative.

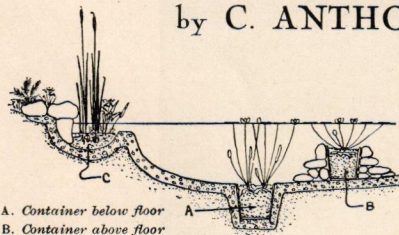
For clean work a spade is usually the most effective tool to use, although occasionally on stiff (Continued on page 380)



# Water Gardens

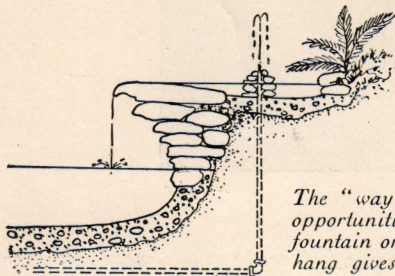
## *in the making*

by C. ANTHONY VAN KAMMEN

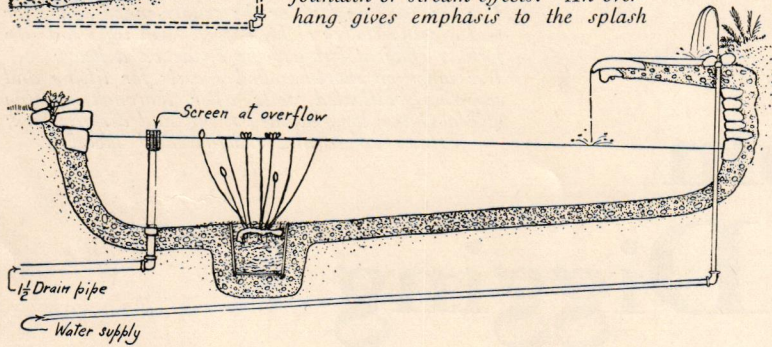


A. Container below floor  
B. Container above floor  
C. Pocket for aquatic plants

*Make convenient pockets as construction starts with marginal wells for swamp and marsh plants*



*The "way in" for the water offers opportunities for ingenious devices in fountain or stream effects. An overhang gives emphasis to the splash*



*The perfect plan, which, of course is quite essential for a large water garden, provides for waste and drain as well as supply; but small pools may be fed by the hose as needed, and emptied by baling*

UNLIKE the flower bed a water garden when once constructed needs very little attention. There are no weeds to remove and no cultivating to do. Nor need one worry about lack of rain. After the roots are placed and the water level has been attained, nothing is required beyond replacing what water may evaporate. A few fish in the pool will help to keep the water fresh and free from mosquito larvae, and a frog or two will give additional life to the pond. Some people object

to the frogs with fish because they eat the fish spawn, but I consider the pool primarily a water garden where the raising of fish is secondary. When draining the pool, for winter, besides removing the nine original gold fish, I seined out sixty-four additional small ones, despite the presence of the frogs.

Any one having mechanical ability, and who is not afraid of a little hard work, may construct a very attractive water garden at small cost. The larger the pool, of course, the greater the expense, as more materials are needed. The entire cost of my own water garden including screened sand, gravel, water supply and drain pipe, and cement was less than forty dollars. All labor was done by myself and another member of the family. A similar water garden built by a landscape contractor would have cost four times as much.

Where running water is available several pools of varied levels make an effective water garden, especially if located on a sloping lot. The source of water supply may be hidden, giving the effect of a bubbling spring, or it may spurt upward like a tiny fountain. But though the water has the appearance of a stream or spring the pools should really have very little current in them. Waterlilies thrive best in well-sunned, quiet, shallow ponds.

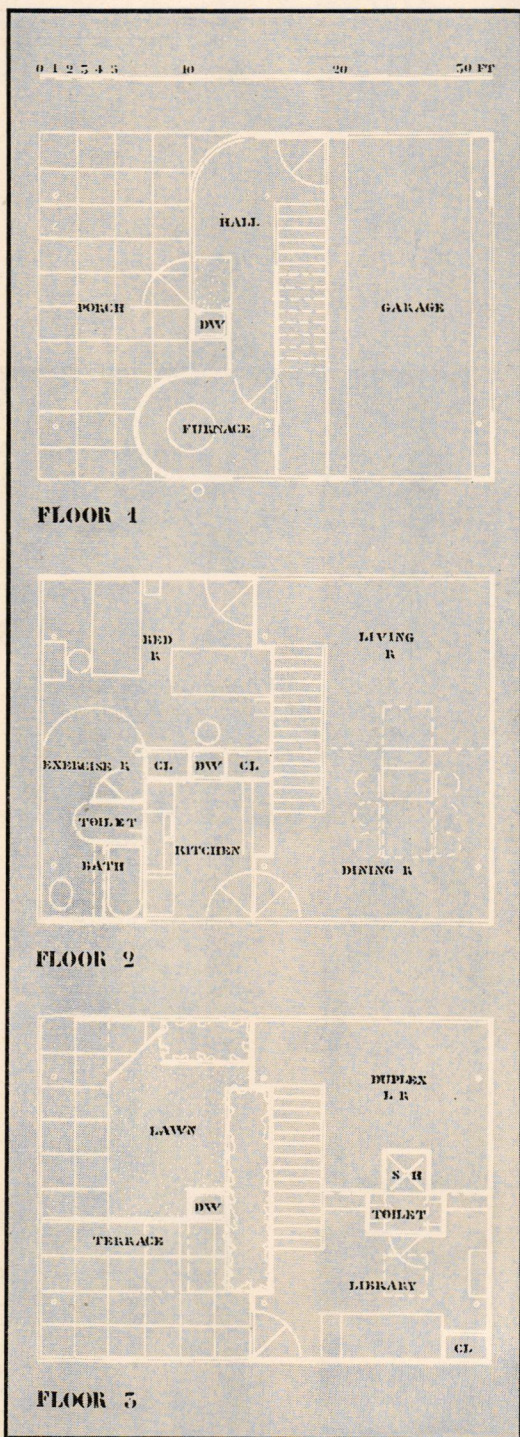
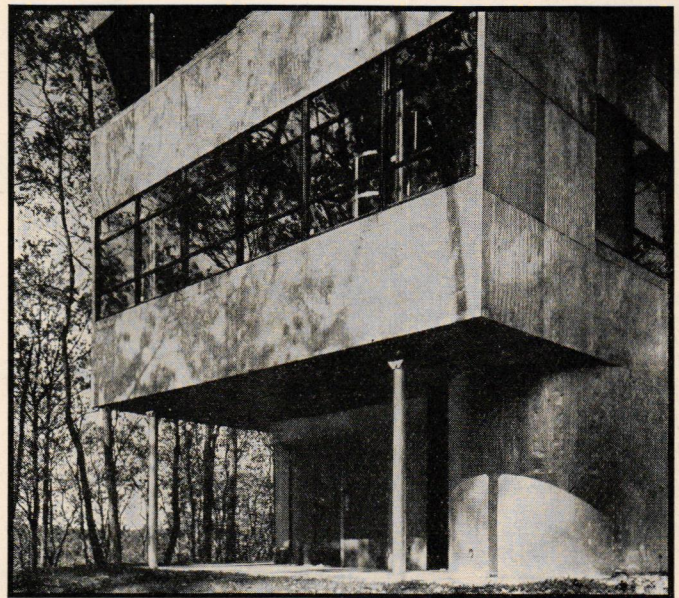
The sound of water trickling over a rock ledge to the surface of the pond a few feet below is pleasing, and may be attained by constructing a rock garden at the further end of the pond with a wall overhanging (Continued on page 372)





# Modern

At the President's Conference on Home Building there was much interest in modernistic architecture. Some of the delegates believed that the modern style, using new materials and new methods of building, would be useful in developing and building the \$5,000 houses for which there is so much demand. For this reason we are especially glad to publish a modern house, costing \$5,000, that has actually been built. A. Lawrence Kocher and Albert Frey were the architects and the house has been built at Syosset, Long Island, N. Y. The design aims "to give better light and air with mechanical conveniences and efficiency of arrangement that are unheard of features of the average suburban dwelling." The cost of building this house would probably be \$4,000 to \$5,000 anywhere in the United States



The outside walls are faced with aluminum sheets slightly ribbed to overcome glare and to allow for expansion and contraction. Behind the aluminum is enough insulation to make this 3-inch wall as weatherproof as the usual heavy masonry one. The walls are not used for support but are hung from cantilever beams which project from six slender metal columns, shown in the floor plans. The ground floor serves for entrance, hallway, heater room, and garage. There is also a first-floor porch as shown in the photographs above. One may enter the house through the front door or the garage. The living room is two stories in height and one end is made up of windows 17 feet

high extending from floor to ceiling. The dining room, which connects with the living room and is, in fact, part of it, is only one story high. Over the dining room end of the living room is a library which might be used as a bedroom. A lavatory and shower bath are attached to it. The main bedroom is separated from an exercise room and bathroom by a folding partition. The outside wall of this suite of rooms is entirely of glass and when the partition is folded the wall becomes a single window 22 feet in length. The partly covered terrace with a bit of lawn and some shrubbery is placed over the bedroom and bath. The dumb-waiter, marked DW, runs through the three floors

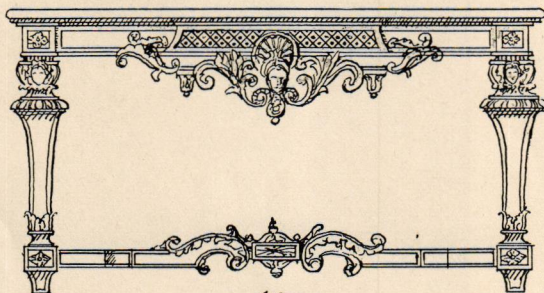
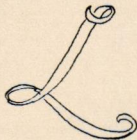
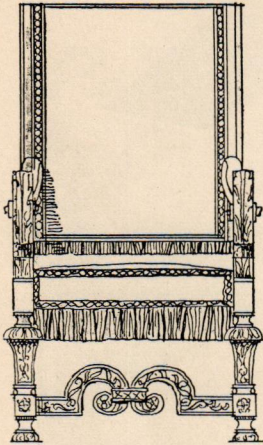


# A Course in Furniture

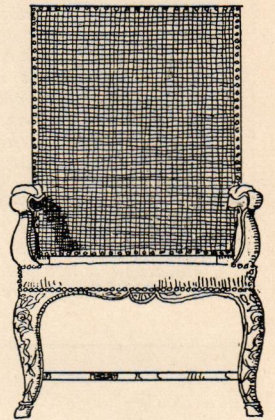
## XII. The Furniture of the Three Louis

The furniture of Louis XIV was superb, massive, and expensive, and was most appropriate for use in the vast architectural settings of the day. There were three periods in the reign of Louis XIV. The first period shows a strong Italian influence, due to the patronage of Cardinal Mazarin; the second was ruled by the taste of the young king recently come into his full power; and the third is symbolic of the gorgeous extravagance of a sovereign who could say, "L'Etat, c'est Moi"

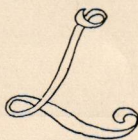
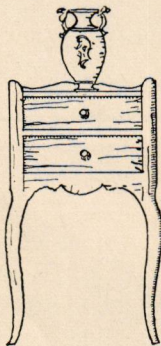
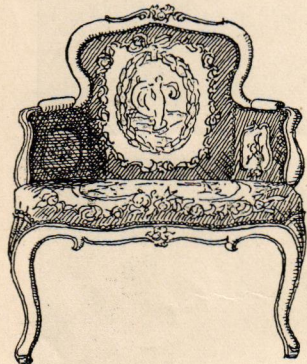
The progressive change in the blending of the Louis XIV style with that of Louis XV showed in the transformation of vast galleries and chambers which gave the impression of cold grandeur into cosy, intimate, well-warmed rooms in which life could be really enjoyed. The furniture, to keep pace with this development, became smaller in scale and more comfortable in construction. In the height of the Louis XV period it showed unequalled ornateness and elaboration



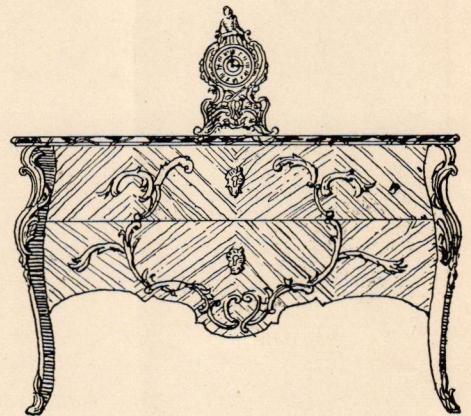
XIV



Drawings by LURELLE GUILD

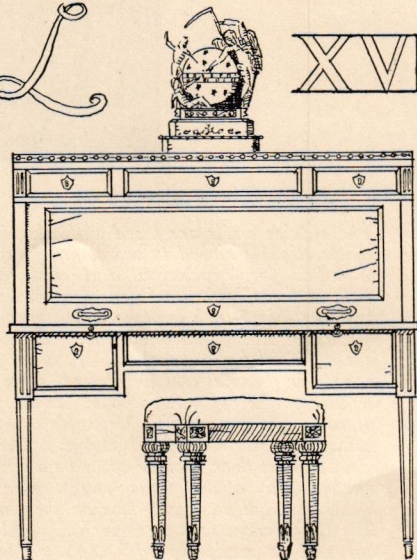
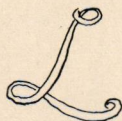
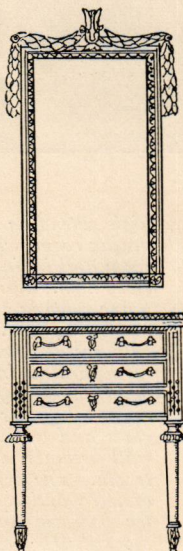


XV

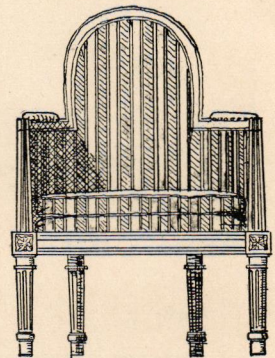
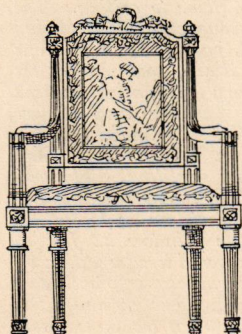
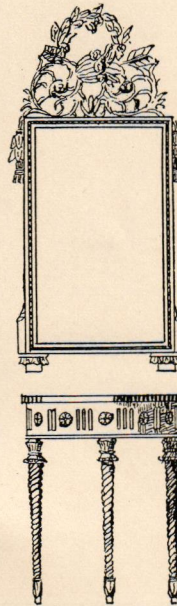


The furniture of Louis XVI returned to austerity in line and shape, and rectangular bodies with straight lines and right angles in legs and ornament appeared. This period was one of elegance, and is the one usually chosen in which to develop a typically French interior in a modern house or apartment. We recognize classic models from Greece and Rome, whose designs have been modified to appear as characteristic elements in this austere beautiful period of cabinet making

The Louis XVI pieces give an impression of grace and charm since their proportions are well studied, and the ornamentation adds just the necessary amount of richness. The bronze ornaments are delicately wrought; in fact all the characteristic metal decoration was treated like goldsmith's work, and included classic motifs like baskets of fruit or flowers; lovers' emblems; branches of oak, ivy, and laurel; knots of ribbons; and all the symbols of war, music, and the pastoral life



XVI



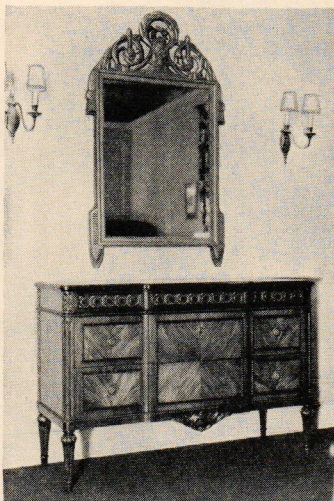
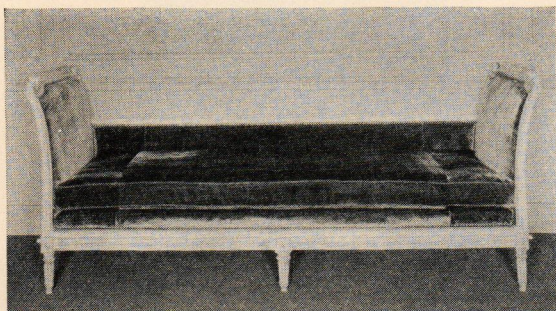


THE furniture of Louis XIV was a typical product of the magnificence of his long reign. The earlier examples were fairly simple with graceful curves and straight lines in harmonious proportions. Many of the cabinets and *garde-robes* had the well-proportioned panels with charming moldings which are associated with this period. As the passion of the king for sumptuousness increased, the cabinet making, like its attendant arts, became more ornate and florid. Under royal patronage the palace of Versailles was built, the factory at Gobelins turned out wonderful tapestries, Boulle, the famous cabinetmaker of the Louvre, combined brass and tortoise shell with ebony in his extravagant pieces, while the silversmiths wrought furniture and *jardinières* for orange trees from solid silver. Architecture, furniture, and life itself was on the grand scale during the reign of the Grand Monarque.

The style of Louis XV blended with that of the Louis XIV period so imperceptibly that there is practically no line of demarcation between them, but gradually the scale of the furniture was modified to suit the architectural changes, and the bureaux, commodes, and easy chairs adopted more languid flowing curves, and richer detail. The vast halls of Louis XIV became the intimate cosy salons, boudoirs, and little writing rooms of Louis XV, and in them the wits and beauties of the day held their gay soirées, or intimate conversations. Chairs and tables became light that they might be moved about easily, ottomans, *lits de repos*, and *chaise longues* were given springs and softly cushioned with rich silks and velvets, while the wide-seated armchairs with set back arms accommodated the spreading brocades and hoops of the women of fashion.

DURING Louis XVI's reign furniture underwent a radical change, and the graceful curves disappeared in the rage for the classic which swept the civilized world. The ornate rococo gave way to a more restrained type with turned and fluted legs, and rectilinear bodies. Mahogany appeared in cabinet making, being imported from the Antilles, and Marie Antoinette used it for the parquet floor of her boudoir at Fontainebleau. There was much use of inlays, in wood, brass, bronze, and porcelain. Designers specialized in beautiful chairs, and in a great variety of incidental tables, including the *tricoteuse*, or knitting table, the *table à fleur*, and the charming small writing tables which often figured in pictures and prints of the era. The furniture of Louis XVI has a delicacy and individuality which has provided inspiration for generations of cabinetmakers even to the present day.

*A low, well-cushioned day-bed, with a unique back rest has fine proportions and lines distinctive of its Louis XVI period. (Jacques Bodart)*

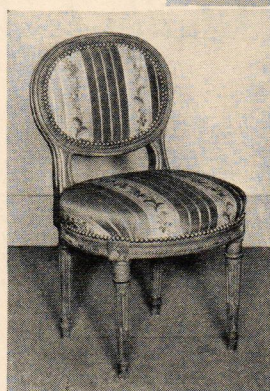


*This commode, copied from a Louis XVI original, is enhanced by the mirror of the same period above it. (Stern Bros.)*

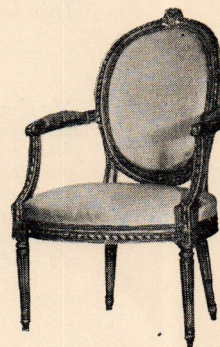
*Right: Commode with ornate hardware, a Louis XIV reproduction. (Jacques Bodart)*



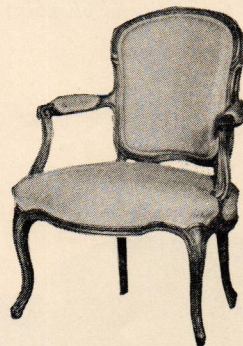
*The painted frame of this Louis XV lit de repos has the graceful curves typical of the best pieces of the time. It is covered in antique damask. (Belmison, John Wanamaker)*



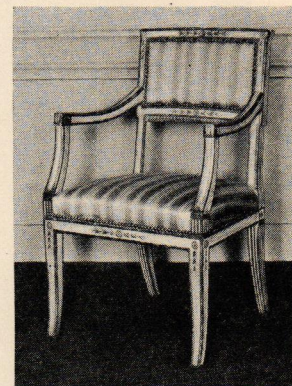
*The straight fluted legs and striped brocade upholstery are characteristics of the charming Louis XVI period in cabinet making. (Jacques Bodart)*



*The beautiful proportions and delicate details of this Louis XVI armchair are triumphs of the cabinet making art. (Cassard Romano)*



*The lines of this Louis XV armchair express style to a preëminent degree. (Cassard Romano)*



*A gay painted Louis XVI occasional chair suggests the amiable gallantries of those carefree days. (Jacques Bodart)*



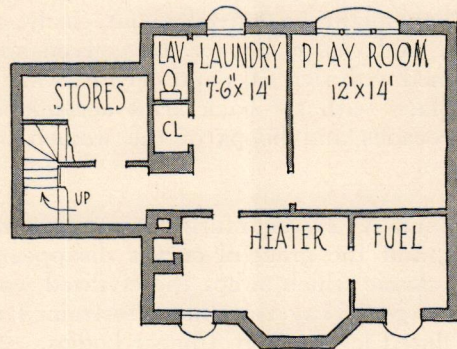
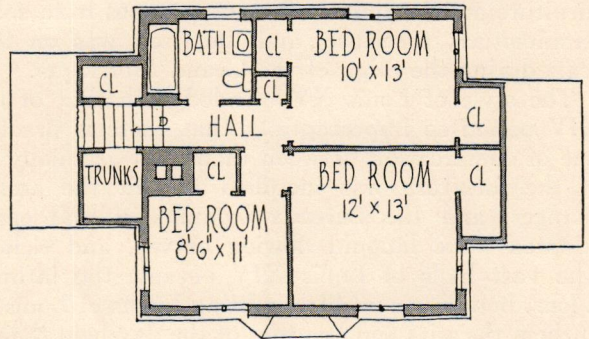
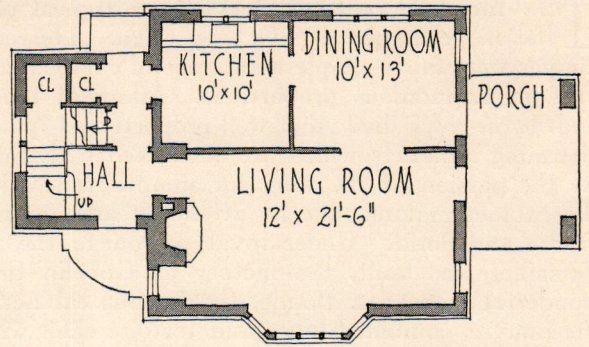


# HALF TIMBER HOUSE

*From OUILLY-LE-VICOMTE*

*This attractive Normandy cottage designed for us by Jefferson M. Hamilton is modeled on an old farmhouse at OUILLY-LE-VICOMTE. Not only is it beautiful and unusual but it is most compactly planned, containing only 20,100 cubic feet which at 40 cents a cubic foot would make it cost \$8,040 to build. This is a very reasonable figure for six rooms and a fully developed cellar.*

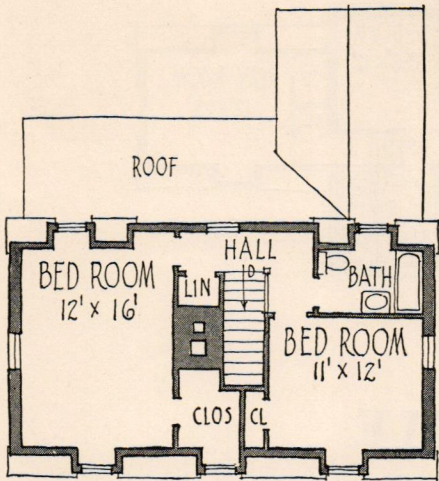
*The floor plans demonstrate graphically how every bit of space has been utilized. The stairway between the first and second floors has been worked in under the sloping roof on one side and closets are built under the sloping roof over the porch on the other side. The stair hall affords convenient access from the front door to the second floor or from the kitchen to the front door or bedrooms. The three bedrooms are corner rooms and are well lighted. The bath is centrally located and is placed over the kitchen to simplify the plumbing requirements.*



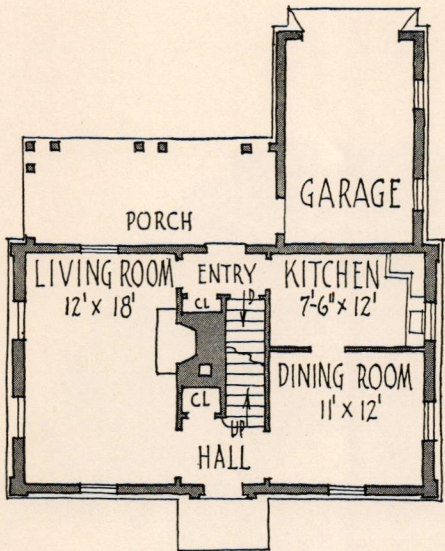


# AN AMERICAN FAVORITE

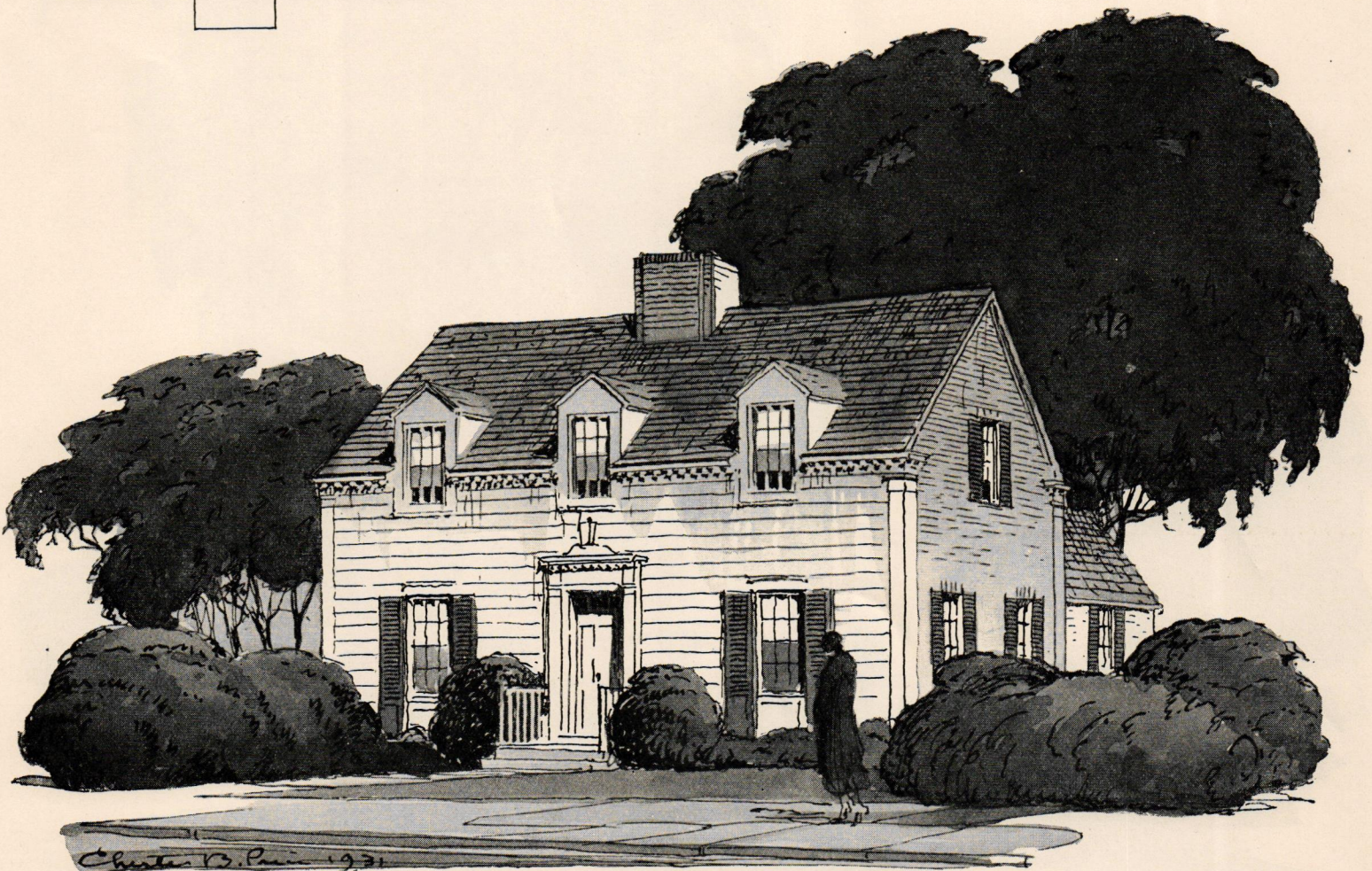
*Which costs about \$6,000*



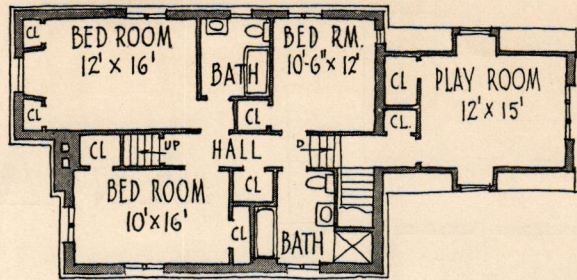
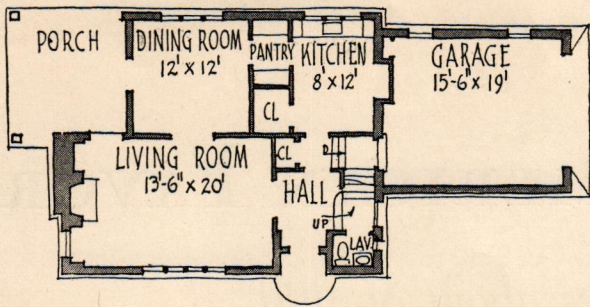
*As in the Late Colonial houses of New England the ends of this house are of brick while the front and rear walls are of clapboards. Richard S. McCaffery designed it and estimates the cubical contents at 17,650 cubic feet. At 35 cents a cubic foot, which is the probable cost of this type of construction in most parts of the country, the house would cost \$6,177 to build*



*Mr. McCaffery secured an estimate on the cost of building this house from a reputable builder near New York somewhat over a year ago. At that time, and including landscaping, survey, permit, driveway and walks, electric fixtures, gas range, oil burner, and slate roof, the building price was estimated to be \$8,780. But prices are lower now and prices in other parts of the country are always lower than near New York. The color scheme for this little house could be Colonial yellow, or the more usual white with green shutters and the brick ends may be either painted or not*







## AN ENGLISH HOME

Costing less than \$12,000

*The interesting perspective assumed by the artist in picturing this beautiful English house designed by G. Dewey Swan makes it seem rather larger than it is. It contains only 29,500 cubic feet, including a basement under the main body of the house, and at 40 cents a cubic foot would cost \$11,800 to build. Mr. Swan suggests that black slate, or a shingle tile of subdued colorings in dark reds and soft browns, be used for the roof. These tiles look like heavy shingles and are manufactured with a "weathered" surface that enhances the beauty of the house. The stucco walls are white and the timbers over the doors and windows are left to weather a silvery brown. The garage wing is at a slightly lower level and the playroom over the garage could be made into a room and bath.*





# My Favorite Salads

*Crisp, piquant, and pleasing to the palate*

*Mrs. Alice Foote MacDougall, whose photograph in her own kitchen is shown at the right, is justly celebrated throughout the country for the famous restaurants which she created in New York City, and the excellence of the food served in them. Recipes for her favorite salads should be of great practical interest to all who have to plan daily menus in the home.*

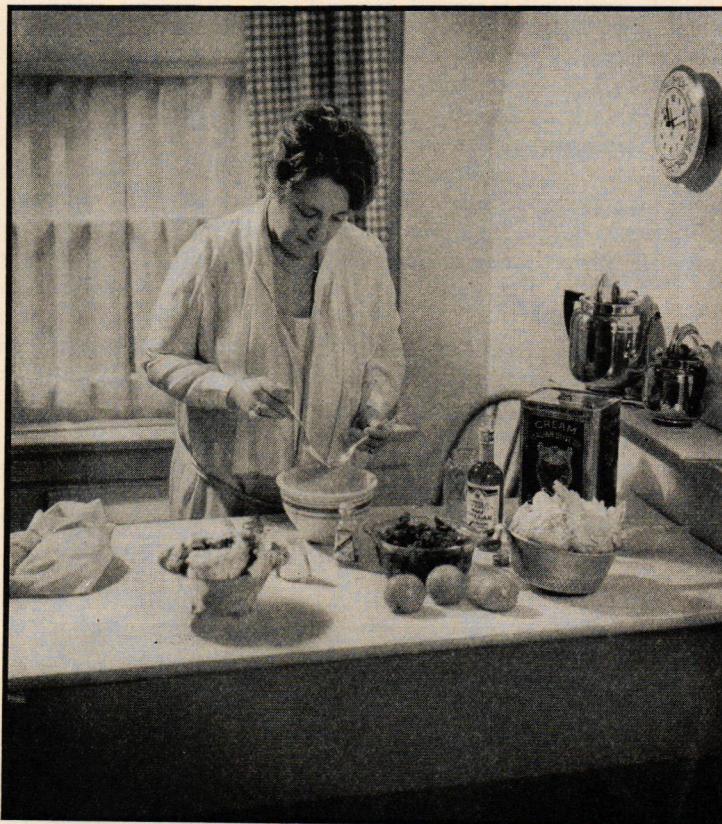
by ALICE FOOTE MACDOUGALL

ANDRÉ MAUROIS perhaps is correct when he says that the American salad is a "culinary heresy." He is speaking of our fruit salads, an almost unheard of thing in Europe—that land of soups and salads—and yet how we long for them when traveling abroad. To me no more soothing balm of any kind equals that of our cooling, delicious fruit salad on a hot day in summer. Still, he may be right. My first dream of salad came in terms of Italy and the Italian peasant women who used to dig up dandelions in Central Park early in the spring.

A thrilling moment it was for me when these gayly dressed Italian women first dawned on my view, a blessed relief from the dull hours of a long drive to my grandfather's country place, now in the heart of New York City, but then almost an outpost of civilization—Cosy Nook on Leggett's Point.

Now you must know that in those days the Italian immigrant still clung to her characteristic dress, the same that one sees to-day when motoring from Naples to Rome through the lovely campagna. Ample skirts of lovely green, copper, brown, or red, very full and gathered in to a waist of contrasting colors. Aprons of black, rarely white, for what is once white in Italy takes on, through the gentle process of time and, alas, dirt, tints far from white, gray, or even green. And crowning all the inevitable kerchief of still more brilliant hues tied tightly under the chin but flying loose and free in back.

Against a background of "sunny slope and beachen swell" these gay old ladies advanced, on one arm a basket and in the right hand a short sharp knife. Slowly they moved along singing or gabbling together as only the Italian can. Then for me the thrilling moment of excitement, as one or another would drop on bended knee, knife gleaming for a flashing moment in the air and a dandelion in all its pristine



*Goold Studios*

innocence falling limp and dead among its sisters in that sinister basket. The tragedy of it! This gay, golden life suddenly ended. Like all little girls, all inanimate things were vividly animate to me, and my heart bled at the sudden cruel death of the fairy dandelion.

Later, much later, in life when money was hard to find and my appetite ever present, the full meaning of the dandelion women came to me and utterly regardless of my childhood pity for the pretty dandelion, I feasted time and again on dandelion salad at an Italian restaurant in New York.

So, let me commend above all spring salads that of the dandelion. First we must consider the dressing—that French dressing so delicious to eat, so very difficult to get just right. Of course, the accepted formula is:

1 teaspoonful of salt	3 tablespoonfuls of oil
$\frac{1}{2}$ teaspoonful of pepper	1 tablespoonful of vinegar

But—the perfect dressing varies with the amount and size of the salad and is so carefully measured that there is never a drop too much in the salad bowl. Mix it and mix it until each leaf carries its full share. Cover each leaf until it glistens, but leave not a drop in the bowl. There is danger in too much just as there is in too little.

A word should be said here about the olive oil used in making French or, for that matter, any dressing. Be sure to use only the best French, Italian, or Spanish olive oil, according to your taste. Don't fool yourself that any native oil or substitute for oil will ever give the flavor you



want and remember that each imported oil varies in degree of richness and flavor with the country from which it comes. The Spanish oil is the heaviest and richest in flavor. The Italian comes next and the French—well, it is just a charming Parisienne, dainty and delectable.

And now for this most delightful of all spring salads—

#### SALAD OF DANDELIONS

Select full plants with as many buds as possible. Cut off the tough outside leaves, clean and crisp in cold water. Chop into small pieces two hard-boiled eggs. Rub your salad bowl with a clove of garlic. Mix the eggs and dandelions and blend with French dressing.

I should serve Edam cheese, French bread, and sweet butter with this salad and neither mortal man nor even the gods on Olympus could ask for anything more perfect.

If you happen to possess those very foreign but truly artistic salad plates, the crescent shaped, or demi-luna as the Italians say, here is a dainty salad to serve on them.

#### CUCUMBERS EN BATEAU

Select as many evenly sized cucumbers as you have guests. Slice off the tops and carefully remove the seeds and inside pulp. On each crescent-shaped plate lay a wreath of cress, placing the stems in the center and letting the leaves radiate out to the edge of the plate. Make a mixture of diced chicken breasts, tomatoes, slices of crisp bacon, and four tablespoonfuls of Russian dressing together with any pulp you may have removed from the cucumbers. Fill the cu-



*A salad piquantly seasoned to just the right degree and attractively served with some delectable accompaniment is one of the supreme tests of culinary art. Peasant pottery of gay color and interesting shape lends itself admirably to the salad course*

cumber boats with this mixture. Place a sprig of water cress standing in the middle of each "boat," surrounded by a narrow ring of pimento. Place a quarter of a lemon on each end, or preferably make a cup of a tiny lettuce leaf and fill with Russian dressing. This is a salad which is a delight to the eye as well as to the palate.

Another delightful early spring salad is made of water cress. This is the recipe:

#### WATER CRESS SALAD

Line your salad bowl with the tender crisp leaves of lettuce. Fill the center with leaves of water cress carefully

cleaned and crisp. To four young beets after they have been boiled add two hard-boiled eggs cut in small pieces. Mix with cress and French dressing. Place in a salad bowl just before serving.

Sometimes I use a dressing that is a little more elaborate than the French dressing. Perhaps it will interest you.

#### MY OWN DRESSING

3 tablespoonfuls of Italian olive oil	1 teaspoonful of mustard
1 tablespoonful of tarragon vinegar	1 teaspoonful of sugar
	$\frac{1}{2}$ teaspoonful of salt
	$\frac{1}{2}$ teaspoonful of pepper

Beat all the ingredients together lightly.

In case you do not know how to crisp lettuce and other green salads, this is the way: Fill a large bowl with cold water adding one tablespoonful of salt. Wash thoroughly whatever salad you intend to use, place in a bowl with a good sized piece of ice. Place in the icebox. Before serving drain carefully on a clean towel. Then place in a wire basket made for this purpose. Let it stand in the refrigerator, being very careful that all of the water drains off or your dressing will be ruined.

Combine a head of lettuce, a bunch of cress, two ripe tomatoes, cut in quarters and sprinkled with sliced onion. Place in a salad bowl and when ready to serve pour on the dressing, which has been again beaten lightly, and mix thoroughly. Serve either in the bowl or on individual plates. In any event serve with crackers treated as follows:

Allow two Bremmer wafers at least for each person. Spread each wafer freely with butter and sprinkle with grated Parmesan cheese. Place in a hot oven until the cheese begins to brown. Serve hot with the salad. These toasted crackers are also delicious to serve with cocktails.

About this time we may be overtaken by that week of hot weather that always comes in the spring, a kind of *avant courier* of what July and August intend to do for us. Friends may be coming for lunch. You are exhausted, your maid is exhausted, and all you or your friends want is a kind of pick-me-up luncheon. Does this menu answer to that necessity?

Cold Jellied Bouillon  
Shrimp in Tomato Jelly  
Popovers Iced Coffee  
Fruit Compote Frappé  
Importés

If it does appeal to you let me tell you how to make the salad—

#### SHRIMP IN TOMATO JELLY

$\frac{1}{2}$ can of tomatoes, principally pulp	1 slice of onion
3 chives	$\frac{1}{2}$ teaspoonful of thyme
1 bayleaf	1 teaspoonful of salt
	$\frac{1}{4}$ teaspoonful of pepper
	$\frac{1}{2}$ box of gelatine

Boil together the tomatoes, spices, and onion until the tomato is soft; then add the soaked gelatine, and stir until the gelatine is dissolved. Strain. Take individual cone-shaped moulds (or popover cups will do) and wet them. Pour a little jelly in the bottom of the mould. Lay in one shrimp curled to fit, pour in a little more jelly, and then a mixture of mayonnaise with shrimp and celery and chives cut in small pieces. Fill the mould and pour in more tomato jelly. Place in the ice box to stiffen. Make a nest of the inside leaves of lettuce which have been crisped. When luncheon is ready turn the shrimp jelly out on the lettuce leaves. Place (Continued on page 361)



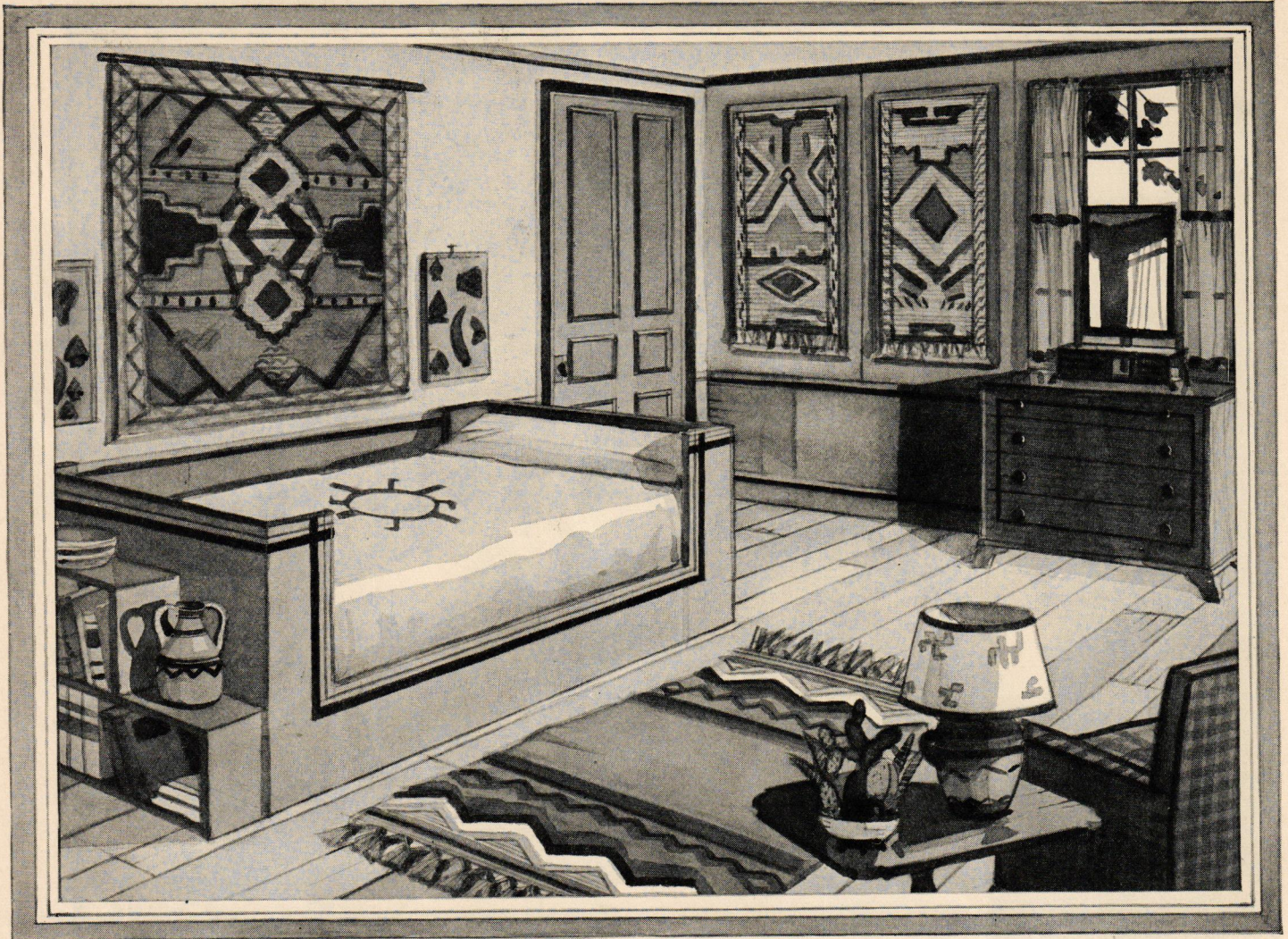


Kepler

Never before have the shops displayed such an assortment of unusually lovely glassware. In the lower left-hand corner of the above photograph are comet and polka dot goblets and fingerbowls (Fostoria); beside these are orange, green, and black striped tumblers (Pitt Petri); just above and to the right grapefruit and cranberry juice glasses (Dunbar-Flint); above these a fruit cooler and "brandy inhalers" and goblets (R. H. Macy & Co.); a hors d'œuvre dish (Lewis & Conger); a French étagère (Mitteldorfer Straus); engraved rock crystal fingerbowl and plate (Sloan Bros.). In the upper right-hand corner is a three-tiered candlestick (A. H. Heisey & Co.); flower vase and a deer ornament (Corning Glass Works); four-piece cocktail set (Fostoria); fly cocktail glasses (Pitt Petri)

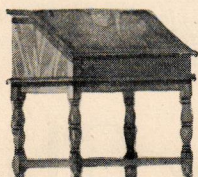
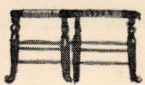
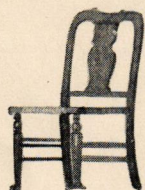
## The New Glassware





*Drawings by Lurette Guild*

*The vital red and contrasting black and white of a Navaho rug offered the nucleus for this room of a growing boy whose interest centers in Indian warriors and ancient crafts. Homespun for curtains and bed, time-dulled Indian rugs for walls, primitive pottery and basketry, arrow heads and beadwork—even a scalp—all help to make this interesting room the pride of its owner*



# The Small Boy

*comes into his own*

by IVA LOU WILDEY

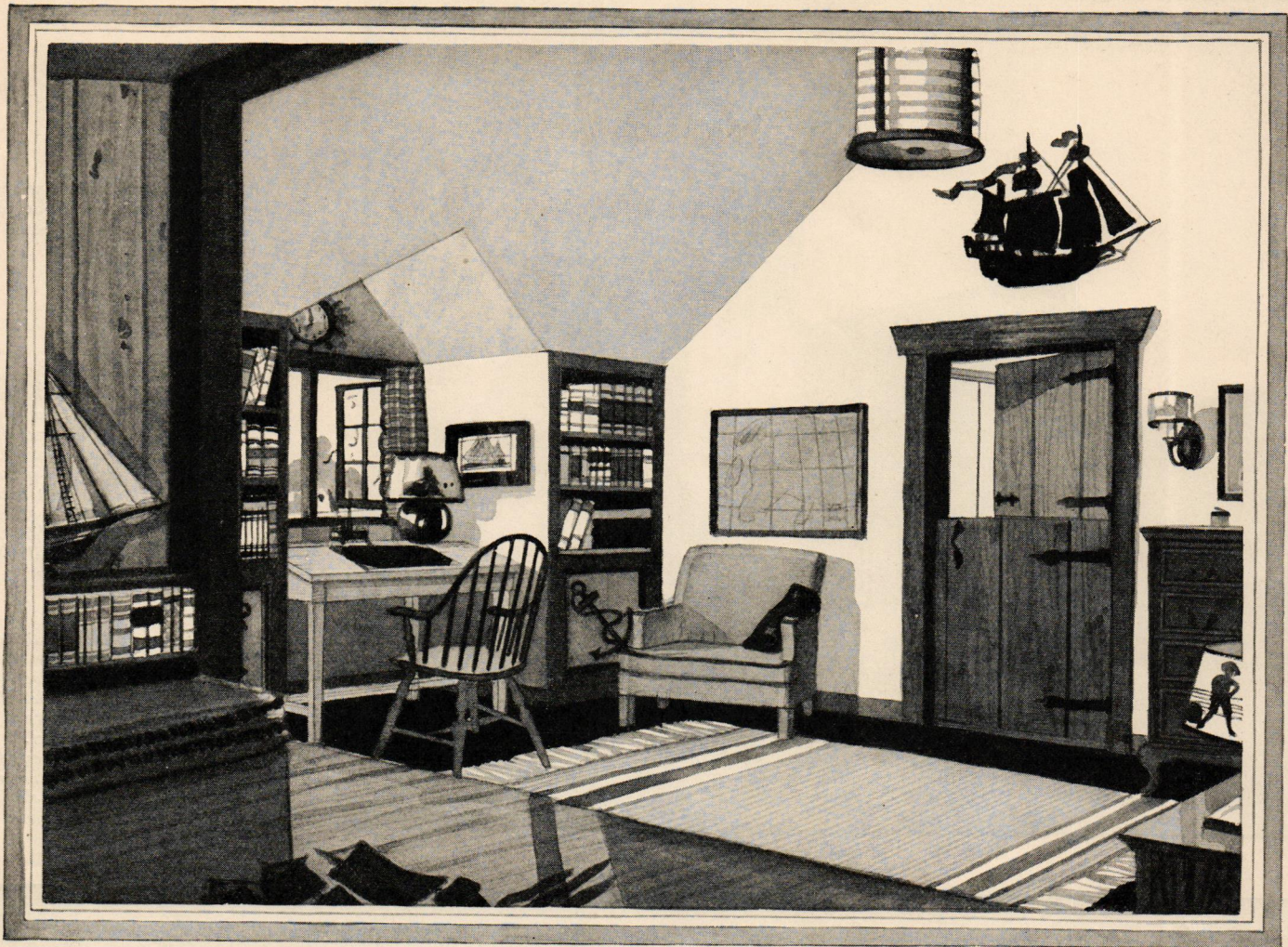
“WHAT about the boys’ rooms?” I asked the New Home Owner, as we sat before the fire discussing plans and prices.

“My dear decorator,” she replied, “there is nothing to be done in their rooms. I have some old curtains that will do nicely, and a couple of chairs that are too uncomfortable for downstairs. I might paint their beds—they are quite nicked—but still, what is the use? The boys will never notice nor care.”

Frankly, I was astonished. For this little lady was not one to be overwhelmed by the sudden acquisition of a new home. All her life she had been accustomed to surroundings of refinement and good taste, and what was even more to the point, she had been a teacher of psychology and was even then a leader in Parent Teacher activities. I had every reason to believe she would desire the same atmosphere for her children and that she would understand child life and its reactions to color and comfort.

I remember how I longed to refurnish





*The young shipbuilder who needed a background for his work selected curtains of heavy blue rep bound in red; dark oak furniture, some pieces of which were his own handiwork; and a woven rug in brown and blue. The India print on the bed in the foreground might well have come to port in the gay Spanish galleon which sails majestically across a stucco wall. Charts and maps play their part, too*

those particular rooms. I had a piece of jute cloth of sturdy design, which was clamoring for such a place; some heavy wrought linens which would give the beds a finish anything but feminine; and a toile, with minute men upon its surface, waiting to be called.

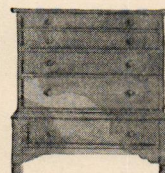
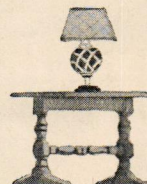
I thought of blue-green beds, spreads of dull gold rep, and a rusty rug. But the New Home Owner shook her head, "there was too much that was necessary," she said. And I wondered what was more worth while than contented boys, eager to bring home their friends, to enjoy a real room where their belongings could be scattered or collected, as the case might be.

Were boys of less importance in the home than girls? I wondered. It seemed so. For there had never been a thought of putting discards into those dainty feminine quarters. Nothing in time or money had been spared to give the girl the benefit of color and design, an outlet for individual expression. Yet anything

would do for the boy. I was not complaining because of the use of old things, provided they were good. But how well the grown-ups had relished discomfort was proved by the removal of the chairs, yet the child was expected to have no reaction. Was there any temptation to sit down and read, in a stiff chair without soft lights, or books within easy reach! The lamps were downstairs, so were the tempting books.

I was new in the decorating field then and this attitude was disturbing. But in the years which have followed it has occurred with such repetition that the surprise element is no longer present.

Indeed, when the mother of a four-year-old son recently suggested that I find "something interesting" for his room, I was momentarily barren of ideas. Had she requested a scheme for her living room, a dozen would have crowded my consciousness, for a decorator's days are filled with living rooms of every description. (Continued on page 352)







Other rooms and houses winning honorable mention will be published in subsequent issues.

*An interesting example of the way modern architects can build a homey feeling into a new house, can make it seem to have been lived in for years, is afforded by the house which won first prize in the class of houses costing less than \$10,000. Oscar Bryant Smith, architect, designed it for Mr. Frederick W. Willard, at Short Hills, New Jersey*

*Below is shown the residence of Mr. John M. Spence, in Baltimore, Maryland, which won first prize for a house costing less than \$20,000 to build. Howard F. Baldwin was the architect. The large, free-standing chimney which is a decorative feature of this style of architecture has been skilfully handled by Mr. Baldwin*



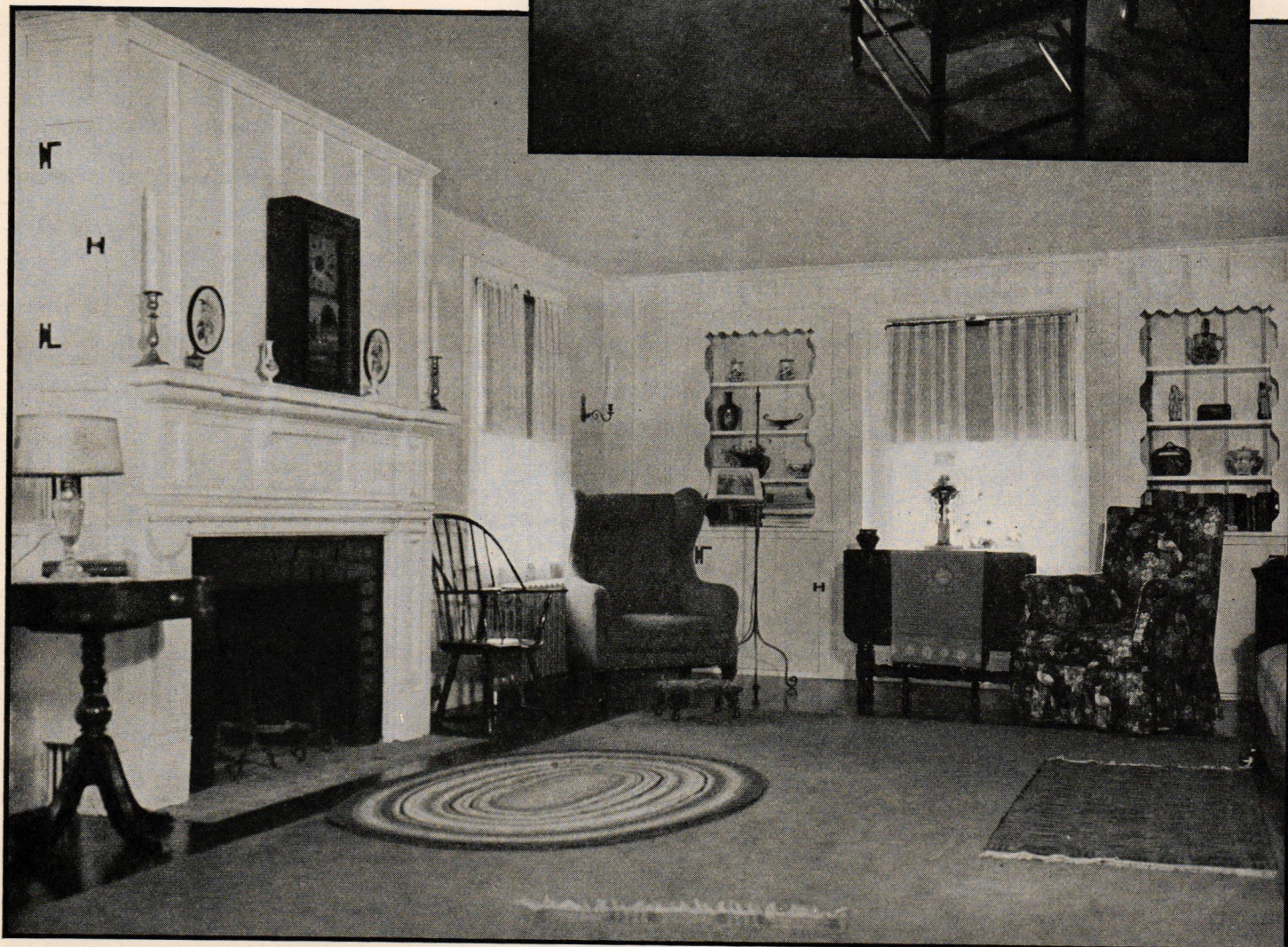


# Prize Winning Homes

*in our contest*

On page 370 of the September 1931 issue THE AMERICAN HOME announced a prize contest for photographs of houses costing less than \$10,000 and \$20,000 to build and interiors costing less than \$1,500 and \$750 to furnish. Floor plans and further descriptions of the prize winning houses and interiors shown on these two pages are given on page 356

*The first prize in the contest for an interior not to cost over \$1500 was given to Mrs. Alla Mae Mattison, for the living room in her house at Lake Mahopac, New York. The picture at the right shows that the pine-panelled walls make a beautiful background for the quaint pieces of French Provincial and Early American furniture with which it is equipped (Pierre Dutel, decorator). The pleasant living room shown below won the prize for an interior which did not cost over \$750. It was designed and furnished by its owners, Mr. and Mrs. Frank Pickel, of Hackettstown, N. J.*





# Painting

## for proper protection

by MORGAN G. FARRELL

PAINT on the outside of a house serves a double purpose: it beautifies and it preserves. But to achieve these desirable ends one must have the right kind of paint, and it must be applied in the right way to the right kind of surface. This holds true either for new painting on raw wood or for the spring repainting job which is the particular subject of this article. It applies also to the rejuvenation with paint of stucco, brick, or other masonry.

The "right kind of paint" for most exterior surfaces to which paint is normally applied may mean either the best of white lead and linseed oil or the best of the ready-mixed paints. If the painting is to be done by a reliable painter, experienced in mixing ingredients "on the job," either can be specified by the owner with assurance of satisfactory results. But if the painting is left to inexperienced hands it is probably safer to specify the best grade of one of the well-known brands of ready-mixed paints. They are prepared mixed in quantities at the factory according to the makers' formulas, and are packed and labeled according to their contents and the purposes for which they are recommended.

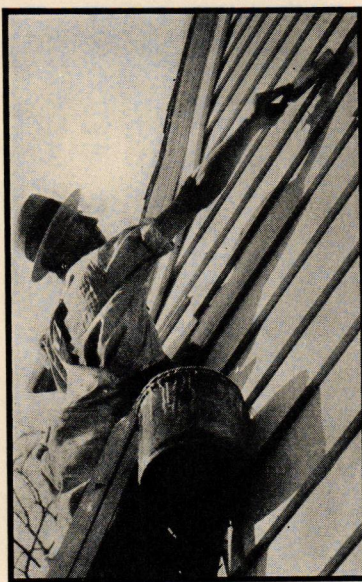
Although every home owner can be his own house painter, certainly the most convenient way and one which especially recommends itself in this period of widely extended unemployment is to secure estimates and award a contract to a local painter to paint the house. If that is done, be sure to specify what is to be painted (all exterior woodwork, and leaders and gutters, flashing and roofing if desired). Also specify the make and numbers of the paint to be used, the number of coats, the method of application (brush or spray), preparation of surfaces (removing dirt and old paint), and cleaning up. As an aside: it is wise to look up your liability insurance—people fall off porches and slide down roofs.

ONE should know how to do it oneself even if the work is to be given out. Particularly is this true if unskilled laborers instead of accredited house painters are given employment. So here are some thoughts on brushing: The best brushes, of course, are those which hold their bristles and are uninjured by any solvent used to clean them. These may be kept in water overnight but must be thoroughly cleaned with turpentine and washed with soap and water at the end of the job as safe protection.

The technique of exterior painting differs from that employed for the interior. The paint should not be flowed on in a thick, smooth pool. It should be brushed on and in, most thoroughly, working the brush hard, back and forth, stippling over rough spots and keeping the coat as thin as possible. This is hard work and it may be necessary to thin down the finishing coats. Most manufacturers recommend this practice.

They say the proper way to get the paint ready to start

work is: (a) Buy the best grades of white lead and linseed oil or the best ready-mixed paints, as your choice may be. (b) If ready-mixed paints are used shake the can quite thoroughly. (c) Pour off the loose liquid into another can. (d) Stir thoroughly the thick paint that is left. (e) Pour back the liquid gradually, stirring all the time. It cannot be stirred too long. It helps to pour the paint back and forth from one can to the other, though it is a bit tiring. Incidentally, it is a good idea to rub vaseline into the hands before starting to paint. It protects the skin against cracking and facilitates the removal of paint with turpentine and soap and water.



THE one-time theory of painting was that anything would do for the priming coat on raw wood. This is all wrong. The priming coat is most important. The wood is full of tiny cells (as many as a million to the square inch in soft woods) into which the oil of the priming coat penetrates. There it hardens, forming microscopic fingers, which hold the paint to the surface. Knots and sap pockets should be coated with white shellac before priming and all holes and cracks should be puttied up *after* priming. There is a great variation of qual-

ity even in such simple things as shellac and putty. Therefore, get the best that is obtainable.

If it is a re-paint job, it is necessary to use the utmost care in preparing the surface, so it will be clean and solid for the coat of new paint. First, it must be thoroughly dry. So, too, must the weather be. All dry, dusted, or flaked paint must be taken off with a wire brush. If the old paint is badly soiled with dirt, or soot, it must be washed with hot water and laundry soap. If accumulated paintings have taken the form of a leathery, alligatored skin, this must be burnt off with blow torches. This is slow and expensive but essential for a permanent job.

If the painting is done while the sun is still weak—before June—the results will be more satisfactory. But too much cold is just as bad as too much sun, for the paint will be thick and sluggish and it is safe to say that under 50° is too cold for house painting. And, of course, one does not paint on a misty, windy, or rainy day. It is better to wait for a clear, quiet day, when the air is free of dust and moisture.

In most cases the old painted surface is pretty dry, so the first coat of new paint should be thinned with one pint best raw linseed oil and one pint of turpentine to the gallon of paint. Then apply a second coat just as it comes from the makers' can. If the paint is too thick, thin it with linseed oil only, to retain the gloss. Turpentine kills the gloss. Each coat must be dry before the next is applied.

One of the most radical painting innovations of late years is the development of aluminum paint for both priming and finishing wood exteriors. In many respects, it is an excellent first coat for refinishing (Continued on page 355)



# Employment Plan

*The last in a series of five articles giving timely suggestions for making your home more valuable and at the same time giving work to those who need it.*

THE response of readers to THE AMERICAN HOME EMPLOYMENT PLAN has exceeded the most sanguine expectations of its sponsors. There is overwhelming evidence that its practical policy of "help yourself while helping others" has made a very definite contribution toward unemployment relief and national welfare.

With the advent of spring close at hand, there are still opportunities for every household to make improvements or to carry out maintenance work that will give employment indoors or out to those whose regular occupations may not resume their normal activity for another month or two.

At this time thoughts should turn toward four types of maintenance and improvement problems. First, there is the matter of repairing the ravages of winter and of putting the house in order, so to speak, for another year. Second, there are many things to do in changing over from the winter to the spring season, such as the removal of storm windows and the preparation of screens for the warmer weather. The third group includes the solution of problems that have to do with spring and summer comfort, remembering that it is in the spring and summer that fireplaces are most extensively used and that both the rainy season in the early spring and the hot weather that will soon follow each bring problems of their own. And fourth, there is the opportunity now to prepare the grounds and the garden and the garden tools for the busy outdoor season, to say nothing of the actual gardening activities of planting and transplanting that will follow a little later on and that do not belong within the scope of this employment plan. So to these four types of opportunities we devote the last twenty items in the check list around which THE AMERICAN HOME EMPLOYMENT PLAN is built.

BUT few of these items involve any great technical difficulties. If the explanations which follow are not adequate, please remember that your local carpenters, plumbers, general contractors, material supply houses, and other building trades groups stand ready and willing to help you to solve your particular problem by advice and counsel that will cost you nothing. And keep in mind, too, that unemployment relief committees in your locality have many men on their lists who still are in severe financial straits and who are quite competent to estimate and perform the work which is involved. No matter how small your expenditure, it will make a double contribution to national welfare, for it will not only represent an improvement to your home and property values, but it will give work to others, perhaps in factories or distribution centers if not actually to men in your neighborhood.

The worst of the winter is almost over. Economic conditions are showing substantial signs of improvement.

Before the end of March in most sections of the country the volume of work available will greatly increase and milder weather will bring less keen suffering. The problem is to close this last gap by performing every possible item of work now that might otherwise be deferred until employment is less a matter of extreme necessity to many families. If for no other reason, undertake such work as you can this month to secure the advantage of the lower prices still prevailing for both materials and labor. The history of all past years, whether in normal times or during the years of depression, shows that in March comes the turning point in business activity, particularly in the building field.

Here are the last items which have not hitherto been discussed in the list of one hundred suggestions for home improvements.

**7. Repair or replace hardware; correct sagging doors or defective windows.** Examine the hardware on doors, windows, cabinets, and closets. If doors bind or do not latch properly, if windows are difficult to operate or have broken window cords or balances, or if the old hardware is showing signs of obsolescence or decrepitude, have a local carpenter make the necessary repairs and adjustments. Also visit your local hardware dealers and consider the installation of modern hardware, including many of the new and convenient devices such as door closers (invisible or exposed type), modern window operators and adjusters, and up-to-date locks and latches that give the utmost security.

**16. Repair porch railings, floors, steps, etc.** In a few short weeks open porches that have been abandoned during the winter will again come into use. Examine your porch steps and other exterior details for signs of decay or deterioration. Repair work of this kind can be effectively done at once. It would be advisable to continue the inspection of all exterior parts of the home, particularly cornices, gutters, wood trim, and siding, with a view of reconditioning any parts that have suffered during the winter.

**19. Build portable screen enclosure for open porch for summer use.** Possibly you have never had your open porch equipped with a screen enclosure, but more likely the enclosure you have used in past years needs reconstruction, improvement, or extension. This work can be done under cover during late February and early March at lower cost than by waiting until spring has advanced to the fly and mosquito time. Screen enclosures are made commercially by companies specializing in this type of work who should be asked to



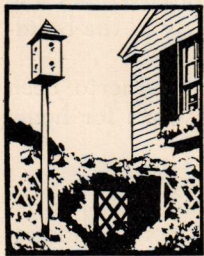


submit estimates, or you can have them made to your order by a carpenter or by your local mill. Repair work can be handled in a similar manner—preferably by a carpenter.

**20. Prepare window and door screens for next season's use, including rewiring where necessary and repainting. Also consider installation of new screening of modern type.** All window and door screens should be put in order for the coming season's use. The frames should be inspected for weakness and new frames ordered to replace those that have passed their useful life. Screen cloth that is torn or rusted should be entirely replaced, preferably using the most durable materials available. The screens should be repainted, including the screen cloth unless the latter is of copper, bronze, aluminum, or other rustproof metal. This is work for a carpenter unless the screens are of patented construction, such as the modern metal frame screen, in which case the rewiring can often be accomplished more effectively by a factory repair man.

If your present type of screen is not up to date, consider having modern screens fitted to all of your windows. Among the possibilities are rolling screens which can be installed on the inside of the frame for either double hung or casement type windows, full-length metal or wood frame screens hung at the top for double hung windows, and flat metal screens or box screens which can be fitted to metal casement windows of every type. For estimates, consult screen manufacturers.

**36. Provide outside accessories such as window boxes, trellises, bird houses, etc., ready for use in the early spring.** Many of these accessories which add so much to the interest and appearance of the home can be purchased ready-made from millwork companies or your local mill. Their construction also offers excellent indoor work during these early spring days for an otherwise unemployed carpenter. They will cost less now than a few weeks hence and can be painted and



prepared for use before other garden duties crowd your schedule.

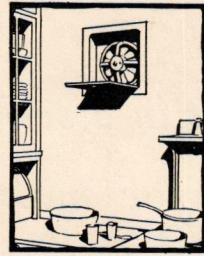
**37. Erect new fences, gates, arbors, pergolas, and other outdoor garden structures.** As soon as the frost is out of the ground so that post holes can be dug, all types of outdoor garden structures may be erected before other gardening work becomes pressing. Consider the use of ready-made units, such as woven wood, sapling or split-rail fences, and standard arbors or pergolas manufactured by specialists in fencing, gates, and garden furniture. Or these accessories to the grounds may be made to order through a local mill or by a competent carpenter.

**71. Remove storm windows and winter vestibules in preparation for warmer weather (in early spring).** While occasional storms and cold spells may be experienced for several weeks in the northern sections of the country, there is something particularly exciting about getting the storm windows and doors put away at the first sign of mild weather. Before storing them, they should be put in good condition for use next year, repainting or reglazing the units if necessary.

**72. Early spring exterior painting of all items not repainted in the fall.** It is the habit of many families to have their houses painted in the spring, particularly outside painting. They usually defer this work until the season is well advanced and fair weather is the order of the day. This year consult your painters about such work at once. You will find many of them ready to start weeks before their normal busy season commences. You can probably

save money by placing your order now. At the same time consider having any interior painting completed this month while prices and employment conditions are favorable to you.

**76. Install a ventilating fan in kitchen.** Electric ventilating fans that are built permanently into the wall are almost as easily installed as the portable units that are inserted in the window opening.



The built-in types are made in standard forms for insertion in wood or masonry exterior walls with a minimum of labor and without requiring subsequent patching or repainting. This work is usually under the direction of an electrician who can cut in the necessary aperture and make the complete installation for very little cost. Several units have their own weather-protecting shutters that keep out inclement weather.

**77. Correct defective fireplaces.** Soon the heating plant will be shut down and your chief reliance for a little extra warmth will be on your fireplace. If the latter smokes or does not operate properly, it can always be reconstructed and put in good working order by a competent mason. Usually the trouble lies in the proportions of the opening or the construction of the fireplace throat and smoke chamber. The most effective method of correcting the latter is to have the mason install a modern metal unit which is scientifically designed to insure adequate draft. Consult a mason or specialist in fireplace construction and correction; also consult manufacturers of fireplace units.

**78. Install hearth or mantel for gas or electric radiant heater in bedroom or other room lacking chimney connections.** Much of the charm and most of the comfort of a real open fireplace can be built into any room in the house by installing a modern gas or electric radiant heater, neither of which requires chimney connections. It is usually more satisfactory to create the appearance of a complete fireplace hearth with an appropriate mantel or "surround" in which the heating unit is set. The modern electric devices have motor-driven fans to throw the heat out into the room for maximum efficiency and quick response. Consult your electrician for electric units, your gas company or plumbing and heating supply house (or the manufacturers direct) for gas radiant heaters, and manufacturers of ready-made units or your local mill or carpenter and mason for the construction of a false fireplace hearth and mantel.

**82. Insulate roof or attic floor to reduce heat losses in winter and to make second story or attic bedrooms cooler in summer.** Also consider insulating side walls of house for maximum comfort. In the wintertime most of the heat that passes out through the exterior surfaces of the home is lost through the roof. Conversely, in the hot summer months the excessive heat of the sun enters the house through the roof and often makes the upper story bedrooms unbearably warm. To correct both of these defects, the ceilings of the upper story bedrooms or the underside of the roof can be insulated in any one of several ways:

(a)—Where attic is unused the floor boards can be lifted and a fibrous or dry powdered type of insulating material can be spread over the ceiling between the joists or blown into this space by means of mechanical devices. If the ceiling of the upper floor is not covered with boards, a type of flake insulation that is blown in with adhesive material may also be used in this manner.

(b)—Similar blown or fibrous insulations can be installed between the roof rafters if the latter are sheathed or covered with plaster or other material.

(c)—The inside of the attic may be lined with heavy insulating boards. Unlined attics (Continued on page 356)



"I smell smoke!"



Fireproof  
\$19.50

As little as DOWN will put a

**Johns-Manville**

*Asbestos Shingle Roof on your home*

**a year to pay**

Fire started on roof—that is the chief's blunt report. It goes for 23 out of every 100 residential fires!

The report you have to make to yourself is:—INESTIMABLE LOSS. For it's not a house that's burned up — it's YOUR HOME.

Why wait any longer to protect your home and your family against fire?

Today you can have a fireproof roof of

Johns-Manville Asbestos Shingles . . . for as little as \$19.50 down! The balance you pay out of income—twelve small monthly payments.

In addition to fire protection you buy *permanence*. No Johns-Manville Asbestos Shingle has ever worn out! Upkeep expense eliminated!

J-M Rigid Asbestos Shingles are made of asbestos fibres and Portland cement combined under pressure. They may be had in a wide

variety of textures, styles, colors and prices. You will find the type which exactly fits your needs—whether you're re-roofing or building.

Still lower in cost are J-M Flexible Asphalt Shingles. Surfaced with finely crushed rock or slate, they are fire-retarding, durable.

The J-M dealer will also tell you about J-M Asbestos Wainscoting. It has the color and charm of ceramic tile of high quality—and only \$9.75 down and monthly payments modernize that dingy bathroom or kitchen!

For further information on roofing and J-M Asbestos Wainscoting—just fill out and mail the coupon.

JOHNS-MANVILLE • 41st Street & Madison Avenue, New York, N. Y.

I would like to have your dealer inspect the condition of my roof —free. I would also be interested in learning more about J-M Asbestos Wainscoting. This puts me under no obligation.

Name \_\_\_\_\_ City \_\_\_\_\_

Street \_\_\_\_\_ State \_\_\_\_\_

A. H. 3



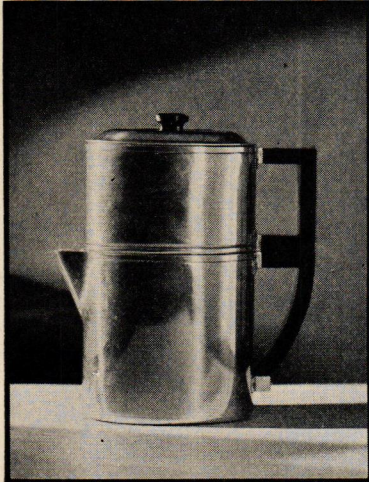
**Johns-Manville Roofs for residence • office building • industrial plant • Permanence • Protection • Satisfaction**



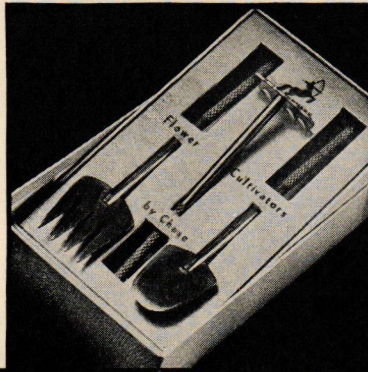


# Devices for American Homes

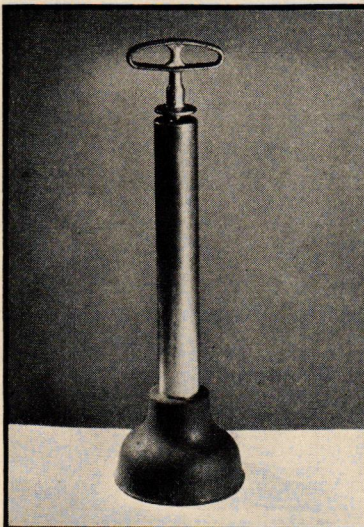
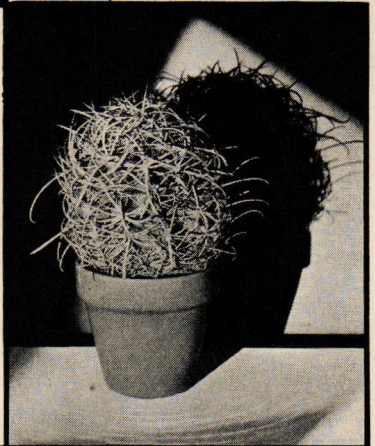
Any of these articles can be ordered by sending a check or money order to the firms cited below. For any further information write Diana North



**THE** Early American" is the name of the new "Wear-Ever" drip coffee pot designed by Lurelle Guild, national authority on American antiques. Coffee is put in middle section; boiling water in upper part. Price for limited time only \$1.95; west of Rockies \$2.25. From local dealer or Aluminum Cooking Utensil Co., New Kensington, Penn.



**FOR** your indoor garden a set of bright brass tools comprising fork, rake, and spade will be found very useful. Though they measure but 6" in length they will make an efficient aid for keeping your plants in good condition. Price 75¢ complete. Add 10¢ extra for postage. W. G. Lemmon & Co., Ltd., 820 Madison Avenue, N. Y. C.



**THE** lower section of "The Early American" drip coffee pot shown in the upper left-hand corner. After the coffee has dripped through, which takes but a few minutes, the upper section is removed and the lower container is used for serving

**A** NEW way of serving corn on the cob. Consists of service with an attractive embossed corn design, and screw holder which fits into corn. In nickel silver buffed \$2.00; nickel silver, silver plate butler finish \$2.50 each. Korn-on-Kob Service Co., Moline, Illinois



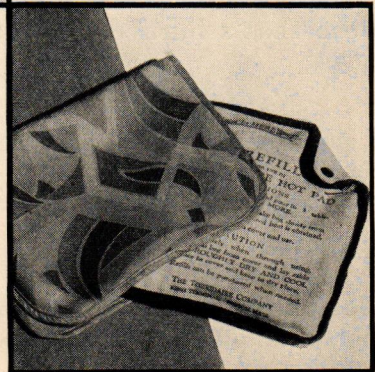
**THE** Mexican Flame ball plant changes to a brilliant flame color when water touches it. Yellow flowers in summer. 7" high, 6" diameter \$4.00 postpaid; 8" high, 7" in diameter \$5.00 postpaid. Max Schling Seedsmen, 618 Madison Ave. N. Y. C.

**TORRIDAIRE** hot pad. Put cold water in opening and shake until desired heat is obtained. Retains heat about 7 hrs. Rubberized case 7" x 8½" in blues, greens, or black and white. \$1.00 postpaid; refills three for \$1.00. Lord & Taylor, Fifth Ave. & 38th St., N. Y.

**NOT** a bicycle pump, but a force pump for use in basin, sink, or tub is shown above. An indispensable necessity for your kitchen or bathroom. Easy to use, as it is rarely necessary to pump more than four or five times. In brass \$1.45 postpaid anywhere. Lewis & Conger, 78 West 45th St., N. Y. C.



**NO LONGER** is it necessary to mar your attractive house with an unsightly house number. The new one shown above is visible day and night as it is connected to wiring system. 13" high, 2½" wide. In green finished mottled case with any numbers \$3.65 postpaid, Lewis & Conger, 78 West 45th St., N. Y. C.





# ARE *Domestic Hands*



## A BADGE OF MARRIAGE ?

Her poor bewildered husband simply can't understand the change that has come over Helen since their marriage last June.

She used to love to go to parties and to give them. But now she never wants to go anywhere and she hates to have people come into their home.

When old friends drop in unexpectedly she is so queer and so self-conscious. It was actually embarrassing the other night when Tom brought Ted Graham home for dinner without warning. And after he had gone there was another of those awful weepy scenes.

The real trouble with Helen of course is a bad case of Domestic Hands.

Unaccustomed to housework before her marriage, she simply has not learned that it is easily possible to have lovely, soft white hands and still get along without a maid.

*A Soothing Pure-as-Milk Lotion that Keeps Hands Young*

You can easily avoid the embarrassment of Domestic Hands and the inferiority complex that goes with them. All you need do is smooth Hinds Honey and Almond Cream into them two or three times each day. Within a few days' time even hands pitifully roughened by neglect grow softer, whiter and more attractive. You see the improvement almost at once.

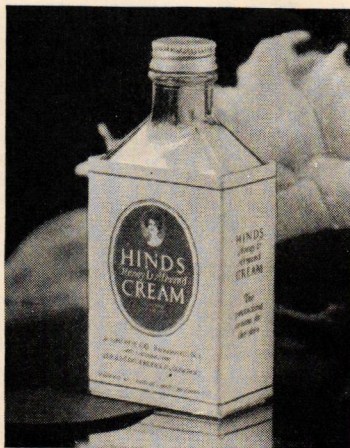
*Don't Take Chances with Questionable Lotions*

The delightful caressing texture of Hinds comes from the mildest and finest skin-softening emollients—a special secret of its half-century tested formula. Avoid imitations, many of which simulate Hinds cream-like texture by the addition of gummy thickening agents that do not benefit the skin. Don't take chances—insist upon the original Hinds Honey and Almond Cream.

Get Hinds from your druggist today. We'll gladly send a generous sample, free, if you will write the A. S. Hinds Co., Dept. B-28, Bloomfield, N. J.

© 1932, Lehn & Fink, Inc.

**HINDS**  
*honey and almond*  
**CREAM**



1932 ◀ MARCH ○ 1932

### WINTERY WINDS

March winds are hard on skins, but neither raw weather nor hardest housework need mar the appearance of your hands if you protect them with Hinds.

This smooth and delightful lotion will keep your hands always soft and lovely—and so comfortable too.

A photographic representation of inferiority complex caused by Domestic hands. Interpreted by Anton Bruehl

### Does your face, too, tell of Domestic Cares ?

TRY THESE NEW HINDS BEAUTY AIDS

Because days crowded with household cares so often leave signs of tiredness and neglect, Hinds decided to do for faces what they've always done for hands . . . make them smooth as velvet, lovely and youthful. Try this simple, amazingly inexpensive treatment:

**HINDS CLEANSING CREAM**—This cool, fragrant cream liquefies 2 to 7 times faster than ordinary creams, floating out dirt without stretching pores. 40c and 65c a jar.

**HINDS TONING CLEANSER**—This stimulating new cleanser dissolves pore residue, so pores shrink back to normal size. 65c a bottle.

**HINDS TEXTURE CREAM**—A *greaseless* softening cream to make the skin satin-smooth. 40c a jar.

If your druggist cannot supply you, write to A. S. Hinds Co., Dept. B-28, Bloomfield, N. J.





## SCREENED . . . but its beauty remains unblemished

WINDOWS . . . the "eyes" that give a house life, beauty, stateliness! Into their design architects for centuries have poured their artistic talents. What a pity when the harmony of line and proportion is destroyed, or ten to twenty per cent of the light is shut out by unsightly, wide-framed, flat-type screens! It is so unnecessary . . . for today Rolscreens of Pella relegate such shortcomings into complete oblivion. They do more. Rolscreens bring you a whole category of other advantages which make you wonder how you ever managed without them.

Fitted into your windows, either inside or outside, Rolscreens are so unobtrusive you scarcely realize they're there. Inconspicuous guides at the sides; a narrow bottom-rail; an ingenious spring-roller, hidden in a compact housing; a clear-vision mesh . . . That's a Rolscreen of Pella!

### Rolscreens roll up and down—like a window shade

A touch of the finger and, automatically, your Rolscreens roll up; a gentle pull and they're down . . . instantly available when you want them; instantly out of the way and out of sight when you don't.

Rolscreens make it easy to get at case-mat latches. They need not be taken out for access to flower boxes or for window washing. In fact, they need never be removed. They're permanent! . . . Require no storing; no messy dusting, painting, repairing and putting up each spring. Rolscreens collect no heavy accumula-

tions of dust or dirt—to soil delicate breeze-blown curtains. . . . They clean themselves each time they're rolled.

Rolscreens do not sag, bag, or rip. An accidental blow merely disengages the sliding lugs from the guides, and rolling the screen instantly replaces them.

Rolscreens are thoroughly insect-tight—being locked in on all sides. No gaping edges from shrinkage or bad fitting.

Rolscreens do not rust or break into holes. Made of special electro-plated "Alumina"—clear-vision wire-cloth, with reinforced selvedge, that will far outlive Rolscreens' TEN-YEAR GUARANTEE.

Preserve the carefully planned beauty of that home which you love. Banish those daily inconveniences and that twice-a-year drudgery which old-fashioned screens impose. Give yourself the economy of screens that will probably last for the remainder of your life. . . . Rolscreen your windows. It's easy—with any size or type of window; in full or half length. *Time payments*, if you desire.

But, be sure your Rolscreens are the genuine—*Pella-made*. Their fifteen patented features and seven years' successful history are assurances of satisfaction-giving to a degree no other rolling screens can offer. The coupon below brings you the complete story—without obligating you in the slightest.

*Special information, specifications and services to architects and builders on installations in new dwellings, hospitals, hotels, office and apartment buildings.*

# ROLSCREENS

• O F P E L L A •

ROLSCREEN COMPANY, 632 Main Street, Pella, Iowa

Please send illustrated booklet showing how Rolscreens can add beauty, convenience and utility to my home.

Name \_\_\_\_\_

Street \_\_\_\_\_ City and State \_\_\_\_\_

## The small boy comes into his own

Continued from page 343

Her request, however, found its answer in a chintz of pleasing apricot background, upon which were depicted interesting forms and figures of travel—carts and cars, horses and aeroplanes—motion and color. One chair was slip covered to match the curtains; another painted jade green was given a cushion of henna-toned rep, bound in a color to match the paint, and harmonizing with the henna spread upon the old spool bed.

An aquarium built securely into the window to prevent accidents, netted over the top to keep out small flashing fingers, afforded hours of enjoyment and much that was of interest and value. The soft jade woodwork and deep cream walls, with the occasional picture of deep sea life provided a scheme that pleased the young man himself and in which he took both pride and interest. I have found boys, regardless of age, enthusiastic over the possibilities, especially when they themselves are allowed to do the actual work.

For one small individual who, incidentally, selected his own material a room was developed in café au lait, blue-green, and coral. The colors were the direct outgrowth of a gay chintz wall hanging whose neutral ground displayed fast moving ships, sea shell, coral, and sea weed. From the latter came the blue-green, to be combined with coral, for contrast and warmth. The café au lait gave a splendid suggestion for painting the chest of drawers and the bed. The blue-green chair with its coral cushion and colorful boat upon its back was not without charm, nor was the old chiffonier for that matter, when its drawers had been lined and outlined with the two contrasting colors and black to enhance them both. The lighting fixtures were painted dull black to simulate the effect of wrought iron. Parchment shades, with the maddest of mad pirates guarding his gold, were added to the side lights. An old map suddenly found itself interesting when lightened by a painted border of dull gold and a thin line of coral. Two much-loved and badly bruised pictures were put into the good graces of the room, by covering the nicked and tarnished surfaces with a coating of dull black paint. Bedspread and curtains of casement cloth, in the same rich tone as the chest, found their surfaces relieved by appliqué borders of coral-sailed ships, riding relentless blue-green waves with apparent ease and certain grace.

For another lad who wanted "anything that looked like cinnamon toast," a scheme of browns, haunting rusty browns, dull coppery ones, with high light of yellow gold, was built. And, though they had no reference to the culinary requirements, blue and green were added. It was as refreshing and pleasing as a walk in the October woods, when the sun sifts through the bronze leaves.

There was the boy who himself sought out the decorator—much to his mother's amazement and much more to his father's disapproval, as he feared his son was developing effeminate tendencies because the latter showed an interest in his own surroundings.

The boy had little to spend, al-

though it was the result of long saving and denial. What he wanted most of all was a cabinet in which to display his mineral specimens. By taking the side cabinet from an old dresser in his room, putting legs on it, shelves and glass in it, he had a piece which filled his needs. The remaining drawers and the cabinet were painted a sturdy blue, with a trim of gold and green. The mirror from this same dresser was painted green and hung over the drawers. An old kitchen table properly cut down equipped with letter rack and an extra drawer, and dressed in a coat of green to match the bed, completed the made-over belongings of the room. His mother cooperated to the extent of putting a conventional border in blue and gold yarn upon the curtains and spread of beige homespun.

Since the room boasted nothing which could not and would not be practical, the boy's father contributed an excellent floor lamp of wrought iron to be placed beside the home-made bookrack, and an interesting desk lamp of dull brass which did not fail to cast its mellow beam upon the near-by cabinet.

Then there was the young ship builder in need of a background for his work. He found a desirable one in curtains of heavy blue rep, bound in red, and his ships took to the wind upon gay painted window ledges, with the pleasing blue back of them, suggestive of either sea or sky. He made his own furniture and stained it dark oak. The woven rug of brown and blue did not disturb the room, but bound itself to the interesting bit of hand-blocked tappa bark over the brown desk. The copper bowl upon the table and the India print in red and blue upon the bed might well have come to port in the gay Spanish galleon which sailed majestically across a stucco wall.

The vital red and strong contrasting black and white of a Navajo rug offered the necessary nucleus for the room of another growing boy. His greatest interest in life centered in Indian warriors and ancient crafts. Grayed walls toned into woodwork of a deeper shade. Black and red lines defined the baseboards and outlined the wall panels, giving a distinctive border to the time-dulled Indian rugs which hung in each of the four panels.

From the standpoint of texture and color, homespun offered the best solution for curtains and bed, both bordered in bands of black and red saffron, the latter boasting the added distinction of an ancient Indian symbol as a center motif.

Furniture was of grayed oak; Indian baskets were given prominent places in the room and on a low table with the "best authorities" of Indian lore, were two dull black pots, filled with a variety of desert cactus. Those lamps which were not of wrought iron were made from pottery, water jugs, to be exact, of dull red with black borders, and objects of much usefulness before they became the possession of their present owner.

Arrow heads, bead and silver work—even a scalp! had to have adequate display space. For this a carpenter came to the rescue, and took the library table in hand. By covering the top with gray felt, and building



### The small boy comes into his own

a wooden border three inches deep around the outer edge, there was depth enough for the display of all the smaller objects. A glass top, properly fitted hinged and equipped with locks, made of the table an enviable case and proved an object of interest to all visitors. Indeed the popularity of the room eventually caused the youthful occupant to tack up a card which read as follows:

"To Whom It May Concern:  
This room open to visitors from 2-5  
Saturdays only  
No small children allowed"

All of which brings us to the original consideration of the problem. How much longer must we wait for mothers to recognize the signs of interest and to admit that a boy's likes and dis-

likes, his vocational tendencies, and certainly his taste in after years may have as their beginning, attractive and interesting surroundings of early years. We want our men to be in sympathy with the beautiful objects that please us and yet during the formative years we deny them the chance to learn what is really beautiful.

We give our girls the opportunity for self expression, for frills and fur-belowes, but let the boy so much as express a desire for color and we seize upon the idea of his effeminacy and discourage him.

If he fails to speak of it himself or to express any desire for a change in his room we assume that he neither desires nor cares for such things. But try him out sometime.

### Painting for proper protection

*Continued from page 346*

over old paint. The pigment of the best kind is pure aluminum powder, the grains of which are tiny, flat leaves which interlace and lie on the surface like a continuous sheet of thin metal. Two pounds of this powder should be mixed as required with a liquid or vehicle as supplied by one of the reputable paint manufacturers.

The liquid is a highly elastic varnish, made up of heat-treated drying oils, with or without one or the other of the varnish gums. The omission of the gum gives a softer film. The writer's preference is for the gum-bearing vehicle, since it has all the additional protective powers of an equal grade of varnish.

As a primer, or first coat, aluminum paint has enough roughness to give a key to any kind of good paint laid over it. A great advantage of this paint is that it flows very easily, requiring much less effort to spread it and a thin coat of it gives full coverage over a base of any color, even black. It can also be sprayed readily.

One sees all kinds of weird recommendations for paint to cover brick, concrete, or stucco from whitewash up. Since the material to be painted is porous, it seems obvious enough that a film coating, while practicable, is not usually the best. With rough-cast stucco, for instance, it may destroy the grain and character of the surface. There is another class of masonry paints called impregnations, because they are flowed on the surface in saturating quantities and soak in before they take a set.

One such material waterproofs the stucco or brick, freshens up its color, and prevents the formation of efflorescence, the white stains often seen on masonry walls. It is colorless or tinted in a variety of pastel shades. The base of the material is mineral gum and wax with a vehicle which is easily brushed on or sprayed, penetrating deeply in either case.

The reason so little is heard about spraying, is that the painters' unions prohibit the use of sprays. In fact, spraying is an efficient and cheap way to apply paint to large unbroken surfaces. There are contractors who have spray outfits on trucks and undertake work in which that method is used. Small hand sprays, operated by electric motors and carrying a quart or two of paint

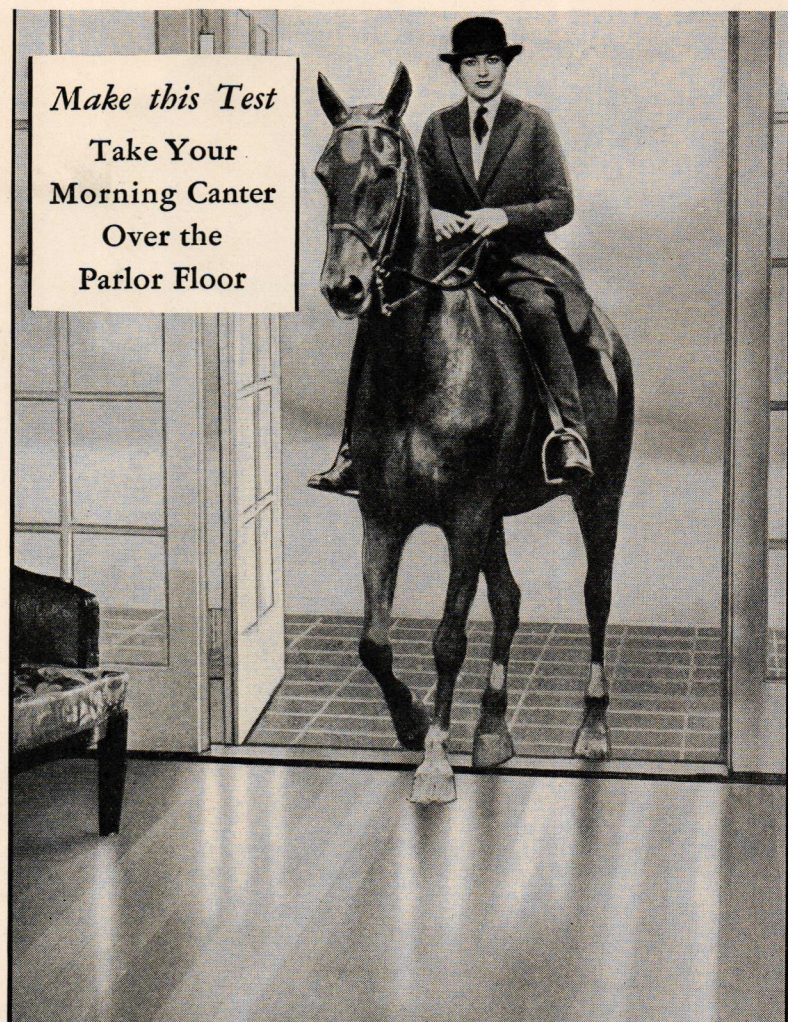
are also to be had. They are excellent for general maintenance work.

Now we come to the cost of repainting the outside of the house. If bids are taken, they will most likely range from \$200 for the smallest kind of a house to about \$1,000, for a two-coat job all over the exterior walls of a nine or ten room house.

It is possible to estimate roughly how much it will cost from this data:

Most good exterior paints will place two coats on 300 to 375 square feet of wall, and one coat on about 600 square feet, per gallon of paint, at \$5.00 to \$4.50. The labor cost varies, naturally, according to what you pay a painter a day and on how much of the work you do yourself. It also depends on the number of sash, ornateness of the building, porches, cornices, number of blinds, scaffolding needed, and so on. A reasonable day's work for a man would be about 400 square feet of one-coat work on the entire side of a house, including everything—although, of course, this is merely a rough approximation. It does not sound like much, 20 feet by 20 feet, but when one considers the moving of ladders and scaffolds, cleaning off old paint, painting blinds and sash, our approximation is probably not far wrong.

Painters get \$12.00 a day on a Union job in 1932 in the vicinity of New York. At that rate the labor accounts for 3 cents a square foot per coat; 6 cents for two coats. (As a matter of fact, some painters near New York are working for \$8.00 a day and that would make the cost 2 cents a square foot.) The paint costs about 1 cent a square foot for two coats, so the job will average around 7 cents a square foot for a two-coat job. To estimate the approximate cost, consider the walls as solid and find their area. Thus a house 30 feet by 40 feet, 30 feet high, has a wall area of 30 x 2 plus 40 x 2 multiplied by 30, equalling 4,200 square feet. At 7 cents a foot, it would cost about \$294.00 to paint it, buying one's own paint and paying for labor at the full Union rate. If the work is done by contract, it may cost more, but of course the owner has the benefit of dealing with a responsible and experienced man whose careful supervision of the job may mean much in the long run.



*Make this Test*  
Take Your  
Morning Canter  
Over the  
Parlor Floor

## Discovered! A Wax that Resists the Hardest Wear — cuts work in half!

Now, after years of research the way has been discovered to blend and emulsify a super-fine wax compound that will go on the floor more easily—actually cuts work in half—and give the floor a beautiful, lustrous surface that neither pounding feet nor scraping chairs can mar. It is called the Koric Process.

Test this new wax compound on the busiest floor in your home and we promise that you'll never use another wax.

First of all you'll discover that it is easier to handle, almost as easy to put on a floor as sweeping. It adorns the room with new beauty.

Then, with the passing of time your

admiration will increase. You'll note that floors don't require so much dusting and sweeping and the hard wax resists wear much longer than you've ever expected.

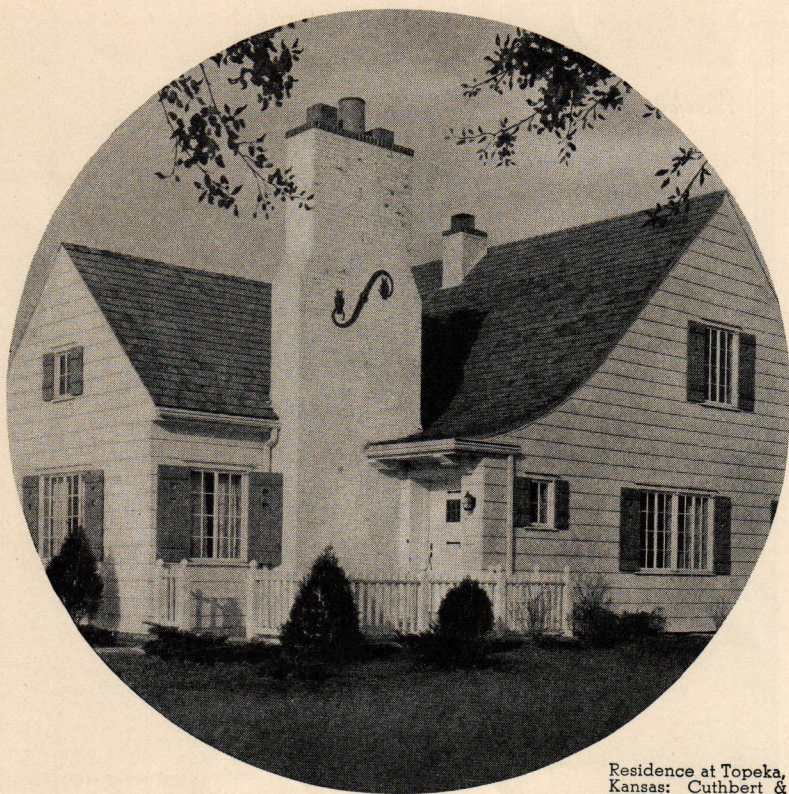
Now—with less work, keep your floors looking like new—whether they are varnished, shellacked, painted, stained or covered with linoleum. Bring out the beauty of the natural woods in your furniture. Use this new wax on floors and furniture.

*Remember:* There's just one—only one—wax prepared by the secret Koric Process and that is OLD ENGLISH. There is no substitute, so demand it by name! Sold by all dealers. Made by The A. S. Boyle Co., Cincinnati, Ohio.

# Old English Wax

PASTE and LIQUID





Residence at Topeka, Kansas: Cuthbert & Suehrk, Architects. Walls and chimney finished with Cabot's DOUBLE-WHITE Collopakes. Winner of 1st Prize in competition of Kansas Chapter, A.I.A.

# Make Your Home Look Like New Now and Next Year

**T**HE whiter brilliancy of Cabot's DOUBLE-WHITE will make your home stand out from all others and look like new this year and for years to come. DOUBLE-WHITE stays clean and WHITE. Made on a new colloidal principle, fewer coats of it go further. Because of this, and because you have to re-paint less often, DOUBLE-WHITE saves money. Finish your trim with Cabot's Gloss Collopakes in unfading greens or other colors. Other Collopakes are Interior Flats, Enamel, and Semi-Flats. Ask your painter to use Cabot's DOUBLE-WHITE and Cabot's Collopakes. Send the coupon below for more information.

# Cabot's DOUBLE-WHITE Collopakes

Made by the makers of Cabot's Heat-Insulating "Quilt"

*Samuel Cabot*  
INC.

MANUFACTURING CHEMISTS  
141 Milk Street  
BOSTON, MASSACHUSETTS

Please send me Color Card and full description of Cabot's DOUBLE-WHITE and Collopakes. I am interested in ( ) Outside painting, ( ) Inside painting (check which)

Name .....  
Address ..... A H 3-32

## HELPFUL BOOKLETS

ARE YOU faced with some problem in constructing, remodeling, furnishing, or equipping your home? There are many helpful ideas and suggestions contained in the literature of reputable manufacturers.

Read the advertisements in this issue carefully and request literature direct from the advertiser wherever possible. Then, if you do not find what you are looking for, scan this list.

The American Home acts as a clearing house between reader and manufacturer. You can order the booklets you wish on the coupon at the bottom of page 355. We will forward your name and address to the manufacturers involved, and they will send their literature direct to you.

—HEARTHSTONE EDITOR.

ORDER BY NUMBER ONLY, USING COUPON ON PAGE 355

### Building Material & Equipment

<b>Bathroom Fixtures &amp; Plumbing Supplies</b>	HOME COMFORT THAT PAYS FOR ITSELF <i>Wood Conversion Co.</i> 434
	INCREASING HOME ENJOYMENT <i>Insulite Co.</i> 284
THE VITAL ELEMENT (WROUGHT IRON PIPE) <i>A. M. Byers Co.</i> 196	HOME INSULATION <i>Johns-Manville Co.</i> 616
RUST PROOFED <i>American Brass Co.</i> 217	IT SAVES—IT BUILDS—IT INSULATES <i>Johns-Manville Co. (Wallboard)</i> 679
BATHROOM ARRANGEMENT <i>Crane Co.</i> 32	NEW HOME COMFORT AT LOWER COST <i>Armstrong Cork &amp; Insulating Co.</i> 724
MAKING BATHROOMS MORE ATTRACTIVE <i>C. F. Church Mfg. Co.</i> 31	
ONE PIECE WATER CLOSETS <i>W. A. Case &amp; Sons</i> 568	<b>Paints &amp; Varnish</b>
HOT WATER SUPPLY <i>American Radiator Co.</i> 440	SHINGLE STAIN <i>Samuel Cabot, Inc.</i> 160
	ALUMINUM PAINT—A METAL PIGMENT PRIMER COAT <i>Aluminum Co. of America</i> 538
<b>Fireplaces and Accessories</b>	CREO-DIPT BRUSHCOAT STAINS AND COLOR CHART <i>Creo-Dipt Co.</i> 645
FIREPLACE UNITS <i>Heatlator Co.</i> 419	
	<b>Portable and Ready Cut Houses</b>
<b>Garbage Incinerators, Sewage Disposal &amp; Water Systems</b>	PLANS OF CUT HOMES <i>The Gordon Van Tine Co.</i> 341
DEPENDABLE SEWAGE DISPOSAL <i>San-Equip, Inc.</i> 526	HOUSES—SECTIONAL <i>E. F. Hodgson Co.</i> 25
D. L. RESIDENCE WATER SYSTEMS <i>Delco Appliance Corp.</i> 683	
	<b>Roofing and Shingles</b>
<b>Hardware</b>	COLOR IN ASBESTOS SHINGLES <i>Johns-Manville, Inc.</i> 14
GOOD BUILDINGS DESERVE GOOD HARDWARE <i>P. &amp; F. Corbin Co.</i> 186	THE CONSTRUCTION OF THATCH ROOFS <i>Weatherbest Stained Shingle Co.</i> 84
HARDWARE FOR UTILITY AND ORNAMENTATION <i>Sargent &amp; Co.</i> 464	WEATHER EFFECT SHINGLES <i>Ambler Asbestos Shingle &amp; Sheathing Co.</i> 529
FLOOR PROTECTION—NO MAR FURNITURE RESTS <i>Bassick Manufacturing Co.</i> 667	NEW ROOFS OVER OLD <i>Barber Asphalt Co.</i> 481
	MAKING OLD HOUSES INTO CHARMING HOMES <i>Weatherbest Stained Shingle Co.</i> 662
<b>Heating Plants &amp; Accessories</b>	BEAUTIFY YOUR HOME—INEXPENSIVELY <i>Johns-Manville, Inc.</i> 677
COMFORT HEAT <i>Burnham Boiler Corp.</i> 281	SUPERIOR ROOFS, LEADERS, GUTTERS & DOWNSPOUTS <i>Wheeling Metal Mfg. Co.</i> 407
A MODERN HOUSEWARMING <i>U. S. Radiator Corp.</i> 172	
CAPITOL CAST IRON CONCEALED RADIATORS <i>U. S. Radiator Corp.</i> 707	<b>Windows, Doors &amp; Screens</b>
CADWELL RADIATOR AIR VALVES <i>The Beaton &amp; Cadwell Mfg. Co.</i> 513	CONVENIENCE IN SCREENS <i>Rolscreen Co.</i> 352
COMFORT, CONVENIENCE & CLEANLINESS OF IDEAL GAS BOILERS <i>American Radiator Co.</i> 618	YOUR WINDOWS THROUGH A DECORATOR'S EYE <i>David Lupton's Sons Co.</i> 521
THE DOHERTY-BREHM HUMIDIFIER <i>Doherty-Brehm Co.</i> 659	SCREENING YOUR HOME <i>The Higgins Mfg. Co.</i> 27
HOME VENTILATION <i>Cincinnati Victor Co.</i> 704	QUALITY IN GLASS FOR WINDOWS <i>Libbey-Owens-Ford Glass Co.</i> 670
HEATMASTER (SURFACE COMBUSTION WARM AIR FURNACE CATALOGUE) <i>Surface Combustion Corp.</i> 725	DECORATE YOUR HOME WITH CASEMENTS <i>Detroit Steel Products Co.</i> 453
CONTROLLED HEAT <i>Hoffman Valve Co.</i> 727	
HOW TO LOCK OUT AIR, THE HEAT THIEF <i>Hoffman Valve Co.</i> 728	<b>Walls &amp; Floors</b>
HUMID-HEAT AIR CONDITIONING RADIATORS <i>Utica Radiator Corp.</i> 753	AMBLER ASBESTOS "WALTILE" <i>Ambler Asbestos Shingle &amp; Sheathing Co.</i> 528
	CROMAR OAK FLOORS <i>The Cromar Co.</i> 682
<b>House Building Materials</b>	BEAUTIFUL FLOORS AND SAVING OF HUNDREDS OF DOLLARS <i>Ponell Floor Machine Co.</i> 425
BEAUTIFUL HOMES OF CONCRETE MASONRY <i>Portland Cement Ass'n.</i> 496	COLORFUL WALLS FOR BATHROOMS AND KITCHENS (TILE BOARD) <i>Johns-Manville, Inc.</i> 678
BEAUTY IN BRICK <i>The Finzer Bros., Clay Co.</i> 681	UPSON FIBRE TILE, UPSON BOARD <i>Upson Board Co.</i> 164
LOG CABINS UP TO DATE <i>Shevlin, Carpenter &amp; Clark</i> 612	UPSON RELIEF CEILINGS <i>Upson Board Co.</i> 603
NEW BEAUTY FOR THE NEW HOME—GIVING THE OLD HOUSE A NEW LEASE ON LIFE (SHINGLES) <i>Creo-Dipt Co.</i> 759	CHARACTERFUL WALLS & CEILINGS <i>Upson Board Co.</i> 604
HOW TO PANEL A ROOM WITH KNOTTY PINE WORKING DRAWINGS & ESTIMATES <i>Shevlin Pine Sales Co.</i> 752	WILL YOUR HOUSE BE AS BEAUTIFUL INSIDE AS OUTSIDE? (TILE) <i>The C. Pardee Wks., Inc.</i> 522
	<b>Awnings, Porch Shades &amp; Blinds</b>
<b>House Wiring Installation</b>	COLLMOR PORCH SHADES <i>Raymond Porch Shade Co.</i> 708
HOME OF A HUNDRED COMFORTS <i>General Electric Co.</i> 500	TODAY'S STYLES IN AWNINGS <i>Otis Company</i> 590
<b>Insulating Materials</b>	
THE BUILDING BOOK <i>Celotex Co.</i> 415	
THE QUILT BOOK <i>Samuel Cabot, Inc.</i> 397	



HELPFUL BOOKLETS

ORDER BY NUMBER ONLY, USING COUPON BELOW

House Furnishings

Drapery & Upholstery Fabrics & Equipment

HOW TO DRAPE YOUR WINDOWS  
*Kirsch Co.* 53

COLOR HARMONY IN THE HOME (DECORATIVE FABRICS)  
*Celanese Corporation of America* 701

COLOR, THE SECRET OF BEAUTIFUL HOMES  
*Orinoko Mills* 75

BRIGHT NEW WAYS TO DRAPE YOUR WINDOWS  
*Marshall Field & Co.* 719

Floor Coverings and care of

BEAUTIFUL FLOORS (WAX)  
*A. S. Boyle Co.* 50

THE SECRET OF BEAUTIFUL FLOORS  
*Floorola Corporation* 657

REDUCING THE CARE OF FLOORS & FURNITURE  
*S. C. Johnson & Son (wax & machine)* 54

FOR THAT NEW HOME OF YOURS  
*Armstrong Cork Co.* 83

COLOR AND CHARM IN HOME INTERIORS  
*Congoleum-Nairn Inc.* 706

FACTS YOU SHOULD KNOW ABOUT THE CARE OF RUGS & CARPETS  
*Clinton Carpet Co.* 156

INSIDE FACTS ABOUT OUR WHITTALL RUGS AND CARPETS  
*M. J. Whittall Associates* 178

GIVE YOUR FLOORS A FRESH START IN LIFE. (DOUBLE X FLOOR CLEANER)—(SAVABRUSH RESTORES OLD PAINT BRUSHES)  
*Schalk Chemical Co.* 730

Furniture

THE FRIENDLY CHARM OF COLONIAL FURNITURE  
*Conant-Ball Company* 608

NEW ARTISTRY IN RADIATOR CONCEALMENTS  
*Tuttle & Bailey* 227

Gardens and Grounds

Garden Furniture, Fences & Decorations

CONCRETE IMPROVEMENTS AROUND THE HOUSE  
*Portland Cement Ass'n.* 497

PRESERVE THE CHARM OF YOUR HOME  
*Stewart Iron Works Co.* 371

THE NEW LINCRAFT BOOK OF FENCES & FURNITURE  
*New Jersey Fence Co.* 700

A MASTER CRAFTSMAN SUGGESTS WAYS TO ENRICH HOME LIFE  
*Cyclone Fence Co.* 418

Gardens

WHEN YOUR TREES NEED THE TREE SURGEON  
*Davey Tree Expert Co., Inc.* 191

HOW TO GROW ROSES  
*Bobbink & Atkins* 676

INSECT PESTS, INDOORS & OUT  
*Antrol Laboratories, Inc.* 336

GARDENING SUCCESS  
*Swift & Company* 577

THE SEEDING AND CARE OF LAWNS  
*O. M. Scott & Sons Co.* 537

House Furnishings, Miscellaneous

THE GLASS OF FASHION (TABLE DECORATIONS)  
*Fostoria Glass Co.* 133

HOW FOSTORIA GLASSWARE IS MADE  
*Fostoria Glass Co.* 731

NORTH STAR BLANKET AND WAMSUTTA SHEET CATALOGUE  
*North Star Woolen Mills Co.* 663

TIDY CLOTHES CLOSETS  
*Knape & Vogt Mfg. Co.* 655

CLOCKS IN THE MODERN HOME  
*The Clock Mfrs. Ass'n. of America* 575

Kitchen and Laundry Equipment

THE DAWN OF A NEW DAY  
*The Walker Dishwasher Co.* 454

ELECTRIC REFRIGERATION  
*Frigidaire Corp.* 41

EBCO KITCHEN SINK  
*Ebinger Sanitary Mfg. Co.* 638

THE GENERAL ELECTRIC REFRIGERATOR SIMPLIFIED BUDGET BOOK  
*General Electric Co.* 665

DELCO GAS—MODERN COOKING & HEATING SERVICE FOR THOSE BEYOND THE CITY GAS MAINS  
*Delco Light Co.* 686

Wall Paper and Wall Coverings

THE MODERN TREND IN WALL COVERINGS  
*Columbus Coated Fabrics Corp.* 605

HOW TO MODERNIZE YOUR HOUSE WITH WALL-PAPER  
*Wallpaper Guild of America* 81

THE IMPORTANT POINTS OF INTERIOR DECORATION  
*Columbus Coated Fabrics Corp.* 661

WALL COVERINGS (SANITAS)  
*Standard Textile Prod. Co.* 78



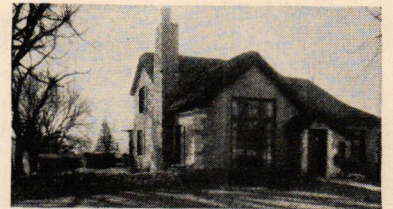
..with this proved, low cost method

YOU who are building a new home... heed this warning! This year—above all years—watch out for half truths! Insist on value... especially in house insulation. Go to any reliable lumber dealer... get the facts that prove you can now build these important factors into your home:

- (a) 2 times the resistance to winter cold that even the common "insulations" can give
- (b) 2 times as great a health factor
- (c) 2 full times the fuel saving

In the Balsam-Wool method—backed up by nine years of nation-wide usage, approved by building authorities—you add this double value feature to your home.

Balsam-Wool is far more than just common "insulation". It is true insulation applied by the double-air-space



It pays back 25% on investment, first year! Because his home is completely insulated with Balsam-Wool, Dr. H. L. New, Jacksonville, Ill., estimates that he is saving 25% on fuel bills every winter, and making his gas heating plant the most economical in the city

method. The little it costs is paid back to you in fuel savings far more quickly. Ask for proof!

Balsam-Wool, in thick, blanket-like strips, tucks in between the framing members—seals every crack and crevice as only a flexible insulation can. Fits snug—keeps costly furnace heat in—summer heat out.

Go to your retail lumber dealer—today. Find out for yourself how easily you can give your present or prospective home 2 times the value in comfort, fuel savings, health. Or send the coupon. Full details will be mailed.

WOOD CONVERSION COMPANY  
Cloquet, Minnesota

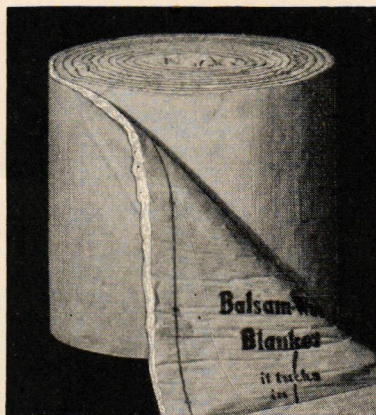
NOW—MAIL THIS COUPON  
Wood Conversion Company,  
Dept. G-7, Cloquet, Minn.

Please send me facts and figures—without any obligation on my part—on how I can give my home 2 times the value in comfort, fuel savings, health.

Proposed New Home  Present Home

Name.....

Address.....



Pays for itself faster

It tucks in

**Balsam-Wool** Blanket

THICK... FLEXIBLE INSULATION... EFFICIENT

HEARTHSTONE EDITOR, THE AMERICAN HOME, GARDEN CITY, N. Y.

1. I am planning to.....

2. Please send (at no expense to me) the following booklets.  
(Insert numbers from list)

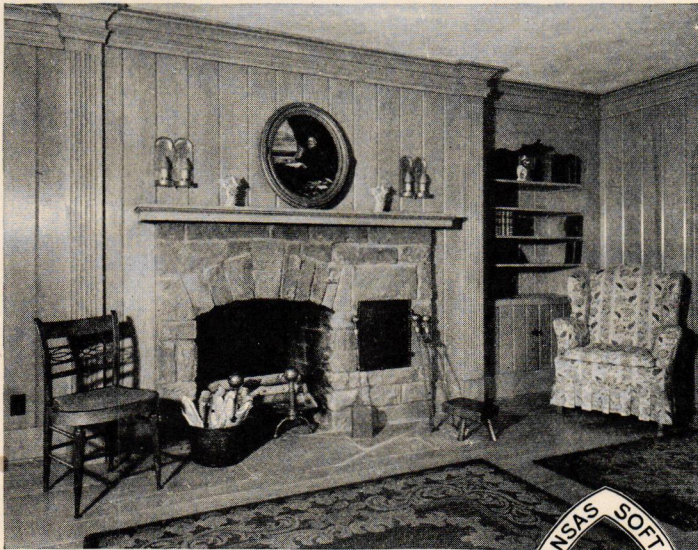
Name.....

P. O. Address.....

City..... State..... MAR. 32



# NEW INTERIORS for OLD!



**YOU** can preserve . . . at amazingly low cost . . . all the priceless associations of the home you love, and still bring that home in harmony with the new decorative fashion, by doing over your rooms with beautiful walls of Satin-Like ARKANSAS SOFT PINE.

Interior walls finished in this splendid wood have no equal in beauty . . . in warmth to the eye and spirit . . . in choice of finishes . . . in freedom from disfiguring cracks . . . or in dependable, fuel-saving insulation against dampness and cold.

With an interior wall of Arkansas Soft Pine, you may have the "homey", friendly informality illustrated above . . . or the dignified atmosphere which goes with paneling of conventional design.

Beautiful in its soft mellow tone and natural lustre . . . of the finest texture and pleasing figure . . . suited to every modern finish in stain or natural effects . . . scientifically seasoned and certified by trade and grade marks . . . ARKANSAS SOFT PINE offers you this new interior beauty for your home at a price in keeping with today's adjusted values.

Write today for your free copy of "New Interiors for Old," and see for yourself the attractive designs you may choose from . . . and at what small cost. This is, indeed, the price opportunity of a generation . . . mail your request now!

## ARKANSAS SOFT PINE BUREAU

345 Boyle Building  
Little Rock, Arkansas

[ Arkansas Soft Pine is sold by lumber  
and millwork dealers east of the Rockies ]

### Prize winning homes

Continued from page 345

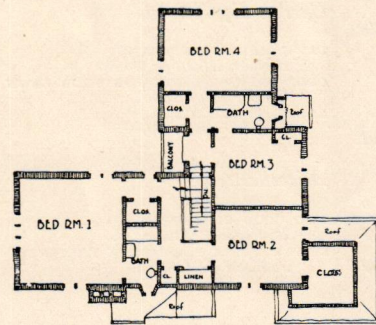
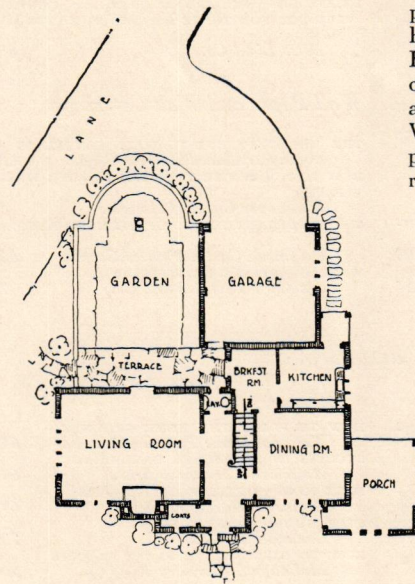
Below are shown the floor plans for Mr. Spence's house which won first prize for houses costing less than \$20,000 to build. Reference to page 344 will show that this house is of typical Tudor design. The chimney, which was always made one of the most important features of Tudor houses, has been handled in the same bold way that characterizes this style. Mr. Spence's house was completed last fall at a total cost, exclusive of lot, of less than \$18,000. It is located at 214 Upnor Road in Baltimore, Maryland.

The floor plans of Mr. Willard's house, below at the right, also show the informal arrangement common to English houses. Mr. Willard writes us that he has "long had a theory that a small, inexpensive house need not necessarily be com-

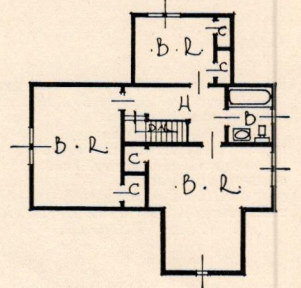
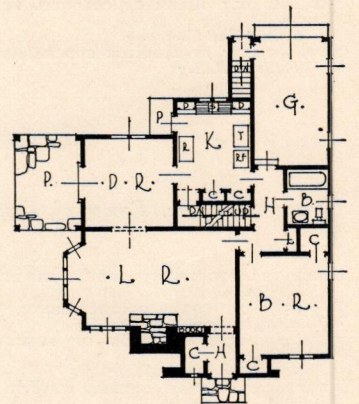
monplace." THE AMERICAN HOME so firmly believes in this same theory that we are pleased to demonstrate how well Mr. Willard's architect justified his belief. The house was built two years ago for approximately \$9,000 exclusive of land. It is on Wellington Avenue, Short Hills, New Jersey.

Mrs. Mattison, whose living room at Lake Mahopac won first prize for rooms costing less than \$1,500 to furnish, writes us that the color scheme of this room is composed of dull plum and Chinese yellow, two colors which predominate in the quaint old tiles used around the fireplace.

We are pleased to record that after the prize was awarded to Mrs. Pickel, whose living room cost less than \$750 to furnish, she wrote us that she got many of her ideas "for its attractive points, such as cupboards, paneling, hardware, etc., from your AMERICAN HOME magazine." The furnishings of the room are in tones of mulberry and all the furniture is mahogany. We regret that we have not space to publish other pictures of Mrs. Pickel's room or describe it more fully.



Mr. Spence's house



Mr. Willard's house

### The American Home Employment Plan

Continued from page 348

may also be insulated with flexible or blanket type insulating materials which are nailed to or between the rafters, or with the adhesive flake type material that is blown onto the roof and wall surfaces by air pressure.

(d)—Ceilings of the upper story rooms may be lined with fibrous insulating boards over which plaster or plastic paint is applied as a decorative finish.

Also consider having the side walls of the house insulated for a further improvement in both summer and winter comfort. This can be done with minimum disturbance by using the air-blown types of insulating materials which are forced into the

dead-air spaces in the walls by special machinery. Consult manufacturers of various types of insulating materials regarding the solution of your problem.

85. Line unfinished attic space with insulating boards or plaster to create extra room or playroom. In addition to the advantage of reducing winter heat losses and excessive summer heat by lining the attic space with suitable insulation, there is the possibility of converting this space into a playroom or extra bedroom by finishing the underside of the rafters. Most of the rigid insulating boards are suitable for this purpose and may be (Continued on page 360)



## The American Home Employment Plan

### CHECK LIST

Reprints of this check list in page form may be secured at cost from THE AMERICAN HOME, Garden City, N. Y. Single Copies, 2 cents for return postage; 10 copies, 16 cents; 100 copies, \$1.50; 1,000 copies, \$14.50; 5,000 copies, \$33.50; 10,000 copies, \$53.00.

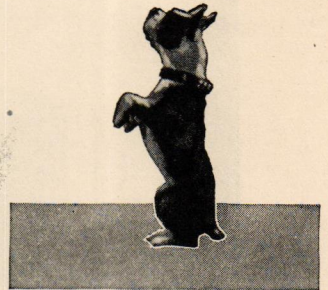
Read this list through for improvements that fit your home; then consult your local unemployment committee for men competent to submit estimates and perform the work. This is the final article in this series, twenty items having been discussed in detail in each of the four preceding issues. The letters after the various items in the list below indicate the month in which these items were discussed.

1. Develop basement playroom. D
2. Install cedar lining in one or more existing closets. D
3. Repair or replace gutters, leaders, or flashings. N
4. Install dormer window or skylight to make attic space useful. N
5. Repair existing roof; restrain or apply preservative to wood shingles; repaint canvas roofs; stop leaks. N
6. Reroof with wood, asphalt, asbestos or metal shingles, slate, clay tile, or metal. N
7. Repair or replace hardware; correct sagging doors or defective windows.
8. Install a package receiver. F
9. Convert coal-fired boiler or furnace to burn low-cost pea coal. J
10. Apply asbestos or other heat insulating covering on pipes and boiler to reduce waste of fuel. F
11. Reconstruct and straighten warped chimneys, add chimney pots, repair joints to improve draft. N
12. Construct new outside chimney for new fireplaces. N
13. Clean chimney flues; clean out ash pits, repair flue connection; reset furnace. N
14. Install an incinerator. F
15. Modernize exterior of house by applying shingles, brick facing, stucco, etc., over present exterior. N
16. Repair porch railings, floors, steps, etc.
17. Add new porch or enclose existing porch with glass to make new sunroom. N
18. Construct new removable winter vestibules for exposed doors. N
19. Build portable screen enclosure for open porch for summer use.
20. Prepare window and door screens for next season's use, including rewiring and repainting. Also consider installation of new screening of modern type.
21. Install full-length mirrors on bedroom doors. D
22. Install modern closet fittings, such as shoe racks, clothes hangers, linen shelves, storage drawers, etc. D
23. Install booster fan on warm air pipe leading to underheated room. J
24. Correct the heating of a cold room. J
25. Repaint exterior of house in fall while weather permits. N
26. Modernize floor plan of house by combining two rooms, changing or removing partitions, etc. J
27. Convert large closet into an extra toilet or shower room. D
28. Provide extra bedroom by subdividing large room, by using waste space in attic, or by addition. J
29. Install wash basin in bedroom. D
30. Install door bed in sewing

- room, library, or other extra room (having a closet) to make it a convertible bedroom for occasional guests. J
31. Enlarge existing garage or build new garage. N
32. Remove dead wood from trees and shrubs and have tree surgeon repair decayed parts of important trees. F
33. Reconstruct dry-wells; carry drainage from leaders further from foundation; or apply waterproof membrane around exterior of basement walls before ground freezes (to forestall flooded cellars in spring where conditions indicate need). N
34. Modernize existing bathroom—new wall treatments, flooring, fixtures, medicine cabinet, etc. D
35. Build new closets. J
36. Provide outside accessories such as window boxes, trellises, bird houses, etc., ready for use in spring.
37. Erect new fences, gates, arbors, pergolas and other garden structures.
38. Construct concrete, stone or brick walks, terrace, or steps. N
39. Conceal all radio wiring, including aerial and ground wires. D
40. Install new concealed radio wiring to permit use of extension speakers in bedrooms, dining room, or attic or basement recreation room. (Note: The average standard commercial receiver will operate from two to ten reproducers, permitting use of radio in any part of the house without moving the receiver). D
41. Install remote control for radio receiver, built-in speakers, etc. D
42. Modernize the kitchen arrangement for more efficient work. J
43. Build breakfast nook in unused part of kitchen or pantry, or build new breakfast porch. J
44. Install new kitchen or pantry cupboards and closets or modernize storage space. J
45. Install oil burner, automatic stoker (coal or coke), or gas burner in heating plant. D
46. Relocate or replace radiators. J
47. Install movable disappearing stairway for space economy. J
48. Convert warm air heating plant to modern forced circulation system with humidification. N
49. Convert one-pipe steam heating system to vapor-vacuum system for more uniform heating and fuel economy. N
50. Improve operation and efficiency of two-pipe steam, vapor, or hot-water system. N
51. Install high-efficiency boiler, furnace, or air conditioning heater. N
52. Replace common glass with ultra-violet ray (health) glass in nursery, sunporch, or all windows. D
53. Install modern thermostat. D
54. Install air-moistening (humidifying) equipment to create more healthful conditions (now possible with any type of heating system). D
55. Weatherstrip doors and windows. N
56. New storm sash or double windows for exposed rooms. N
57. Install fuel lift from basement wood pile to near fireplace in living or dining room. D

(Continued on page 359)

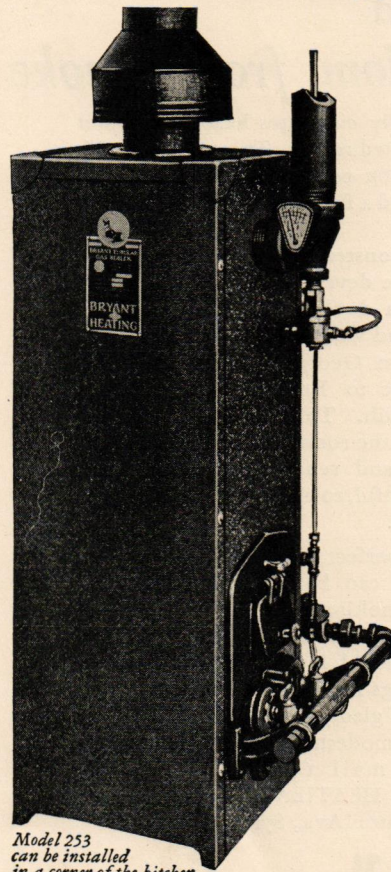
no home NOW  
too modest  
for GAS  
heating



TODAY, in order to deserve the adjective "modern," a

house must enjoy automatic heating, preferably with gas, the cleanest and most accurately controllable of all fuels.

The new, compact and highly efficient Bryant Boiler Model 253—smaller than a 4-drawer office filing cabinet—delivers all of the joys and comforts of automatic gas heat at a cost that any house-owner can easily afford.

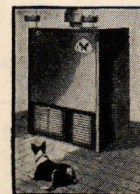


Model 253 can be installed in a corner of the kitchen.

In first cost and in operating cost it is fitted to the modest house and the modest purse. Entire neighborhoods of two hundred up to five hundred homes are being equipped with Bryant Model 253 Boilers. Scores of old houses are being modernized and increased in value by replacing old-fashioned heating plants with this clean, fuel-saving, space-saving equipment. Many homes are finding surprising savings compared with previous appliances.

Bryant Model 253 is the complete answer to the small-house heating problem. Full details on request. The Bryant Heater & Manufacturing Co. 17815 St. Clair Ave., Cleveland, Ohio.

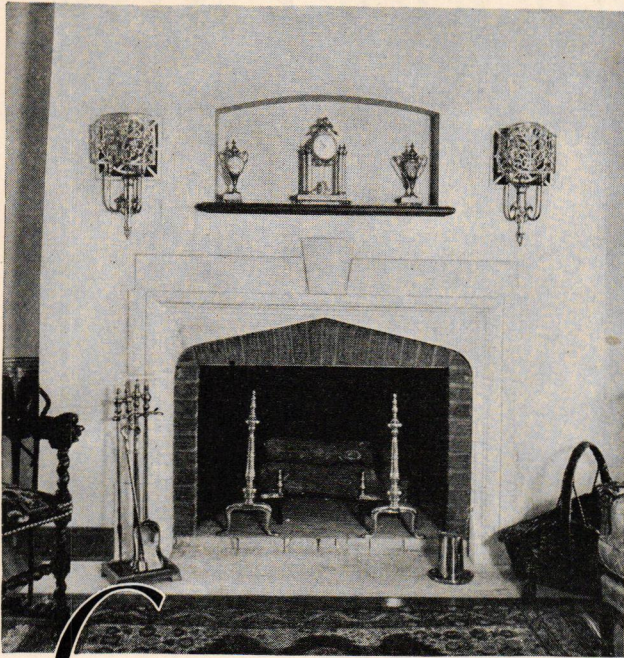
BRYANT  
Automatic GAS  
HEATING



Lets your pup be your furnace man



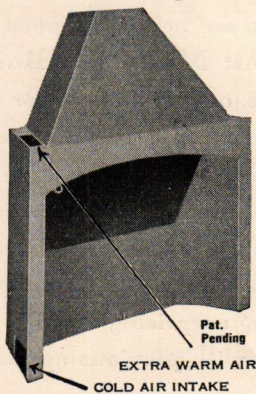
## Choose Your Own Fireplace Design



## Get Circulated Heat and Guaranteed Freedom from Smoke

At last—a fireplace that actually circulates heat throughout the living room and connected rooms. That assures a uniformly heated living room, during cool spring and fall days. No draughts. No cold floors. And a fireplace that is GUARANTEED not to smoke.

These advantages in fireplace construction are made possible by the development of the Heatilator—a double walled metal form, around which any style of fireplace—from Georgian to Tudor—from Rustic to Renaissance—can easily be built. This unit takes cold air from the room, passes it around the fire, and sends it out warm and healthful, to circulate over the entire room.



This is the Heatilator Unit around which the masonry is laid. Cold air is drawn into the double-walled chamber from openings within the room or outside. The air is heated and comes out above. Both intake and outlet openings may be located wherever you desire.

A perfect fireplace is guaranteed; there can be no disappointments, no smoking with the scientifically constructed Heatilator. The small additional investment is offset by savings in labor, materials and fuel. We'll gladly send you full details of this modern fireplace. Just fill in and mail the coupon today. THE HEATILATOR CO., 513 E. Brighton Ave., Syracuse, N. Y.

# Heatilator Fireplace

MAIL THE  
COUPON FOR  
FREE  
DETAILED  
INFORMATION

HEATILATOR COMPANY

513 E. Brighton Ave., Syracuse, N. Y.

Send me without obligation full details of the Heatilator, also, nearest dealer's name. I plan to build  remodel  (which) No. fireplaces.

Name.....

Address.....

## Lily ponds without mosquitoes

by JULIA A. HOWELL

U. S. Health Service Malaria Investigations

FOR the very good reason that the water garden is a manifestation of the aesthetic tastes of the home owner it should be commended and encouraged; but on the other hand there is the counter argument that it is a breeding place for mosquitoes. This is recognized and is generally met by putting some fish or other "life" in the pool.

A majority of people seems to be under the impression that goldfish placed in waterlily ponds are sufficient to control any mosquitoes that might breed there, but such is not the case. Goldfish are useful only to a limited extent. They are slow, lethargic, and lazy. Although they will consume any larvae which may chance to float their way, they will not make an effort to secure mosquito larvae in preference to other forms of food. In fact, goldfish will often eat dead insects in preference to mosquito larvae.

### INTRODUCE THE TOP MINNOW

The hardiness, voracity, and abundance of the tiny top minnow, known as *Gambusia affinis*, which is indigenous to the malaria belt, recommends it as a larvivorous fish. It is a surface feeder and is very prolific. These are two important factors to be considered in selecting the fish to be used, because the larvae of the malaria-conveying mosquito live, move about, and float on the surface of the water and because it is important that the pool be kept well stocked at all times. A few of these top feeders introduced into a pool formerly stocked only with goldfish will affect a decided decrease in the mosquito breeding. It is simple enough to combine the aesthetic with the practical here, inasmuch as the gambusia and the goldfish will live together in the same pool—the one ridding it of mosquitoes and the other adding the desired attractiveness.

In parts of the country where gambusia is not a native fish, it is probably more practical to use an indigenous fish which possesses larvivorous qualities similar to those of this top minnow. It must be a fish that feeds at the surface of the water, that is alert, quick, active, carnivorous, and prolific if it is to be effective.

### SUBMERGE THE PLANTS

The task is not complete when a suitable fish has been placed in the pool. The larvae will cling to any foliage or waterlily pads on the surface of the water or vegetation at the edges of the pool, where the small fish are unable to find them. This difficulty may be overcome by submerging the plant growth so that the larvae will be accessible to the fish. This can be accomplished by using a screen constructed of coarse wire, such as chicken wire netting, to hold the plant just beneath the surface of the water. If this is done for at least an hour once each week, it will be found very advantageous—and it

is interesting to watch the greedy gambusia consume the larvae as fast as they come to the surface from which their hiding places have been temporarily removed. Submerging the plants in this manner will not be injurious to their growth or beauty.

If the water level is fluctuated from time to time, it will aid the fish in their predacious attack on the larvae. In ponds where there is an abundance of plant growth, this would be impracticable, but where the plant life is limited, this method would be advantageous. The way in which fluctuation destroys larvae is to expose them along a vegetation-free margin to the fish.

It is advisable to keep all surplus vegetation trimmed from the edges of the pool and all floatage, such as sticks and trash, removed from the water.

A mixture of one part of Paris green to nine parts (by volume) of lime dust (or even ordinary road dust) may be liberated as a light dust cloud so as to pass over all parts of the water surface. This mixture will be fatal to the larvae of the disease carrying mosquito, but the water surface so treated will not be harmful to fish, vegetation or other forms of life. Miss Edna M. Southard, Malaria Control Division, Texas State Department of Health, suggests that "the mixture may be put in a cloth sack, the sack held over the pool and hit lightly with a stick so that a cloud of dust will settle on the pool." However, it will be effective to dust the mixture on the pool by hand or to use any method available to blow or dust it lightly onto the water.

### BEWARE OF THE MALARIA CARRYING MOSQUITO

Mosquitoes are at best a nuisance, and certain species are disease carriers as well. Malaria, yellow fever, dengue fever, and filiasaris are all contagious only through mosquitoes, the two former being the most prevalent in the United States. At this time, yellow fever is under control, and it is therefore the malaria carrying mosquito that is most disastrous to our welfare. This mosquito is of the genus *Anopheles*, which breeds most extensively in clean water, in pools and ponds with grassy edges, or among floating leaves, water plants, or other foliage. According to this information, there could be no more favorable breeding place for *Anopheles* mosquitoes than the lily ponds in our own home gardens, and since these mosquitoes do not fly far from their breeding place, it is obvious that we may be raising our own brood of mosquitoes and thus harboring our own illness and possible death in what we have constructed for our recreation and pleasure.

The wise home lover makes his garden not only beautiful, but he takes every precaution to make living conditions in and about his home unfavorable to the propagation of the mosquito nuisance and danger.



## The American Home Employment Plan

### CHECK LIST

Continued from page 357

58. Install an invalid's elevator to give greater freedom of movement for a person who cannot climb stairs. D.

59. Have wiring system checked over for compliance with insurance requirements. J.

60. Modernize lighting system—relocate fixtures, substitute wall brackets for chandeliers, provide new fixtures. J.

61. Install extra electrical outlets to eliminate long cords. J.

62. Install wall switches at entrances to eliminate pull cords. J.

63. Install new sink in kitchen or pantry. D.

64. Install an electric dishwasher. D.

65. Install pilot light on selected switches. J.

66. Install night lights or bed lights with switch at bedside. J.

67. Eliminate batteries on bell call or annunciator system by installing small power transformer. J.

68. Provide low voltage current in the children's playroom for operating electric toys. J.

69. Modernize the laundry equipment—perhaps, including new trays, washing machine, ironer, or clothes dryer. D.

70. Install laundry chute. D.

71. Remove storm windows and winter vestibules in preparation for warmer weather (in early spring).

72. Early spring exterior painting of all items not previously repainted in the fall.

73. Repair cracked, loose, or fallen plaster on walls or ceilings. F.

74. Plaster basement ceiling on metal lath for fire protection, cleanliness, and better appearance, or surface with wallboards. F.

75. Cover defective plaster ceilings with fabric, wallboards or pressed metal to eliminate future repairs. F.

76. Install a ventilating fan in kitchen.

77. Correct defective fireplaces.

78. Install hearth and mantel for gas or electric radiant heater in bedroom or other room lacking chimney connections.

79. Install pine, oak, or other plank, or paneled walls in dining or living room. F.

80. Modernize obsolete interior trim and doors, replacing with new. F.

81. Repaint interior trim in one or more rooms, or throughout. F.

82. Insulate roof or attic floor to

reduce heat losses in winter and to make second story or attic bedrooms cooler in summer. Also consider insulating sidewalls of house.

83. Line unfinished attic space with insulating boards or plaster to create extra room or playroom.

84. Build in new bookcases, window seats, china closets, telephone closet or cabinet, folding ironing board, children's toy cupboard, etc. F.

85. Dampproof basement walls on inside to prevent leaks.

86. Insulate cellar walls and cold water pipes to minimize condensation and dampness in mild weather.

87. Redecorate with paint, plastic paint, wallpaper, wall fabrics, wood veneer, or other material one or more rooms. F.

88. Kalsomine or whiten ceilings throughout the house. F.

89. Install new hot-water heater or tank.

90. Refinish hardwood or painted floors, or cover existing floors, with pre-finished or block type flooring. F.

91. Install linoleum, rubber tile, or decorative composition floors, or lay carpeting in selected rooms. F.

92. Install ceramic tile floors or wainscots in bathroom or kitchen. F.

93. Add new bathroom (by rearrangement of partitions or exterior addition, or in attic or other spare space). F.

94. Install shower enclosure in bathroom. F.

95. Install modern concealed radiation.

96. Cut up fire wood or replenish supply in cellar (local unemployment committees may have cord wood for sale prepared by unemployed).

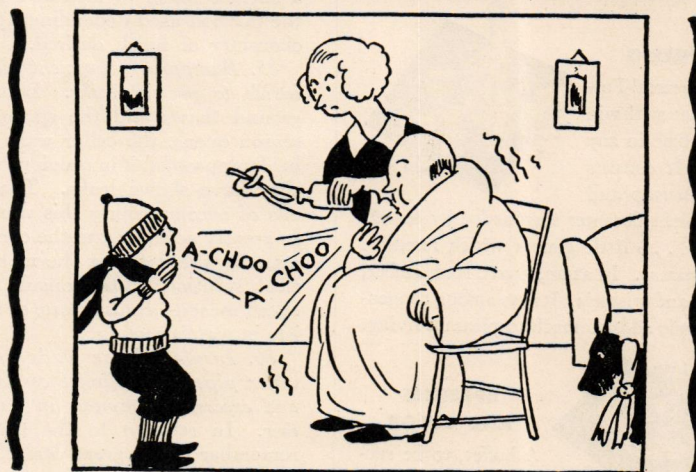
97. Install an electric sump pump to automatically remove water from basement where subject to flooding during spring. F.

98. Install handrail on stairs (cellar, service, or main staircases), reconstruct cellar stairs for greater safety; install gate at head of stairs to safeguard children. F.

99. Recondition driveway, applying new crushed stone surface; reset brick or flagstone walks or terrace pavements where lifted by frosts.

100. Put garden tools in order for spring use—repair and sharpen lawn mowers, repaint wheel-barrow, roller handles, and clean up and oil all metal work on tools.

# Who wants to be a CAMEL?

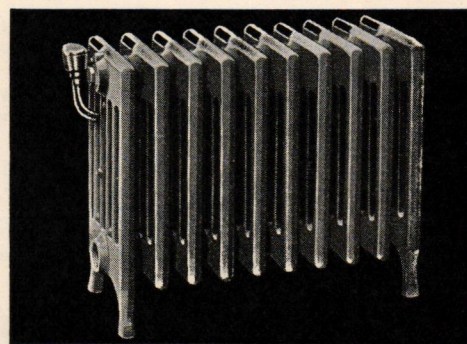


YES, who does want to be a camel? A camel can go eight days without water. Our friends, the Camel family, pictured above, are going eight months without moisture—without the proper amount of humidity that is essential to health and comfort. The result: croups and colds and doctor bills all winter long—and a larger coal bill.



The problem of providing sufficient moisture in the air has been, until now, a difficult and expensive one to solve. But here, at last, is a simple, inexpensive humidifying radiator—the HUMID-HEET Air Conditioning Radiator.

The HUMID-HEET costs little more than the ordinary radiator. It provides humid, healthful heat easily and automatically. It takes only two of these radiators to humidify the average home, and they can easily be installed to replace two of your present radiators. Now you can enjoy healthful, humid heat at little cost. Send the attached coupon for complete information.



# HUMID-HEET

## Air Conditioning Radiator

Send for complete information to any of the following licensees.

INTERNATIONAL HEATER CO.  
UTICA, N. Y.  
RICHARDSON & BOYNTON CO.  
NEW YORK CITY

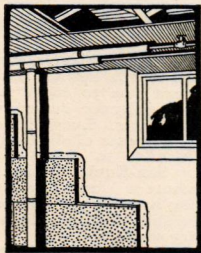
H. B. SMITH CO.  
WESTFIELD, MASS.  
UTICA RADIATOR CORP.  
UTICA, N. Y.

Gentlemen:

Please send us complete information about your HUMID-HEET Air-Conditioning Radiator.

Name.....

Street..... City.....



Modern concealed radiators not only save space but increase the decorative value of a room. This is discussed in more detail under item 95 on page 360



Item 83 on page 356 suggests the use of insulating boards or plaster for lining an unfinished attic space, thereby creating an extra bedroom or recreation room

To minimize condensation and excessive dampness in the cellar insulate the cellar walls and cold water pipes as discussed under item 86 on page 360

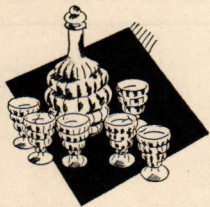




## THE GLASS OF FASHION

### 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. AH3, Moundsville, W. Va.



## The American Home Employment Plan

Continued from page 356

decorated in a variety of manners. If the flexible or adhesive type insulators are employed, the underside of the roof may require in addition a surface finish of lath and plaster; the method used depending upon the character of finish desired.

85. *Dampproof basement walls on inside to prevent leaks.* Before the ground thaws and the spring rainy season opens, the cellar walls should be dampproofed if in previous seasons they have shown leaks. The methods of accomplishing this work vary so greatly according to the conditions actually present that the most practical solution is to consult experienced masons, contractors, or specialists in waterproofing.

86. *Insulate cellar walls and cold water pipes to minimize condensation and excessive dampness in mild weather.* In relation to the last item, remember that a great deal of dampness in cellars is not due to leakage in the walls but to the condensation of moisture on the cold masonry and on exposed cold water pipes when the heating plant is shut down and warm humid air enters the cellar. These cold surfaces condense the water from the air like dew; the water drips or runs to the floor and creates an impression of a leak. This has ruined many otherwise attractive recreation rooms. To minimize the difficulty the following steps should be taken: First, have all of the cold water pipes heavily covered with a heat insulating material similar to that used on steam pipes. Second, some method of keeping the moist

air from the cold basement wall surfaces must be developed. One method is to have a mason or specialist apply two-inch thick blocks of cork-board directly to the masonry walls with cement or hot pitch. Another is to have wood furring strips (wood strips 1 x 2") fastened to the masonry walls over which are applied a suitable lath and at least two coats of plaster. Certain types of insulating wallboards may be also used instead of lath and plaster. This latter method keeps most of the air away from the walls but a certain amount of moisture may drip down the masonry walls behind the plaster. This should be taken care of by cutting a shallow gutter in the cellar floor carrying it to drain to some low point where it can do no harm.

89. *Install new hot water heater or tank.* If you rely upon your furnace or boiler for your winter hot water supply, the summer season brings a new problem of operating a separate hot water heater. Consider the installation of a modern automatic, instantaneous or storage type hot water heater; or as an alternative, you may find it best for your conditions either to install a small coal fired heater or to have your contractor adapt your heating boiler and oil burner installation so that the latter can be used as the source of an all-year hot water supply. Consult your plumber and your heating contractor regarding the alternative methods above suggested.

95. *Install modern concealed radiation.* Instead of waiting until next

## The quick, clean way to spotlessness

You can be proud of the spick-and-span look of your toilet bowls. And you don't have to scrub and scour to clean them. This mean household chore is old-fashioned. The modern way is with Sani-Flush. You can do it in a few minutes.

Just sprinkle a bit of this antiseptic, cleansing powder into the closet bowl (simple directions on the can), then flush the toilet. Away go impurities and stains. The bowl becomes bright and clean, and that hidden trap, beyond the reach of a brush, is purified and safe. There is nothing to harm the plumbing.

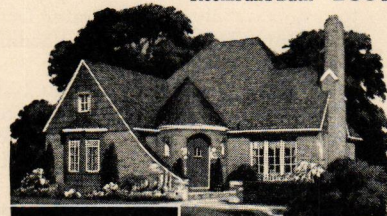
At grocery, drug and hardware stores, 25c. (Another use for Sani-Flush — cleaning automobile radiators. See directions on can.)

## SANI-FLUSH cleans closet bowls without scouring



## Lowest Prices in 10 Years

The Bristol—5 Rooms and Bath \$1831



## MODERN HOMES at MILL PRICES

Now, new "Van Tine Service"—the perfect Home Building Service. Your home built complete—ready to move into—easily, safely and at one-third less cost! Many are saving \$500 to \$1500.

Choose from 100 prize designs or let us design your home from your own ideas—FREE. Your choice of brick, wood, stucco or combinations. We supply finest guaranteed materials and strongest construction to meet all building codes.

Mill Prices—you buy direct from our 5 great Mills at today's low wholesale prices. One order buys your home complete. No extras!

Finest Modern Features. Oak Floors, Warm Quilt Insulation, Built-in Kitchen Units, Linen Closets, Clothes Chutes, etc. More comfort—less work for the housewife.

Send for FREE BOOK 100 HOME PLANS



## Gordon-Van Tine Co.

World's Largest Specialists in Home Building Since 1865

1611 Case St., Davenport, Iowa

Check free books wanted:  Homes,  Garages,  Summer Cottages,  Book of 5000 Bargains in Building Material.

Name.....

Address.....

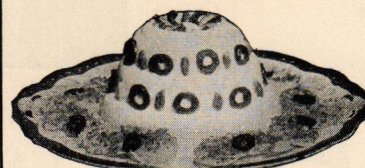
ENTERTAIN economically and have Good Things to Eat. You will find excellent suggestions in every copy of

## American Cookery

The household Magazine of recognized authority which tells you how to make and serve

"Grapefruit Bavarian Cream"  
"Ginger Ale Salad"  
"Cheese Croquettes"

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



"Grapefruit Bavarian Cream"

"AMERICAN COOKERY" gives menus for every possible occasion. Dinners, Luncheons, Wedding Receptions, Card Parties, Sunday Night Suppers, etc. Also contains timely Household Articles and good fiction.

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

"AMERICAN COOKERY" is \$1.50 a year but SEND us One Dollar (cash, check or stamps) and we will send you AMERICAN COOKERY for the rest of 1932, starting with the March number which contains recipes and directions for "Grapefruit Bavarian Cream" and many other good things. Address

The Boston Cooking School Magazine Co.  
223 Columbus Ave. Boston, Mass.

## KNITTING WOOL

### RUG YARNS

Priced Card of 400 Samples FREE. BOUCLE YARN—For Knitted Suits 2oz. Skein, 60c—Card of 50 Samples FREE. 40 SMALL SKEINS GERMANTOWN \$1.00 ASSORTED BRIGHT COLORS

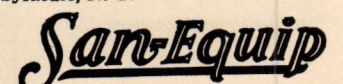
Colonial Yarn House, 1231-K Cherry St., Phila., Pa.

Ask for a description of THE NEW NATURE LIBRARY Doubleday, Doran & Co.

## City Plumbing for Country Homes

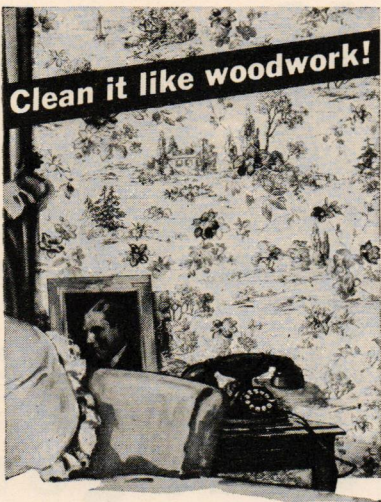
Write today for complete information on how San-Equip Sewage Disposal Systems permit you to enjoy modern plumbing conveniences in any house with running water. Learn how San-Equip safely disposes of all waste, protects health, adds to living comfort. Learn about San-Equip Certified Systems that assure you against unhealthy and annoying breakdowns and provide a more durable, dependable service than ordinary septic tanks.

San-Equip Certified advantages cost no more than you may have to pay for uncertain, makeshift sewage disposal. It will pay you in money saved, in convenience, in health to write now for complete free details. SAN-EQUIP INC., 733 East Brighton Avenue, Syracuse, N. Y.



CERTIFIED SEWAGE DISPOSAL





### Charming New Walls Cost Less this Spring

Now is the time to decorate with Sanitas. Take advantage of the new price—twenty per cent lower than last year.

Sanitas is the original washable cloth wall covering that can be cleaned as easily as woodwork. A sponge and warm water keeps Sanitas looking new and attractive for years. The ideal wall covering for cracked walls. Protects new walls and ceilings.

Sanitas styles for Spring are more beautiful and colorful than ever. You can see the complete line at your decorator's. Ask him to show you the new Sanitas Sample Books.

Samples and Booklet on Request

The Standard Textile Products Co.  
320 Broadway Dept. 40 New York



**BEAUTIFUL BIRDS**  
4 Pairs Assorted for \$15.00

1 Pr. Green Parakeets	-	\$5.00
1 Pr. Yellow Parakeets	-	6.00
1 Pr. Zebra Finches	-	3.50
1 Pr. Java Rice Birds	-	5.00

ACTUAL VALUE \$19.50  
**SPECIAL PRICE \$15.00**  
for all 4 pairs shipped safely to you

BEAUTIFUL CANARY SINGERS  
Send P. O. Money Order with your order.  
ILLUSTRATED CATALOG FREE TO BIRD LOVERS  
BIRD HAVEN, R. F. D. 2203, Reseda, Cal.

Write Doubleday, Doran & Company, Inc., Garden City, Long Island, for a list of their NATURE BOOKS.

### FIREPLACE PLAN FOLIO

20 beautiful and authentically correct fireplace renderings by noted architects, under the supervision of America's foremost authorities on fireplaces. This folio will save you money. It gives real information on the fireplace healthful, smokeless, ventilating, free-burning and unusually effective in heating!

**SEND \$1 TODAY** and assure yourself of the most gratifying fireplace investment.  
BENNETT FIREPLACE CORPORATION  
Dept. B-13, Norwich, N. Y.

### The American Home Employment Plan

fall when prices will be higher, consider the possibility of installing modern concealed radiators in place of the exposed radiators you now use. You will enjoy the extra space saved throughout the spring and summer months and will be ready for next fall and winter when restored economic conditions will probably increase the cost of the change. Keep in mind that unless hot water heating is employed, the use of one or two concealed radiators is not satisfactory in conjunction with any exposed cast iron radiators because the new units respond much more quickly and will not give uniform heating unless they represent at least 60% of all of the radiation.

96. *Cut up fire wood or replenish supply in cellar.* Local unemployment committees may have cord wood for sale prepared by unemployed laborers. This work is worth doing now because the fireplace will be in demand in the spring.

99. *Recondition driveway, applying new crushed stone surface; reset brick or flagstone walks or terrace pavements where lifted by frosts.* In the northern sections of the country frost action causes damage every spring that needs a little repair and replacement work. Common laborers can do most of the work suggested. Material dealers or local crushed stone or gravel quarries will usually supply and spread driveway surfacing materials.

100. *Put garden tools in order for spring use—repair and sharpen lawn mowers, repaint wheelbarrows, roller handles, and clean up and oil all metalwork on tools.* This is spare time work for the man about the house or for some unemployed man who will more than welcome the income from a few hours of work. Instead of delaying the reconditioning of garden implements until they are needed outdoors, this work should be done at once.

### My favorite salads

Continued from page 340

a tiny lettuce cup filled with mayonnaise on one side and two or three olives on the other.

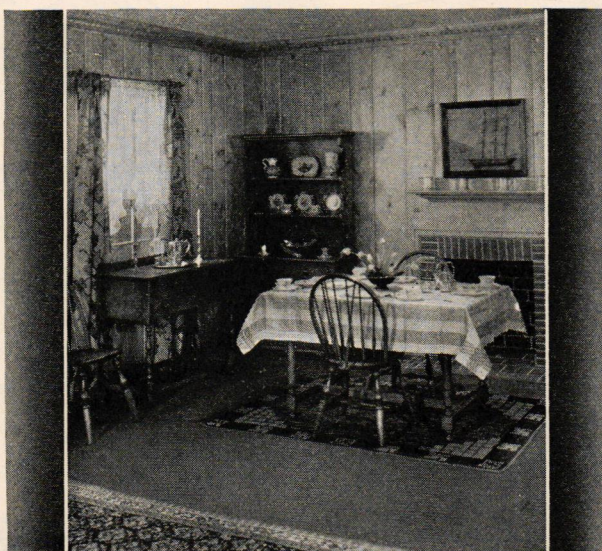
#### FRUIT COMPOTE

- 1 orange
- 1 grapefruit
- 2 tablespoonfuls of white grapes, seeded and cut in half or the seedless grapes when they are in season
- 2 bananas

2 slices of canned pineapple  
½ cupful of lemon juice  
Sugar to taste

Cut the fruit in pieces of even size. Blend with sugar and lemon juice. Place in the ice-box until time of serving and serve very cold in compote or sherbet glasses.

Importés are oblong pieces of very fine French pastry, sprinkled with a



This mark of distinction is stamped on each piece.

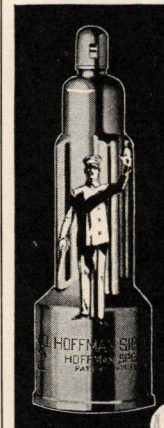
### The Tang of Salt Air

You can fairly smell the salt and hear the boom of the surf on the headlands when you and your guests are gathered around this table. The cost of the complete grouping is surprisingly low. Write us for the name of the dealer in your community who will show you genuine Conant-Ball reproductions.

Send for our booklet showing other pieces from this unusual line.

CONANT-BALL COMPANY, BOSTON, MASS.

## Learn how HOFFMAN Vacuum Valves



CUT FUEL COSTS 1/3



Here's information worth actual dollars and cents to every owner of a steam heating system. No. 2 Hoffman Vacuum Valves on radiators bring your old fashioned heating system up-to-date, save you money, and create an amazing degree of new home comfort.

Air in the heating system causes sluggish, hard-to-heat radiators. No. 2 Hoffman Valves *vacuumize* the system—let out all air from pipes and radiators—and keep it out with patented double air locks. Result: Steam rushes through air-free pipes—radiators heat in 15 minutes after opening drafts and hold their heat for hours.

Fuel bills, too, are sharply cut. For in a vacuum, water boils at a lower temperature, requiring less fuel to produce steam.

#### HOFFMAN-IZE on Easy Terms

Expensive? Not at all! And fuel savings quickly pay the cost. Ask your heating contractor about the easy terms on which you can Hoffman-ize your radiators. Or mail the coupon.

HOFFMAN SPECIALTY CO., INC. Dept. H-11 Waterbury, Conn. Send me free booklet and complete information about Hoffman-izing on easy terms.

Name.....  
Address.....  
City.....State.....

**HOFFMAN**  
No. 2 Vacuum Valves  
for one pipe steam systems

Also makers of Hoffman Controlled Heat and Hoffman-Economy Pumps.



**bridge clubs vote two tickets!**

**CAUTION:**  
Our labels are imitated.

**My favorite salads**

little bit of sugar and browned in the oven. You can make them yourself but they are purchasable at any of the better grade bakeries.

Another delicious and quite unusual salad is:

**FROZEN SALAD**

- 1 cupful mayonnaise
- 2 cupfuls whipped cream
- 3 cupfuls diced canned pineapple
- 3 cupfuls orange sections cut in half
- 3 cupfuls sliced peaches
- 6 cupfuls diced bananas
- 2 cupfuls marshmallows, quartered
- 2 cupfuls pecans
- 2½ table spoonfuls of gelatine
- 1¼ cupfuls orange juice
- 1¼ cupfuls pineapple juice

Dissolve the gelatine in the heated juice, add to the mayonnaise and whipped cream which have been folded together. Blend and let stand until it begins to stiffen; fold in cut up fruits, marshmallows, nuts, and cherries; put into moulds. Set in your electric refrigerator to freeze over night. Serve on lettuce leaves with a dressing made of equal parts of mayonnaise and whipped cream.

**GRAPEFRUIT SALAD**

Cut leaves of Romaine about two inches long. Use the tip ends only. Lay on a green glass salad plate. Peel two large grapefruit and cut each segment between the fibres so that it is free of all fibre. Lay the grapefruit segments whole on the Romaine. Sprinkle lightly with granulated sugar. Pour over each portion two tablespoonfuls of French dressing. Garnish with cress and a

dash of paprika. Serve with cheese dreams, prepared as follows:

Cut bread into slices about 1/8 of an inch thick. Cut center into shape with a fluted biscuit cutter. Use half a pound of grated American cheese, the snappy kind. Spread the bread freely with butter then pile high with grated cheese and sprinkle with mustard and paprika. Place in the oven. When it begins to brown serve on a pretty silver tray or platter garnishing with parsley and olives stuffed either with pimentos or with small onions.

As I said in the beginning, there is no place that I know of where salads are so delicious as in America. Of course, like every good thing, they can be over done and once in a while one finds a combination that is far from pleasing. One must have fine taste indeed to make a good salad. A "fine feeling for food" is essential to every housekeeper and each dish she produces. Well blended as to dressing, well combined as to materials, a salad is nothing but a never ending source of joy, the sauce piquante to a left-over roast, the saving grace of many an otherwise tasteless, colorless meal.

And speaking of left-over roasts, try this way of using cold meat of any kind. Slice the meat as thinly as possible. Then with a small cutter make each slice into circular wafers. Blend with French dressing, a little bit of onion chopped fine, some chives also chopped fine, and a few capers. Mix lightly with the meat and serve on crisp leaves of endive.

**CLAY**  
**SUNSHINE CLOTHES DRIER**

BEAUTIFY YOUR YARD  
Gently turns in the breeze—drying entire wash evenly and spotlessly clean. Stand in one place to hang up entire wash. Folds like an umbrella to store away. 135 ft. finest line. Turns in only 15 ft. of space. Does away with unsightly clothes poles. Illustrated folder A-230. FREE.

Clay Equipment Corporation, Cedar Falls, Iowa.

**2 kinds of MARTINI**

**VERMOUTH WINS** cocktail elections! Landslide for Martini & Rossi's two popular favorites...the steppy brunette dry, "Italy bottle", and its gay blonde running mate, "Dry bottle" (more dry—vamps palate.) Know your vermouths and you know your cocktails. (New rage—shaker's successor—"Automatic Bartender" has directions on glass—shows where to fill for 6 famous cocktails. Only \$1.50). Send dime for Cocktail Wheel, recipe movie! See below.

**IMPORTED, non-alcoholic**



Write Name and Address in Margin  
Enclose 10c for "COCKTAIL WHEEL". Send \$1.50 (\$1.75 West of Miss.) for Bartender (2 views). Mail to W. A. Taylor & Co., 12-16 H Vestry Street, New York.

**Echo Bridge Curtains**

Yours for the asking . . .

... a generous sample of lovely NU-TONE Marquissettes. You'll love the gossamer transparency, and the shimmering lustre of these charming flat or ruffled curtains with or without ruffled valances.

Samples of our regular NU-TONE MARQUISSETTE M 176—and of M 76, a new weave with heavier thread that is particularly lovely—are also yours for the asking. Then when you decide on the curtain styles and lengths you want, you can buy right from the sample at your favorite store.

**MARTIN MANUFACTURING CO.**  
Established 1897  
Boston, Mass. West Newton P. O.  
Makers of the famous Echo Bridge Curtains

**LOVEBIRDS**  
(Parakeets)  
**DELIGHTFUL PETS**

Healthy, full plumage birds. Ship anywhere. Safe arrival guaranteed.

- Green Love Birds.....\$5.00 pair
- Yellow Love Birds.....\$6.25 pair
- Turquoise Blue L. B.....\$7.50 pair
- or All Three Pairs.....\$15.00

Write for catalogue "H"  
**BIRDLAND**  
North Hollywood Calif.

Buy direct from breeding farm

**A BOOK OF HOUSE IDEAS**

From several hundred houses we have chosen twenty-five types: small, medium, and larger sizes; Colonial, English, and other styles; adaptable to stone, brick, stucco, or wood construction. The portfolio of these floor plans, 10 inches by 13 inches, blue printed, loose leaf binding, postpaid \$1.00. Ideas in wide variety that will interest the prospective home builder before fixing upon his plan.

**THE HEARTHSTONE ASSOCIATES**  
903 So. Poplar Street Allentown, Penna.

**STERLING HOME**  
only \$979  
Fire-proof Cellar Ceiling

ROSEWOOD, above, only \$979, double construction, 5 rooms, bath. Freight paid. We cut lumber at mill, saving expensive time of carpenters. Detailed plans enable easy erection—large savings. We will furnish "Stelface" joists for first floor with fire-proof "Gyplap" cellar ceiling, making your home safe against any fire from your cellar. Also—Thermofoil insulation, bronze weather stripping, paint, hardware, 1-panel de luxe doors, etc. 84 low-priced modern, attractive homes for your selection. Build now! Also garages, summer cottages. Send 25 cents today for catalog in color. Estab. 1906. International Mill & Timber Co., 231 Wenona Ave., Bay City, Michigan.

**STERLING HOMES HAVE STYLE**

**Homes**

5 to 9 ROOMS  
**\$366**  
TO  
**\$1688**

**Summer Cottages**

many sizes and designs— all at big savings!

**\$179**  
and up

**Garages**

**\$92**  
and up

**Direct from ALADDIN Mills at Wholesale Prices**

Prices include all lumber ready-cut, millwork, windows, doors, interior woodwork, hardware, roofing, glass, nails, paints, varnish and stains. All material shipped in a sealed box car direct from the big Aladdin Mills. **We pay freight.** Safe arrival guaranteed. Aladdin's famous Ready-Cut System saves 18% lumber waste and 30% labor cost. Complete plans for quick, easy erection. Build an Aladdin yourself.

**Catalog FREE** Return the Coupon TODAY for free Book of Aladdin Homes, Summer Cottages, Garages, Filling Stations, Tourist Cottages and Roadside Stores. Address nearest office. No obligation. Send now.

**The ALADDIN Co.** Mail this Coupon

(Address nearest office) Bay City, Mich.; Portland, Ore.

Send free, without obligation, new Catalog of Homes, Summer Cottages, Garages, etc., No. 311.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_

**KEEP LAMP & RADIO WIRES OFF FLOOR**

**NEW EASY WAY**  
A neat job instantly. No damage to woodwork. No tools needed. Set of eight colored clips to match your cords. 10c.

**JUSTRITE PUSH-CLIP**  
Fits Back of Moulding  
If your 10c store or hardware dealer cannot supply you, mail stamps to us. **JUSTRITE MFG. CO., 2072 Southport Ave., Chicago, Ill.**

**If You Love BIRDS**

Send for Joseph H. Dodson's interesting book—"Your Bird Friends and How to Win Them." Beautifully illustrated with more than 50 actual photographs of bird life. Mr. Dodson, long recognized as America's foremost bird authority, tells all about attracting birds to your premises—the kind of Houses, Feeding Stations, Shelters and Baths they prefer. You will get untold pleasure from the song birds—listening to their cheery songs and watching their interesting habits. They are useful, too, as they destroy cut-worms, bugs, moths, flies, mosquitoes and other destructive insects.

Four Room Wren House takes care of the season's brood. Solid oak, cypress shingles, 21 inches high—or Bluebird House same size, hanging or pole style, \$7.00

THINK OF IT, a family of martins on your premises will destroy thousands of mosquitoes a day. They capture them on the fly. Dodson's Bird Houses are a permanent investment... last a lifetime. There is a Dodson house for every desirable bird. Write or the Dodson book sent free.

Dodson's 28 room Cottage \$18.00—With easy raising pole \$26.00.

**JOSEPH H. DODSON, INC., "Bird Lodge"**  
52 Harrison St. Kankakee, Ill.



## Flowers for the Connoisseur!



*Tithonia*

A  
Collection  
of Rare  
Distinction  
and  
Unusual  
Charm

**Tithonia Speciosa**—Golden flower of the Incas—lost for centuries and just reintroduced by Schling. A superb exotic (8 to 10 ft. tall) with deeply indented foliage covered with brilliant orange-scarlet blossoms. Splendid background. Pkt. \$1.00

**Nasturtium Golden Gleam**—a double, sweet scented variety of a bright golden color. A distinct novelty sure to be a great favorite. Pkt. 25c

**Nicotiana, Crimson Bedder**—a dwarf variety of pyramidal habit producing a mass of rich, dark crimson flowers. Very striking. Pkt. 50c

**Annual Summer Chrysanthemum**—gayly variegated in color and markings. Long blooming, easily grown, they are extremely effective in vase or garden. Pkt. 25c

**Carnation, Glory of the Riviera**—new strain of the famous garden carnations of southern France. Blooms from midsummer to frost. Very fragrant. Mixed. Pkt. 60c

**Escholtzia, Ramona**—a lovely new Poppy of a pale, glittering coppery gold. Extremely large and heavily frilled. Pkt. 25c

**Marigold Ranunculoides**—a tall variety of an unusually rich, dark brown color. Pkt. 25c

**New Single Fringed Petunia, Giant Copper Red**—A new color in Petunia, very rich and striking. Pkt. \$1.00

**Salvia Farinacea**—long spikes of loosely clustered pale blue flowers rising high above the foliage and long blooming. Splendid background. Pkt. 50c

**Cut-and-come-again Stock, Double Salmon Pink**—Very decorative indoors or out. Pkt. 25c

**Dahlia Flowered Zinnia, Oriole**—a true Zinnia aristocrat of gigantic size, very double and gorgeous orange and gold coloring. Pkt. 50c

**Pansy—Mrs. Pierre S. du Pont**—An astonishing novelty of large size and a profuse bloomer. In color a beautiful golden apricot unmarred by markings. Pkt. \$1.00

THE COLLECTION (a \$6.35 value)

for \$5.00

**Schling's Seeds**

Max Schling Seedsmen, Inc.

Madison Ave. at 58th St., New York City

Send for our BOOK FOR GARDEN LOVERS

—35c a copy.

## Garden fragrance from shrubs

Continued from page 350

(*Rhus canadensis*). It rarely exceeds five feet in height, often broader than high, lower branches touching the ground, upper branches spreading or drooping. The branches are covered with bright yellow flowers in April before the leaves appear, followed by red fruits in the fall. The leaves are three-parted, have a spicy odor when crushed and assume brilliant shades of scarlet and orange in autumn.

No list of fragrant shrubs would be complete without mention of the large family of Roses, but no attempt will here be made to discuss the modern garden types as they are a story to themselves elsewhere in this magazine.

The Single or Bush Roses are of more general use in the shrub border and require no special attention. The first, *Rosa hugonis*, is a Chinese species about six feet high, with small pale green, graceful leaves and long arching branches. They are profusely covered with large flowers early in the rose season. Individual flowers are about two and one half inches in diameter, sulphur yellow in color, and have a delicate perfume. Even after flowering it is still ornamental because of its red young shoots.

A yellow-flowered species from Afghanistan, which resembles the Hugo Rose both in foliage and bloom, is *Rosa ecae*, easily distinguishable, however, by the strong, aromatic fragrance of the foliage.

The Sweetbrier (*Rosa rubiginosa* and its hybrids) are a lovely group

useful for backgrounds in the shrubbery border. The foliage being especially fragrant after a rain.

Among the large group of Viburnums there is the most fragrant *Viburnum carlesii*, one of the hardiest and most beautiful shrubs introduced from Korea. This compact, round-topped bush grows four to five feet high, blooming in May. The round clusters of white flowers open from pink buds and emit a scent of cloves that fills the air around. As all the flowers do not open at the same time, the contrast between the pink buds and white flowers is striking. The fruits are blue-black and ripen in September.

Last, but not least, think of the indispensable Common Lilac. Because of its high sentimental value it occupies a place that no other shrub can fill. It is not alone for the beauty of its fragrant flowers that it is of such high value, but also for its association with the old-fashioned gardens of bygone days.

Lemoine is responsible for the more floriferous modern French hybrids, which are found in a bewildering array in blue, violet, red, pink, white, both in single and double flowered forms. Unfortunately fragrance seems to have gone out from the flower as "improvements" came in, by constant breeding and selection. The Lilac species such as Rouen Lilac, Persian Lilac, Amur Lilac, Hungarian Lilac, are used for tall screen hedges, for massing, or as specimens, and are of easy culture.

# Dahlias

Our group of 1932 introductions will startle the DAHLIA WORLD. Expert growers acknowledge that we produce the World's Best Dahlias. Why shop around and be disappointed? Our introductions cleaned up again in 1931 for our customers and will repeat in 1932. Catalog tells the story. It contains an article by Mr. Broomall: "The Future of the Dahlia."

Remember we are introducers of the World famous Broomall and Ballay Dahlia Creations.

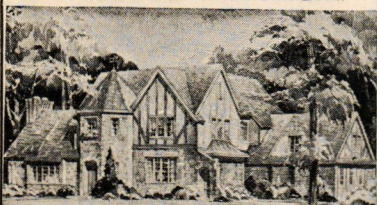
**SUCCESS DAHLIA GARDENS**

Charles G. Reed, Prop.

171 Ferry St. Lawrence, Mass.

No library complete without  
Kipling complete

**140 STARTLING NEW HOUSE PLANS!**  
Don't Build Until You See This Book!



The Best Book of Beautiful Homes

Free Estimating Service

A most amazing collection of original and artistic house designs ever published. The collection consists of Americanized Spanish, Colonial and English houses, of bungalows and semi-detached homes, costing from \$5,000 to \$50,000. Each house design occupies an entire page 9" x 12". Order today as edition is limited. Pay postman on delivery \$1.00 plus postage charge.

**ANDREW CHARLES BORZNER**  
718 Walnut Street Architect Philadelphia, Pa.

## for Better Gardens—

### SPRAY as the Professional Growers do—

NO professional growers attempt to raise trees, shrubs, fruits, flowers or vegetables without spraying regularly to guard against fungus and insect pests which are ever ready to destroy their plantings. Your own garden can never reach its greatest beauty and productivity without the same kind of spraying protection. The

task becomes simple and inexpensive when you have spray equipment of the same high quality and made by the same factory that supplies so many market growers with their spray outfits.

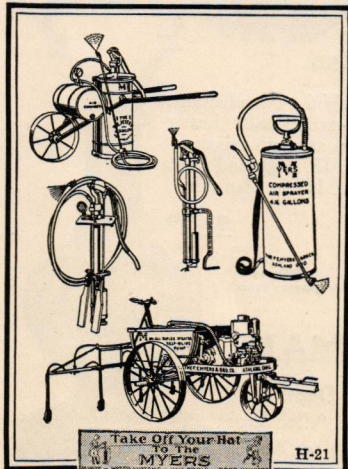
**MYERS**  
Hand and Power  
Spray Pumps

MYERS Spray Equipment is made in styles and sizes to take care of every spraying problem, from the smallest garden to the largest commercial plantings. MYERS Spray Pumps are absolutely reliable—from the biggest engine powered rigs down to the smallest hand operated types. Our Spray Catalog contains a wealth of information on spraying practice. Invaluable to market and amateur gardener alike. Send for it today. Ask us for name of the MYERS dealer in your town.

The F. E. Myers & Bro. Co.  
101 Orange St. Ashland, Ohio

Pumps, Water Systems, Hay Tools,  
Door Hangers

"Pump Builders Since 1870"



*makes old floors new*

Here is a chemist's discovery that does away with the fuss and fumes of varnish removers, alcohol, benzine, gasoline, smelly bleaches! Does away with lame backs and "sandpaper hands"!

For Double X is not just another "cleaner" or "remover" but a wholly new idea that has been put to the test on thousands of floors. Double X is double-action. In ONE swift stroke of brush or mop it makes varnish vanish and bleaches the floor, ready for refinishing. All you need is a can of this white magic, a pail of boiling water, a brush or mop and a bit of steel wool. Simple; safe; sure!

And Double X goes a long way, too. A pound can holds enough to "do over" an average floor—yet it costs but 75c at any paint or hardware store. The 4 oz. carton is for smaller clean-up jobs. See coupon for free trial offer.

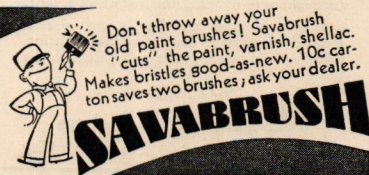
**DOUBLE X**  
FLOOR CLEANER

Mail this coupon for free trial package

Schalk Chemical Co., 358 E. 2nd St., Los Angeles  
Please send me, free, a 25c "Get-Acquainted Package" of Double X Floor Cleaner. [A1]

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

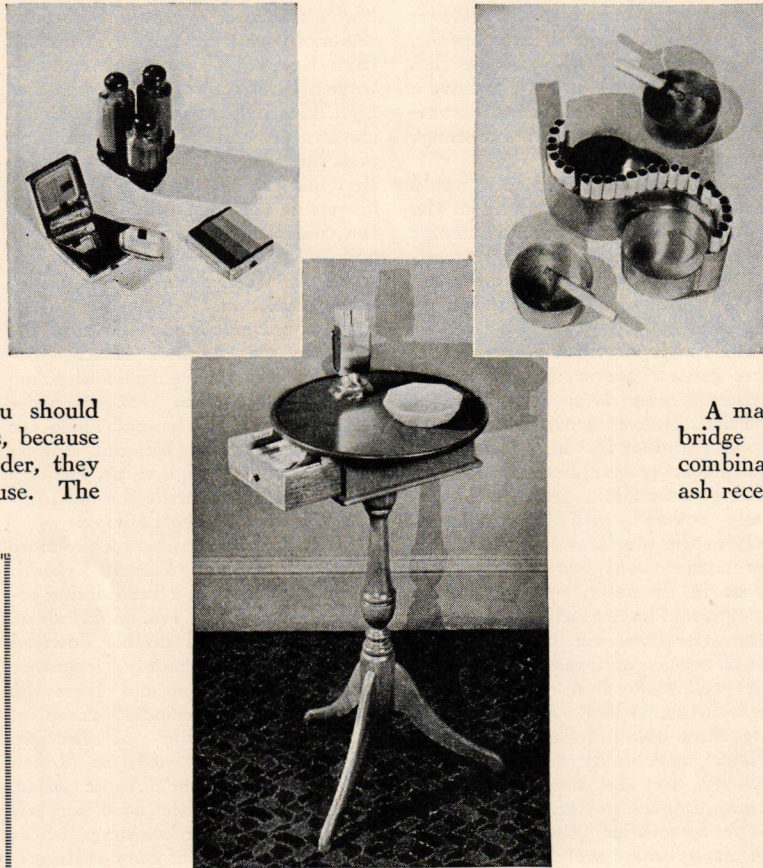




# Shop Windows of To-day

by DIANA NORTH

EVERY Chinese has his own snuff bottle, as snuff is still universally in use in the Orient, whether it be one of the common variety or one delicately fashioned in jade, amethyst, or some other semi-precious stone. The three bottles at right might have come from China for they are perfect reproductions, the color a soft mottled beige and brown; the black stand in imitation of teakwood. Very cleverly made of bakelite for Dorothy Gray and containing her famous manicure lotions. Certainly a distinguished note for your dressing table, priced at \$7.50. You should know about the new powder compacts, because though many people prefer loose powder, they find it impractical as it is so messy to use. The



necessary comforts. Cigarettes, matches, ashtrays should be in reach of practically every chair. To solve this problem I found the smoker's table (below) ideal. 20" high. The top 10" in diameter is large enough for a match case, ashtrays, and a cigarette box, though a drawer in the side has four different sections for your favorite brands. Mahogany, maple, or walnut finish \$5.95 (including match-case and two green glass ashtrays) express collect. BOULEVARD SHOP, 220 Northern Boulevard, Flushing, L. I.

A matching set of ashtrays (above) for the bridge table is made in the very modern combination of pewter and copper. The center ash receiver in a very original shape is made of

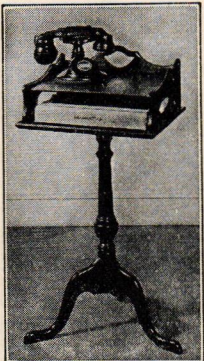
NEW!

3-IN-1  
TABLE

for  
telephone  
books or  
bedside

\$7.95

express collect



A beautifully proportioned, sturdy table that—at wish—becomes a telephone stand, book and magazine table, or a clever bedside table for lamp and magazines. Comes in Mahogany or Walnut finish. Top measures 12" x 15". Stands 30" high. Shipped knocked down. Easily assembled with only one screw.

**THE boulevard shop**  
220 Northern Blvd., Flushing, N. Y.  
Opp. Y. M. C. A. Phone Flushing 9-4220

Dorothy Gray compacts have been worked out on an entirely new principle. By opening the case and bending it back as far as it will go, it releases just enough loose powder for your puff to hold. The square case has a smart enameled top in graduated shades from powder blue to an almost navy blue. Single compact \$2.50; double \$3.00 Triple compact containing powder, rouge, and lipstick, \$3.50. DOROTHY GRAY, 685 Fifth Avenue, New York City.

No matter how well decorated a room may be, it will not be successful if you do not provide the

**PYREX** 6-cup tea pot made of the famous heat resistant glass and gleaming chromium plate. A graceful opening in the lid replaces the old-time spout while a tea ball can be suspended from the little hook on underside of cover.



5 1/2" wide

\$2.75

25c. postage extra  
tea ball 35c. extra

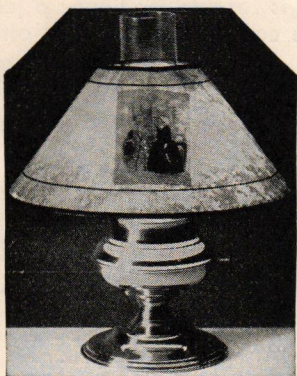
W. G.

**LEMMON**

& CO., Ltd.

820 Madison Ave. New York

It's a Hi-Lo Lo-Lite!

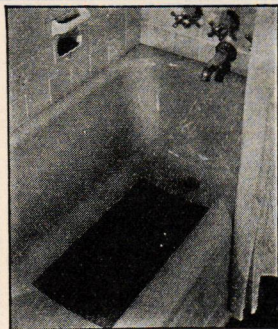


Just turn the knob of this electric lamp as you would a kerosene lamp and—presto—three changes of light, dim, medium, bright. Stands 12 1/2" high and has a 10" parchment shade with an attractive Godey print. Choice of bronze, pewter or polished brass finish.

\$4.75 postpaid

Saul Haber & Associates  
110 West 40th St. New York City

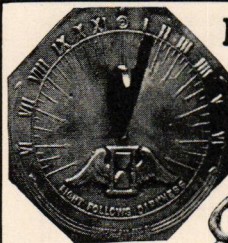
**BATH-Grip**



STOPS BATHTUB ACCIDENTS  
Prevents Slipping and Falling

This attractive rubber bath mat comes in a variety of pastel shades to match the color scheme of your bath. Rose, Blue, Green, Orchid, Orange and White. Send check or money order today. Will send prepaid for only . . . \$1.00

CHARLES B. BRINKWORTH  
592 East First Street  
South Boston, Mass. Dept. B



\$4.50

Faithful reproductions in exceptionally heavy brass are both this doorstop 12" high and SUN-DIAL 11" in diameter

**T  
U  
T  
M  
A  
N**

Dept. A  
103 Allen Street  
New York

**BRASS  
T  
O  
W  
N**

\$3.00

Shipping  
charges collect



**STUDY  
INTERIOR  
DECORATION  
AT HOME**

SIX WEEKS PRACTICAL  
TRAINING COURSE

Authoritative training in selecting and assembling period and modern furniture, color schemes, draperies, lamp shades, wall treatments, etc. Faculty of leading decorators. Personal assistance throughout. Cultural or Professional Courses.

**Home Study Course**

starts at once : Send for Catalog 12M

**Resident Day Classes**

start July 6th : Send for Catalog 12R

**NEW YORK SCHOOL OF  
INTERIOR DECORATION**  
578 Madison Avenue, New York City



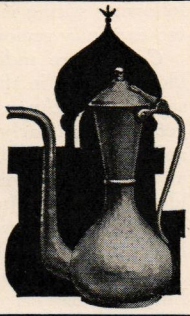
# Shop Windows of To-day

## RUSSIAN COFFEE POT » »

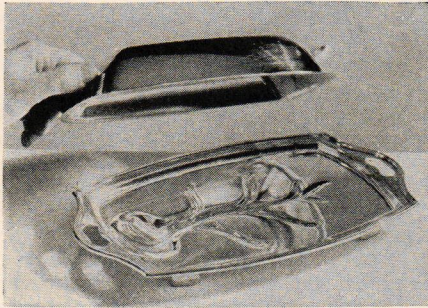
This enchanting old peasant design serves five cups. Of hammered brass or copper, pewter lined. Price postpaid . . . \$2.95

See catalog R-3

ADOLPH SILVERSTONE, Inc. Est. 1898  
21 Allen Street  
New York, N. Y.

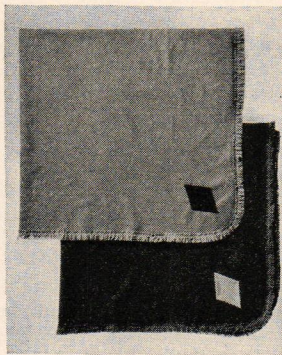


pewter and holds twenty-five cigarettes; quite enough for the afternoon or evening bridge game. There are also four copper receivers. The separate trays fit snugly into the two containers in the set itself. Price \$3.95 postpaid from THE METAL-URGISTS, Taunton, Massachusetts.



When there are only two or three for dinner at home and there is no need for a large platter, the one shown above would be doubly useful. It is made of silver plate with a convenient handle at either end, and stands firmly on its four squat feet, thereby saving your damask tablecloth. The cover makes an ample sized vegetable dish. \$6.75 postpaid from HEATHER-MATHEWS, 411 Fifth Avenue, New York City

I think that you should know about the newest bridge table covers. Made of the sheerest rubber, they stretch easily over any bridge table without wrinkling, and will not tear. The ruffled edging and diamond, spade, etc., design on each corner provides the only decoration. They give an excellent flat surface to play upon, while they can be obtained in emerald green, blue, brilliant red, black, orange, and orchid. They come packed two in a box for the surprisingly low price of \$1.00 complete postpaid from BIDWELL Co., 319 East 50th Street, N. Y. C.



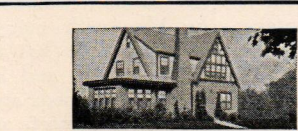
BE SMART—carry your papers in one of these new zipper cases. Good looking—you will be proud to own it. Just the right size—15" x 10". Roomy—gusset ends and bottom. Finest leather—smooth heavy russet cowhide. Ideal for the business or professional man, teacher or student.

L1028 \$3.95 Postpaid

With 3 initials embossed in gold \$4.25

DANIEL LOW & COMPANY  
202 Essex Street Salem, Mass.

Send for our complete catalogue



A wonderful book of home plans, 219 designs, 600 illustrations of floor plans and photos of American and English Colonial homes, cottages, bungalows and duplex dwellings, an ideal reference book showing size of rooms and building and a description of each, with approximate cost to build, postpaid only \$3.00. A new folio, 50 designs of medium cost American and English Colonial homes and other medium cost dwellings, \$1.00. Both for \$3.50.

FREDERICK H. GOWING, Architect  
101-A Tremont Street Boston, Mass.

## OUR GUARANTEE TO YOU

We are manufacturers of direct from factory to consumer quilts, pillows and cushions.

Control all processes in our own plant from raw feathers to finished products. Can guarantee our customers the finest, most sanitary feathers and down obtainable.

Write for catalogue and free cellophane-wrapped samples of down, half-down and feathers; sent with samples of sateen quilt covering.



SLUMBERSWEET PRODUCTS  
Montauk Highway  
Quogue, N. Y.

## for your GARDEN



Enduring, beautiful, high-fired Terra Cotta brings new interest to the garden, sun room or interior. Send 10c for illustrated brochure.

GALLOWAY POTTERY

Estab. 1810

3214 Walnut Street, Philadelphia

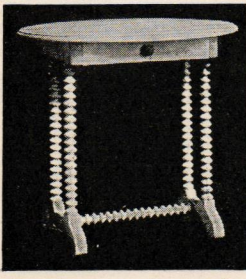
## Spool Table

Copy of original with authentic turnings.

Made of maple or gumwood. 28" high; top is 21" by 29". Finished in maple, walnut or mahogany.

\$12.00 express collect

E. E. Burroughs Co. Conway, S. C.



## GARDEN STRUCTURES



SHELTER HOUSE  
4 ft. x 8 ft.  
exclusive of lattice and seat.  
only \$98.50

For over thirty years Hartmann-Sanders has specialized in the construction of well designed Garden Structures. These Sheltered Garden Seats, Enclosed Tea Houses, Pergolas, decorative Lattice Fences and Gates are suitable for the small city garden or large estate. Garden Structures furnished by Hartmann-Sanders are certain to give satisfaction for they are beautifully designed and constructed to stand the worst that weather can do. Prices are lowest in our history. You may select from our Catalog, or we will design individual structures to suit your requirements.

SEND for interesting Brochure showing many delightful examples of Hartmann-Sanders Garden Structures. Price 20 cents.

## HARTMANN-SANDERS

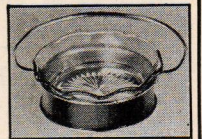
Factory and Showroom, Dept. C.—2155 Elston Ave., Chicago  
Eastern Office and Showroom, Dept. C.—101 Park Ave., New York

## CANDIES or NUTS

Would Feel

Right at Home

in this unusually priced and designed bon bon dish. Ebony black body with silver trim and handle; removable glass dish; 5" in diameter.



\$1.25 Postpaid

AND FOR MADAME—

a complete and lovely perfume and atomizer set; gold or silver finish. 5" high, 7" long, 2" wide; of exquisite workmanship and design.

A \$5.00 Postpaid Special



Write direct to

M. W. CARR & CO., Inc.  
Dept. A-3 West Somerville, Mass.

## ENDS CALLOUSES



They Gently Fade Away  
Corns and Callouses yield at once to the wonderful medication in this thin, comfortable adhesive fabric. You walk, play, dance in comfort. No more nagging foot pains. This soothing

Medicated Adhesive Surface absorbs all hard growths without injury to healthy tissue. Antiseptic, healing. Big spool, 60 square inches. Send \$1.00 and if not satisfied after trying get full refund.

COMFITAPE LABORATORY  
Box A-3 Burlington, Vermont



## Chairs, Take Notice!



These lovely, hand-made mercerized chair mats, with colorful flower designs, will add that necessary decorative note to your room.

Circular Mat, 15" x 15" \$2.20  
Other Mat, 18" x 15" \$1.90  
Postage prepaid.

GRACE L. FLEMISTER  
So. Thornton Avenue Dalton, Georgia

## Monogrammed HANDKERCHIEFS OF REAL IRISH LINEN! At Half Store Price

Direct from the weavers, extra fine texture linen, beautifully made, full size. Ladies' or men's extra fine White Imported Linen Handkerchiefs, narrow hems with two or three initials or first or full name. All Monograms in White or Assorted Colors. Doz. lots only. Men's \$3.95 doz., Ladies' \$2.95 doz.

Agents with large following wanted.

Ladies' or Men's White Irish Linen Handkerchiefs Hand Rolled Edges Corded Border—Ladies' \$2.25 1-2 doz., Men's \$2.95 1-2 doz. Monogram included.

These handkerchiefs make a beautiful Easter Gift. Send check or money order today.  
IRISH LINEN WEAVERS ASSOCIATES  
Dept. B, Madison Sq. Sta., P.O. Box 197, N. Y. City

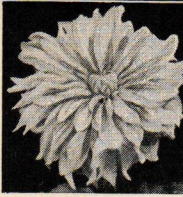


"Grown in the West—where Bulbs thrive best"

# SUNSET DAHLIAS

Selected choice varieties at bargain prices

Alice Whittier.....	\$.65	Kathleen Norris.....	\$2.00
Al Koran.....	.20	Little Jewell.....	.20
American Triumph.....	2.00	M. W. Wilson.....	.50
Amun Ra.....	.20	Marmion.....	.50
Barbara Redfern.....	.75	Monmouth Champion.....	3.00
Champagne.....	.25	Mrs. A. B. Seal.....	2.50
Eagle Rock Fantasy.....	10.00	Mrs. C. Salbach.....	.15
Edna Ferber.....	.30	Mrs. I. D. VeWarner.....	.20
El Dorado.....	.35	Mrs. E. F. Smith.....	.15
Elite Glory.....	.65	Queen G. Beautiful.....	.60
Eliza London Shepard.....	2.50	Richlieu.....	.90
Ellenor Vanderveer.....	.35	Rodman Wanamaker.....	.75
Elsie Daniels.....	.30	Roman Eagle.....	.50
Ft. Monmouth.....	1.50	Rockwood.....	.35
Ida Perkins.....	1.00	Rosa Fallon.....	.50
Jane Cowl.....	1.00	Salbach's White.....	.50
Jersey's Beauty.....	.25	Seal's Californian.....	.50
Jersey's Beacon.....	.50	Sunny South.....	.30
Jersey's Jewel.....	.35	Susan G. Tevis.....	.30
Jersey's Radiance.....	.35	Wizard of Oz.....	.50



WALDHEIM SUNSHINE  
Giant Yellow.....\$1.25

### GLADIOLI

Dr. F. E. Bennett.....	Doz. 100
Catherine Coleman.....	\$7.00 \$5.00
Golden Measure.....	.65 4.75
Minuet.....	1.20 9.00
Mrs. Leon Douglas.....	.60 4.00
Pfitzer's Triumph.....	1.50 10.00
W. H. Phipps.....	.75 5.25
Betty Nuthall (each).....	.25 dz. 2.00
Blue Triumphant (each).....	10.00
Commander Kohl (each).....	1.25 12.50
Coryphe (each).....	.40 dz. 4.00

No orders accepted for less than \$1.50 Illustrated catalog FREE

## SUNSET GARDENS

2020A Delano Street, Portland, Oregon

just see how Lōma makes grass

# GROW! and GROW!

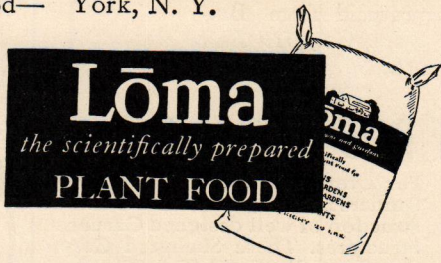
VEGETABLES and  
FLOWERS, too!

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



spreader, for convenient application on large areas. Tennessee Corporation, 61 Broadway, New York, N. Y.



## BETTER LAWNS

when you roll with

### DUNHAM ROLLERS

FREE BOOK "Proper Care of Lawns". 24 pages. Write for it now.

For rich, abundant grass and a smooth even lawn, Dunham is the superior roller. Stronger—easier to push or pull. Weight adjustable by increasing or decreasing the amount of water or sand in the hollow steel drum. Permits light rolling in spring and heavier pressure as the ground hardens. Many sizes—reduced prices. At Hardware, Seed, and Department Stores.

Ask for them by the name Dunham. Note the green drum and red handle.

DUNHAM LAWN ROLLER CO., Inc.  
113A Chambers Street  
New York, N. Y.

In Canada: 262 Second Ave., Montreal

## Buy Hardy Northern Evergreens

To demonstrate the advantages of buying sturdy stock from the North, we extend to you these special offers:

### SPECIAL OFFER—32-3

Austrian Pine, 6-yr., trans.	10"-16"
White Cedar, 6-yr., trans.	8"-12"
White Spruce, 6-yr., trans., twice	8"-12"
Col. Spruce, 6-yr., trans.	8"-12"
Scotch Pine, 6-yr., trans.	12"-16"

### 12 trees for \$4.00

### SPECIAL OFFER—32-4

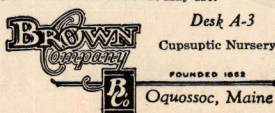
Mugo Pine, 7-yr., trans., twice	6"-10"
Red Pine, 5-yr., trans., twice	12"-15"
Norway Spruce, 5-yr., trans., twice	8"-14"
Engelman Spruce, 6-yr., trans., twice	8"-12"
Balsam Fir, 6-yr., trans., twice	10"-16"

### 12 trees for \$4.00

### SPECIAL HEDGE OFFER

A. White Spruce, 7-yr.-old, twice trans.	16"-20"
50 trees, \$10.00	
B. Norway Spruce, 7-yr.-old, twice trans.	16"-20"
50 trees, \$10.00	
C. White Cedar, 6-yr., once trans.	10"-15"
50 trees, \$8.00	

Any of the above group offers delivered prepaid to your home upon receipt of Check or Money Order. Shipments to be made about May 1st.



## Annuals

Continued from page 525

this is done regularly the task will not be great. I am so enthusiastic over this plant that I can never sing its praises enough. I have had beds of the large purple Petunias bordered with it, also beds of Calendulas, Zinnias, pink Petunia Rosy Morn, Snapdragons, and so forth—pictures innumerable and each made lovelier by the juxtaposition of Ageratum.

*Alyssum* is a fine white border plant growing six inches high and so well known as to need no description. It does just as well when sown where it is to bloom and does not need thinning. It blooms quickly from seed. The lavender variety is too pale to be pretty.

*Antirrhinum* (or Snapdragons as they are better known) are fine annuals sending up spikes of bloom in dwarf, intermediate, and tall types. Their colors are innumerable and all desirable. For best results plants should be started inside in February or March and then set out in the ground nine or ten inches apart the last of May. They need good cultivation and one or more applications of sheep manure as the season advances. We raise very fine spikes of bloom quite equal to the florist's under glass.

*Asters* in all the lovely varieties are so wonderful to have when they behave themselves. But when and where do they do so? There seem to be so many things that can happen to the Aster plant, the worst of which is the yellows, I think. I like the single kinds best and do think they resist the diseases better. They are splendid for cutting with or without other plants in a bouquet. When setting all Asters I put a handful of wood ashes and lime around their roots. The ashes are a fertilizer especially enjoyed by Asters and the lime keeps away the blue lice that often infest the roots.

*Calendulas* are one of the "must haves." We grow them here in four beds of one color each bordered with Ageratum. They are fine for picking and have a long season of bloom.

*Candytuft* is splendid for picking. I sow it where it is to bloom and do not thin it as I find it blooms just as well without and gives more stalks for picking for which it is most useful. Its season of bloom is so short that it is hardly worth while to plan on it for garden color effects. All the colors are good especially the lavender besides the better-known white. It will bloom again if cut back after the first flowering but the bloom is so small that it isn't worth while. I generally pull it out as I pick it.

*Coreopsis* (or *Calliopsis*) takes me back to my childhood. It was always in my mother's garden, and was one of the favorites. There are many varieties of the plant now, both tall and dwarf, in shades of yellow and mahogany self colored and these colors combined. They are good for picking and should be sown where they are to bloom as they do not transplant well. Six inches apart is sufficient room for them.

*Centurea cyanus* (or Batchelor Buttons) are fine plants for picking, especially the double dark blue, a truly blue flower. These plants need from ten to twelve inches for proper development. They often seed them-

selves quite freely and come up the following spring if seed pods are not too carefully removed.

*Cosmos* are indispensable as they bloom so late in the fall and are such splendid specimens for cutting. We get the extra early variety and while neither bush nor blossom is as large as the later flowering kind, they do bloom from late July until blackened by frost. The larger variety does not bloom early enough for us.

*Cynoglossum amabile* (or Chinese Forget-me-not) is one of our truly blue flowers. As its name implies, it is a Forget-me-not shaped flower of the most intense sky blue with many flowers open at a time. It has a fairly long period of bloom and is useful for cutting. Its seed pods are beautifully formed and almost as lovely as the flowers themselves.

*Dianthus* (or Annual Pinks) are fine garden subjects. They bloom very freely the entire summer, are excellent for cutting and are splendid planted in masses directly in the ground where they are to remain. They have no fragrance as have the perennial kinds. Salmon King, Fireball, and Snowball are excellent sorts of solid colors.

*Eschscholtzia*. What a name to give such an adorable plant as the California Poppy! He who has seen it growing wild along the railroad tracks in California cannot but admire its bravery and when it grows among the wild blue Lupins of that same state it surely is a sight to be long remembered. There are many hybrids of different colors in this plant but I like the plain yellow one best. It is very useful for picking for the house and lasts quite well.

*Gypsophila* is surely one of the "must haves" as what bouquet is not made more lovely by the addition of its airy grace? This is one of the few plants that thinning does not improve. We plant it thickly where it is to bloom and pull it out as we pick it. For a succession it should be planted every two weeks.

*Annual Larkspur* is a very useful plant when it comes clear and true. I was very much disappointed in this plant last summer. I devoted a large bed to it starting the plants in the greenhouse. When they bloomed they were all striped or mixed. The colors were not clear though I had good seed of separate colors. I do not know what the trouble was but the result was decidedly unsightly. But do not let anyone be discouraged about growing this annual as it might never happen again to me and may never happen to you.

*Lavatera* is a good pink or white annual not very much seen in gardens. It has a flower much the size and shape of a Morning Glory but is pink or white. It is useful for cutting, having a long period of bloom.

*Lupine*. How fond I am of this flower both annual and perennial. Why is it not more generally grown? Sky blue, dark blue, white, and rose are the only shades offered in America. The blues and white are very good but the pink was a decided failure with me. The English Lupins grown by me for the first time last summer were a decided acquisition. The pink was clear but a trifle pale for real value; but there is a splendid dwarf



**Annuals**

blue, subcarneous, very much worth while as its color is a new shade of blue in these plants.

*Marigolds*, both the enormous tall African and the dwarf French are indeed splendid and equally useful. For best results they should be started indoors.

*Mignonette* is grown principally for its fragrance. Its flower spikes are not particularly pretty but might be termed quaint and surely emit an elusive unusual odor. It is best sown directly where it is to bloom but if one desires to start it indoors, seed may be sown in thumb pots and shifted as they grow. Remove all but one seedling in each pot when the true leaves develop.

*Nicotiana Hybrids* is really glorified Tobacco. It is not generally grown, but is very handsome. It grows about four feet or more high and has long sprays of starry blossoms in glistening white, pale lavender, and many rosy shades. It has a peculiarity in that the flower closes and looks quite wilted during the hottest part of the day but opens again as soon as the direct sun passes on. They last many days in bloom. The flowers when picked remain open in the comparatively dim light of the house.

*Myosotis* (or Forget-me-not) is not a true annual but a biennial. It must be grown at least from the previous August and will then bloom in the spring. It sows itself so freely if some plants are allowed to go to seed that one may supply one's friends with literally hundreds of plants and still have more than enough for one's self. Sutton's Royal blue is the handsomest I have found and here we grow it with spring bulbs. Its deep blue is absolutely charming.

*Nasturtiums* need neither description nor introduction. We plant them very early where they are to bloom and they behave very well. It is best not to have too rich a soil for them as they sometimes go to leaves instead of flowers if this is so.

*Pansies* are splendid plants needing no description. The commercial grower prefers to start his seeds in August for next year's blossoms and what is more attractive and spring-like than boxes and baskets of Pansies on the walks and pavements before stores of all kinds in early spring? However, I prefer to start my plants in early January in the house and while the plants are not so handsome when setting out time arrives, I find they bloom longer than their robust brothers and are equally as handsome.

*Petunias* are emphatically another "must have." They are extremely well known and the newer varieties have quickly superseded the hideous magenta shades that used to prevail and made one hate the very name of Petunia. Rosy Morn is a splendid free blooming pink, Snowball a pure white, and Purple Prince the huge pure violet which in texture is finer than the finest velvet made.

*Poppies* are splendid annuals but rather short lived so here we scatter the seed where we wish it to grow and after the plants bloom we pull them out. There are many lovely shades and one not often seen we have here, a semi-double lavender with a purple blotch at the base of its petals.

*Salvia* (Scarlet Sage) is a fine an-

nual where brilliant fall display is desired. This plant seems best to me used against white houses for foundation planting for in the garden it does not harmonize any too well with softer toned plants nor with the brilliant yellows of which we have so many at the time the *Salvia* is in bloom.

*Stocks* are another fine annual much prized for their delightful fragrance. There is a lovely clear lavender variety splendid for cutting which harmonizes well with other flowers, also a pure white, and many shades of pink, salmon, purple, and so forth.

*Sweet-peas*. The very name conjures up pictures of fairy blossoms lightly poised as if for flight. How lovely they are in separate colors or mixed—it matters not. And the fragrance—it is enchanting. But down to earth we must come and rich earth it must be. The ground must be deeply dug to a depth of at least two feet and heavily manured for best results. Peas may be sown directly in the trench on Good Friday, according to many old sages though I imagine this idea originated as a means to insure early planting.

*Zinnias*, the last of the "must haves." The *Zinnia* has been greatly improved in recent years, has been enlarged and many beautiful colors added.

Now we come to the lesser lights in annuals. No doubt many will disagree with me but, of course, "difference of opinion makes horse races."

*Annual Anchusa*—true blue, a little coarse but worthwhile

*Balsam*—many colors, blooming season short

*Celosia plumosa*—red, yellow, pink, rather artificial looking

*Chrysanthemum*—yellows and brown, rather coarse

*Convolvulus Heavenly Blue*—fine color, good vine

*Didiscus*—good color, shy bloomer, good to pick

*Dimorphotheca aurantiaca*, Orange Daisy—small flower, weak stems

*Euphorbia*—good foliage plant, green and white, green and red

*Gaillardia*—red and yellow, good for picking

*Godetia*—pinks and red, rather short season of bloom

*Heliotrope*—wonderful fragrance, shy bloomer with me

*Kochia*—foliage plant, red in fall, good informal hedge

*Lobelia*—light and dark blue, shy bloomer for me, good edging plant

*Nigella*—true blue, pretty but short season of bloom

*Annual Phlox*—red and pinks good, sprawls a bit too much

*Salpiglossis*—many good colors, frail plant, *Petunia* just as good

*Scabiosa*—lavender shade good, much like *Didiscus* but better

*Statice*—dry for winter, quite pretty

*Verbena*—splendid where they bloom well, delightful fragrance

Do not think me unappreciative of my "lesser lights" or unduly prejudiced in favor of my "high lights." No doubt some of you with different climatic conditions might find that my lesser lights blazed bravely for you or that some favorite of mine may misbehave for you. But I must be truly loyal to the faithful garden subjects who have responded to me so readily.

**DOUBLE ROTARY JUNIOR SPRINKLER**

A gentle shower for your lawn, garden, flowers any time needed. Rain-like drops or mist spray evenly and thoroughly distributed without any waste of water. Easily regulated to sprinkle in a circle or in a straight line. Covers circular area up to 80 ft. (more than 5,000 sq. ft.) or down to 15 ft. in diameter, according to pressure. A big water saver! Adjustable nozzle. Self-operating. Built of finest materials.

**TRY TEN DAYS**—if not satisfactory, return sprinkler and money will be refunded. Descriptive literature on request. (Dealers: Write for sales proposition.)

Double Rotary Sprinkler Co.  
101 Coca Cola Bldg. Kansas City, Mo.



**HEAVY DUTY Double Rotary** (Shown below). The leading sprinkler for 13 years for golf courses, parks, cemeteries, institutions, large estates, etc. Sold under same guarantee and trial basis.

**NEXT BEST TO RAIN**

**GLORIOUS GLADIOLUS**



The gladiolus is one of the most satisfactory summer flowers. Sure to bloom, easy to grow, infinite variety of colors, last a week or more when cut. Once you have grown a GOOD collection of "glads" you become a "glad bug" with as much "glad" enthusiasm as the golf bug has about golf. 100 large, healthy Vermont bulbs, \$3 postpaid. This collection is our "get acquainted" offer. Contains 40 fine varieties in many shades of red, yellow, pink, blue, smoke, orange, white. All fine varieties but not labeled. If labeled would cost \$11. This collection is not to be compared with the ordinary collection put out by other growers. It is in a class by itself. 50 for \$1.75.

**Collection of Exhibition Varieties**

3 bulbs each of the varieties listed below. These are among the very finest exhibition varieties in existence. All labeled. 30 bulbs worth \$3.20 at my low prices for \$2 prepaid. Some growers would charge \$5-\$6 for these. This collection is not in my catalogue but is for American Home readers only.

- 3 MINUET, finest lavender.
- 3 CARDINAL PRINCE, cardinal red.
- 3 MARMORA, smoky gray, wonderful new shade.
- 3 W. H. PHIPPS, salmon-rose. Most popular variety in America.
- 3 AFLAME, immense rose, shading to flame.
- 3 BETTY NUTHALL, very fine orange-salmon.
- 3 CATHERINE COLEMAN, salmon-rose.
- 3 GOLDEN DREAM, finest clear, deep yellow.
- 3 MRS. P. W. SISSON, light pink.
- 3 YVONNE, white, cerise spot in throat.

Send for illustrated catalogue which lists the finest varieties from all over the world.

**CHAMPLAIN VIEW GARDENS**

Elmer E. Gove

Box K-5

Burlington, Vermont

**PLANS**  
Book with 160 Illustrations of 45 Complete Designs.  
Price, \$2.00  
Complete information on Home building. Dimensions, Estimates, \$10,000 to \$40,000. Specifications. Special problems developed. Plans and erection supervision.  
**W. D. DEWSNAP Architect**  
55 West 42nd Street, New York

**LITTLE AD - BIG BARGAIN BLUE SPRUCE**  
10 GENUINE COLORADO BLUE SPRUCE (Picea pungens Glauca) 1 foot tall, five years old, twice transplanted—for only \$3.95 delivered. A marvelous investment. Order now for early spring delivery. One year guarantee. Replacement without cost if unsuccessful. Finest evergreens in America.  
**THE LIVING TREE GUILD, Dept. 13**  
National Headquarters for Guaranteed Living Trees  
468 4th Avenue New York, N. Y. delivered!

**CACTI Blooming Size**  
All labeled with correct names. Satisfaction guaranteed. PREPAID. One each of 25 varieties \$4.00  
10 different varieties with 5" Mexican bowl..... 3.00  
—same without bowl..... 1.75  
5 varieties with 5" bowl..... 2.00  
—same without bowl..... 1.00  
Cactus seed 25c per package.  
Cacti cultural book free with orders.

MEXICAN TRADING CO., 413 Two Republics Bldg., El Paso, Tex.

**RAREST FLOWER SEEDS**

Here are the "hard to find" varieties, gathered from odd corners of the world: Eremurus, Tree Peony, Unusual Lilies, together with many a strange beauty from Mexico, Africa and the Orient. For interesting catalog write Dept. E.  
**REX D. PEARCE Merchantville, N. J.**

**Buy Your Lawn Fence DIRECT FROM FACTORY**  
Write for free catalog quoting lowest freight paid prices on genuine Interlocking Lawn Fence for homes, gardens and cemeteries. Six attractive styles, with ornamental posts and gates to match. Send today.  
**INTERLOCKING FENCE CO., Box 588, Morton, Ill.**

**Know Your Garden Inhabitants!**  
It's a pity to pay good prices for named varieties and then lose or forget the name! We make practical labels of lasting quality, different kinds for different plants. Free samples for the asking.  
**THE AQUAPROOF PRODUCTS CO.**  
2182 East 76th St. Cleveland, Ohio



# In and About the Garden

[[ *Edward Barron* ]]



*Mr. Edward D. Jones, Columbus, O., a winner in the Estate Class III, "expert skill employed"*

*Mrs. Charles A. Emery, Pomona, Cal., carried off the first honors in the Amateur Class I, "all work done by the family"*

*Mrs. H. I. Sparey, Colorado Springs, Colo., has the premier award in the class "expert skill employed"*

*Mr. and Mrs. Fielding McClaine, Spokane, Wash., another winner in the "all work done by family"*

*Mrs. Louis H. Swenson, Poughkeepsie, N. Y., where "manual labor is hired," is a prize winner in Class II*



MAY I invite you to accompany me to an intimate nook in some gardens that have been adjudged to be outstanding in their respective groups in all America. When a total of something more than six thousand suburban gardens spread over a fifty-mile radius of New York (City Hall) will formally enter their gardens in a metropolitan area contest—when such activity is displayed, surely there is something to ponder. And similar localized garden contests were conducted in more than seven hundred communities—evidence enough of the popularity and the activity of interest in those who enjoy garden making.

The National Yard and Garden Contest Association of America, with headquarters at Davenport, Iowa, stimulates to a certain degree, sponsors, and largely supplies the working material for these contests but there are others that are organized independently. Can there be any doubt of the tremendous stimulative force that is thus put into action? Sponsored originally by the American Association of Nurserymen as a campaign of publicity for the more intelligent use of better garden materials, the garden contests have largely reacted to civic improvement movements and village and town embellishment. Acting as a sort of final clearing house for the multitude of local contests so far as it gets in contact with them, the Association canvasses the local results and awards supervening prizes, dividing the contestants into three general groups: one, the personal amateur where all the work is done by the family; two, where heavy manual labor is hired; three, where expert skill is regularly employed. The final awards are made by judging photographs of the winners in the local contests. Though obviously liable to inevitable weaknesses, it is about the best thing that can be done under the circumstances.

Obviously, the prize gardens all over the country cannot be visited individually. However, the prize winners may be safely taken as typical present-day developments; and, as such, the accompanying photographs have a national interest. They are not all first prize winners but they are some of the most striking photographs out of the lot.

This is the third annual national contest conducted by the National organization at Davenport, Iowa. Over a thousand photographs were submitted to the final judges and surely it takes little imagination to see how the (Continued on page 381)





You can have a lawn  
and garden like this

but not if it's HALF-STARVED



**Y**OUR lawn, flowers, shrubs and trees try hard. But they can't produce rich, lasting beauty if they're half-starved. Half-starved because hungry roots have been eating the food out of the soil for years. Or because the soil never was rich enough.

Gardeners have tried to replenish the supply with manures and bone meal. But these lack certain necessary elements entirely, and others in proper amounts.

Fourteen food elements in all are needed for vigorous, sturdy growth. Knowing that—authorities now agree on it—the plant scientists and expert gardeners of Swift & Company went to work. And after long experiment, they produced, for the first time, a complete, balanced plant food for home gardens—Vigoro.

Vigoro is the *square meal* for plants. It contains, in the right

proportions, *all* the food elements that plants must get from the soil.

Millions have fed this *square meal* with amazing success. 4 lbs. per 100 sq. ft. will do wonders for *your* lawn, garden and vegetables.

Vigoro is clean, odorless, easy to use—and economical. Your garden supply dealer has it in 5 convenient packs: 100-lb. bags to 12-oz. packages. Order today!

Swift & Company, Chicago

■ **THE "GARDEN HOUR"!** Famous artists singing and playing the songs you love. With the Master Gardener. Sundays, 3:30 P.M., E. T., 2:30 P.M., C. T., over NBC chain. See newspaper for your station.

The square meal for  
lawns and flowers  
is 4 lbs. of Vigoro  
per 100 sq. ft.

# VIGORO

■ Now a sturdy new Vigoro Spreader every family can afford! Only \$1.95 (slightly higher west of the Rockies). Ask your garden supply dealer for a FREE demonstration. Applies Vigoro and grass seed on established lawns evenly, quickly, easily.



# ROSES

NEW Roses and rare Roses, originated in America, in England, in France, and Australia, are now grown in quantity by the producers of the "world's choicest nursery products."

In this group are Hybrid Teas of marvelous colors—golden yellow, vermilion, scarlet, silvery pink, cherry-red, and copper-orange. Here, too, are Climbing Roses, brilliant in color and most desirable in habit.

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.

Here we mention a few of the new Roses that have been introduced in America recently.

**Hybrid Teas**

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

**Climbers**

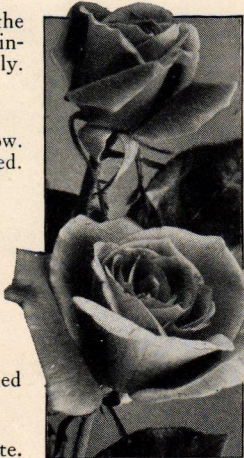
- Henry Linger.** Yellow.
- Royal Scarlet.** Hybrid.

**Hybrid Rugosa**

- Dr. Eckener.** Pink, suffused gold.

**Polyantha**

- Johanna Tantau.** Rosy white.



**ROSES**  
by  
**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. (A charge of 50 cts. must be made for catalogs sent west of the Rocky Mountains.)

**BOBBINK & ATKINS**  
Rutherford New Jersey



**ALADDIN ALADDIN**

ALADDIN



Patent Applied for

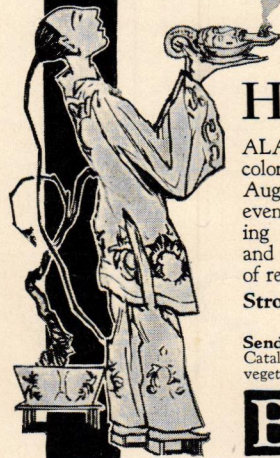
**A New, Extra-Early Hardy Chrysanthemum**

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.

**Strong plants, 3 in. pots, \$1 each, \$9 for 10, \$80 per 100**  
6 plants at 10 rate, 25 at 100 rate

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

**BRECK'S** 85 State Street  
BOSTON, MASS.



**Garden reminders**

*North*

Don't let the first warm days fool you. It is not yet time for general outdoor planting. . . . The hotbed and the coldframe are the gardener's best friends this month. Take advantage of them. . . . In the hotbed sow seeds of all the half-hardy annuals. . . . The following vegetables may be sown in the hotbed: Beans, Beets, Brussels Sprouts, Cabbage, Carrots, Celery, Cauliflower, Egg-plant, Lettuce, Kohlrabi, Parsley, Pepper, Radish, and Tomato. . . . Test temperature of hotbed often, sowing seed as soon as mercury goes below 90°. . . . Transplant seedlings from flats as they are needed, watching them and giving them air and water. . . . Seeds of hardy annuals may be sown when ground is workable, sometimes late in March when season has been mild, though April is generally safer; March may be cold. . . . March 31st is the earliest safe date for Sweet-peas. . . . Put nitrate of soda and salt on Asparagus beds and around Rhubarb plants. . . . Prune fruit trees, order nursery stock for April delivery and rake up litter. . . . Put lime in sour soil. . . . Uncover bulbs. . . . Prune Hybrid Perpetual Roses, Honeysuckle, and Clematis. . . . Take cuttings of Geraniums, Chrysanthemums, Coleus, Ageratum, Hydrangeas, and Fuchsias indoors. . . . Graft Apples and Pears, also Plums and Cherries. . . . Tie up Blackberries and Raspberries. . . . If weather is unusually mild start a few Peas, Beets, Carrots, Radishes, and Parsnips outdoors the last week of March. . . . Cabbage plants wintered over in the coldframe may be put out about the 25th. . . . Burn old branches. . . . Margin walks. . . . Transplant indoor seedlings into tiny pots. . . . Follow spraying guide for this month's spraying activities. . . . Start some Tomato seed in pots. Pot-grown Tomatoes do very well. . . . Get bean poles ready. . . . Give garden its final cleaning up, painting garden furniture, fences, trellises, and lattices. . . . Remove winter covering gradually, keeping covering handy in case of an April frost.

*South*

*Miscellaneous*—For the first two weeks spade, hoe, and fork up the soil. . . . Fertilize and work in manure, or bone meal, or commercial fertilizer, or decayed vegetation from the muck heap. . . . Remove weeds from the lawn with a trowel, filling the hole with good earth, and stick in bits of Bermuda-grass where needed. Or else, spade up the lawn and re-sod with Bermuda for summer, if necessary. . . . Where it is too shady for grass, use English Ivy, Ferns, Indian Strawberry, or Snake-beard (Ophiopogon japonicus), for ground covers. In runways, plant English Pennyroyal. . . . For terraces, Trailing Lantana and Moss Verbena are effective. . . . In the second half of the month prune, spray, and remove mulches. Postpone until all danger of frost is past, cutting away

the dead foliage from tender plants. . . . Spray with oil emulsion for scale insects; bordeaux mixture for black spot; for mildew, dust with flowers of sulphur. . . . Transplant Camphors and other evergreens. . . . Do not prune Grapes after they begin to bud.

*The Flower Garden*—Plan this month for the fall garden and plant for that as well as for late spring and summer bloom. . . . Work and fertilize perennials, and keep them free from insects. . . . Divide Chrysanthemums, Phlox, and other perennials. . . . Sow seeds of all summer annuals, even the tender ones, after the middle of the month. Set out, in the latter part of the month, Ferns and other pot plants from the house, such as Begonias, Geraniums, Lilies, and the seedlings from the hotbed or coldframe. . . . Plant bulbs of Gladiolus, Montbretia, Watsonia, Ismene, Tuberoses. . . . Plant tubers of Dahlias. . . . Make cuttings of Chrysanthemums and Poinsettia. Cut back the old wood on both these plants. . . . Weed out Montbretias where they are too thick. . . . Divide Tuberoses and Gladiolus if necessary. . . . Plant Roses if they are still dormant. . . . Plant Althea, Crepe myrtle, Oleander, Hibiscus, Cassia, Duranta, Justitia, Jacobina, Erythrina Malvaviscus, Plumbago, and other shrubs for summer and fall bloom. . . . Plant Clematis, Morning-glories, Coralvine, Thunbergia, and other vines to cover fences and garages. . . . Set out the bulbs that bloomed indoors, after cutting off dead blossoms, and let the foliage ripen and new bulbs form.

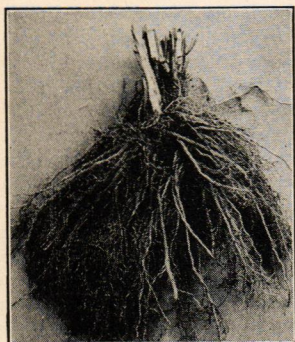
*The Vegetable Garden*—Spade, fertilize, and cultivate the beds. Clear away all old growth, burning any diseased leaves. . . . Sow beets, Carrots, Early Cabbage, Kohlrabi, Swiss Chard, Chervil, Cress, Celery for cutting; Lettuce, Leeks, Parsley, Mustard, Radishes, Rocket, Spinach. . . . Near the close of the month plant Endive, Bush and Pole Beans, Melons, Squash, and Cucumbers. . . . Set out Eggplants, Peppers, and Tomatoes. . . . If the ground is warm enough, plant Lima Beans and Okra near the end of the month.

*The West Coast*

Remove weeds and keep the soil stirred and raked and look out for all garden pests. Fertilize old lawns and start new ones. . . . Divide and replant perennials. Sow annuals in protected flats, adding to the list, Nemesias, Lobelias, Forget-me-nots, Cosmos, and wild flowers in open places. Also set out young plants already started. . . . Complete planting of deciduous trees and shrubs, and begin planting tender evergreens. Select Acacias for succession of bloom, and make sure of Peppers that will bear berries. . . . Plant Lily-of-the-valley for house blooming, leaving the pots in the dark for three weeks, exposing to the light gradually. . . . Tuberoses may be set out now in coast regions where they have been taken up. . . . If the Roses do not look healthy, take them up and, if need be, prune the roots and replant in fresh soil.



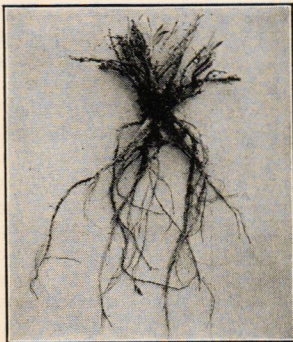
## First Year Success With HARDY PLANTS and ROCK PLANTS Depends on Having Roots Like These



You would expect an Hemerocallis to have plenty of roots, but you hadn't expected a fork full like this. Now you know why Wayside plants grow so thrivingly and bloom so freely the first year.



This is Veronica. Just look at that husky top and the veritable bundle of the finest of roots. Such are the plants you get from Wayside.



Note the length and spread of these Dianthus roots. That's the kind we will send you.

YOU can't start wrong and expect to end right. You can't expect spindling, scant-rooted plants to give you satisfactory first year results. You can't expect one-year-old plants to have the sturdy stamina of Wayside full-rooted, sturdy, two-year-old, out-door grown clumps.

Such plants with their abundance of husky roots, at once take hold of the earth and start growing. They are all cranked up to go, so to speak.

Unfailingly they will bloom for you the first year.

Wayside plants cost you no more than the one-year-old spindling sort. Our skilled growing methods and quantity production, enable us to supply this superior stock without any extra charge. Furthermore, if anything is not entirely satisfactory to you, we promptly make good. Promptly and cheerfully.

And another thing—there's our new catalog. It is even better than last year's. Larger. Contains more helpful material. There are no general growing directions. Each plant has its own separate directions. That's another reason so many sent for it last year. Reason enough for you sending for it this. It is the only catalog so far as we know, that contains individual growing directions. By far the finest book of its kind published in America. It will be sent free.



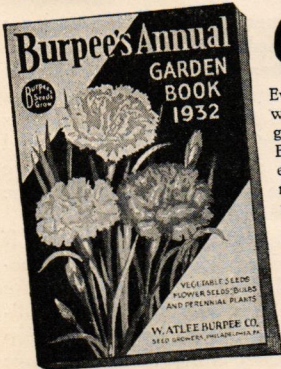
AMERICA'S FINEST PLANTS AND BULBS

# Wayside Gardens

MENTOR, OHIO

Reg. U. S. Pat. Off.

# BURPEE'S Garden Book FREE



Every year this great Garden Guide is awaited with special interest by experienced gardeners, for Burpee's Annual Garden Book is always a source of new and interesting information. Burpee has introduced in America more distinct new varieties of vegetables and flowers that are now in general cultivation than have any three other seed houses combined. This year Burpee's Garden Book is bigger and better than ever. It describes all the best vegetables and flowers including 117 new varieties. Hundreds of illustrations, many in natural colors. Luther Burbank said: "Your catalog is a gem. I always refer anyone asking for seeds to your firm as I consider your house the most reliable retail house in the world." Write today for your free Book.

### BURPEE'S Finest 1932 Novelties

To add new beauty, new colors, new variety to your 1932 garden, we offer a remarkable list of delightful giant novelties. With them you can make your garden the envy of all who see it. Order promptly to be sure of getting these lovely new flowers.

**Snapdragon Floradale Salmon-Rose** (Antirrhinum Maximum). This beautiful shade adds a new and much sought after color to the Maximum group and gives us the most gorgeous Snapdragon of all. It is a lovely salmon combined with begonia-rose. Per packet 35c

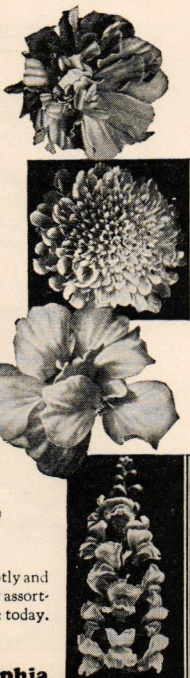
**Nasturtium Golden Gleam.** A new double sweet-scented Nasturtium. Large, golden yellow flowers are borne in the greatest profusion on erect 6-inch stems well above the foliage. Per packet 35c

**Marigold Guinea Gold.** Distinctly new type, with semi-double flowers of a brilliant orange flushed with gold. Per packet 35c

**Burpee's New Giant Hybrid Scabiosa.** Ten years of patient breeding has produced this wonderful Hybrid with colors never before seen. Per packet 35c

**Aster Improved Giant California Sunshine.** A new race of Asters in startling beautiful colors and of enormous size. Finest mixed. Per packet 35c

**Larkspur Giant Imperial Miss California.** More distinctly of the upright or Delphinium type than any yet introduced. Double flowers, deep pink on salmon ground. Per packet 35c



### ANY 4 FOR ONLY \$1.00

The regular price of the lovely new flowers described above is 35c a packet. Act promptly and you may have your own selection of any four for only \$1.00 (regular price \$1.40) or any assortment of ten packets for \$2.00 (regular price \$3.50). Don't risk disappointment. Write today.

Send at once for your free copy of Burpee's Annual Garden Book for 1932.

W. ATLEE BURPEE Co., 975 Burpee Bldg., Philadelphia

## Have you had "bad luck" with Grass Seed?

How much care did you use in buying it? A lot of grass seed, you know, contains a high percentage of worthless chaff and cheap annuals, such as Timothy, and is dear at any price. Dreer's fine, re-cleaned, new crop grass seed is free of these and produces smooth, velvety green lawns.

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.

HENRY A. DREER

Dept. D

1306 Spring Garden Street

PHILADELPHIA, PA.

# DREER'S



### Turn WASTE Into WEALTH

Do not destroy vegetable refuse. It represents more than half the yield of the soil. By the simple ADCO process it can be converted into manure and turned back to nourish that same soil.



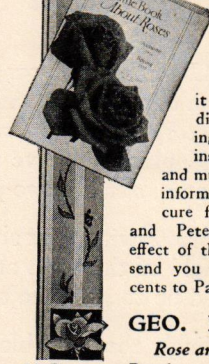
Your seed dealer can supply you with ADCO, or it can be had direct from us.

Every bit of vegetable refuse—leaves, weeds, cuttings, etc., from the garden; straw and corn-stalks from the farm—can be turned into rich, valuable manure without animals by the use of ADCO.

You owe it to yourself to know about artificial manure and how to make it. Won't you let us send you our booklet? It's free.

ADCO  
1738 Ludlow St. Philadelphia, Pa.

### "A Little Book About ROSES"



Free on Request

This little book gives a lot of information it has taken a lifetime 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.

GEO. H. PETERSON  
Rose and Peony Specialists  
50 Paramus Road, Fair Lawn, N. J.

### Water gardens in the making

Continued from page 352

the water. To produce the noise of a waterfall it may be necessary to cut grooves in the sandstone ledge or even undercut below to form a lip. A grotto or cave back under the waterfall makes an excellent sound box as well as a dark background for the silver threads of water.

If the pond is to be of the formal type it should be located to conform best with the formal surroundings. An informal pool may be placed anywhere so long as it shows to advantage from frequented spots in the garden. This is especially true of the water garden that has no fixed water supply or drain. Such a pond six to ten feet long and three or four feet wide of irregular shape is very satisfactory. Water may be supplied from the garden hose. Since perspective foreshortens the apparent size of the pond, a small pool should have its water line nearly on a level with the surrounding ground or it will be quite invisible except at close range. A greater reflecting surface will be presented if the pool is so placed that one can look down its entire length.

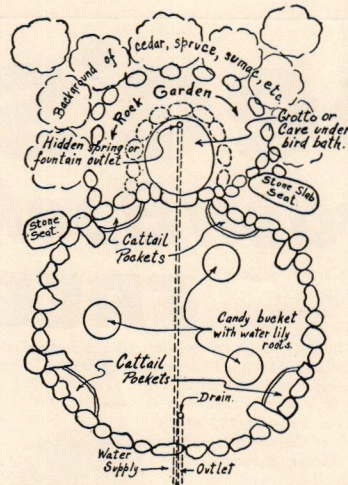
If all the work be done by yourself the only factor of expense is the cement and gravel necessary for making the concrete. The best mixture to use is what cement workers term a one-two-three mixture; that is: one part of good cement, two parts of sharp sand, and three parts of screened gravel. If the pool is to be built in a clay soil it will be necessary to purchase screened cinders

sufficient to provide a six-inch layer under the concrete for drainage to prevent frost heaving. Sandy soils provide sufficient drainage, so that the cement can be laid directly on the floor and against the walls of the excavation. In clay soils it may also be advisable to use reinforcement in the concrete—chicken wire or small mesh wire fencing.

Work may be started by driving stakes into the ground at intervals sufficiently close together to designate the outside limits of the pool. Remember, for excavating, to add from twelve to twenty-four inches extra to the inside finished length and breadth to allow for the thickness of the retaining walls, stones and cinders as needed. Do not forget that small ponds should have their water line close to or even with the surrounding ground, while long or large pools may have the water level several inches below the enclosing soil. Excavate to the proper depth accordingly, allowing not less than five inches for the thickness of the cement floor of the basin and an additional six inches for the layer of cinders, if needed.

The depth of the excavation will also be governed by the type of retainer to be used for the Waterlily roots. If the retainer is sunk below the level of the bottom of the pool the depth of the water need not be much greater than twelve inches. If placed in receptacles resting on the floor of the pond a depth equal to the height of the root container must be added. In the latitude of Grand Rapids, Michigan, roots have been left in retainers sunk below the pool floor the entire winter with no covering other than the leaves and snow that drifted into the basin, and in May the plants reappeared as alive as ever to flourish throughout the summer. For root containers wooden lard or candy buckets are used. When placed on the bottom of the pool, piles of stones are set in cement so fixed that the bucket is hidden, but may be lifted out and placed in a warm cellar or garage during the winter months, after the pool is drained.

Now dig the bucket holes, and if the containers are to be placed below the bottom of the pool, make the holes ten inches greater in diameter than the bucket and as deep as the bucket is high. Also arrange now for Cattail pockets, if desired. If running water and a drain are to be used, the ditch for laying the pipe lines should be dug at this time and the necessary pipes laid.



Semi-formal type of pool in the author's garden near Grand Rapids, Michigan, built according to the details explained herewith. The photograph below shows the stage of construction when the walls had set and the first row of stones were in place

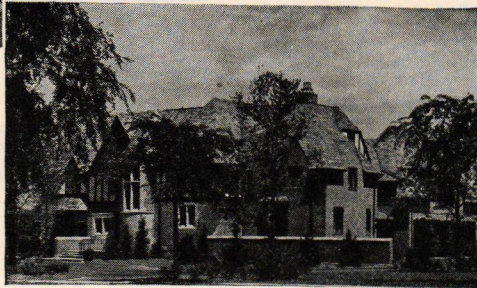


### "AS THO' BY MAGIC"



... a house becomes a beautiful home ... in 3 short months

The home of Mr. A. B. Schultz, Buffalo, N. Y. One photograph taken in May 1931 before planting was started ... the other in August ... three months later.



Immediate results in picturesque settings that fit individual planting problems distinguish the service of our Landscape Department. No home acquires an atmosphere of charm without appropriate surroundings of trees, shrubs and flowers.

We offer no stereotype plans—each problem is treated individually. One of our staff, visits your property. He learns your ideas, and fits them into a complete plan that includes all trees and plants, grading, terracing, drainage, location and grouping of buildings, transplanting of trees, entrance gates, drives, masonry, construction, pergolas, garden gates, tea houses and garden furnishings, garden pools and swimming pools, special rock gardens, rose gardens and formal gardens, and woodland effects such as bridle paths and waterfalls.

No problem is too big or too small to be solved to your satisfaction by our landscape experts. All of the nursery stock is supplied by our own Glenwood Nursery, a nursery that produces practically everything that is hardy out of doors and of the finest quality.

Landscape work is carried on throughout the year. Write us and we will arrange an appointment at your convenience. For further information write for Free Catalogue describing our Complete Landscape Service and Nursery Stock.

**Glen Brothers, Inc. GLENWOOD NURSERY**  
NURSERY MEN AND LANDSCAPE CONTRACTORS  
1773 Main Street, Rochester, N. Y. Established 1866  
"We furnish the home — outdoors"



### BRAND'S OWN-ROOT LILACS

Choose from world's largest stock of OWN-ROOT lilacs—over 160 new French varieties. All colors—white, red, lavender, blue, pink, purple. ALL GUARANTEED TRUE TO NAME. Don't confuse Brand's Own-Root Lilacs with ordinary lilacs budded or grafted on privet. Brand's Lilacs are hardy. For strong thrifty tops and large magnificent blooms, Brand's Lilacs are GROWN ON THEIR OWN ROOTS—no danger of suckers choking out mother bush. To avoid disappointment, send to BRAND.

BRAND PEONY FARMS, Inc.  
132 E. Division St. Faribault, Minnesota

Brand Peony Farms, Inc.,  
132 E. Division St., Faribault, Minn.

Please send catalog.

Name \_\_\_\_\_  
Address \_\_\_\_\_

**PEONIES** Over 200 Varieties  
... gorgeous peonies for spring planting—singles, doubles, "Japs"—all colors, highest ratings—early, midseason, late. Many bargain collections. Ask for new catalog in colors—peonies, lilacs, other perennials, shrubs, ornamental trees, and fruits.



### Water gardens in the making

Cover the bottom of the pool cavity with a well-tamped layer of screened cinders about six inches thick, if on a clay bed, and the concrete mixing may be started. In a clay bed make the pool deep enough to set the containers on the floor of the pond. Use a rather wet or quaky mixture. Place concrete at the bottom of the bucket holes about five inches thick. Set the buckets in place and pour concrete all around them. Tamp well, especially close to the surface of the bucket, so as to fill all voids. Tapping around the inside of the bucket helps to bring the fine cement close to the surface of the tubs, and makes the concrete more water tight. Small stakes driven into the earth or cinders at intervals over the bottom of the excavation and projecting six inches above it will help as guides, to lay the concrete to a uniform thickness. Pour the concrete to within an inch of the tops of the stakes, and then withdraw them, tamping all concrete well to prevent voids. Build up the sides well above the water line. Set in large flat stones or slabs, such as old pieces of sandstone curbing, which will jut into the water or stick out over the pond for reflections and contrasts. Form a mental picture of the contour of the pool as you wish it to appear, and arrange the shapes and sizes of stones conveniently around the edge. As soon as the concrete side walls have set sufficiently, place the first row of stones and cement them in place. Be sure to wet all stones well in a tub of water so that moisture will not be absorbed from the cement. It is well to lay the concrete forming the pool basin all in one day to avoid seams and possible leakage.

Build the basin water tight a few inches above the ground level with cement and stones so that earth will not drain into the pool with every rain. A mixture of rich cement, one part cement and one part sand, should be troweled or brushed over the entire surface of the concrete about one quarter to one half inch thick to make the basin water tight. This may be done as soon as the first row of stones around the pool has been put in place and do not wait until the concrete has set and become surface dry or the rich cement will not stick. If pieces of wood are laid about the floor of the basin to

walk on, the mixture may be troweled on while waiting for the side walls to harden sufficiently to support the stones. If done after the stones are laid be careful not to get the cement mixture on the exposed surfaces where it will detract from the natural beauty of the rocks. Allow ample spaces between the rocks for moss to grow, and roughen slightly the cement between the stones so that the moss may obtain a firm footing. Moss, and there are scores of varieties, chucked into all the crevices and capping the crests of stones at the surface of the water presents the effect of age.

The day after the cement has set fill the basin with water to "cure" the cement, making it harder and more durable. If you will now put on hip boots, the water in the basin will in no way interfere with the laying of the remainder of the stones around the pool nor with the construction of the rock garden wall, grotto, or cave as may be desired.

Rocks for my own pool were gathered before the actual work was begun. The source of supply varied. An old sandstone foundation of a house destroyed by fire furnished several excellent pieces; the city dumps unearthed pieces of sandstone slabs formerly curbing; gravel pits and near-by rocky farmland supplied the greatest number, while odd formations were eagerly sought along the country roadside. All were brought to the lot in a sedan car the back seat of which had been removed. If a trailer is available collecting the stones is made much easier. Remember, however, that stones are heavy.

Waterlilies can be had in a great variety of colors, even the hardy ones. And the tender tropical kinds defy description of their gorgeous brilliancies. Get them from a specialist at the end of May. Plant in tubs filled with a mixture of rich garden soil of which one fourth is well-rotted manure. They should be set just out of sight in the tubs, no deeper. To prevent the water from becoming riled and discolored by the earth use a clean layer of beach sand and fine gravel to top the filling in the buckets. Place any other aquatic plants in the pockets i.e., Cattail, Arrowhead, Pitcher-plant, etc., using the same kind of soil as for the Waterlilies, after which fill the basin with water.

### Recent Roses of real merit

*Continued from page 325*

that we may discover in certain understocks a means of bloom persuasion. Let me also with pleasure announce that at last nurserymen have discovered this superb Rose, first "showing its stuff" at Breeze Hill in 1928 on plants brought there in 1927.

There are other Australian immigrants deserving mention here among the Large-flowering Climbing Roses, several of which also tend to gladden us with flowers in the late autumn. Kitty Kininmonth, Miss Marion Manifold, and Black Boy are the pleasant names of three colorful gems, all in shades of crimson that run to the very darkest in the last named. All have proved hardy at Breeze Hill and all are abundantly worth while. The latest to arrive in America, the

largest and richest in deep crimson, is Countess of Stradbroke, but she has so far smiled on us only in the early summer, though the great Australian hybridizer, Alister Clark, who is the responsible author, insists that on the other side of the globe the smile is continuous.

To them must be added in lighter shades the dainty Daydream and the richly pink Nora Cunningham among the Australians, and the truly splendid Spanish beauty Mme. Gregoire Staechelin, before mentioned, badly handicapped by its awkward name.

Not enough rose folks yet enjoy Dr. Van Fleet's only cross into the Pernetiana group—a Rose he particularly loved but which he did not live to see get its real stride of

# HENDERSON'S Special Free OFFER

## 1932 SEED CATALOGUE AND 25c REBATE SLIP

Mail the coupon and we will send you free of charge "Everything for the Garden," Henderson's new seed catalogue, together with the new Henderson 25-cent rebate slip.

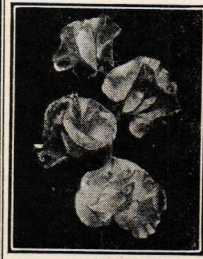
"Everything for the Garden" is the title of our 1932 catalogue. It is a beautifully illustrated book with 32 full-color plates and hundreds of illustrations direct from actual photographs of the results of Henderson's seeds. It offers many special collections of vegetable seeds arranged so as to give a continuous supply of fresh, crisp vegetables throughout the summer, and collections of flower seeds especially arranged for harmony of color and continuity of bloom.

It is a complete garden book and should be in the hands of every lover of the garden beautiful or bountiful. Clip the coupon now!

The Henderson Rebate Slip, which will be sent with every catalogue where the coupon in this advertisement is sent us, will be accepted by us as 25 cents cash payment on any order of two dollars or over. In addition, we will also include with your order from our catalogue amounting to two dollars or over, our Henderson Specialty collection of six packets of Flower seeds.

These six packets are all seeds of our own introduction and are among our most famous specialties—Large Early Flowering Cosmos (mixed), New Giant Zinnias (mixed), Giant Single Flowering Petunias (mixed), Invincible Asters, Brilliant Mixture Poppies and Giant Waved Spencer Sweet Peas. These, like all Henderson's Seeds, are tested seeds.

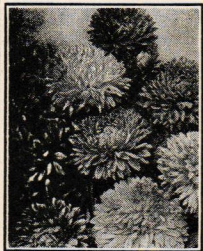
For eighty-five years, HENDERSON'S TESTED SEEDS have been the standard. Year after year, our constantly improving methods have enabled us to maintain our supremacy among American seed houses. The initial cost of your seeds is the smallest item in your garden's expense, and it is of advantage to plant seeds of recognized quality from a house of reputation and standing.



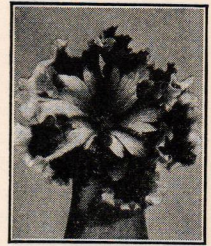
Giant Waved Spencer Sweet Peas



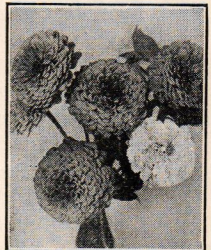
Brilliant Mixture Poppies



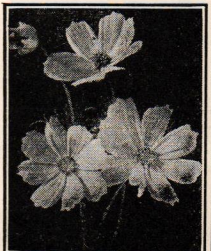
Henderson's Invincible Asters



Giant Single Flowering Petunias

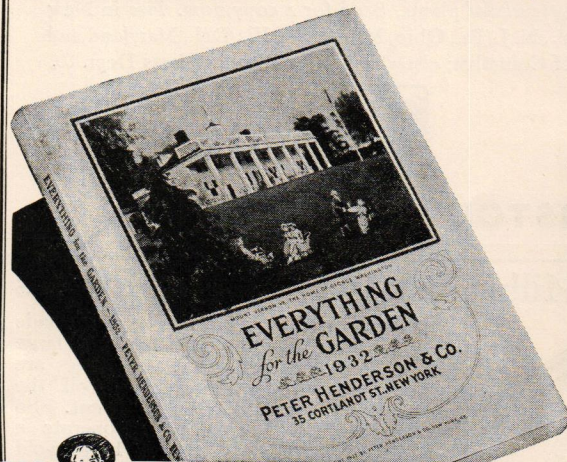


New Giant Zinnias



Large Early Flowering Cosmos

**PETER HENDERSON & CO.**  
35 Cortlandt Street New York City



**PETER HENDERSON & CO.**  
35 CORTLANDT STREET  
NEW YORK CITY

You may send me your 1932 Catalogue and 25c Rebate Slip.

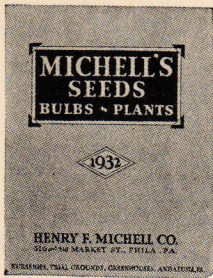
Name .....

Address .....

35 City .....



## FROM THE FOUR CORNERS OF THE WORLD



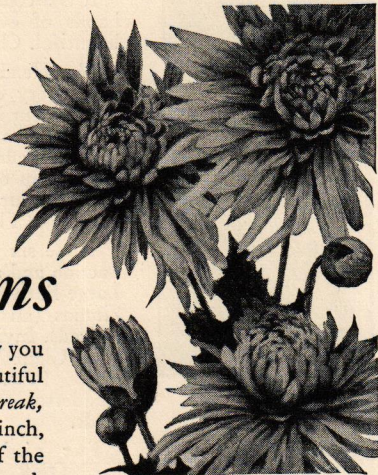
MICHELL'S have gathered seeds, bulbs and plants for your garden. From the populous centers of America and Europe, from the wilds of Asia and the Orient come seeds and bulbs to make your garden more beautiful and more worthwhile. No matter whether it be tomatoes or lilies, salpiglossis or potatoes you will find them all in this new 1932 Catalogue. Novelty and standard varieties. Only the finest have been included under the supervision of our staff of experts. 184 pages filled with garden lore and descriptions . . . yes, profusely illustrated, too, in color and halftone. A FREE copy awaits your request.

### MICHELL'S SEEDS

520 Market Street

Philadelphia, Pa.

## Plant some of these *NEW* chrysanthemums




CHRYSANTHEMUMS! Now you can choose from three beautiful new Bristol introductions: *Daybreak*, which bears gorgeous three-inch, shell-pink blooms, like those of the popular new Seashell; *Vivid*, a handsome crimson in color, like the American Beauty Rose, which grows to 2½ feet; *Yellow Gem*, one of the finest pompons, whose dainty, little one-inch blooms are a bright canary yellow. Potted plants: 50c each; \$5.00 per dozen. Field plants: 75c each; \$7.50 per dozen. Whether you plant one or all, you are assured of beautiful Chrysanthemums—in full flower before the late October frosts.

## BRISTOL NURSERIES INC.

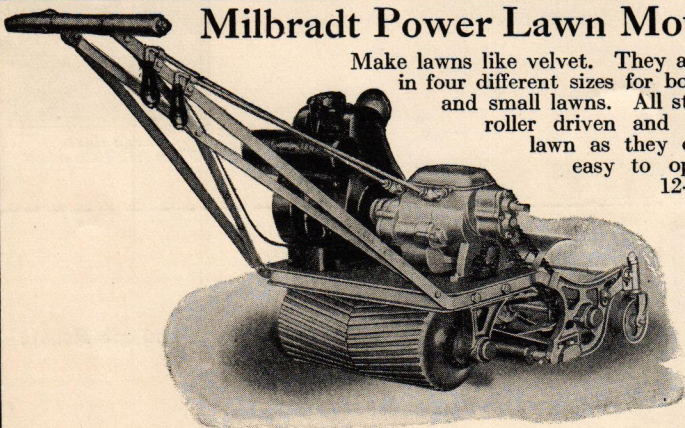
And may we remind you of the many other fine Bristol introductions, now old favorites, which have been carefully chosen for the hardy garden, in keeping with Bristol's policy of *pre-selection*. They are described in the Bristol Catalog, which also tells about many other choice, *pre-selected* plants. Send for a copy now. Free in New England, N. Y., N. J., Pa., Ohio, Mich., Ind., Ill., Del., Maryland and the District of Columbia; elsewhere, 50c. Please address Dept. 10.



• BRISTOL  CONN. •

## Milbradt Power Lawn Mowers

Make lawns like velvet. They are made in four different sizes for both large and small lawns. All styles are roller driven and roll the lawn as they cut. So easy to operate a 12-year-old boy can run one. Let us prove it.



MILBRADT MANUFACTURING CO.

Established 1895

2402-04 No. Tenth Street

St. Louis, Mo.

## Recent Roses of real merit

growth. The superb Breeze Hill must have two or three years to establish itself before it puts on its crown of immense sunrise flowers.

But I surely must mention Mermaid, the only *Rosa bracteata* hybrid of which I have information, not only because it does continuously give its five-inch single primrose blooms, but because its foliage is decorative and different. It is not dependably hardy north of Harrisburg, I fear, though I have learned that its apparently dead canes are able to send forth blooming wood. Let me urge its possessor to prune it not at all.

We are seemingly coming toward a worth while hardy yellow climber, long desired. Emily Gray gave us the color and the sweetness several years ago, but is not safely frost-hardy north of Philadelphia. Our hopes were turned to Star of Persia, but that Rose proved to be too temperamental in its bloom ideas. Le Rève did and does better by far, and the newer Primrose seems to be coming into the picture most pleasantly, though with blooms that are not large. We are now to expect much of a Rhode Island Rose of climbing habit which will doubtless go into commerce as Golden Climber. This Rose promises well in size and maintained color, as does another yet unnamed Setigera Hybrid carrying good color into the section where 20-degree sub-zero temperatures have heretofore wiped out other Climbers.

I could write much of my preferences, introducing Jacotte, Albertine, Coralie, Thelma, and many others, all lovely and all useful in the modern rose garden, framed in arches and pillars that are glorious in their June bloom and, restfully decorative with good foliage until hard freezing bares their twigs to winter's tracery of snow, sleet and hoar-frost. My rose garden is entertaining, at least to me, full 365 days in the year!

Now how are we getting on with the Hybrid Teas that make up most of our rose gardens? The answer is that we are developing a taste for large, somewhat loose and altogether lovely forms, and warming their colors into the apricot, salmon, and almost pure orange shades. Since in 1900 the wonder-working Pernet-Ducher brought the rich *Rosa foetida* coloration under partial control in Soleil d'Or, an indubitably once-blooming Hybrid Perpetual, the progress has been continuous. He at once bred the new color into the Hybrid Tea current, and other breeders kept on with it. Troubles came along with the advantages, alas! Huge thorns, beautiful leathery foliage that looked as if it could endure anything but is always inviting black-spot along with its disposition for early maturity—these demerits have had to be bred away from, without high success in the endeavor. Yet we cannot spare the sunset hues that distinguish a class called "Pernetiana," though it is clearly Hybrid Tea in its combination of the remote strains of the old Tea, Bourbon, and other groups now indistinguishably mingled.

In form the tendency is away from the plentiful petalage of the original and yet lovely first Hybrid Tea, La France. We seem to prefer a

somewhat pointed bud, of which a petal quickly and cunningly curls outward, as in Rev. F. Page-Roberts when that elusive variety is behaving. Another ideal in form and almost in color is the crimson-scarlet Etoile de Hollande, not yet excelled in beauty, form, and fragrance, though now National Flower Guild (an awful name!) is in the open out-flowering it, though not in the shade outgrowing it.

Yet we accept gladly the fuller form of Dame Edith Helen and Mrs. A. R. Barraclough, and I have yet to hear anyone fail to express high admiration of the rather full petalage of Margaret McGredy—probably because this great Rose offers us a different, almost entirely novel shade of indescribable light scarlet. The new Olympiad to be sprung on the rose world from Los Angeles during the Olympic games even brightens this peculiarly pleasing shade.

Of the making of red Roses there seems no end, and I could name a dozen that are good, but not different enough to be sure about. We need a moratorium at least on red Roses! Souv. d'Alexandre Bernaix has pushed itself up by growth habit, and The General by its even, low loveliness. Joyous Cavalier is up-standing with its showy but careless blooms, and offers little improvement upon Gruss an Teplitz.

I watch the throngs of visitors who on entering the Breeze Hill rose garden at first do the usual admiration stunt about the circle-segment of varieties grouped in general color similarity, and then promptly head for the yellow and salmon quarter. We are all sun-worshippers! Of course the first yellow "big noise" is the aggravating Souvenir de Claudius Pernet, which may, if it is feeling that way, exhibit its unpleasant black or blasted center. Its daughter, Mme. Erskine Pembroke Thom, is not ashamed of its heart, but sometimes pales much in color, being nevertheless the better Rose, as I see it.

When another candidate for sun honors came along tagged with another long and awkward name of a fine lady, it was especially interesting because it brought in the potent Ophelia strain through its seed parent. At first Mrs. Pierre S. du Pont hung fire, probably because it had been worked toward weakness through the use of immature buds, but it has recovered and shows much good bloom on a rather low plant.

Dispute has raged about Ville de Paris and Julien Potin, both seedlings of Souvenir de Claudius Pernet and both sent out within a year by the originator of that variety. Both are admirable some places, some times, and there are those who believe them to be mighty near the same. I wonder!

As I write these words I am looking at the literally amazing blooms of a clear yellow Talisman sport which if it does as well outdoors as it seems to be doing indoors will be good enough for anyone. Its buds were good, but its open blooms, even after four days, are astonishing. It will come along in due course as "Souvenir," I am told.

Lighter in the yellow scale is the



### Recent Roses of real merit

fine Australian Hybrid Tea, Golden Dawn. Large and lovely it is, with an admirable habit. An observer who writes in "The Proof of the Pudding," which each year presents in the American Rose Annual the assembled information of a half-hundred shrewd observers, calls it "the loveliest and easiest to grow of all the new yellow varieties."

In that difficult zone between red and yellow are found many candidates. Lady Margaret Stewart gave vast pleasure, but too seldom. Rev. F. Page-Roberts sprawls as no clergyman should, yet we listen. Jules Gaujard warms my enthusiasm; he stays. Charles P. Kilham deepens the color, but is quite erratic in habit.

Mevrouw G. A. van Rossem is one of a group of Holland hybrids named to be disregarded. This particular Mevrouw has rich color which is as variable as its name is bothersome.

Three American Roses of high merit come into this red-and-yellow zone and increase its importance. Talisman, ideally named, is a garden gem in color and in bloom and growth habit. It now fully belongs. President Herbert Hoover has a totally different color expression, but it complements Talisman. Literally astonishing is the orange-brown bud of Autumn, certainly well named and almost as well behaved. It is not closely comparable with any other Rose in the color of its bud, though I have recently seen an offer from Spain of a new Rose which approximates it.

Somewhere in this color vicinity ought to be considered another American Rose, well called *Gaiety*. Sometimes pale, sometimes intense, it is always interesting and beautiful. I call it essential to the smaller rose gardens.

#### PINK ROSES EVER POPULAR

Of the making of pink roses there has certainly been a great superfluity, for pink is the natural rose color. We can consequently be critical as to the new introductions, wherefore I am not here giving any space to scores of them that are good, but not dominantly so. Among the *Ophelia* sports *Rapture* may be mentioned, however, as it seems to push up the *Ophelia* quality. Then come in several that touch upon the sunset hues and thus acquire merit. Of these is the delightful *Edith Nellie Perkins*, said by a Canadian observer to show "a combination of orange, yellow, and salmon-pink well maintained." Comes now an entirely different and (to English language groups) badly named *Rose Kardinal Piff* which gives good flowers on a not very vigorous plant. In the same general color range is the very beautiful *Leonard Barron*, intended to compliment the horticultural editor of this magazine.

When "Andrew H. Brown speaking" is full of desire to make what he calls "a impress," he unknowingly speaks for a Rose of just that name that always does it. *Impress* has great open blooms that mingle the desirable hues in a distinct flower on a not too strong plant. Each flower is an event.

Just here I wish I could have as much Eastern enthusiasm for *Miss Rowena Thom* as I had when I saw that lady in Exposition Park, Los Angeles. In Washington it has distinguished itself by immense growth and persistent bloom, but elsewhere on the Atlantic Coast it does not seem to register.

Not really new is the exquisite two-toned *Betty Uprichard*. Nothing touches it in unique beauty in June, but it doesn't keep on. Yet I can't spare it.

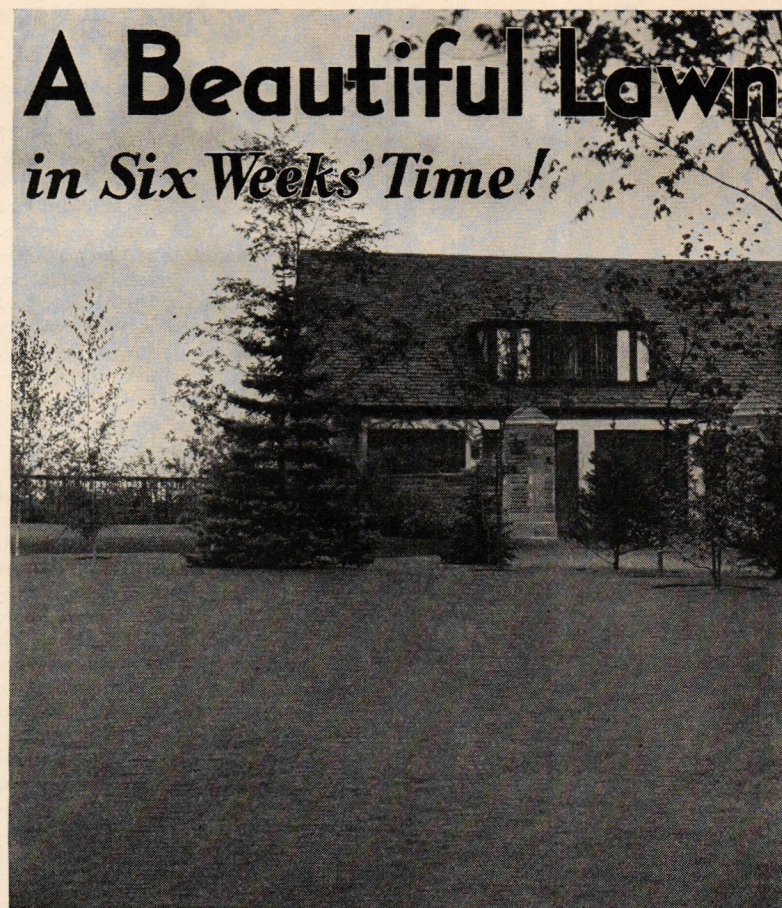
Reluctantly, because of its name, I mention the deep pink *Rose* upon which has been bestowed my un-euphonious cognomen. The qualities that do commend *Editor McFarland* are its vigor of plant, its continuity of bloom and the remarkable endurance of these solid and even pink blooms when cut.

#### THE NEWER WHITE ROSES

Perhaps I ought to say a word about the newer white Roses. *Caledonia*, *Nuntius Pacelli*, *Abol*, *Edel* are all good, and scarcely vary in any serious way from the old *Mme. Jules Bouche*. To me the ideal white rose is the pink-fleshed *Miss Willmott*, which, alas, does not always behave as well as those I have mentioned and is therefore now excluded from the *Breeze Hill* garden.

It was in 1903 that a French hybridist crossed *Crimson Rambler* on one of the *Dwarf Polyantha* Roses of the day. The fine result of course he named for his wife, *Mme. Norbert Levavasseur*. The Rose "took," but the name did not in America, and soon it was in commerce as "*Baby Rambler*," though it surely doesn't ramble and it isn't much of a baby. That first good constant-blooming quite hardy dwarf-habit *Polyantha* has been followed by many much better and very beautiful sorts. None has yet superseded the indispensable large white, pink, and chamois of *Gruss an Aachen*, but there came to *Breeze Hill* from Australia in 1927 the light pink *Mrs. R. M. Finch* which is so persistent in bloom and so beautiful in its habit that it has now broken into the reserve of American nurserymen. Taken with *Chatillon*, *Lafayette*, *Ideal*, and a half-dozen others, a group of great importance is available to gardeners wise enough to use them not only in the rose garden but for foreground material anywhere. Some brilliant orange shades are now appearing, one of which is breaking into commerce under the name of *Paul Grampel*. There are several that bloom in beautiful orange but fade into pink mud; I do not mention them.

So much for the *Rose* variety details, expressing only my own opinion. Experience has forced me to the conclusion that most *Roses* are intensely local in their adaptability. This is just as it should be, because it gives zest to what I repeatedly refer to as the lovely adventure of rose growing. I am no patent medicine prophet of sure-thing "favorite-dozen" *Roses*. Buy them, try them, love them, scold them, tell about them, discard some of them. So shall your failures all profit you.



## A Beautiful Lawn in Six Weeks' Time!

### Scott's Creeping Bent for Perfect Lawns!

SOD in six weeks! A rich, velvety stretch of lawn that chokes out weeds before they can grow! A deep, thick, uniform turf that's everlasting. That's what you get with Scott's Creeping Bent recognized as the ideal grass for golf putting greens—is now producing **Super-Lawns**. Instead of sowing seed, you plant stolons (chopped grass). In a few weeks you have a luxuriant lawn like the deep pile of a Turkish carpet.

#### Makes Your Home A Beauty Spot

With proper care no replanting is ever necessary. Truly an everlasting lawn. Grows readily anywhere except in extreme South.

A Hanover, N. H., Customer writes: "All you wrote me about your Creeping Bent has proven true. I have the finest lawn in this vicinity and is admired by everyone."

From Huron, S. D.: "We have the most beautiful lawn in the city. People from all around drive here to see it."

From Lansing, Mich.: "We had an excellent turf in six weeks from the time we planted your Creeping Bent. It is remarkable how fast this lawn developed."

#### Write for Free Booklet today.

Tells how to make a new lawn and how to replant an old one.



This little booklet "Bent Lawns" is free to you. It is a valuable treatise on how you can have a beautiful lawn. Write today for copy.

## O. M. SCOTT & SONS CO.

201 MAIN STREET

MARYSVILLE, OHIO

### World-renowned Delphiniums

9 R. H. S. Gold medals—an unequalled record—and 3 first prizes in the 3 principal classes, British Delphinium Show, both in 1929 and 1930, and 4 ditto in 1931. Seed choicest mixed \$1.25, and \$0.60 per packet. Collections (Superfine) 6 vars. \$3.00; 12 vars. \$6.00. Collections (Standard) 6 vars. \$1.25; 12 vars. \$2.50.

**BLACKMORE & LANGDON**  
BATH ENGLAND

### HUGHES ROSES

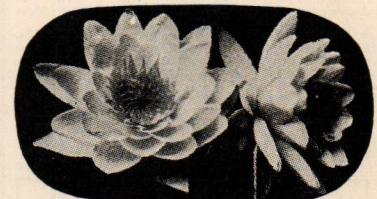
Insure your own success by planting our northern grown *Roses* as their hardiness is assured.

Our extra heavy plants will give you the effect of a well established *Rose* garden.

Nowhere can you buy stronger plants

Illustrated Catalog showing many varieties in color is free if you contemplate planting *Roses* and mention *The American Home*.

**ROBERT EVANS HUGHES**  
Rose Specialist  
Main Road, Williamsville, N. Y. Near Buffalo



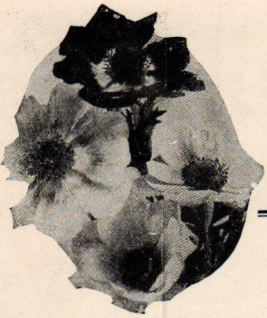
## WATER LILIES

New interest and beauty in your garden with a fascinating *Water Lily Pool*. Gorgeous colors, exquisite fragrance, the easiest part of the garden to care for with plenty of flowers in a short time after planting. Plan it now! **Complete Water Garden Postpaid \$3. Plant California Water Lilies for their hardiness. Safe delivery guaranteed.**

Illustrated Booklet **FREE**, 40 pages of *Water Lily* lore. Tells how to make a *Water Garden*; care of *Water Lilies*. Many natural color pictures. Send for your Free copy now

**JOHNSON WATER GARDENS**  
Box A-3 Since 1876 Hynes, California





## French Poppy ANEMONES!

A great variety of these marvelous poppy-like flowers in wonderful color combinations. Blues with white bases; Pinks with blue bases; Cream and Apricot shades in endless profusion. Truly a gem of the first water! Plant bulbs in May, 3 inches deep.

25 bulbs \$3.00 50 bulbs \$5.50  
100 bulbs \$10.00

## 100 GLORIOUS GLADIOLI \$3.50

Choicest Mixture—Including all the latest and most beautiful varieties such as the lovely Primulins or Orchid Gladiol, running a gamut of subtle pastel shades from ivory yellow to an iridescent bronze such as mark the finest nasturtium collections. Start planting April 25th and every 3 weeks thereafter to July 15th and enjoy a long procession of beautiful bloom.

A \$7.00 Value for only \$3.50 or 50 Bulbs for \$2.00.

Book for Garden Lovers—35c a copy

## Schling's Seeds

Max Schling Seedsmen, Inc.  
Madison Ave. at 58th St., New York City

## Succeeding with succession

Continued from page 327

varieties in small patches is not desirable either.

The garden plan shown on page 327 is worked out in sections. The length of fifty feet is divided into five ten-foot divisions and the ten-foot width makes these sections square. It is not thought that the plantings as suggested are perfect, but they are a basis for a start. In the fifty-foot borders as planned a wide variety of perennials and bulbs is used. These, of course, must be supplemented by liberal plantings of annuals, particularly among the varieties which bloom during the early part of the year. If no succession plantings are made around and among these early blooming spaces there will be large blank areas through the latter half of the year. Two of the most important perennials blooming during the first half of the year are Peonies and Iris. They both occupy rather large areas but there are numerous annuals which may be planted among them. Tall African Marigolds make excellent masses when blooming above Peonies, and giant Zinnias do well between clumps of Iris. Annual Larkspur, Salpiglossis, Nicotiana, Petunia, Verbena, and a host of others may be used liberally all through the borders.

Succession of bloom and mass color effects demand rather close planting. This requires careful soil preparation and adequate food supplies. Crowded plantings are all right with intelligent care, but if neglected they quickly become un-

sightly. Some things will stand closer planting than others. Vigorous perennials like Hollyhocks will smother out their less sturdy neighbors if planted too close. Chrysanthemums will struggle up between other things where there seems to be but little room, though they do a lot better if not much crowded. Lilies seem to enjoy being planted almost under other things as many, like the wonderful Regal, may be planted eight to ten inches deep.

In the plan the lightly ruled squares indicate feet, thus showing the approximate size of spaces and plant groups. Smaller groups may be used in limited areas. These plant arrangements explain themselves, the shape and relationship of the various spaces showing how they drift into each other. The entire border is strictly informal with no rows or balanced groupings. No two of the ten-foot square areas are alike, though there is a certain similarity. Sixteen different varieties of Peony are used and twenty-seven clumps of Iris.

The numbers in the plan indicate approximately the month of blooming. This will vary in different sections of the country. The ten-foot square spaces may be adapted to eight by twelve or seven by fourteen.

Planning for succession of bloom is a question of choosing, from the vast stocks available, those which will keep the display of color as nearly constant as possible. Let us examine one section of this border, say the middle one in the upper

## Destroy injurious insect pests

with WILSON'S O. K. PLANT SPRAY, for over a quarter of a century the nationally recognized standard insecticide. Harmless to humans, clean and easy to apply. Recommended by officers and members of the Garden Club of America.



Wilson's O. K. Plant Spray is sold by leading stores everywhere and the genuine may be identified by the famous Trade Mark. Write us, if your dealer cannot supply your requirements.

### Wilson's Awinc Pyrethrum Spray

Non-poisonous, highly concentrated PYRETHRUM spray. Easily controls more resistant type of insect such as MEXICAN BEAN BEETLE, Japanese Beetle, Red Spider, Rose Chafer, Cabbage Worm, White Fly, etc. Complete, requiring only a dilution with water. Gallon \$10.

### Wilson's Scale-O

Now is the time to use Wilson's Scale-O . . . the powerful dormant spray so necessary to the successful growth of fruit and other trees. Scale-O kills Scale insects and eggs—even in Winter. Mixes readily in cold water . . . covers very rapidly and evenly. 1 Gallon, \$2.00; 5 Gallons, \$9.00.

"Insects and Their Control" by Andrew Wilson, 383 Pages. 188 Illustrations, \$2.50 Postpaid.

## Andrew Wilson

Dept. A3  
SPRINGFIELD, NEW JERSEY  
OHIO BRANCH: 710 E. 113th St., Cleveland  
FLORIDA BRANCH: 614 56th St., West Palm Beach  
CALIFORNIA BRANCH: 245 N. Fries Ave., Wilmington

### Amazing New Catalog



#### FREE TO ALL. WRITE FOR YOURS NOW.

Tells you how to make money, how to plant and to beautify your home grounds at LOW COST. Rhododendrons, Evergreens, Roses, flowering shrubs, shade & fruit trees, small fruits. Strawberry plants by the million. Complete assortment for small homes or large commercial planter. Satisfaction guaranteed. This amazing new catalog is truly a directory that you will often consult.

BOUNTIFUL RIDGE NURSERIES, BOX F, PRINCESS ANNE, MD.  
For results order from "Bountiful Ridge."



50 PANSIES, ruffled-flowering mixture, beautiful markings (in bud) . . . . . 85c  
50 DAISY, English double, white, pink, red 85c

Order Now for Spring Delivery

VIOLAS OR TUFTED PANSIES—all colors, Cor-nuta, odorata (in bud) 50 plants . . . . . 85c  
Japanese Barberry, 10 to 15 in. \$4.00 per 100; 18-24 in., very bushy, \$6.00 per 100.  
2 Japanese Red Leaved Maple . . . . . 85c  
FLOWERING SHRUBS, 2 ft. high, Weigela Rosea, Bridal Wreath, Golden Bell, Fride of Rochester, Althea, Rose of Sharon, Hardy Hydrangeas, White and Pink, 4 shrubs . . . . . 85c  
Delphiniums, Dark blue, light blue, 8 plants, blooming age . . . . . 85c  
Oriental Poppies, brilliant colors, flowers 8 in. across, 10 plants, blooming age . . . . . 85c  
FOXGLOVES, assorted colors, 10 plants . . . . . 85c  
PHLOX—Large-flowering, Perennial Phlox. Diversified and brilliant colors, 8 plants . . . . . 85c

Hardy Perennials, Live Forever. These Plants Are Two Years Old, Blooming Age. Each . . . 5c

Columbine, all colors; Double Hollyhocks, beautiful colors; Shasta Daisies, Yellow Daisies; Hardy Carnations, 6 colors; Painted Daisies, Gaillardias, Sweet Williams, Forget-me-not, Physalis (Chinese Lantern Plant).  
— Order Must Amount to \$1.10 or More —

COLORADO BLUE SPRUCE, 5 years old, two trees . . . . . 85c

### 10 EVERGREENS for 85c

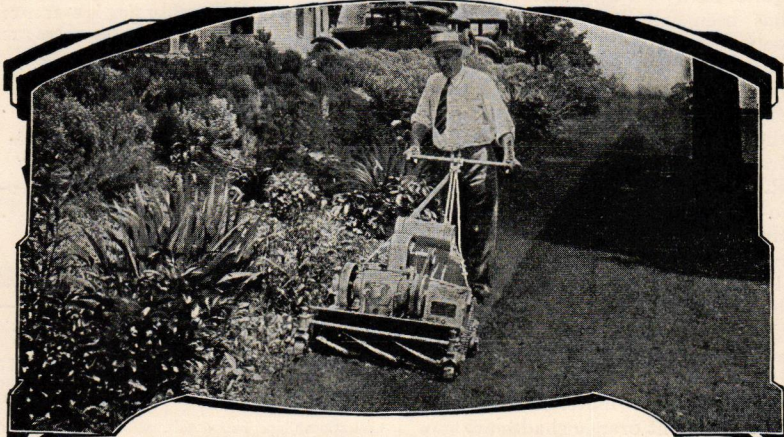
Three to five year old trees, 12 to 15 inches high. 4 Sitka Spruce, 2 Norway Spruce, 2 Chinese Arborvitae, 2 Biota Pyramid. Per 100 . . . . . \$6.00

Field-Crown Stock, 250 Acres

BARGAIN PRICE LIST FREE on Rock Garden Plants, Rock Garden Evergreens and Shrubs.

The FISCHER NURSERIES  
Evergreen Dept. 48 EASTON, PA.  
Add 25c for Packing

# COLDWELL



Above: Coldwell "Twin-Thirty" motor lawn mower and roller. Mows and rolls simultaneously 6 to 8 acres a day on one gallon of gasoline.

## Coldwell Dependable Power Lawn Mowers and Rollers

CONSIDER this DEPENDABLE equipment NOW for a more beautiful lawn this summer.

The 1932 Coldwell models present many striking improvements. Smooth running twin-cylinder motors provide increased power, less vibration and less noise. Improved governed speed control affords greater flexibility and ease of operation.

Details of other improved features in these 1932 DEPENDABLE COLDWELLS together with name of Authorized Coldwell Sales and Service Station nearest you, sent on request.

COLDWELL LAWN MOWER COMPANY, NEWBURGH, N. Y., U. S. A.  
In Canada—Taylor-Forbes Co., Ltd., Guelph  
Manufacturers of DEPENDABLE Lawn Mowers—Hand, Horse, Gasoline, Electric

## Blueberries

Larger Than a Wedding Ring

Selected and bred for large, delicious, crispy, smooth berries, and vigorous, productive, beautiful bushes. Strong, healthy plants, true to name—Aristocrats for your garden.

Whitesbog Blueberry Nurseries  
Joseph J. White, Inc.  
WHITESBOG, NEW JERSEY

## SEND FOR KUNDERD'S FREE GLADIOLUS CATALOG



THEN HAVE IN YOUR GARDEN THE FINEST GLADIOLI IN THE WORLD. This magnificent book of 100 pages, beautifully illustrated, makes it possible to have bulbs free from disease and insect pests. Kunderd's NEW LOW PRICES set a new standard of value even in a low price year. Get this FREE BOOK filled with surprises and SENSATIONAL GLADIOLUS COLLECTIONS NEVER OFFERED BEFORE. Kunderd is the originator of the Ruffled and Lacinated Gladioli.

A. E. KUNDERD, 102 Lincoln Way West, Goshen, Ind. Please send me the FREE 1932 Kunderd Gladiolus Book.

Name.....  
St. or R. F. D.....  
City.....State.....

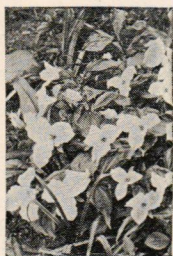


# GILLETT'S

## Bring Woodland Spirit to Your Grounds

We think of the Trilliums and Bloodroot, of the Cowslips and Primroses as the frolicking gnomes of the wild woods—the woods where, as children, we loved to linger and look for hidden surprises.

Retain those charming childhood memories with the help of those very Posies that gave you those early thrills. This nursery specializes in wild flowers and ferns! You can have an honest-to-goodness piece of woodland right in your own yard. You provide the space—we'll populate it for you.



### Best Catalog Ever!

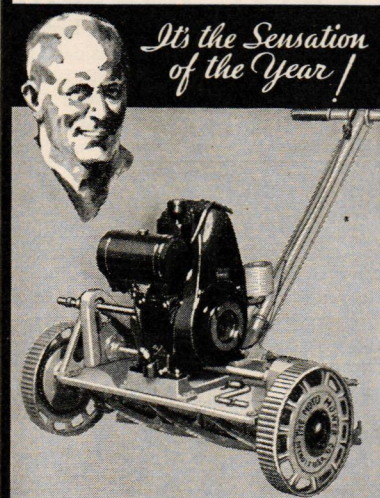
Dedicated to popularizing the naturalistic type of gardening, it is by far the most instructive I have ever issued. Offers scores of ferns for all soils and situations; wild flowers, wild orchids. It tells about bog and water gardens, also rock gardens. For those having spacious grounds, it describes Azaleas, Kalmias, Rhododendrons and other native flowering shrubs.

By all means ask for your free copy of this fascinating plant book today and mention American Home.

Gillett's Fern & Flower Farm  
3 Main Street Southwick, Mass

# GILLETT'S Fern & Flower Farm

## Have you seen the new SUPER-DETROIT?



### The SUPER-DETROIT Moto-Mower

A "Twist of the Wrist" Guides It  
An exclusive, sturdy and powerful new motor—economical, efficient performance—selective automatic speed control—"twist of the wrist" guiding—ability to climb steep grades and make short turns—explain why you should let the brand new SUPER-DETROIT keep YOUR lawn luxuriant with minimum effort. Write today for catalog showing MOTO-MOWERS designed to cut every size of lawn.

The MOTO-MOWER Co.

4604 Woodward Avenue, Detroit, Michigan  
Please send me FREE your 24-page catalog showing the entire MOTO-MOWER line in complete detail.

Name \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_

## Succeeding with succession

border. Early spring will find two gay splashes of color in the front of the border, the Candlestick Tulip (*Tulipa clusiana*), and the Barri type *Narcissus Firebrand*. Following these the Dutch Bulbous Iris open and soon after this the valuable Jersey Gem Viola begins its long season. *Aquilegia*, *Coreopsis*, and the Tall Bearded Iris come soon after this with Peonies, *Dianthus*, and *Delphinium* following.

Summer bloomers in this section include *Hollyhocks*, *Achillea*, *Phlox*, *Aconite*, *Veronica*, and *Henry's Lily*. By this time the inter-planted annuals will start adding their bit to the display and *Coreopsis* and the *Violas* will continue to make goodly masses of color especially if they are sheared back to encourage fresh growth. *Delphinium* should also be cut back as the first bloom fades.

The fall borders will be largely annuals which reach their climax at this time. *Chrysanthemum Capt.* Cook and *Aster Mrs. Raynor* complete the show as far as the perennial planting goes. *Phlox* will continue well into the fall if cut back when the blooms fade. Likewise *Viola* and *Coreopsis* will keep on till frost with another shearing.

In planning this garden special care has been used that colors shall work well together especially with things blooming at the same time. The Iris combinations have been worked out in actual plantings and many other things the same way. Some may think there are varieties mentioned not commonly grown, because you will not find them in every

nursery; but such things may be purchased from specialists and to much better advantage. With Iris for example, there are growers in many sections of the country who list every variety used in this plan. The same applies to Peonies. These quality kinds are not expensive, because they are not in the "novelty" class.

Similarly you may not find in the average nursery catalog all the perennials suggested here. There are, however, large nurseries in many sections of the country who do grow everything listed. Your local nursery will grow more things if there is a demand for them.

As you look over this planting plan doubtless there are numerous things with which you are not familiar. None but a thoroughly experienced gardener can be expected to know all the perennials offered to-day. You should, however, take your catalogues and look up every variety you do not readily recognize. Check up on their color, season of bloom, and height. Also try to learn something about their habit of growth, whether upright, spreading, or prostrate. This information may not be found all in one catalogue as very few lists give complete descriptions. If you want to learn all the essential features, the recently published *Hortus* by Dr. L. H. Bailey will serve. This is a horticultural dictionary of all plants grown in this country and to the real garden enthusiast is well worth the price of ten dollars. The more you can learn about the greatest number of plants the better garden you can produce.

# A Garden Full of Gladioli for \$2.00



The Gladiolus is one of the most satisfactory flowers grown and there is no reason why every family cannot enjoy this beautiful flower—it is of easy culture.

They bloom from July to frost if you plant a few bulbs each month from April to July.

For Two Dollars we will send 50 Bulbs of our Grand Prize Mixture, which covers every conceivable shade in the Gladiolus kingdom.

Each year we sell thousands of these bulbs and have received numerous testimonials as to their merits.

For those desiring Gladioli in separate varieties, so the colors may be studied, we offer a collection of 10 each of 10 varieties separately labeled for \$5.00

Order Your Bulbs Now so as to have them to plant when you begin your garden. Simple cultural directions in each package.

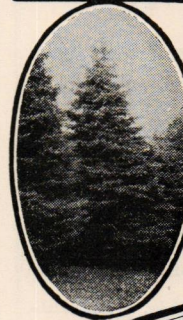
Our Seed Annual for 1932 sent on request.

## Stumpp & Walter Co

Branch Stores:  
White Plains, N. Y.  
Stamford, Conn.

132-138 Church Street  
NEW YORK

Branch Stores:  
Newark, N. J.  
Englewood, N. J.  
Hempstead, L. I.



SEND 25c IN COIN for PACKING POSTAGE, HANDLING. And we will send you FREE 20 Norway Spruce Seedling Evergreens, 4 to 6 in. high. Strong, sturdy little fellows to be cultivated in your garden and with little care, can be developed into big specimen trees that you will be proud to own.

This is a special introductory offer to promote the use of more evergreens for beautifying home grounds.

GREATEST BARGAIN. For those who want to start with developed evergreens we offer 20 fine Norway Spruce 2 to 3 foot trees. Three times transplanted, strong root system, fine bushy tops. 20 for \$5.00 or 50 for \$12.00. Easily worth twice what we ask.

## EVERGREENS SHRUBS FRUITS-FLOWERS ORNAMENTALS

Over 600 Acres of finest Nursery Stock ever grown. Evergreens, shrubs, ornamentals, fruits, flowers sold direct from nursery to user. No selling expense, no traveling expense, no commissions, that's why we are able to save you 50 per cent, give you better quality, stronger, healthier, fresher stock.

# FERRIS BARGAINS

To demonstrate that Ferris values are greatest and direct-from-nursery prices the lowest, we offer our World-Famous Bargains, such as 6 Regal Lilies for \$1.00; or 15 charming Perennials, 6 Columbines, 6 Balloon Flowers and 5 Hardy Pinks for \$1.00; or 4 Everblooming Roses, 2 years, red, white, pink and yellow for \$1.00; or 6 popular Rambler Roses, 6 different varieties for \$1.00; or 20 Shasta Daisies, \$1.00; or 12 Mixed Delphiniums, \$1.00; or 12 Aquilegias, mixed colors, for \$1.00; or 12 Dianthus, Hardy Pinks, for \$1.00; or 10 Snowberry, red or white, for \$1.00; or 4 Golden Elder, 1 yr., for \$1.00.

FRUIT SPECIALS  
15 Concord grapes, 2 years, \$1.00; or 10 Moores Early Grape, 2 years, \$1; or 25 Mastodon Everbearing Strawberries, \$1.00; or 25 Black Raspberries, choice of 2 favorites, \$1.00; or 15 Latham Red Raspberries, \$1; or 15 Eldorado Blackberries, \$1. Choice of any three of the above, \$1.00. Bargains \$2.75. Any six of these Bargains, \$5.00 postpaid.

4 Red-Pink-White-Rose-PEONIES  
Four double flowering extra large varieties in four different colors. Large roots, early blooming. Don't Wait—send for this big bargain in Peonies and get acquainted with Ferris Money Saving \$1 Prices—all 4 Peonies postpaid for



Write for it today  
A valuable planting and growing guide,—how to plant—what to plant—how to care for what you plant. Full of landscape plans and suggestions. Full details of free landscape service to aid home owners in doing their own landscaping plans. Colored pictures of shrubs, plants, fruits, etc.  
EARL FERRIS NURSERY  
945 Bridge Street, Hampton, Iowa

## Buist's Seeds

FOR BETTER GARDENS  
DEPENDABLE FOR 104 YEARS  
Garden Guide and Catalog  
Mailed FREE on Request  
FREE FLOWER SEEDS WITH EVERY ORDER  
ROBERT BUIST COMPANY  
DEPARTMENT T PHILADELPHIA, PA.



## Green Peas!



And lots of them from June to August if you plant this collection EARLY!

Late planted peas are generally a disappointment due to summer heat and lack of moisture for root growth. Plant these Peas all at once as soon as the frost is out of the soil and enjoy these succulent varieties for two long months for they will ripen in the order named. Don't forget to order early and plant early!

- Schling's Pedigree Extra-Early—Height, 2½ feet.
  - Gradus, or Prosperity—Height, 3 feet. Delicious flavor.
  - Sutton's Excelsior—Height, 1½ feet. Very sweet.
  - Dwarf Champion—Height, 2½ feet. Heavy cropper.
  - Improved Telephone—Height, 5 feet. Enormous pods.
  - Heroine—Height 4 feet. The latest to mature.
- ½ lb. each of all 6 varieties, 3 lbs. in all \$1.75  
 1 lb. each of all 6 varieties, 6 lbs. in all 2.75  
 2 lbs. each of all 6 varieties, 12 lbs. in all 5.00  
 (Free delivery within 30 miles of New York; beyond add 5 cents per lb. for postage.)

### Schling's Seeds

MAX SCHLING SEEDSMEN, Inc.  
 Madison Avenue at 58th Street  
 New York City

Book for Garden Lovers—35c. a copy

## Making the new lawn

Continued from page 328

enough topsoil is available, more should be purchased or the soil should be improved with well-rotted manure, compost, or peat moss mixed in. These three materials add humus to the soil and improve the water holding capacity as well as the air and soil-water circulation.

If the soil is a heavy clay, the structure can be further improved by using sand. An inch or two spread over the entire surface and then worked into the top three or four inches will do this nicely.

With the vital matters of physical structure and organic matter disposed of the next consideration is plant food and soil acidity. This is best taken care of by applying a good prepared plant food. The manufacturers furnish instructions as to the correct amount to apply. The quantity to use will vary from ten to forty pounds per 1000 square feet, depending on conditions.

Most soils in eastern United States, through years of cropping and leaching, have become deficient in certain basic elements, and an unbalanced or acid condition has developed. Best lawn results are not obtained unless this acidity is corrected. This is easily done by applying some form of lime. Because it is obtainable at garden supply and building material stores, hydrated lime is usually used. This form of lime is very finely divided, and it neutralizes the soil acids quickly. Lime is also of value in making heavy clay soils looser and more friable.

Before the lime is applied it would

be best to ascertain whether or not it is needed. This can be done by testing a small, representative sample of the soil with any one of several inexpensive soil testing kits for sale at most garden supply stores.

It may be well to emphasize that lime does not take the place of the plant food nor can plant food take the place of lime. Each material has an important and quite different duty to perform. A period of from one to two weeks should elapse between the applications of these two materials. Never distribute together nor at the same time.

It is quite probable that some reader will hesitate to accept the foregoing statements on lime. For the past several years many writers on this subject have been very positive in condemning this material for use on lawns and reliance on acid soil grasses or land where lime deficiency prevailed has been over emphasized. Recent research, however, has disclosed the fact that the most liked lawn grasses (especially Kentucky Bluegrass and White Clover) grow best when the soil is about neutral or, at most, only slightly acid. Several eminent turf authorities could be quoted in support of this statement.

Experiments show that thick sowing of seed tends to keep the weeds in check. Use three to four pounds for each 1000 square feet of area. Divide the seed into two parts and sow two ways—one at right angles to the other—for an even distribution. After sowing give the surface



First quality plants, trademarked with cell-oid star label, guaranteed to bloom or money refunded.

For \$1.00 Postage Prepaid

we will send you all four of the items listed below—a full \$2.50 value.

1. ★ Joyous Cavalier H. T., a glowing Red Star Rose. Price \$1.25.
  2. ★ Director Rubio H. T. Immense blooms of cochineal pink. \$1.25.
  3. Latest issue of "Rose News" filled with facts, fancies and valuable information about new roses.
  4. "Star Guide to Good Roses" for 1932 describes and pictures nearly 200 of the most dependable roses, 62 illustrated in natural colors.
- "Star Guide" and "Rose News" sent promptly—Roses at planting time. Send \$1.00 at once while this offer lasts.

**GUARANTEED TO BLOOM**

THE CONARD-PYLE CO.  
 Robert Pyle, Pres.  
 Rose Specialists for 35 years  
 West Grove 252 Penna.

## KINKADE GARDEN TRACTOR

and Power Lawnmower

A Practical, Proven Power Cultivator and Lawnmower for Gardeners, Florists, Nurserymen, Fruit Growers, Truckers, Country Estates, Small Farms, Suburbanites and Poultrymen.

Low Prices—Easy Terms

AMERICAN FARM MACHINE CO.  
 1091 33rd Ave., S. E. Minneapolis, Minn.

## 8 EVERGREENS SPECIAL for \$1.80

A Wonderful Collection of 6- to 7-year-old trees, 1 to 1½ ft.

- 2 Mugho Pine (Dwarf)
- 2 American Pyramidal Arborvitae
- 2 Silver Fir, 2 Canadian Hemlock

### Colorado Blue Spruce

8-year-old Trees, Sheared.....\$1.50  
 7- to 8-year Trees, each.....\$1.25

All trees selected

Rhododendrons—Flowering Evergreen.  
 Pink, Red & Purple.....\$3 for \$1.25  
 1 to 1½ feet stock, well rooted

### Cedrus Deodora Himalayan God-Tree

World's most beautiful evergreen. Sparkling Blue Foliage. Heavy trees. 2 feet. This month only! Each \$1.80

- 2 Nikko True-blue Hardy Hydrangeas.....\$1.10
- 12 Hybrid Oriental Poppies.....\$1.20
- 6 Red Delphinium, Cardinals.....\$1.20
- 12 Hardy Blue Salvia, Azures.....\$1.20
- 8 Japanese Exhibition Chrysanthemums  
 Pink, Lavender, Bronze, Yellow and White, 6- to 8-inch wide blooms.....\$1.20
- 12 Assorted Perennials for Border.....\$1.20
- 12 Assorted Perennials for Cutting.....\$1.20
- 12 Assorted Perennials for Rockery.....\$1.20
- 4 Assorted Rockery Evergreens.....\$1.20

Add 25c for Packing and Postage

FREE Any \$1.20 Collection listed FREE with any \$5 order. Special for this month only.

NEW MARKET PERENNIAL GARDENS  
 86 Randolph Road, New Market, N. J.

## Springtime Specials

Choicest, Highest Grade Collections from the oldest mail seed house in America—to win more new friends for 1932. Order Today!

- Enchanting Giant Sweet Peas. 8 Pkts., 8 separate varieties (reg. \$1.10).....50c
- Gorgeous Tall Snapdragons 6 Pkts., 6 separate varieties (reg. \$1.00).....50c
- Famous Rochester Asters 6 Pkts., 6 separate varieties (reg. \$1.40).....\$1.00
- Giant Decorative Dahlias. 6 Roots, 6 named varieties, separately labeled (regularly over \$4).....\$1.95
- Vicks Glorious Gladiolus. 100 Giant Bulbs, 10 separate named varieties 10 of each (reg. over \$8).....\$4.25

JUST a few of the many unusual values in Vicks 1932 Garden and Floral Guide. Your money back if not more than pleased. Extra gift free with every order. The book is free. Write today!

JAMES VICK  
 105 Pleasant St., Rochester, N. Y.

## VICKS in the Flower City

Write for this Free Book

THE WHITTEN-ACKERMAN NURSERIES  
 Box 76 Bridgman, Michigan

## Wholesale Prices

6 JAPANESE BARBERRY 1 yr. hedging grade. 25c	1 NORWAY SPRUCE Twice transplanted, 12 in. high. Nice bushy trees. 25c	12 Concord Grape 1 yr. vines, well rooted, good to ps. Best all-round grape. 50c	25 Cumbria Black Rasp. Plants. Best all purpose Black Cap. 75c
4 PEACH each 50 Hiron, Elberta, J. H. Hale and Rocher. Well caliper, ed. 4-5 ft. trees. \$1	75 BLAKE-MORE STRAWBERRY PLANTS New high priced variety. 15-24 in. \$1	100 Strawberry 25 ea. Dr. Burdill, Sen. Dunlap, Premier, and 25 improved Money Maker Strawberry plants. \$1	50 Red Raspberries 25 each Victory, Cuthbert, both standard kinds, only \$1
12 SPIREA Van Houttei Strong, well branched, 2 yr. ed. 2-3 in. Buses \$1	55 Assorted Choice Gladiolus Large flowering sized bulb. (Not Bulb-lets) \$1	4 Silver Maple 5 to 6 ft. trees, well branched, 4 for only \$1	50 Berry Plants Mastodon The World's Biggest Everbearing Strawberry \$1

Above rates postpaid in U. S. Our new free catalog lists a complete line of Nursery Stock at Wholesale Prices Direct to Planter. Write. FREE NURSERY STOCK: Send the names of six neighbors that buy Nursery Stock and we will mail coupon entitling you to additional Nursery Stock free with your first order.

## DRICONURE

Dehydrated Cow Manure and PEAT MOSS

### Finest All-purpose Fertilizer plus Humus

the most for your money, best for your plants

Nature's own method of fertilizing and it can't be beat. Sold in BIG 3½ bushel bags, finely ground peat moss-cow manure bedding, dehydrated, then processed to give you many, many times more food value than common barnyard manure. No weed seeds. Won't burn. At all good dealers. Let us tell you more about Driconure. Write.

ATKINS & DURBROW, INC. 165-B John St., NEW YORK, N.Y.

## Imperial Delphiniums

In 1931 Imperial seedlings won four first prizes in two New York Flower Shows against keenest competition. In Dover, Ohio, Imperial seedlings created a real sensation, attaining a height of 9 feet with tremendous flowers. Marvelous new creations including old rose color, are represented in our 1932 offering of seeds and plants mostly doubles. Pkt. (400 seed) \$2; 1-year plants \$3 per doz.; \$18 per hundred. Small seedlings \$5 per hundred. Selected specimens \$1. Special offer to March 10. 1 doz. 1-year plants, 40 small plants, 1 pkt. seed for \$5. Seeds and plants guaranteed anywhere. Mention American Home.

E. E. HEALEY, Exclusive Grower, Puyallup, Washington

## NANCY REDFERN

another Roll of Honor Dahlia by Redfern, originator of the world famous dahlias

BARBARA REDFERN, JENNY LIND, BAGDAD

Write today for free illustrated catalog

CURTIS REDFERN  
 Lincoln Manor San Francisco, California

## An Iris Lovers' Catalog

The world's most complete, interesting and informing treatise on the modern Iris.

A copy to every Iris lover for the asking

SCHREINER'S IRIS GARDENS  
 Box 201, Riverview Station, St. Paul, Minn.

write today for details of easy, profitable work from own home. No obligation.

CHESTER BANTON  
 % The American Home, Garden City, N. Y.

## 75 Varieties of Beautiful WATER LILIES

Send for Our Free, Completely ILLUSTRATED CATALOG

Plant WATER LILIES this Spring for lovely, fragrant blooms this Summer. 75 rare and beautiful varieties to choose from—rich colors—easy to grow. Ours are the largest Aquatic Gardens in America. Every root guaranteed. Write for our free, illustrated Catalog TODAY.

The W. B. SHAW  
 Aquatic Gardens  
 Dept. C Kenilworth, Washington, D. C.



### Making the new lawn

a light raking to just cover the seed. Use only pure, high quality seed.

Kentucky Bluegrass is unexcelled for lawns. It may be a little slow in getting a start but once established it reigns supreme as a permanent lawn grass. To act as a nurse-crop for the Bluegrass some Redtop is used in the mixture. This gives the lawn a green appearance quickly, and by virtue of its rapid growth, tends to keep weeds from starting. The use of White Clover is a matter of personal choice. One very important reason for incorporating it in the mixture is its ability to enrich the soil with nitrogen. Nitrogen is essential to grasses. A mixture which has met with the approval of many is made up of four to eight parts Kentucky Bluegrass, two parts Redtop and one half part White Clover. If the lawn is shaded, two to three parts of Red Fescue can be substituted for an equal amount of the Bluegrass. Most seedsmen have satisfactory mixtures already prepared however for open and for shaded lawns, and generally the home gardener will do best to rely on such.

The foregoing mixtures will be found quite satisfactory over about three fourths of the United States. However, in the South, Bermuda-grass is commonly used. Nothing has yet been found to take its place, although Carpet-grass and Centipede-grass are also satisfactorily used in some localities.

Lawns seeded in the spring of the year must have careful attention to all the little details because at that time both grass and weeds get an

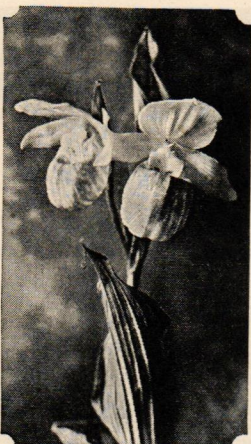
equal start. In the northern half of the United States it is better to sow the seed in the fall. This gives the grass a chance to get started without serious competition from weeds. In the southern states spring seeding has been found to be the better time.

Once established, the proper maintenance of a lawn is neither difficult nor expensive. An annual, early-spring application of a complete prepared plant food plus one or two summer applications will keep the grass growing thriftily; a ready prepared "complete" plant food is far less trouble to use than attempting to mix separate ingredients yourself. Water immediately after applying as otherwise the grass may be injured by burning. To prevent the soil from becoming too acid, give a moderate application of lime (fifty pounds per 1000 square feet) once every three to five years, either in early spring or late fall.

During periods of insufficient rainfall sprinkle the lawn once or twice a week, and remember that thorough soaking encourages deep root development and is preferred to light sprinklings.

In the spring of the year roll the lawn once—this firms the turf and keeps the surface smooth. Rolling should not be done when the soil is very moist or too much compaction may result.

Weeds are not apt to be a serious problem if the lawn is started on good soil with weed-free seed and kept supplied with a complete plant food.



### SPECIAL OFFER — WILD FLOWERS and FERNS

For years, we have been selecting the loveliest of North American wildflowers from all sections of the country. Here is a SPECIAL OFFER of a large and exquisite collection at an extremely modest price. These hardy plants will thrive and multiply in your garden, affording new beauty and joy every year.

- 12 **ASCLEPIAS TUBEROSA** (Butterflyweed). Gorgeous orange-red flowers, for open sunny location. July..... **\$2.00**
  - 6 **CYPRIPEDIUM ACAULE** (Pink Lady's Slipper). The pink lady's slipper supplies color for the pine woods of New England. This largest flowered lady's slipper will grow also in hardwood shade and sometimes in open sun, if the soil is acid. Its blossoms in May..... **1.00**
  - 12 **DALIBARDA REPENS**. A splendid little plant of the rich hardwoods. The leaves are evergreen and the white Hepatic-like blossoms are borne on 2 to 3 in. stems..... **2.50**
  - 12 **DODECATHEON MEDIA** (Shootingstar). This is a delightful contribution from the Central West. The blossoms vary from white to purple. Shootingstar likes the full sun or open woods..... **1.50**
  - 12 **IRIS CRISTATA** (Crested Iris). Sky blue flowers on 4 in. stems. This is a fine plant for rock gardens and grows in either sun or shade..... **2.00**
  - 12 **LIATRIS SPICATA** (Spike Gayfeather). This Gayfeather is best known for the beauty of its spikes which are deep rose and attain a height of 2½ feet..... **2.00**
  - 12 **MYOSOTIS SCORPIOIDES** (True Forget-me-not). Of all plants for the brookside planting, none is more daintily attractive than the True Forget-me-not. It blossoms throughout the Summer..... **1.75**
- 78 plants, regular price..... **\$12.75**  
 For \$10.00, we will send you the entire collection of 78 plants, or one-half the collection, 39 plants in all, for \$5.50. Our new catalog of Trees, Evergreens, Shrubs, Roses, Vines and Perennials for 1932 will be sent at your request.

GEORGE D. AIKEN  
 Box V 3 Putney, Vermont  
 "Grown in Vermont, it's Hardy"

## Shumway's Good Seeds

**Sure Producers of Quality Vegetables and Flowers**

Tested, new crop seeds, grown from finest selected stocks—sure vigorous producers. For 62 years Shumway's Seeds have sold at very reasonable prices and have always given the desired results. Extra packages sent free for trial with each seed order.

**FREE**—Write today for large illustrated catalog of vegetables and flowers.

**R. H. SHUMWAY**  
 162 South First St. Rockford, Ill.

## 100 EVERGREEN TREES \$3.—

100 of any variety or 25 of each kind **\$3.00**

- American Arborvitae - - 6-12 inches
- Red Pine - - - - - 8-15 inches
- Norway Spruce - - - - 5-12 inches
- White Spruce - - - - 5-10 inches

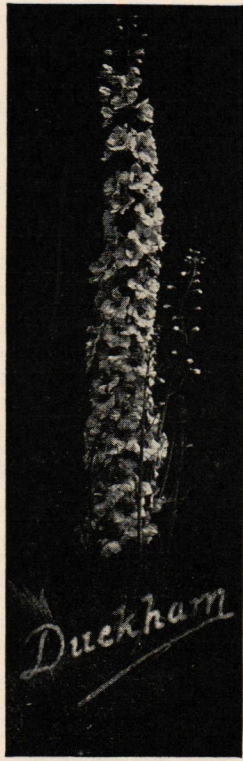
Hardy, Maine grown Evergreens that will make your home surroundings more beautiful than ever. Four year transplanted and well rooted. Will thrive anywhere and grow rapidly.

Average weight 12 lbs. per 100. No order less than 100 at this price; remit with order. Trees sent at proper time for planting. Send for folder on blue spruce and other beautiful varieties.

**WESTERN MAINE FOREST NURSERY**  
 Dept. AH-32 Fryeburg, Maine

## New. Unusual. Fascinating

In good times, as well as in bad, there is an inherent desire in man to get outdoors in springtime—to dig and plant those things that will add cheerfulness and beauty to his home.



Practice economy with maximum satisfaction. Buy Hardy Plants, not only for bloom, but because each year they increase in size and flower production.

New and unusual types, exclusively my own introduction, are my specialty, of which Delphiniums have taken an unquestionable leadership. They have won innumerable first prizes and gold medals. So let your first choice be:

## DELPHINIUMS

By Duckham

with which you can use, in appropriate companionship, other

## Rare Hardy Perennials and Everblooming Garden Roses

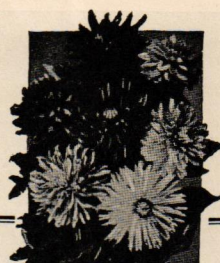
These will provide gay garden colors from June till frost.

Selection from my catalogue is simplified, for I have already done the choosing for you, by offering only the most dependable sorts, in a complete color range, selected in my field trials upon their good qualities.

*My latest catalogue, illustrated in colors, one of the leading of its kind in the country, mailed free upon request.*

**WILLIAM C. DUCKHAM**  
 Rose and Hardy Plant Specialist

**MADISON (Box G) NEW JERSEY**



## 12 Exhibition DAHLIAS!

at 1/4 their catalog value

Unquestionably the greatest Dahlia value in years! By special arrangement with an over-stocked grower we were able to purchase 12 prize varieties at less than 25 cents on the dollar and hasten to pass on these remarkable savings to you. If you or anyone of your friends is a Dahlia enthusiast we advise immediate orders as naturally the supply at this price is limited.

- On strong roots. Note the varieties listed below—
- Bashful Giant,—Apricot
  - Cape Henlopen Light,—Cream-yellow
  - Eather Dean Browning,—Pink
  - Jersey Beacon Ball,—Scarlet
  - Jersey's Fiances,—Rose-pink
  - Margaret Woodrow Wilson,—White and pink
  - Marie,—Bright pink
  - Mrs. I. de Ver Warner,—Mauve-pink
  - Pink Dick,—Silver-pink
  - Sannican's Peach,—Golden bronze
  - Sunset Glow,—Autumn shade
  - Velvet Ball,—Dark velvet

Regular Catalog prices total \$23.50  
 Here offered for first time at **\$5.00**

**Schling's Seeds**

Max Schling Seedsmen, Inc.  
 Madison Ave. at 58th St., New York City  
 Book for Garden Lovers—35¢ a copy



## PLANT a TREE for Washington!

Join in the nation-wide movement to "plant a tree for Washington". This to commemorate the Bi-Centennial Celebration of the birth of George Washington.

The best way to make certain that your tree will grow and give the effect you desire is to write or consult a nurseryman or his representative. He will be glad to assist you.

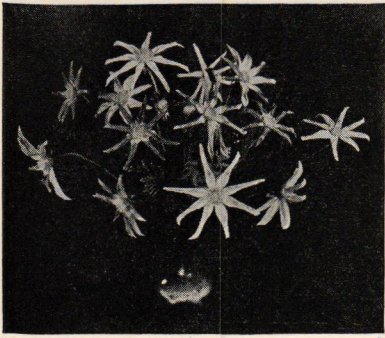
**Accept This Gift**  
 A book, "How To Plant The Home Grounds," sent FREE. Another book, "How To Make An Outdoor Living Room," sent for 10c.

**NATIONAL HOME PLANTING BUREAU**  
 832 Union Bank Bldg., Davenport, Ia.

Gentlemen: Please send booklets checked below:  
 Send 10c.  "How To Make An Outdoor Living Room."  
 Free  "How To Plant The Home Grounds."

Name.....  
 Address.....





## Art in DAHLIAS

GRACE, poise, daintiness—all personified in these Orchid Flowering Dahlias. The flower lover's solution to meet every artistic demand. Though but recently introduced in this country, the lovely Orchid Flowering Dahlia already has a legion of friends.

Dahliadel is happy to offer to the gardening world eight varieties in a great range of both soft and bright colors, each selected for its own personality. Their inexpensiveness is still another asset in their favor.

Our 1932 Catalogue lists and describes these newcomers with prices, and includes most every other type of dahlia worthy of your time.

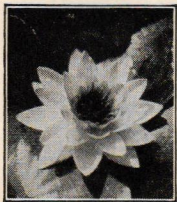
A Free copy awaits your pleasure

**DAHLIADEL NURSERIES**  
W. W. MAYTROT  
Box A. Vineland, N. J.

## NEW ASTERS and ZINNIAS

Our new Aristocrat Asters bear flowers 8 inches in diameter, on stems that are 20-35 inches long. Chrysanthemum type. Aristocrat Zinnias are borne on 15 to 20 inch stems, blooms of tremendous size and of every known color. Each in mixed colors, 50c per packet. Special 1 pkt. of each of above, also delphinium double cosmos, marigold, per. lupines, stocks, carnations, Cal. poppy and larkspur, (all special stock, \$3. value) for \$1.35. Sample seeds and booklet, "How to Grow Flowers," 10c. Mention American Home.

Healey's Specialty Seeds, Box 833, San Francisco



## Gorgeous WATER LILIES

Ornamental Fishes and Aquatic Plants

Our 1932 illustrated water lily booklet lists all the rare and beautiful varieties from which to choose the plants and fish for your own lily pool. It contains instructions for making a water garden, and complete cultural directions. Tells how to make an attractive tub garden. Write today for your free copy.

## The WALTER A. TUCKER Co.

Aquarists and Water Gardeners  
1593 Manchester Avenue Columbus, Ohio

"No library complete without Kipling complete"



Insure success with your garden. New collections at money saving prices—357 new varieties of annuals, perennials, roses, shrubs, seeds, bulbs, 56 years as "Garden Headquarters" means the highest quality at lowest cost.

## 1932 Catalog FREE

with Valuable Rebate Coupon Complete 148 page catalog. Richly illustrated—155 varieties shown in their actual colors. Gives planting and cultural directions and help in flower and vegetable gardens, and on landscaping subjects. Get your copy now and Free Rebate Coupon good for 25c on your purchase of \$2.00 or more. Write today.

THE TEMPLIN BRADLEY COMPANY  
5771 Detroit Avenue Cleveland, Ohio

## Dividends from digging

Continued from page 331

clayey soils a spading fork is to be preferred; and you cannot dig with a shovel. Remember that. Whether spade or fork be used, let it be of the best procurable type, not unduly heavy. In use thrust the spade into the ground with the foot in such fashion that the blade makes a slight angle with the vertical.

At least three modes of digging are in use, known respectively as single digging, double digging, and trenching. The first consists of turning over the soil to a depth of a single "spit" or spade's-depth, and is the most commonly practised method. The second involves turning over the soil to a depth of two spits and leaving the layers in the same relative positions. This mode of operation has much to recommend it, and should be practised wherever the topsoil is shallow and overlying an unimproved subsoil. Trenching is seldom done except when the highest quality of exhibition produce is required, for the labor expended in trenching a piece of ground is of necessity considerable. Trenching requires the soil to be moved to a depth of three full spits, the layers of soil either being left in their original positions or the two top layers reversed.

The mode of procedure when single digging is as follows: A trench one foot wide and of a full spade's-depth is taken out at the commencement of the job, the soil removed being placed where the finish will be. In a narrow piece of ground this will be

at the opposite end, but when the piece to be dug is comparatively wide it is often advisable to divide it in half, working down one portion and back along the other. Then the strip of soil alongside the trench is turned over with the spade and placed top-side downwards in the trench. In this way a new trench is formed, and the next strip of soil is turned into it and so on until the finish is reached, when the soil removed from the first trench is used to fill in the last. It is important that the surface be kept as level as possible. Should the trench become noticeably bigger during the operation it is certain that the digging is getting low, while a narrowing trench indicates a reverse state of affairs. Manure and fertilizer may either be spread upon the ground and turned under as the work proceeds, or may be placed in each separate trench. All weeds and surface vegetation should be skimmed off and buried in the bottom of the trench, with the exception of any diseased material which should be burned.

For double digging a trench is taken out and the soil placed at the finish exactly as advised for single digging, but in this case the trench is to be thirty inches wide and a full spit deep. The bottom of this trench is then dug over deeply, incorporating therewith at the same time a liberal amount of manure, leaf mold, humus, or decayed material off the compost heap such

## The works of KIPLING never gather dust!

Children beg to hear Just So Stories and Jungle tales; time and again boys devour Captains Courageous and Soldiers Three; their delighted elders revel in his poems; short stories or novels.

Have they a cherished and conspicuous place in your library?

Doubleday, Doran & Company, Inc.

## Exceptional Plant Values

- 12 Everblooming Roses, 2 yr. Guaranteed to bloom the first year, each different, labeled ..... \$4.75
- 4 Blue Spruce, 2 yr. twice transplanted ..... 1.00
- 115 Choice giant flowering Gladiolus ..... 1.00
- 12 Choice Phlox, each different ..... 1.00
- 31 Iris, at least 15 varieties ..... 1.00
- 50 Named Iris, each different ..... 2.00
- 15 Hardy Chrysanthemums, large flowering ..... 1.00
- 60 Swiss Giant Pansy Plants ..... 1.00
- Entire Collection, Value \$12.75 ..... \$10.00

Riverside Gardens 414 Riverside Drive St. Louis, MICHIGAN

## GLADIOLUS AT NEW THRIFT PRICES

50 bulbs 1 inch and larger for \$1.00. These will produce an abundance of bloom and a well balanced mixture of colors. Send for my new illustrated book describing over 200 varieties. It is FREE!

NATHAN VAN DE CAR  
128 Strong Ave. Syracuse, N. Y.

## Bird House \$1

—designed by leading naturalist to attract song birds. Scientifically built of rustic cedar, no imitation board used. \$1.00 postpaid. Regular price \$1.45. Catalog of famous Lincraft Garden Furniture, sent free to every buyer. Send one dollar today on money back guarantee.

New Jersey Fence Co.  
105 Logan Ave., Burlington, N. J.

## NEW READY-MADE Strawberry Gardens

The "latest" in gardening. Complete, including: (1) Long Life Mulch Paper—keeps soil moist, warm, kills weeds; (2) Special fertilizer; makes berries very large; (3) Grade 1, Super-Mastodon Plants; bear in 60 days; bear all summer, fall, 3 years, one planting. No special soil or care. 1932 Year Book Small Fruits, Free. Write Keith Bros. Nursery, Box 50, Sawyer, Mich.

## ORCHIDS

Grow Orchids in your HOME in our "HOME MINIATURE GREENHOUSE." Write for descriptive circular and Orchid collection suggestions.

LAGER & HURRELL  
Summit New Jersey

WANTED: Representative in each town for new easy selling proposition to home-makers. Generous commissions, bonuses, and sales helps supplied. Especially attractive offer to club or civic workers. Apply Box 30 % The American Home, Garden City, N. Y.

## Mite Trap for Canary's Cage

Keeps Bird Healthy. Traps and destroys all bird mites, keeping songster in healthy singing condition. Indispensable—permanent. 50c complete, prepaid. Pat. Pend. C. H. MORLEY Patchogue, N. Y.

## Dahlia Plants of Quality

The following 5 Prize Winners for \$10.00  
Asbury Park Dwight W. Morrow  
Bagdad Kemp's Monmouth Champion  
Mrs. A. B. Seal

Ask for full list of other varieties.  
A. Mueller Dahlia Gardens  
P. O. Box 72 Passaic, N. J.

# CACTUS

## In Your Garden

... Cactus is not only an indoor plant. Some of its types can be made very happy in your garden. You will enjoy growing these fantastic plants,—and it's quite the smart thing to do, too. Anderson McCully has written an article for the March issue of the Gardeners' Chronicle, that will help you make the proper selection. It is brimful of practical information about the habits and culture of Cactus.

... In short, it is the practical, informative sort of article that you will always find in the Gardeners' Chronicle, the kind that has made it famous,—the nationwide favorite of amateur and professional gardener, alike.

... A trial will convince you that it is distinctly different, completely a gardening magazine. Special offer,—thirteen months for \$2.00, single copies 25c.

# GARDENERS' CHRONICLE

522-A Fifth Ave., New York City, N. Y.

## GRAFTED NUT TREES

Buy them as you like them, all kinds. Prices reduced. A grove of grafted black walnuts will prove insurance against future depressions. Bear in 3 years, will pay for themselves in ten. Get my latest information on nut trees, commercial and ornamental. Price sheet free, lit. 10c.

JOHN W. HERSHEY  
Nurticulturist Box O, Downingtown, Pa.



## NEW GIANT PEONY GIVEN FREE

New illustrated, valuable FREE OFFER list, 45 amazing IRIS, PEONY, GLADIOLUS bargains, free this month. Write for your copy now. Shipments sent prepaid from Charles Pfeiffer's wonder gardens under money-back guarantee.

**GLADIOLUS**  
\$10 VALUE ONLY \$2! While they last! 100 bushels of prize-winning Gladiolus bulbs at way below former wholesaler prices. Three each of 35 separate show strains, mixed and unlabeled, 105 fat, healthy, full-size bulbs (not bullets)! Includes new and prized varieties. Yellow, white, scarlet, lavender, gray, rose, lilac, coral, etc., a riot of rainbow color. Fill every vase in the house for six weeks. Only \$2 brings entire assortment prepaid. Act quick.

**\$1 CONNOISSEUR'S PEONY BARGAIN:**  
3 genuine, profuse-blooming, heavy-folaged, Prize Winners. All genuine "show" varieties. 1 White, 1 Dark Red, 1 Shell Pink, 1 Special Introductory. Offer also brings 1 Giant, Dark Pink, FREE. Shipments prepaid. For All 4 Send Only \$1. Pfeiffer Nursery, Dept. C-71, Winona, Minn.



WORLD'S CHOICEST NEW AND RARE PLANTS Illustrated Catalog Free

**NEW THOMSEN BLUE SPRUCE** ca. \$2.50  
3-6 in. grafts 3.95  
5 year roots 2 for 3.95

Our own new marvelous introduction this year. Never offered before. Bluest color ever seen. Supply limited. Order NOW while they last.

- 1 New Red Flowering Dogwood 8-12 in. .... \$1.25
- 3 Scarlet Delphinium, Calif. type ..... 1.25
- 3 Hybrid Delphinium, Blue, Pink & White ..... 1.25
- 25 Delphinium Seeds in above 5 colors ..... 1.25
- 3 New Poppy Olympia, Only double, Rare ..... 1.25
- 2 Azalea mollis 5-10 in. 1 Azalea, pink 1 ft. .... 1.25
- 3 Rhododendron pink, red and purple 1-1 1/2 ft. .... 1.25
- 3 New Beauty Bush, Charming pink, 1-1 1/2 ft. .... 1.25
- 1 Japanese Magnolia Soulangiana 6-10 in. .... 1.25
- 1 New Jap. Bloodleaved Maple 6-12 in. .... 1.25

**FREE** New Hardy Butterfly Bush. Very Rare. Worth \$1.50. With all Orders over \$6.50

- 4 Choice Peonies and 1 Bleeding Heart ..... 1.50
- 12 Hardy Perennials, Choice Varieties ..... 1.20
- 12 Rock Garden Plants Choice selection ..... 1.20
- 5 Rare Rock Garden Jap. Yews and Juniper ..... 1.25
- 10 Sedum, & Hen and Chickens, All diff. .... 1.25

Add 20c. for Postage and Packing.  
THOMSEN NURSERY CO. Mansfield, Pa.



### Most Convenient, Sensible Planting Guide! Ever Published!

**Chock Full of Honest Bargains!**

Shows you how to buy best groupings and at same time make big savings. Lowest prices in years! But the same guaranteed strictly highest grade "approved" Trees, Fruits, Flowers and Ornamentals upon which Green's have built their reputation for 57 years. Not a single item lowered in quality!

Write for this unique catalog. It's Free! It's the kind you always wanted! Read about our gift offer of Talisman Roses for early orders.

**GREEN'S NURSERY COMPANY**  
67 GREEN STREET..... ROCHESTER, N. Y.

**"Bulbs in a Class All Their Own"**

Will hold their own even though snow and ice covers their beds now. Instructive free catalog ready in April.

**ZANDBERGEN BROS.**  
"Tulipdom," Oyster Bay, N. Y.

**DAHLIAS**

Best Varieties at reasonable price.

Send for catalogue

**MRS. T. L. TATE**  
R. 1 Old Fort, N. C.

**Golden Rule Dahlias**

Our 1932 Dahlia Book is now ready. It contains the Table of Ratings in a further improved form and offers the finest Dahlia varieties at reasonable prices. Don't fail to write for this unusual catalogue.

Golden Rule Dahlia Farm, Lebanon, Ohio

**Delphinium "Dreams of Beauty"**

Hybrid Seedlings—15 for \$1.00 — 100 for \$6.00

Postpaid. Will bloom this year. Probably the largest, most ideal, hardy, disease resistant and best suited to American climate strain, ever produced. (A Diener production). Single and double blooms of liveliest iridescent colors, from palest blue to deepest indigo. Many with pink fillings. Satisfaction guaranteed.

Send for list of other excellent perennials.

**Hereford's Gardens** Oakford, Illinois

**Flowering Shrubs of Rare Beauty**

New and novel, but not expensive. Weeping Japanese Flowering Peach (equal to Jap Cherry), tree-like Wisteria in several colors, Cydonia apple-blossom pink. All described and priced in our new Illustrated Booklet, mailed on request.

**A. M. LEONARD & SON (Est. 1885)**  
601 Wood Street Pequa, Ohio

**IRIS DELPHINIUMS PHLOX**

"Believe it or not"—Early spring is the time to plant IRIS for quick results

100 Iris at least 27 choice varieties (not labeled)	\$5.00
12 Iris 12 Delphiniums 100 Gladiolus	5.00
12 Iris 12 Delphiniums 25 Gladiolus	3.00
12 Iris 12 Delphiniums 12 Phlox	3.00

Geo. N. Smith, 165 Cedar St., Wellesley Hills, Mass.

**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. AH, Grand Rapids, Michigan

**STANDARD GARDEN TRACTOR**

Plows Seeds Cultivates Mows Hay and Lawns

A Powerful Gas Tractor for Small Farms, Gardeners, Florists, Nurseries, Fruit Growers & Poultrymen

**AMPLE POWER**  
Handles Field & Truck Crop Tools—Lawn and Hay Mowing

**EASY TERMS**  
Runs Belt Machines, pumps, saws, High Clearance—Enclosed Gears.

**CATALOG FREE**  
Write Today, for Illustrated Catalog and Easy Payment Plan.

**STANDARD ENGINE CO.**  
Minneapolis, Minn. Philadelphia, Pa. New York, N. Y.  
3248 Como Ave. 2453 Chestnut St. 174 Cedar St.

### Dividends from digging

as is calculated to improve its value as a rooting medium. Plant foods are to be added later. Next, another strip thirty inches in width is marked off with the aid of a line and this top is turned over onto the freshly dug bottom of the first trench. The second trench is shovelled out clean to the full depth of a spade, the bottom turned over, and then the top of the third trench is placed onto this.

The trench to be taken out for trenching depends on whether or not the first and second spits are to be reversed. If so, it should be three feet wide and two spits deep. The bottom is then dug over as in double

digging, and the top spit of trench number two placed immediately thereon. The second spit of trench two goes on top of this, and then the bottom of the second trench is ready to be dug. If trenching is to be done and the soil layers left in their original positions a commencement is made by taking out a thirty-inch trench to a depth of two spits and also the second trench to a depth of one spit. The bottom is turned over as before, the second spit of trench two being placed on it, and then the top spit of the third trench on top of this again, and so the work proceeds, systematically and without wasted effort.

### In and about the garden

Continued from page 368

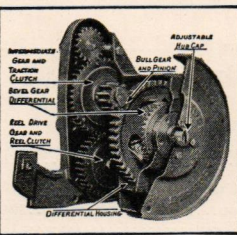
leaven of interest thus started may be spread into wider circles and the local gardens attain greater heights of beauty while their owners become more skilled in plant knowledge.

It has been my good fortune to participate actively as one of the judges in several local garden contests, including the largest of all conducted by the Herald-Tribune newspaper in the New York area. I am glad to have this opportunity of bearing testimony to the astonishing stride in garden improvement in design, material, and upkeep that has been experienced since the contest idea began, say, five or six years ago. Whatever the stimulating idea that gave rise to these contests, the found-

ers have indeed builded better than they knew in leading as well as stimulating efforts in a nationwide movement toward a better and more beautiful America. Of course, the professional horticulturist, the plant grower, the dealer, is interested in the movement. He should be. Not merely because it may stimulate a better market but because he has often a curious non-trader attitude towards his own occupation. He actually loves the product of his hands in which he deals. He likes to see better things distributed. He feels gratified when he can be the agency through which more people can be shown how to live more happily.

## Automotive Gear-Drive

### A Great Saving Feature



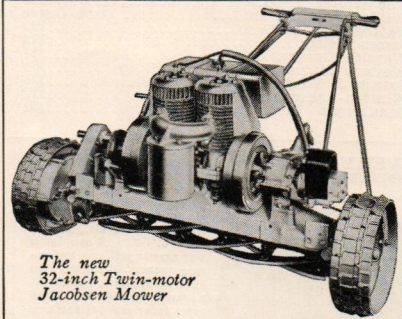
Sectional view of gear-drive

« « **Jacobsen** POWER MOWERS

Enclosed, precision-cut gear-drive running in oil is a feature of Jacobsen Power Mowers. They have no chains or sprockets. The "oil-floating" gears, found only on a Jacobsen, will give many years of smooth, quiet service after ordinary mowers have been worn out.

#### New 1932 "4-Acre" Mower

Newly designed for easy handling and true cutting. Turns under its own power by mere pressure of a finger; cutting cylinder improved and made more durable; finely tempered blades; improved high compression motor with instantaneous mechanical starter. Rubber tires optional equipment.



The new 32-inch Twin-motor Jacobsen Mower

#### New 32-inch Twin Mower

A sensational mower designed by engineers whose achievements lead the power mower industry. It has worlds of power under perfect control; will climb a 45% grade; easiest to operate, most tractable mower made. Gang Attachment increases its cut to 66 inches, or 2 1/2 acres an hour. The new "32" will solve your mowing difficulties for life. A boy of 14 can run it easily. Write today for our latest catalog.

WHEEL AND ROLLER TYPE POWER MOWERS —from 20" to 66" cutting widths—prices \$150 and up.

JACOBSEN MFG. COMPANY, 742 Washington Ave., Racine, Wisconsin

**JACOBSEN**

BUILT TO SAVE RUNNING EXPENSE



### YOUR DOORWAY — A Bit of Scenery from Fairyland!

HILL'S new Book of Evergreens will help you make it so. A complete work for everyone interested in home evergreen planting. Over 150 pictures—50 plates in full colors. Enables you to visualize the setting you wish for your approach or lawn. Illustrates

## HILL'S EVERGREENS

Every variety from every part of the world in which evergreens grow. Vigorous, thrifty stock ready for shipment from our 600 acre nursery. Book gives you the experienced counsel of specialists with 75 years' success—the largest growers in America. Enclose 25c which will be refunded on any order. Today's prices will interest you.

**D. HILL NURSERY CO.**  
Evergreen Specialists. Largest Growers in America

Mail This Coupon

Box 106 Dundee, Ill.

For the finest Evergreen Book we have ever published

Send me your new Evergreen Book. I enclose 25c.

Name.....

Address.....

**Brown's LAWN Fences** Beautify Your Grounds At Small Cost

**Free Catalog** Direct From Factory

Shows dozens of styles of Copper Steel Lawn Fence also Steel Drive Gates, Ornamental Posts, etc., at prices DIRECT FROM FACTORY

**Freight Prepaid** Low prices in catalog all you pay—no extras. Over a million customers buy by mail from Jim Brown. Write for catalog NOW

—Jim Brown—

**THE BROWN FENCE & WIRE CO.**  
Dept. 1835-B Cleveland, Ohio

## Ferry's SEEDS

Buy Ferry's purebred Seeds in fresh dated packets. For sale at the store around the corner.

Write for 1932 beautifully illustrated Home Garden Catalog free.

**FERRY-MORSE SEED CO.**  
San Francisco, Cal. Detroit, Mich.

Learn to be a — **LANDSCAPE ARCHITECT**

At Home—By Mail

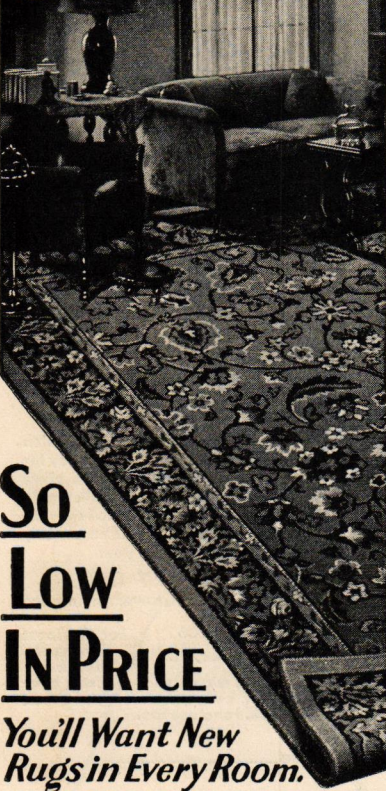
Big fees; pleasant, healthful work; a dignified, uncrowded profession offering remarkable opportunities to both men and women. Experts earn \$50 to \$200 a week. Some students pay for course from fees earned while studying.

Write today for details

**American Landscape School**  
Member National Home Study Council  
78 Plymouth Building Des Moines, Ia.



LUXURIOUS NEW-TYPE **OLSON RUGS**



**So Low In Price**

You'll Want New Rugs in Every Room.

**FREE**

Use Both Sides Soft, modern Seamless Reversible rugs that wear twice as long, are easy to clean, and lay smooth. Any Size in One Week

... Just mail the coupon, as thousands have, and we'll send you the beautiful Olson Book on Rugs and Decorating that is helping women all over the U. S. to beautify their homes with these luxurious low priced rugs.

**Send Old Rugs Clothing At Our Expense**

We scientifically merge and reclaim the valuable, seasoned wools—scour, sterilize, bleach, then respin, dye and weave into lovely rich-textured rugs in plain or two-toned colors or exquisite Persian, Turkish, Chinese, Early American and oval patterns.

**Week's Trial—Direct from Factory**  
It is sound judgment to Order Now. Finest quality, lowest prices in years. You risk nothing. If not delighted we will pay for your materials. We employ no agents.



**OLSON RUG CO. DEPT. P-78**

Mail to 2800 N. Crawford Ave., Chicago OR—Nearest Display Room shown below

Gentlemen: Mail me your big money-saving RUG BOOK, FREE, and NEW LOW PRICES

Name.....

Address.....

Town.....State.....

Chicago, 2800 N. Crawford  
Cleveland, 403 Euclid Ave.  
St. Louis, 505 N. 7th St.  
Milwaukee 152 W. Wisconsin  
Minneapolis, 512 Nicollet  
San Francisco, 200 Davis

New York, 245 Fifth Ave.  
Philadelphia, 401 N. Broad St.  
Boston, 453 Washington St.  
Washington, 511-11th, N. W.  
Pittsburgh, 319 Fifth Ave.  
Detroit, 35 E. Grand River Ave.

© O. R. C., 1932

**Index to Advertisers—March, 1932**

**Building Materials**

**Bathroom Fixtures & Plumbing Supplies**  
The American Brass Co. .... 317  
W. A. Case & Son Mfg. Co. .... 320

**Fireplaces & Accessories**  
Bennett Heater Co. .... 361  
The Heatilator Co. .... 358

**Garbage Incinerators, Sewage Disposal & Water Systems**  
Delco Appliance Corp. .... 321  
San-Equip, Inc. .... 360

**Heating Plants & Accessories**  
The Bryant Heater & Mfg. Co. .... 357  
Hoffman Specialty Co. .... 361  
Utica Radiator Corp. .... 359

**House Building Materials**  
Arkansas Soft Pine. .... 356  
Wood Conversion Co. .... 355

**Paints, Varnishes, etc.**  
Samuel Cabot, Inc. .... 354  
Schalk Chemical Co. .... 363

**Portable & Ready Cut Houses**  
The Aladdin Co. .... 362  
Gordon Van Tine Co. .... 360  
International Mill & Timber Co. .... 362

**Roofing & Shingles**  
Johns-Manville Corp. .... 349

**Windows, Doors, Screens, etc.**  
Libbey-Owens-Ford Glass Co. .... 320  
Rolscreen Co. .... 352

**Gardening**

**Seeds, Bulbs & Nursery Stock**  
Geo. D. Aiken. .... 379  
Beldt's Aquarium. .... 382  
Blackmore & Langdon. .... 375  
Bobbink & Atkins. .... 370  
Bountiful Ridge Nurseries. .... 376  
Brand Peony Farms. .... 372  
Joseph Breck & Sons. .... 370  
Bristol Nurseries, Inc. .... 366  
Brown Co. .... 374  
Robert Buist. .... 377  
Burgess Seed & Plant Co. .... 382  
W. Atlee Burpee. .... 371  
Champlain View Gardens. .... 367  
The Conard-Pyle Co. .... 378  
Dahlia Nurseries. .... 371  
Henry A. Dreier. .... 379  
Wm. G. Duckham. .... 379  
Farr Nursery Co. .... 382  
Earl Ferris Nursery. .... 377  
Ferry-Morse Seed Co. .... 381  
The Fischer Nurseries. .... 376  
F. M. Gillet. .... 377  
Gillett's Fern & Flower Farm. .... 372  
Glen Bros. .... 381  
Golden Rule Dahlia Farm. .... 381  
Green's Nursery. .... 381  
E. E. Healey. .... 378  
Healey's Specialty Seeds. .... 373  
Peter Henderson & Co. .... 373  
Hereford's Gardens. .... 381  
John W. Hershey. .... 380  
D. Hill Nursery Co. .... 381  
Robert Evans Hughes. .... 375  
Johnson Water Gardens. .... 375  
Keith Bros. Nursery. .... 382  
R. M. Kellogg Co. .... 376  
A. E. Kunder. .... 376  
Lager & Hurrell. .... 380  
A. M. Leonard. .... 381  
The Living Tree Guild. .... 367 and 382  
Mexican Trading Co. .... 367  
Michell's Seeds. .... 380  
F. B. Mills. .... 380  
A. Mueller Dahlia Gardens. .... 380  
National Home Planting Bureau. .... 379  
New Market Perennial Gardens. .... 378  
Oakleigh Gardens. .... 381  
Rex D. Pearce. .... 372  
George H. Peterson. .... 380  
Pfeiffer Nursery. .... 380  
Curtis Redfern. .... 378  
Riverside Gardens. .... 380  
Rose Side Gardens. .... 382  
Max Schling, Inc. .... 363, 376, 378, 379  
Schreiner's Iris Gardens. .... 378  
O. M. Scott & Sons Co. .... 375  
W. B. Shaw Aquatic Gardens. .... 378  
R. H. Shumway. .... 379  
Geo. N. Smith. .... 381  
Stump & Walter. .... 377  
Success Dahlia Gardens. .... 386  
Sunset Gardens. .... 369  
Swift & Co. .... 381  
Mrs. T. L. Tate. .... 381  
The Templin-Bradley Co. .... 380  
Terrell's Aquatic Farms. .... 382  
Thompson Nursery Co. .... 380  
The Walter A. Tucker Co. .... Back Cover  
William Tricker, Inc. .... 380  
Nathan Van De Car. .... 378  
James Vicks. .... 371  
Wayside Gardens. .... 379  
Western Maine Forest Nursery. .... 378  
Joseph J. White, Inc. .... 378  
Whittem-Ackerman Nurseries. .... 381  
Zandbergen Bros. .... 381

**Gardening (Cont.)**

**Garden Furniture & Decorations**  
Hartmann-Sanders Co. .... 365

**Fences**  
Brown Fence & Wire Co. .... 381  
Interlocking Fence Co. .... 367

**Gardening, Miscellaneous**  
Adco. .... 372  
Aquaproof Products Co. .... 367  
Atkins & Durbrow. .... 378  
The F. E. Myers & Bro. Co. .... 363  
Pulverized Manure Co. .... 382  
Tennessee Corp. .... 366  
Andrew Wilson, Inc. .... 376

**Lawn Mowers Lawn Rollers and Garden Tractors**  
American Farm Machine Co. .... 378  
Dudwell Lawn Mower Co. .... 376  
Dunham Lawn Roller Co. .... 366  
Jacobsen Mfg. Co. .... 381  
Milbradt Mfg. Co. .... 374  
The Moto-Mower Co. .... 377  
Standard Engine Co. .... 381

**Sprinkling & Water Systems**  
Double Rotary Sprinkler Co. .... 367

**House Furnishings**

**China, Pottery and Glassware**  
Fostoria Glass Co. .... 360

**Drapery & Upholstery Fabrics**  
Martin Mfg. Co. .... 362

**Floor Coverings**  
Armstrong Cork Co. .... Third Cover  
Collins & Aikman Corp. .... Second Cover  
Olson Rug Co. .... 382

**Furniture**  
Conant-Ball Co. .... 361

**House Furnishings, Miscellaneous**  
The A. S. Boyle Co. .... 353  
Justrite Mfg. Co. .... 362

**Interior Decorations**  
Kirsch Co. .... 320

**Kitchen & Laundry Equipment**  
Clay Equipment Corp. .... 362  
General Electric Co. .... 318

**Wall Paper & Wall Coverings**  
Columbus Coated Fabrics Corp. .... 321  
Standard Textile Products Co. .... 351

**Food Products**  
W. A. Taylor Co. .... 362

**Miscellaneous**  
Birdhaven. .... 361  
Bird Land. .... 362  
Colonial Yarn House. .... 360  
C. H. Morley. .... 380

**Poultry, Kennels and Bird Houses**  
Joseph H. Dodson, Inc. .... 362  
New Jersey Fence Co. .... 380

**Publishers, Books, Etc.**  
Theo. Audel & Co. .... 382  
A. C. Borzner. .... 363  
The Boston Cooking School Magazine Co. .... 360  
W. D. Dewnap. .... 367  
Garden Digest. .... 382  
Gardeners' Chronicle. .... 380  
Frederick H. Gowing. .... 365  
Hearthstone Association. .... 362  
Home Designers Guild. .... 382

**Schools**  
American Landscape School. .... 381

**Toilet Accessories**  
Hygienic Products Co. .... 360

**Toiletries & Drug Supplies**  
A. S. Hinds Co. .... 351  
Vick Chemical Co. .... 321

**Shop Windows of To-day**

The Boulevard Shop. .... 364  
Charles B. Brinkworth. .... 364  
E. E. Burroughs. .... 365  
M. W. Carr & Co., Inc. .... 365  
Comtapa Laboratories. .... 365  
Grace L. Flemlster. .... 365  
Galloway Terra-Cotta Co. .... 365  
Saul Haber Associates. .... 364  
Irish Linen Weavers Association. .... 365  
W. G. Lemmon & Co., Ltd. .... 334  
Daniel Low & Co. .... 365  
New York School of Interior Decoration. .... 364  
Adolph Silverstone, Inc. .... 365  
Slumber Sweet. .... 365  
Hyman Tuttleman. .... 364

**EVERY GARDENER AND GROWER WANTS TO KNOW**

how to improve the soil and grow more and finer vegetables, more and better fruit, the finest flowers, plants, trees and shrubs, hot house methods, etc., all told by E. C. Vick in 4 new books that answer problems and assure success. Price \$6. Sent FREE on approval, payable \$1 a month if satisfied. Send name today and get books at publisher's risk. Garden folder free. THEO. AUDEL, 85 W. 23 St., New York, Dept. V27.

**WILD FLOWERING PLANTS**

Unusual American Plants for pools, waterfronts, door yards, woods and wild life our specialty. 36 years experience. Also Water Lilies, Rock Plants, Grow in any garden. Catalog free. Planting suggestions gladly given.

TERRELL'S NURSERIES  
404 W. 8th. Oshkosh, Wis.

**Garden Digest**

—the "garden magazine of all garden magazines"—because it condenses helpful suggestions and articles of lasting value from scores of other magazines—books and bulletins. Garden Digest is your private secretary—always watching for the best ideas on home-place improvement. Sample 10 cents. One year's subscription, \$1.00. Garden Digest, 1112 Great Oak Lane, Pleasantville, New York.

**A PORTFOLIO of AMERICAN HOME DESIGNS**

Declared by recognized authorities to be the finest compilation of 5-11 room Colonial, French and English designs. Photographs, perspectives and floor plans. Price \$2.00 Postpaid. Complete architectural services. HOME DESIGNERS GUILD, Inc. 280 Tremont Street Boston, Mass.

**6 GORGEOUS GLADIOLI 10**

**Fine Blooming Size Bulbs**

Just to introduce Kellogg's many Big Bargain offers on Flowers, Shrubbery, Fruits, and Berries, we'll send you 6 of our special big gorgeous gladioli—all for only 10c postpaid. 6 choice big-flowering gladioli; all different colors. 1 Fire Red; 1 Salmon-Orange; 1 Gorgeous Yellow; 1 Cream-White; 1 Rose-Pink; 1 Beautiful Lavender. A real 60c value anywhere. Our price only 10c postpaid. Order from this ad—stamps or coin. (18)

Big Bargain Catalog FREE  
R. M. KELLOGG CO.  
Box 1318 Three Rivers, Mich.

**SIBERIAN ELMS...\$1**

**BEAUTIFUL SHADE TREE GROWS LIKE MAGIC**

Here's one of the biggest tree bargains ever offered. In a few years with this fast growing tree you will have beautiful shade. Its rapidity of growth is amazing. 2 to 3 feet high when delivered. Very hardy. One year guarantee on every tree. Replacement without cost if it fails to live. Get several at a time. Save money. ONE for \$1; TWO for \$1.85; THREE for \$2.65; DOZEN for \$9.45. These prices include all delivery costs—there is nothing extra! Reservations at these prices while they last. Order now. Shipped at right planting time.

**THE LIVING TREE GUILD, Dept. 17**  
National Headquarters for Guaranteed Living Trees  
468 Fourth Ave., New York, N. Y.

**PURE SHEEP MANURE**

**WIZARD BRAND SHEEP MANURE**

Wizard is Nature's fertilizer, highly concentrated and guaranteed weedless. Supplies humus and all the elements needed to make plants thrive. A lasting soil builder, surprisingly economical and easy to use. Will not burn. Best food for lawns, flowers, trees and vegetables. Insist on Wizard at your garden supply house. Sold for 26 years. Send for interesting free circular.

**THE PULVERIZED MANURE CO.**  
81 Union Stock Yards, Chicago

**MAKES ALL PLANTS GROW**

**ROCK-GARDENS and RARE PLANTS & SEEDS**

Beautiful Catalog Free  
Special Offers: (Sent postpaid)

10 large field grown, Hardy Plants, all different, labeled, \$1  
50 large flowered Exhibition Gladioli Bulbs, all colors, \$1  
6 choice Dahlias, all different colors, each labeled, \$1  
5 very choice Iris, all different colors, each labeled, 50c

**ROSE SIDE GARDENS, Box 17, WARWICK, PA.**

**WATER LILIES TROPICAL & GOLD FISH**

We supply 100 kinds of fish and 200 kinds of aquatic plants. Special Water Lily Collection, one white, one blue and one red all three postpaid in U. S. for \$3.00. Large catalog free on request.

**BELDT'S AQUARIUM**  
2143 Crescent Avenue  
St. Louis Mo.

**TREE PEONIES**

Comprehensive assortment at \$3 to \$65 each. Write for quotations on quantity and colors desired.

**FRENCH LILACS**

Sixty best varieties available from our collection of 180 kinds. Write for suggestions according to the space you may have available.

**FARR NURSERY CO., Box 104, Welser Park, Pa.**

**5 ROSE 35¢ BUSHES 35¢**

Five Hardy Everblooming Roses, one each of Crimson, Scarlet, Pink, White and Yellow, by parcel post, postpaid, for only 35c or 15 for \$1.00. Order Now and give date you want plants sent. Burgess Seed and Nursery Book sent free on request.

**BURGESS SEED & PLANT CO.**  
418 Rose Department Galesburg, Michigan

**Gladiolus Book Free**

Send for my new 36-page GLADIOLUS BOOK describing 183 exquisite varieties, many new. Tells how to grow. 45 illustrations. It's free. Write to-day. My famous beautiful RAINBOW COLLECTION of thirty bulbs, all different named varieties, but not labeled, blooming size, \$1 postpaid. Satisfaction guaranteed.

Howard M. Gillet, Gladiolus Specialist  
Box 252, New Lebanon, N. Y.

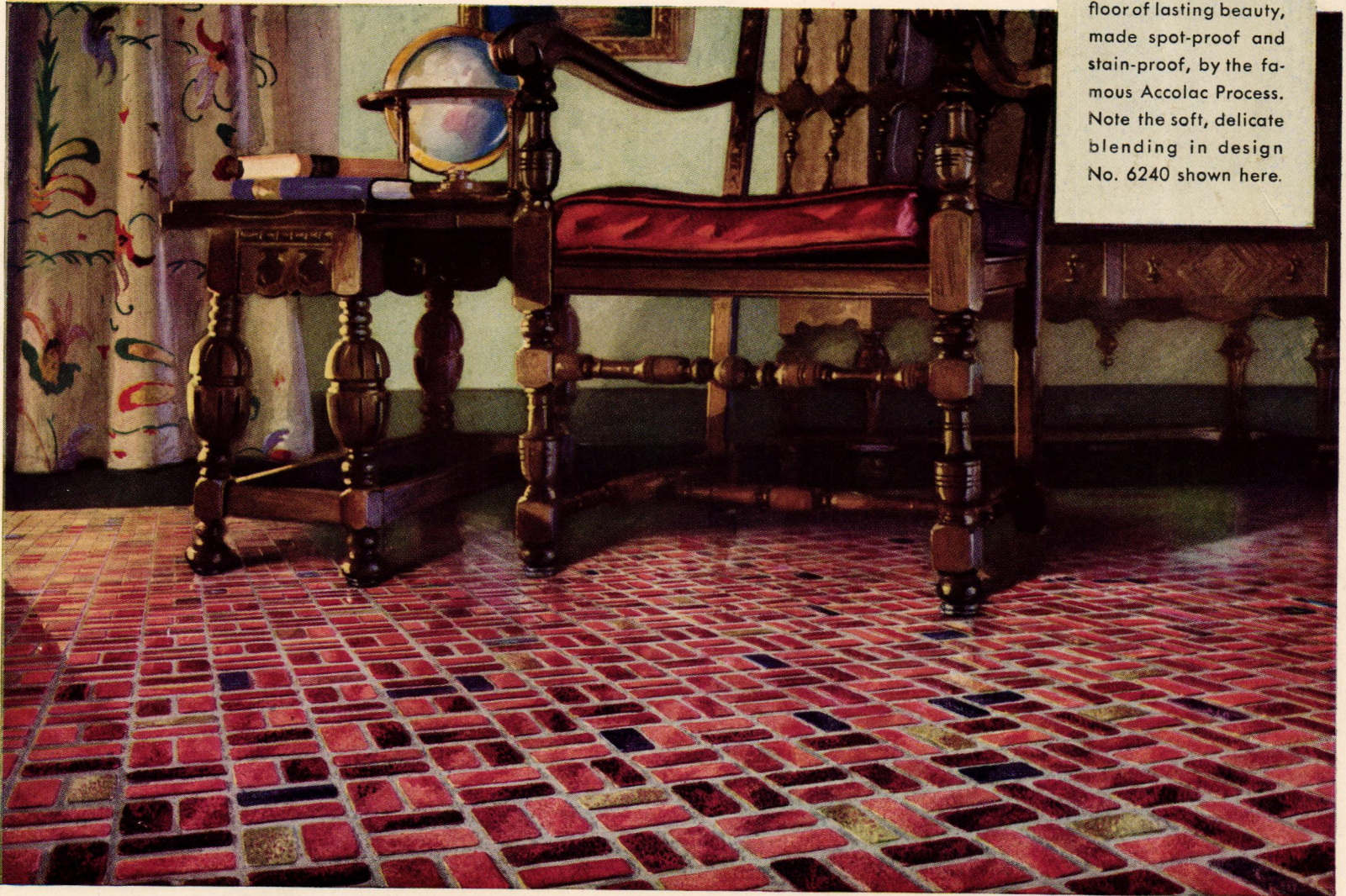


*It is new!.. It is smart!.. It is thrifty!*

**SHADED**

**EMBOSSSED LINOLEUM**

To the eye it's color magic! To the pocketbook it's sensible thrift! For a floor of the new Shaded Embossed Linoleum is a floor of lasting beauty, made spot-proof and stain-proof, by the famous Accolac Process. Note the soft, delicate blending in design No. 6240 shown here.



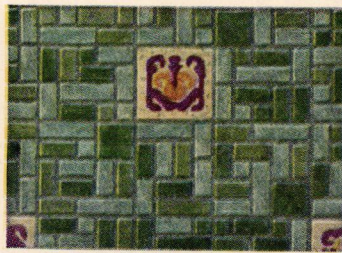
**H**ERE'S a fashion tip to take shopping with you this week. A thrift tip, too! Before you spend another penny—waste another moment—trying to fix up old, shabby floors, see Armstrong's new Shaded Embossed Linoleum.

These new-type floors match the autumn woods for beauty—in soft, rich toning, in harmonious color blending. Even the interliners that frame each unit show the same subtle shading of color. Embossing enhances the whole effect—gives these new Armstrong creations a depth and

texture equal to Old World floorcraft.

But not equal in cost, as your pocketbook will be pleased to discover. For these new Shaded Embossed Floors offer the same timely thrift appeal for which all Armstrong Floors are noted. Their first cost is low. They require no expensive refinishing. They are permanent when cemented over linoleum lining felt. They *save* on cleaning care, thanks to the Accolac-Process surface.

Where can you see them? Tomorrow, if you wish, at any good linoleum, furniture, or department




Two of the brand-new Armstrong Shaded Embossed effects, Designs Nos. 3260 and 3251. See these and others now showing at local stores.

*In less than a day you can hide an old floor under this new Shaded Embossed Linoleum. A permanent change, too, and not costly. Design shown above is No. 6240.*

store. Take along room measurements if you want the delightful surprise of learning how little these smart floors cost.

For the complete beauty—and thrift—story of Armstrong's Linoleum Floors, write for the new "Home Decorator's Idea Book." It's just what its title implies—a bookful of suggestions for planning praise-winning rooms. Sent for 10¢. (In Canada, 20¢.) Address Armstrong Cork Company, Floor Division, 951 Pine Street, Lancaster, Pennsylvania, (Makers of cork products since 1860)

Armstrong's  
  
 Product

**Armstrong's Linoleum Floors**

FOR EVERY ROOM IN THE HOUSE

PLAIN . . . INLAID . . . EMBOSSED . . . JASPÉ . . . LINOFLOR . . . PRINTED . . . and ARMSTRONG'S QUAKER RUGS



# A Pool of **Colorful** Water Lilies



## The New "BEAU IDEAL" Collection

Photographed here in natural colors. ROSE AREY, deep cerise-pink, large flowers. GLORIOSA, large red flowers. CHROMATELLA, very deep yellow. MARLIAC WHITE, large, sparkling white. COMANCHE, changeable, apricot to deep bronze.

ALL FIVE **\$9<sup>00</sup>**  
FOR ONLY

*—will add Beauty, Color and Fragrance to Your Garden*

Colors of indescribable beauty, a fragrance that is unequalled, and a fascinating new interest afforded by no other form of gardening! These are the new joys that a Water Lily Pool will bring to your garden.

America has discovered the lure and fascination that a water garden held for the Ancients, and today no garden is considered complete or modern until it has a Water Lily Pool.

Fortunately, no garden is too large or too small for a pool of Water Lilies, or at least a simple sunken-tub pool of Water Lilies.

Marvelously beautiful effects can be secured with little effort and at a cost far less than you would expect.

### The Nile Duet

**\$2**

Two gorgeous flowers, which date back to the water gardens of the Egyptians. CAERULEA, exquisite blue tropical day bloomer. LOTUS DENTATA, white night blooming tropical.

### Complete Water Garden

**\$5**

Choice of pink, blue, yellow or white Water Lily; 6 Aquatic Plants; 6 Border Plants; Cedar Water Lily Tub; pair of Snails. All for only \$5.

### Small Pool Collection

**\$10<sup>50</sup>**

3 Water Lilies, pink, blue, yellow; 20 Aquatic Plants; 12 Goldfishes; 2 Calico fishes; Assortment of Snails and Tadpoles; 2 Clams; Pair of Salamanders; 1 Carton of Praefecta, our new fertilizer. All for \$10.50.

## You Can Enjoy a Water Lily Pool This Summer

Think of it, you can enjoy a Water Lily Pool of your own, no later than this summer, if you will plan it now, for little time is required to establish a Water Garden.

Water Lilies are the easiest to grow of all flowers. They require no weeding, hoeing or watering.

We will gladly send you, free of charge, a copy of our beautiful new 1932 Catalog, which shows you how easily and quickly you may have a Water Garden.

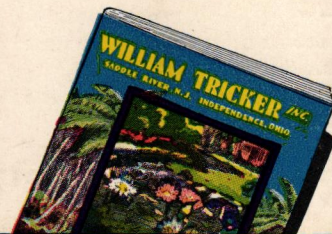
It pictures and describes the largest col-

lections of Water Lilies and Aquatic Plants in America. Many varieties are illustrated in their gorgeous natural colors.

It tells how to build a pool inexpensively; how to plant a tub garden, and gives complete cultural directions.

Included are chapters on fancy fishes, with color illustrations which show the most interesting varieties in full natural colorings.

Mail the coupon, right now, to our nearest office for your free copy!



## Wm. Tricker, Inc.

2316 Rainbow Terrace  
Independence, Ohio

*Water Lilies*

2301 Brookside Avenue  
Saddle River,  
New Jersey

WM. TRICKER, Inc.

2316 Rainbow Terrace, Independence, Ohio  
2301 Brookside Avenue, Saddle River, New Jersey  
Gentlemen: Please send me a Free copy of your 1932 Catalog.

Name.....

Address.....