

TEN CENTS

FEBRUARY 1931

The American Home

10¢

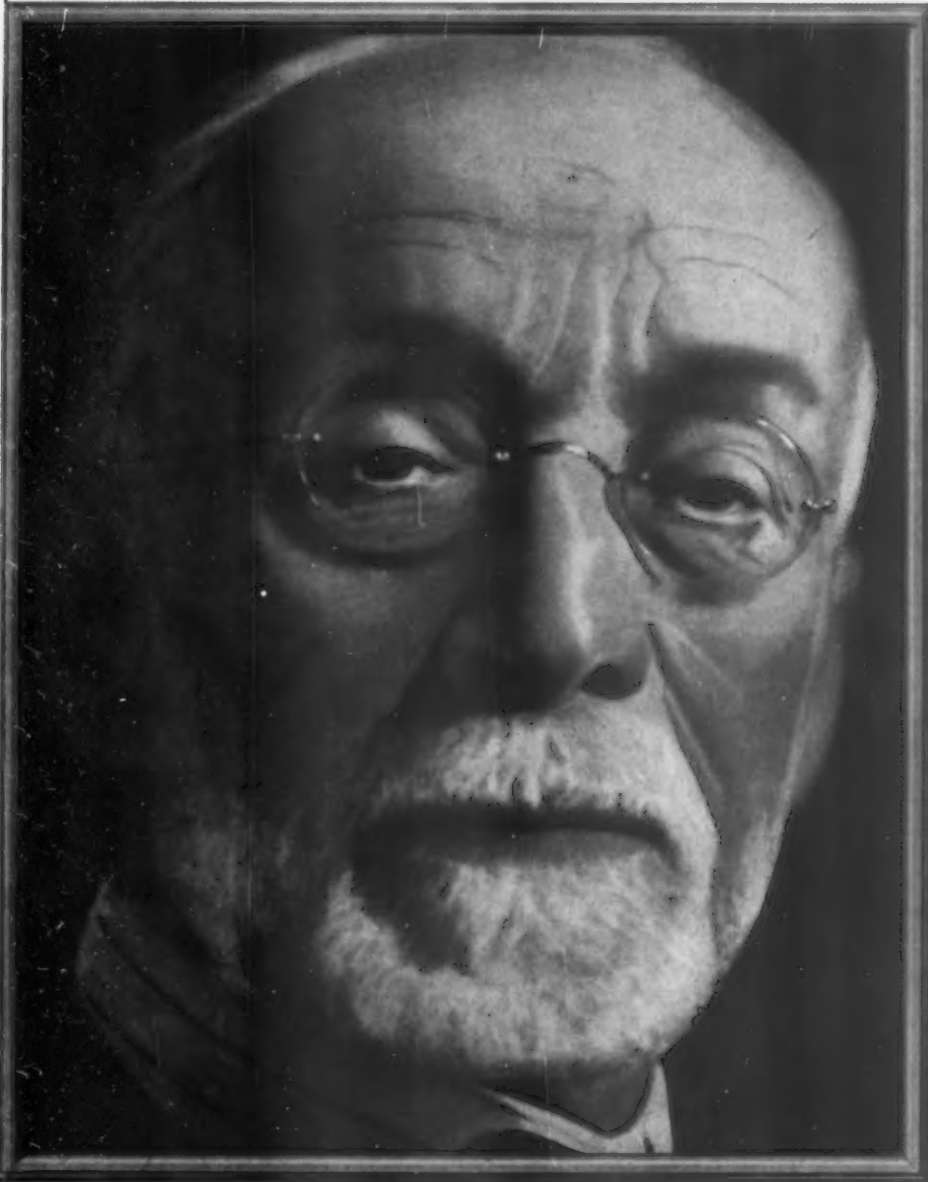


This Regency House Designed by Delano & Aldrich. Page 362

The Etiquette of Silver by Eddy Post. Page 349

Dr. Asa D. Dowd & Company, Inc.

"A DISTINCT CONTRIBUTION"



Says

AUGUST HECKSCHER

Noted Philanthropist

Chairman of the Heckscher Foundation
for Children; President Child
Welfare Committee of America

Director:
Empire Trust Company
Crucible Steel Company

"The most laudable service that any industry can render is the attempt to benefit its patrons. That is the cardinal principle of philanthropy. And so, interested as I always am in modern developments, I consider that your use of the Ultra Violet Ray in your Toasting of LUCKY STRIKE is a distinct contribution of which the public will whole-heartedly approve."

August Heckscher



Everyone knows that sunshine mellows — that's why TOASTING includes the use of the Ultra Violet Ray. LUCKY STRIKE — the finest cigarette you ever smoked, made of the finest tobaccos — the Cream of the Crop — THEN — "IT'S TOASTED." Everyone knows that heat purifies and so TOASTING removes harmful irritants that cause throat irritation and coughing. No wonder 20,679 physicians have stated LUCKIES to be less irritating!

"It's toasted"

Your Throat Protection — against irritation — against cough

Consistent with its policy of laying the facts before the public, The American Tobacco Company has invited Mr August Heckscher to review the reports of the distinguished men who have witnessed LUCKY STRIKE'S famous Toasting Process. The statement of Mr Heckscher appears on this page.

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A view of our extensive showrooms in Chicago, Illinois.

They Live On and On . . . There is genuine pleasure in owning these perfect replicas of colonial handicraft by Kittinger. Deep-toned Solid Mahogany has been skillfully carved and fashioned to reproduce the chaste beauty of the Martha Washington chair and the delicately reeded, graceful dignity of the Duncan Phyfe drop-leaf table . . . the original of which is in the Metropolitan Museum in New York.

Each of the 700 authentic Kittinger reproductions and adaptations is constructed exclusively from solid cabinet woods . . . built for generations of service . . . and available to the family of moderate income.



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433 East Erie Street

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1300 S. Goodrich Blvd.

Have you sent for the booklet, "The Charm of a Livable Home"? It contains many suggested groupings and room arrangements. Address Kittinger Company, 1904, Elmwood Ave., Buffalo, N.Y., or ask for a copy at any of our showrooms.

Kittinger Distinctive Furniture is sold by leading dealers and decorators



KITTINGER
Distinctive Furniture



In homes so smoothly managed that they seem to run themselves . . . where all the family carry on their varied activities with ease and comfort . . . there are telephones located at convenient points throughout the house . . . in boudoir, library, sun porch, kitchen . . . wherever time and energy can be saved by quick communication.



A telephone in the bedroom is a personal, intimate touch that young people appreciate. It saves steps during the day and adds an assurance of protection at night.



A telephone belongs in the living room, used more than any other by all the family. Close beside the reading lamp, it prevents over-long interruptions in an interesting story or game or conversation.

"WE'LL MEET YOU AT THE THEATER AT HALF-PAST EIGHT"

★
Telephones throughout the house are essential to gracious, comfortable living



A hurried trip to station, school or store? . . . A telephone conveniently located on the wall of the garage makes cars instantly available to any member of the family.

THE BUSINESS of living is a complex one in this restless, active age. It must be carefully planned, deftly managed. Or engagements pile up and schedules break down.

Some people seem always to live successfully, with fresh zest and interest for every day. You'll find the secret in their well-ordered homes. Where there is quiet and comfort, but no confusion. Where telephones are located at convenient points throughout the house.

Those telephones — in boudoir and bedroom, in living room and

sun porch, in kitchen and laundry—save a great deal of time and energy.

There's no running upstairs or down. Incoming calls are instantly accessible in all parts of the house—to all the family. Calls can be made outside—to a friend, to store or school or office—as quickly and easily as they come to mind.

This telephone convenience is available in your home at moderate cost. Your local telephone company will gladly help you plan the arrangements best suited to your needs. Just call the Business Office.



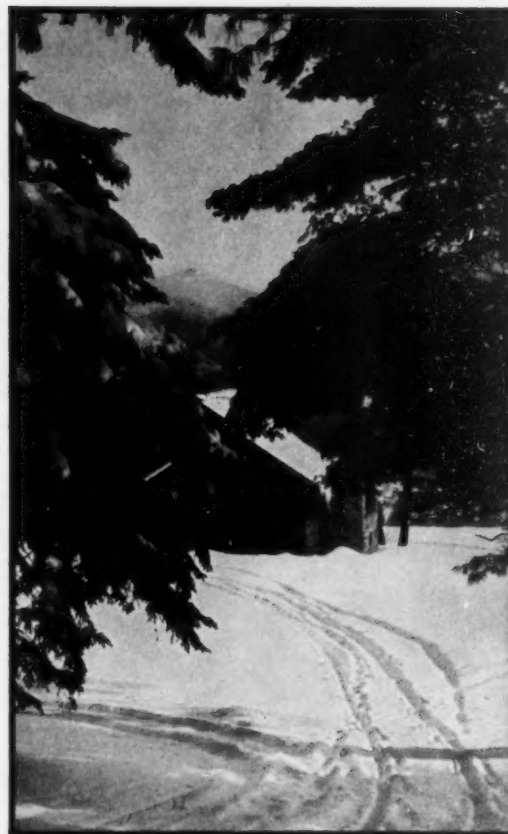
The American Home

FEBRUARY 1931

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Warren Boyer

Tracks in the snow! What a fascination to follow them and see where they go, particularly when, as in this instance, they lead to such a cozy little home in the greenwood

REGINALD T. TOWNSEND

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Make one of these lovely Homes —Yours

Save 10% to 20%

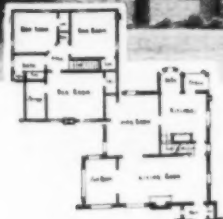
TODAY is bargain day in building. Materials are down, labor is plentiful and efficient. \$8000, \$12,000, \$15,000 will build for you the home that would have cost

expense. Pictured here are but three of the forty modern Forestblend Homes shown in the new Plan Book "Beauty in Brick."

Sixty pages of photographs, plans, sketches, color reproductions, things you should know about building, hints



Left: The Carston, one of the inviting English homes of Forestblend Brick, pictured in the new plan book, "Beauty in Brick." An attractive home, ably planned. Note the arrangement and convenience of its six large rooms.



Right: A delightful Spanish conception of five rooms and bath. Warm cream walls and red tiled roof make it most attractive. Selected from "Beauty in Brick."



A splendid home for the small family is the Campbell, shown at the left. Particularly suited for a narrow lot. One of the popular priced modern bungalows described in "Beauty in Brick." Send fifty cents with coupon below for full plans and details.



\$2000 to \$3000 more last year. And building authorities agree that the next price move will be up.

Build one of these beautiful Forestblend Brick Homes now. Profit by its low first cost. Enjoy the satisfaction of its enduring beauty, its freedom from painting, repair and upkeep

that will save you money. No book exactly like it has been published before.

Select from it the home you want, have your local builder estimate its cost. You will be surprised at his reasonable figure. Sign the coupon and send for it today. Only fifty cents.

FINZER BROS. CLAY CO., Sugar Creek, O.

Forestblend

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Send for this Book

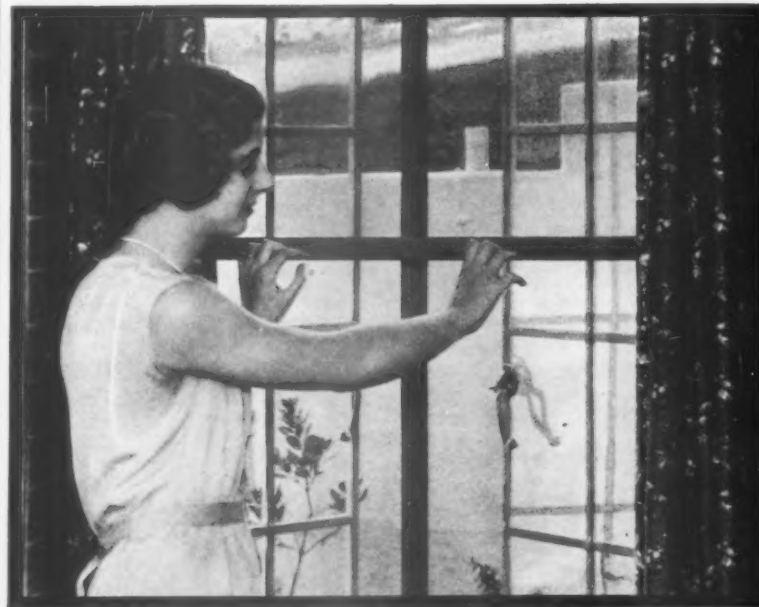


50c

THE FINZER BROS. CLAY CO.
Sugar Creek, Ohio
Gentlemen: Please send me a copy of your new Plan Book "Beauty in Brick." Enclosed find fifty cents.

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Street _____
City _____ State _____

"Rolscreened! Thank goodness, no screens to put up this spring... nor ever again!"



HER WORDS... but they were her husband's, too, after he'd slain the spectre each spring had brought into his life—the dreaded job of cleaning and bringing dusty screens out of the cellar and putting the pesky things up. He did it with Pella-made Rolscreens!

Rolscreens are permanent. What a relief! What a convenience! What beauty they add to windows—and modernness to any home! Proud is the woman who can show her friends her Rolscreens. Enthusiastically she tells of their many superiorities over the old-fashioned flat type of screens.

Rolscreens roll up and down—like a window shade

They're there when you want them; snugly out of the way and out of sight, on hidden rollers, when summer's over.

They roll up automatically— at a touch of the thumb.

No need to remove when washing windows; no trouble getting at flower boxes or casement latches.

No dirt to gather on them; no soiling of breeze-blown drapes... Rolscreens clean themselves in rolling.

No marring the beauty of windows; no heavy frames to reduce light area.

Rolled up, on the inside, when windows are closed, they do not obstruct the vision.

No repainting or repairing; no breaking mesh or rust-made holes.

No sagging or bagging... In Rolscreens of Pella the mesh is locked in at sides, top and bottom. Insect-tight even in widest windows.

Rolscreens of Pella are made of special electro-plated "AluminA" wire-cloth, with reinforced selvage, that will far outlive their TEN-YEAR GUARANTEE.

These are just a few of the many advantages of Rolscreens. Get the whole amazing story. Only in Rolscreens of Pella can you benefit from the fifteen patented features which make these superior to all other rolling screens. Send coupon below for illustrated booklet. It will bring you complete information about the convenience, economy and beauty of Rolscreens and how you can easily have them installed in time for this summer's enjoyment. There's a Pella-made Rolscreen for every size and type of window—for new homes or old.

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Rolscreens

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OF PELLA, IOWA

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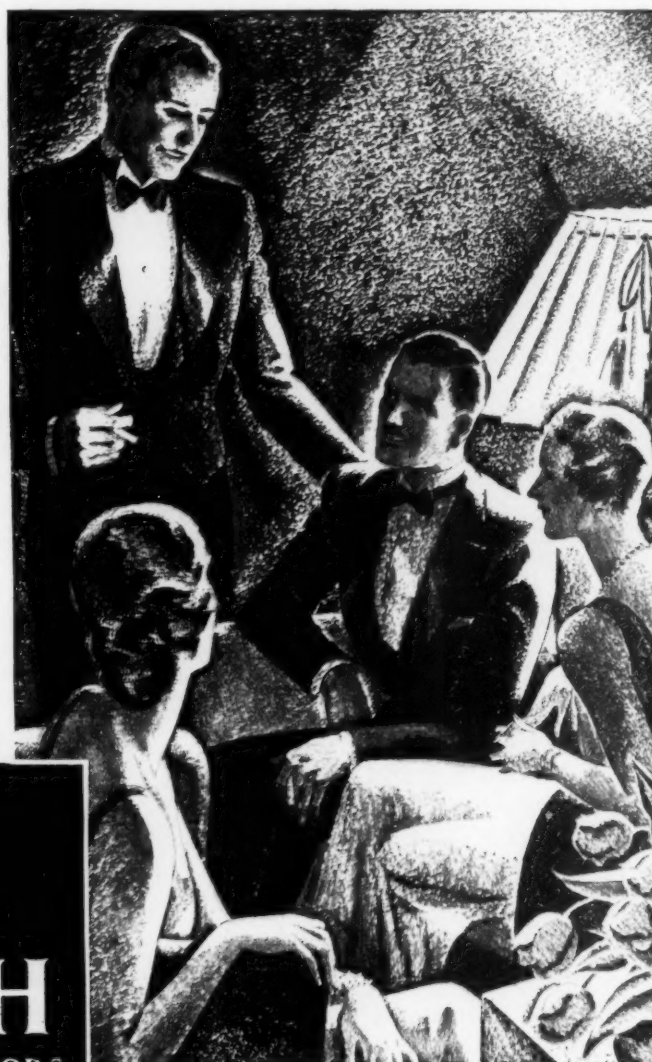
YOU say your fuel bills are terrible? And your house awfully slow to heat on cold mornings? And in extra cold weather it is never really comfortable?

I see. I know your story well. It's an old one. Let's get at it this way. Do you remember what your house cost to build? \$20,000, eh? Then I'll wager your heating installation cost \$2,000. Right. It generally figures about 10% of the total.

I'll bet you scanned that item with eagle eye. I'll give you some more figures, just to show I know my business. The specifications gave you a choice of boilers. The highest cost boiler was about \$400. And the lowest cost one was about \$300. Am I right? Thank you. I thought I was.

It costs a lot of money to build a home. You had a lot of expenses right then. You wanted to save wherever you could. So you bought the \$300 boiler. Even though the contractor said, "Well, yes, you can, though I don't advise it." Yes. I know. I know. Sure. Natural enough.

But, my dear sir, the \$100 you saved was only 1/2 of 1% of the cost of your house. You gambled the comfort and happiness of a \$20,000 home to save 1/2 of 1% of its cost. "For the sake of a shoe, a kingdom was lost" is what I always say.



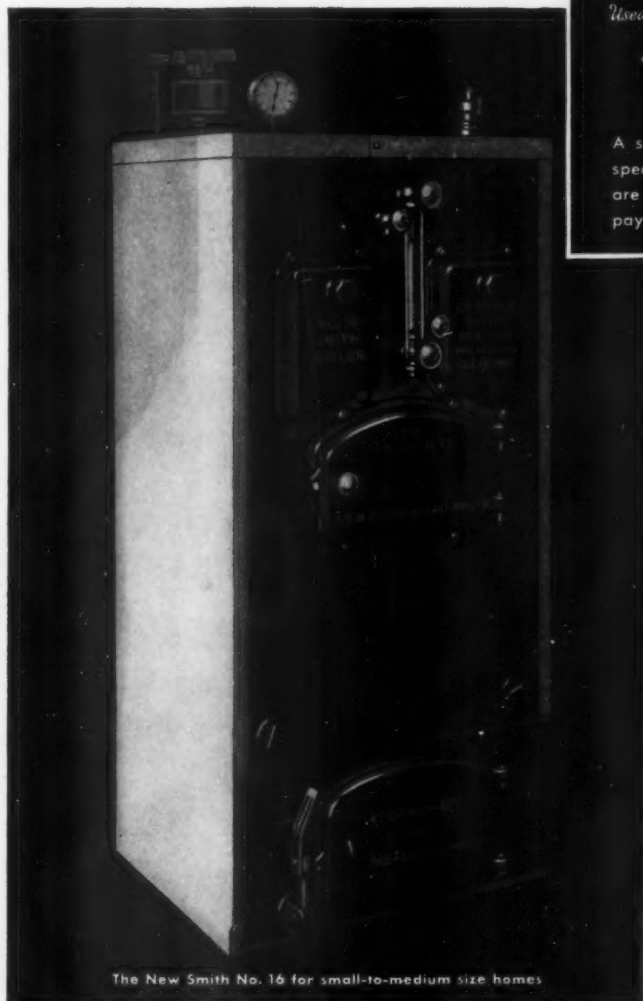
"For the sake of a shoe . . .

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A special line of boilers to meet the special needs of the oil burner. If you are about to install an oil burner, it will pay you to ask about these special boilers.

. . . a kingdom was lost"



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I don't expect you to swallow this whole. But if I've started you thinking—great! You'll begin looking into this a bit and there's no harm in that. And no obligation. Ask your Architect and Engineer about H. B. Smith Boilers. Send the coupon for free copies of our two booklets—"The New Smith 16" and "Does it Pay to Install an Oil Burner?" Address The H. B. Smith Co., Westfield, Mass.

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 Dept. L-22, Westfield, Mass.

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Name _____

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This is a floor-plan of the Hodgson House illustrated. A full-size house, furnished, is on display at our New York exhibit, 730 Fifth Ave. at 57th St. Similar exhibit, 1108 Commonwealth Ave., Boston. Also outdoor exhibits at Sudbury and Dover, Mass.

HODGSON HOUSES



"BUILD A HOUSE LIKE THAT IN

**TWO WEEKS?
SURELY YOU MEAN
SIX MONTHS!"**

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Among the many floor-plans in our book, you will certainly find the one that fits your idea of a vacation home. Write for book K-2, today. It gives prices, pictures, complete information; also shows furnishings and lawn and garden equipment. Address E. F. Hodgson Co., 1108 Commonwealth Avenue, Boston, Massachusetts, or 730 Fifth Avenue at 57th Street, New York City.

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if you are interested in a substantial cut in your fuel bill each month. The Multi-Flow assures you of an abundance of steaming hot water day or night. With the new AQUA-MATIC REGULATOR, but scant attention is necessary. In the average home, once every 2 or 3 days. Rapid circulation through copper coils. Fittings of bronze. No rusty water. Connects to boiler. Let the Multi-Flow solve your hot water problem. Send today for descriptive folder and prices.



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Est. 1893

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Make sure that any stucco used is made with this same portland cement.

Whether in the walls of a home, or in the arch of a bridge, portland cement endures through generations with little if any attention. Should the walls be of concrete masonry the portland cement stucco will bond perfectly — *become part of the wall.*

Look into the superiorities of portland cement stucco. It provides a choice of several textures and many delightful color tones. It is easily and quickly applied and — no matter what you may have heard about "ordinary" stucco — *is long-lasting and trouble-free.*



Two attractive Tennessee residences with portland cement stucco exteriors: upper home built by Briggs and Rankin, contractor; lower home by Martin and Warlick Contracting Co.

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REVERSIBLE rugs like these—so luxuriously soft—so expertly woven—so low in price that you'll say, "the finest rug value I have ever seen."

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Our 57th Year

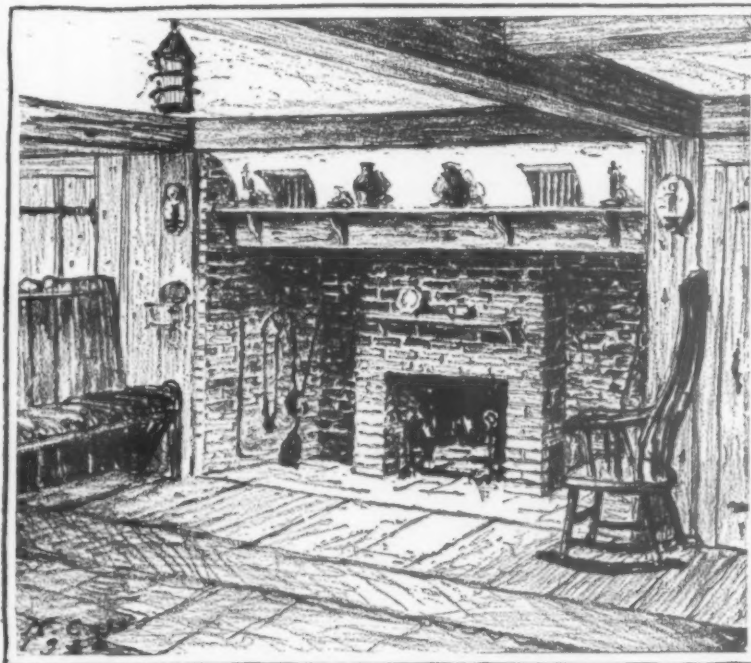
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A Better Fireplace



For Less Than \$25 Extra*

The fireplace shown above, by Walter B. Kirby, A. I. A., is one of a series of designs by eminent architects, showing fireplaces that combine the practicability of modern Heatilator construction with the charm of period inspiration. To his sketch Mr. Kirby appends this illuminating note:

"The fireplace is the center of family life. However small the allowance for the rest of the house, I think enough should certainly be spent on the fireplace to make it homelike and thoroughly practical. On that basis the fireplace shown in my sketch, which most people would expect to find only in a costly home, could in fact be reproduced in homes whose total cost was only a very few thousand dollars.

"I think that the Heatilator serves a long-felt need, in assuring flawless construction by the mason, smokeless operation, and a very desirable source of extra heat. As the Heatilator combines in one unit, parts that would need to be bought anyway, for a fireplace of old style construction, the apparent extra cost of using a Heatilator in my fireplace is largely offset by actual savings in materials and labor."

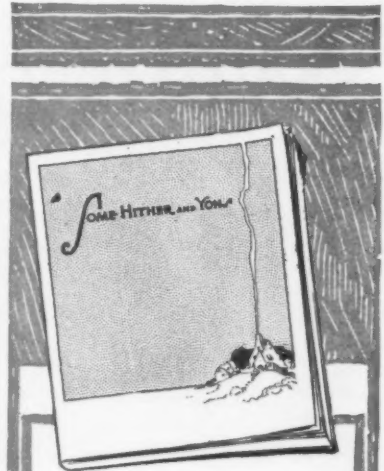
*The use of a Heatilator rarely adds more than \$20-\$25 to the cost of an ordinary fireplace—and absolutely assures proper construction, good draft, freedom from smoke, and double heat from same fuel. We guarantee satisfaction. When you buy, build or rent, be sure of having a Heatilator fireplace. Mail coupon for complete information.



The Heatilator is a double-walled form around which the fireplace masonry is laid. It is a complete unit up to the flue and is made in a wide range of sizes. Smokeless operation is assured with any type of fuel. The double-walled chamber which surrounds the fire takes heat ordinarily wasted up the chimney and sends it back into the room. A and B show openings for cold and warm air respectively, which are connected with intake and outlet grilles, placed to conform with any fireplace design.

Heatilator Fireplace Unit

HEATILATOR COMPANY, 512 E. Brighton Ave., Syracuse, N. Y.
Please send me particulars without charge or obligation. We plan to build.....remodel.....which?
Your name.....
Address.....
Architect's or builder's name.....
Address.....

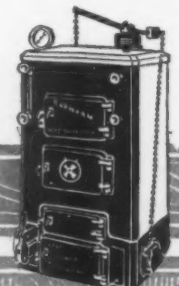


A Letter from Benjamin Franklin that Will Interest You

RUMMAGING around in an old Chester home garret, the owners came across an ancient hair cloth trunk, containing some letters of Benjamin Franklin to its former owner, dead these 150 years.

One of the letters had a considerable to do with thrift (as you would expect of Franklin). Two pages in fact, were given over to his invention of a stove which he claimed "gave off plentiful heat from a surprising little fuel."

Which statement was what started this Hither and Yon Book on present-day fuel thrift and heat contentments. And how to have them both. It tells further about Franklin's letters and then sort of sits down with you and in a friendly way, chats over how best to get the most heat from the least fuel. Might save you money. Then again it might not. But it's worth sending for the Hither and Yon Book, just to find out. Costs you nothing. Asks nothing of you.



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 is Largely a Matter of
GLASS QUALITY

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 J. Duncan Hunter, Architect
 New York
 Glazed with
 Libbey-Owens-Ford Glass

In home planning, today, windows are receiving unusual attention, for they contribute more to making a home truly beautiful and truly livable than any other single factor . . . ¶ But to achieve the utmost in window beauty it is important to select only the highest quality glass. It is for this reason home builders and architects are accord-
 ing an overwhelming preference to Libbey-Owens-Ford Glass, today—just as they have for over fourteen years. Libbey-Owens-Ford Glass possesses a rich, sparkling lustre of rare and permanent



beauty—it is truly flat and exceptionally clear . . . ¶ To make sure the windows in your home add everything possible in the way of charm and beauty, insist that they be glazed with Libbey-Owens-Ford “A” quality glass. For your identification and protection, each light bears the familiar L-O-F label—an emblem that has always signified the utmost in window glass quality.

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 Manufacturers also of Polished Plate Glass, and Shatter-proof Safety Glass
 CONSULT YOUR ARCHITECT

LIBBEY · OWENS · FORD
FLAT DRAWN CLEAR SHEET GLASS



Dana B. Merrill

LUNCHEON LOVELINESS

The effect of exquisite charm in this table setting is the result of selecting the correct silver and other appointments as explained in Mrs. Post's article on the following pages. (Silver, The Watson Co.; china and glassware, Gilman, Collamore & Co.; linen, Mossé, Inc.)

Since the publication of her book on etiquette Emily Post has come to be the recognized authority on customs and manners both in the home and out. To give our readers the benefit of some friendly, sensible advice the Editors asked Mrs. Post to write something on table setting and silver. It is with great pleasure that we present her wise and readable article.—*The Editors*

The etiquette of silver

Important points in its selection and use

EMILY POST

TWENTY-FIVE years ago the dining room of a well-appointed house looked like a silver shop exactly! Every piece owned—barring meat platters and gravy boats—joined the parade. Sideboards and console tables were crowded with silver trays, dishes, tea sets, and candlesticks. In houses of importance, tall glass cabinets displayed more dishes, tankards, covered cups, and pitchers. Most of these pieces were of great size which was further accentuated by an exuberance of outline, every cove and bay of which was crowded with repoussé scrolls and flowers. Some of it was, and still is, beautiful. But, as a whole, the dining room no less than the fashionable dinner table was loaded with too large, too ornate, and too much silver. After the plates and glasses and floral decorations were put on, Apostle spoons, or Dutch ones laid criss-cross, were dragged into service to hide any possible patch of damask that might show through. And at each place the array of spoons, knives, and forks appeared like the companies of a battalion.

At the present moment we have gone to the opposite extreme. The amount of silver in our dining rooms is limited strictly to a few objects of decorative value, carefully chosen and placed. The rest of our silver—whether we have little or much—is wrapped up to keep it from tarnishing and put away in safes or closets, and taken out only when it is to be used. Even the objects which are chosen for the most lavishly appointed table are limited to the essentials of conventional table setting. All non-essentials are omitted.

Before considering which style or design to select, let us first consider what silver we *must* have and what silver we may almost equally well do without.

We must have spoons, knives, and forks to eat with, and these should be of silver. The amount of flat silver that each of us must have depends obviously upon the number of people we are likely to seat at the table, and upon the number of courses to be served, and what these particular courses are to be.

If you intend to give dinners for twelve or more, you must, of course, have twelve or more of each variety of implement which you are to use. If there are never to be more than six or eight at table, then your maximum requirement is six or eight implements for each course or accessory that you serve. A certain few of these implements can on occasion be made to do double service by being washed in the pantry, but I should strongly advise complete equipment. If necessary I should get the pieces used only on occasions in plate, which is entirely satisfactory. In the following list all pieces marked with an asterisk are those which should be of sterling (if you are buying sterling), the rest might be of less valuable metal.

Taking eight as a typical number to which you may add or from which you may subtract according to your personal requirement, the complete list of flat silver for the proper service of dinner follows. Put an asterisk in front of any item that you use every day, or take it away wherever your own custom disagrees with my selection.



An attractive start for an informal luncheon in a small household. (Mossé linen, Towle silver, and Fostoria glassware)



Photographs by Dana B. Merrill

The amount of silver necessary for the proper equipment of a household depends upon the number in the family and how many are to be entertained at a time. At the left is a charming breakfast table with a jade green and white cloth and glasses of crystal with black stems

*8 *dessert spoons*. (16 if you serve soup in wide bouillon cups or Chinese bowls.)

*8 *after-dinner coffee spoons*.

To this dinner list must be added these lunch and breakfast items:

*8 *teaspoons*. (To be used for tea or coffee in a breakfast cup—or for bouillon at luncheon if your bouillon cups are small.)

*8 *butter knives*. (Bread and butter plates which include the use of bread and butter knives—never called “butter-spreaders” outside of a silver manufacturer’s catalogue—have no place on the table of a dinner of ceremony, but at any dinner of eight or less, bread and butter plates are at present in fashion.)

*12 *iced tea spoons*.

THE only additional items necessary for the service of dinner or luncheon are pepper-pots and salt-cellars—a pair between each two places—and a silver serving tray for each servant who waits at table. In a house without servants, serving trays would be omitted, as would the implements for any courses that are not to be included in your menus.

Centerpiece, candlesticks, candy dishes, silver platters, and serving dishes, afternoon tea service and tea tray, and after-dinner coffee service and tray are additional items indispensable to the complete equipment of a house of important size. But in a little house glass or china may equally well take the place of silver as

one or all of the objects necessary to the properly equipped house or table.

The decorative objects are three in number:

A centerpiece. (This may be a silver bowl for flowers—or since this necessitates a perpetual supply of flowers, the majority of tables in winter display an urn with a top, or any other ornamental piece that can be filled with flowers for a dinner party and have a cover for the family alone during the few garden-bare months of the year.)

Four candlesticks, or a pair of candelabra. (Personally I prefer the latter because the purpose of candles is to see by to eat and, although quite correct, the former are not too helpful in finding fish bones or other objects which we like to avoid when we can. Two candles are decoratively inadequate even

8 *oyster forks*. (If you serve oysters, clams, or shell fish.)

8 *orange spoons*. (If you habitually serve fruit cocktail.

Even so, this item is unnecessary since teaspoons are equally suitable.)

*12 *tablespoons*. (8 for soup, 4 for serving spoons.)

*16 or 24 *small forks*. (Or subtract 8 of these and add 8 fish forks, sometimes called salad or dessert forks, but used for fish, entrée, salad, and dessert. Those for fish or entrée could be washed in the pantry and used again for dessert, but it is much better to avoid this if you can.)

*16 *silver bladed knives*. (Or subtract 8 and add 8 fish knives—8 for fish and 8 for salad. If you have the American prejudice against the salad knife, then get only 8 knives for fish, and avoid serving such knife-needing items as hearts of lettuce, Camembert cheese, etc.)

*12 *large forks*. (Called dinner forks. 8 for the meat course and 4 for serving forks.)

*8 *large sharp steel-bladed dinner knives*. (For meat.)

Here and on the facing page are shown the various pieces of flat silver with the number of each that is advised for the well-equipped home. The pattern is Dolly Madison. (Courtesy, the Gorham Co.)



The pale green cloth of this dinner table makes a soft background for the attractive appointments. A formal dinner calls for more silver than is required for the everyday needs. Just how many pieces are necessary for various occasions is explained in the article

on a table of smallest size, and leave us in utter gloom unless the room be brightly lighted otherwise, in which case the candles serve no purpose.)

Four compotiers and nut dishes if you like. (On a long, narrow refectory table, or on a small table set with candelabra, two silver dishes for ornamental sweets are enough. But on a square or round table and for a lunch table—which should have no candles—there should be four silver candy dishes.)

The above list with the flat silver, salts, peppers, and sometimes nut dishes complete the formal dinner table. The lunch table is exactly the same except that candles are omitted.

The difference between a dinner and a supper table used to be strictly drawn. The dinner cloth was of damask. Napkins were a yard wide. Butter plates no less than cups and saucers were taboo. At present the typical dinner table is quite likely to be set with runners or mats of lace and embroidery—or in modernistic houses, a table completely bare—and butter knives on little plates are seen often as not at dinners of eight or less.

The two surviving distinctions which define our evening meal are these: at dinner soup is served in a soup plate, and eaten with a tablespoon, and all cups and saucers are taboo; at supper, soup is served in a bouillon cup, and tea, coffee, or chocolate is served at table. In many houses that specialize in suppers, the silver tea service is put in front of the hostess who pours whatever the beverage—or beverages—may be.

Soup served in soup plates may not be eaten with a dessert spoon. If tablespoons are not included in your silver list, soup should be served as at lunch in large bouillon cups or Chinese bowls and eaten with dessert spoons. If cups are very small, teaspoons are used instead of dessert spoons.

The orange spoon is an extra, since the teaspoon takes its place, but the iced tea spoon is a necessity if you serve iced tea or coffee in glasses so tall that the handle of a teaspoon sinks below the rim. Otherwise these long handled spoons are not necessary.

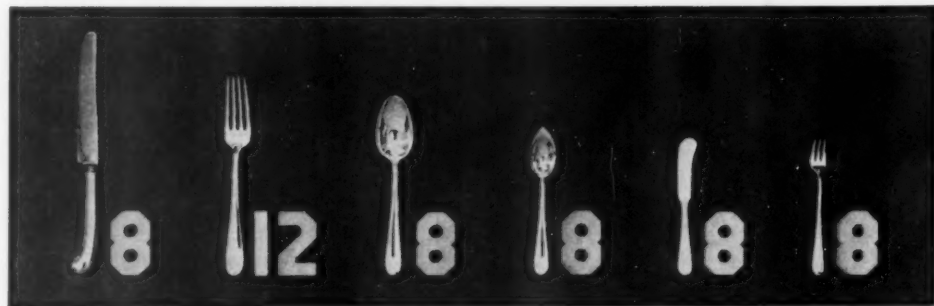
Among the items included in all lists of the manufacturers of silver, but which can be crossed off if necessary, are fish



knives and forks. Fish knives and forks are entirely good form and advisable if your list is unlimited—and if you like them. My own personal preference is for small knives and forks that are all alike, and may be used on all occasions especially at teas and buffet suppers, and not merely bought and kept polished for no food but fish.

An implement that in the majority of designs proclaims hotel flatware rather than the small silver of a perfectly appointed house is the round bowl bouillon spoon. Unless your silver is genuinely antique, or a faithful copy of a round bowl period, oval bowled dessert spoons are in best taste in any household.

Perhaps I should qualify this. There is no objection to the round bowl because it is round. The prejudice against it is because it is more than often expressed in bad design and quite likely as not finished in a "platinum" surface, that abomination against the craftsmanship of beautiful silver. Brushed brass or (Continued on page 380)



Left to right: after-dinner coffee spoon, teaspoon, dessert fork, iced tea spoon, dessert knife, table spoon, dinner knife, dinner fork, dessert spoon, orange spoon, bread and butter knife, and oyster fork

Little things that make for leisure

An authority writes on labor-saving devices

L. RAY BALDERSTON

IT HAS been my experience that many of the gadgets presented to the American housewife under the heading of labor savers are more complicated and more inefficient than the old-fashioned articles which they are designed to replace. For instance, to name only one instrument presented by a hopeful manufacturer, I have tried out an orange squeezer that is an attractive little affair of gears and brightly colored enamel. In operation, I find it requires more effort than the ordinary glass or enamel squeezer which is devoid of gears and, worse still, it does not extract the juice so completely.

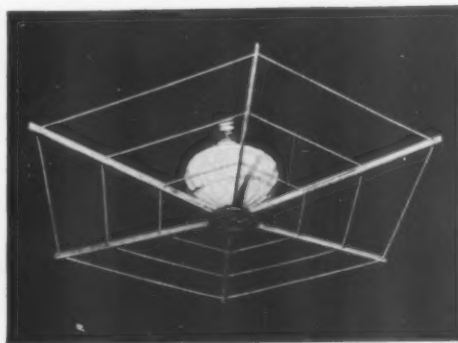
On the other hand, there is a large number of new devices too numerous to include in this article, which are really life savers (that is, time savers) for the American home. Some of these that I have experimented with for a number of years in my laboratory I shall describe for you.

Let us begin with one which is not really a gadget or a contraption in any sense, merely a good idea that has come into widespread use, but which needs further recommendation: namely, the specially prepared paper—now easily obtainable for cooking purposes. It is, to be sure, only waxed paper, but never-the-less it is a great labor saver as it reduces the washing of pots after meals. Furthermore, it conserves the flavor of the food and retains its nourishment. The paper comes in heavy rolls and is wide enough to cut a full square so that it will act as a container for six or eight potatoes, two quarts of peas, or a good-sized piece of fish or meat. The paper should be used as follows: Wet it in cold water until it is soft, lay the food in it, add butter and seasoning, and then tie a soft string or narrow tape around the bundle. There must be room for expansion, so do not overcrowd the paper. Put the whole dinner—vegetables and the meat or fish, each tied in a separate bundle—into a kettle of boiling water with the tufts of paper sticking up so that the bundles might be lifted out at the end of the cooking process without piercing the paper. The food requiring least time for cooking is put into the kettle last. When the cooking is finished, wash off

the paper and hang it up to dry. Steaks, chops, or fish, may be broiled in the folded paper but that paper may not be used again as it becomes charred under dry heat.

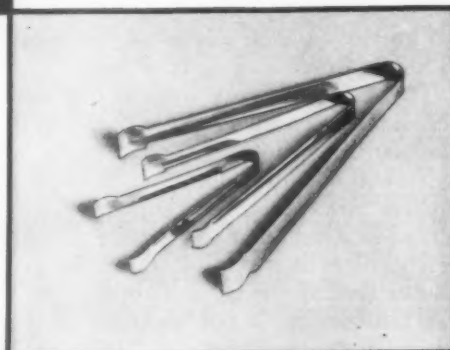
A set of three—graded in sizes—extremely useful steel tongs called "Pom" tongs are a great help in the kitchen.

They have a variety of uses such as picking up baked potatoes, hot ears of corn, or soft boiled eggs, removing milk bottles from a sterilizer, or handling small pieces of ice. The large-sized tongs, among other things, may be used with a wad of toilet paper to clean the flush closet. All in all these tongs will prevent many burnt fingers and spilled dishes.

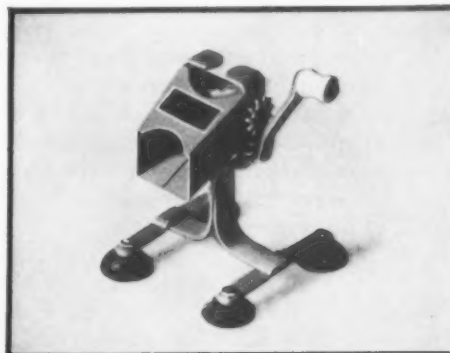


Courtesy, Electric Rotary Dryer Corp.

This indoor clothes dryer is combined with the lighting fixture and each may be used separately or both at the same time. The dryer is operated by an electric motor which causes the arms to whirl around, thus drying the clothes

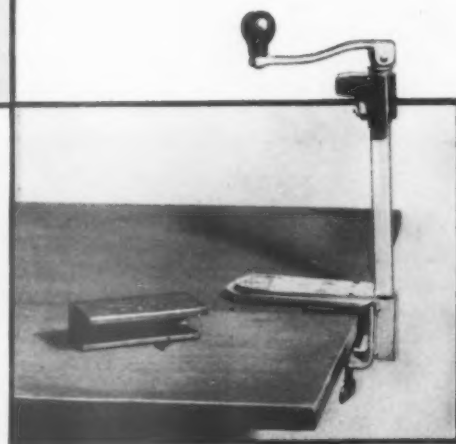


Kitchen tongs which come in three sizes may be used for many purposes such as picking up baked potatoes, hot ears of corn, or soft boiled eggs, for removing milk bottles from a sterilizer, or for handling small pieces of ice



For shelling peas this little device is very practical and truly a time saver. The pea pods are fed in through the rollers; the peas roll out and the pods drop into the pan. (Three photographs courtesy, Lewis & Conger)

The can opener at the right cuts the entire top of the can off smoothly. The black rubber fold beside it is shaped to fit over the edge of an enameled table and acts as a protection when clamping on a food chopper



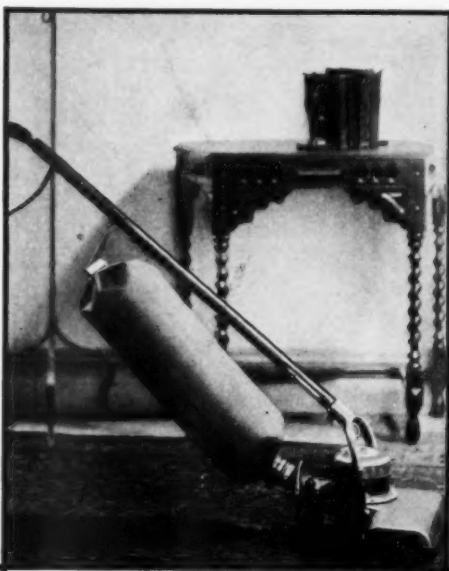
All gloves that are cleaned at home look better if they are stretched to shape. Chamois gloves are easily washed even if they do require pulling and stretching while drying, but if one has a form of the right size the gloves are automatically shaped to fit. A few drops of olive oil in the rinsing water will help to keep the chamois soft. The glove stretchers are enamel painted, they are inexpensive, and will prolong the life of the gloves.

Thus the cleaning of gloves suggests further aids for cleaning clothes. There is obtainable a small dry-cleaning apparatus that will clean a dress, two or three curtains, or a supply of neckties. It is a rectangular drum with a tight-fitting top that clamps down against a rubber flange, like a fruit jar. The fluid that is to be used with the outfit is a grease solvent. It is non-inflammable, is used like water, and cleans without risk. Experiments have shown that six dresses of crêpe and voile can be cleaned with a gallon of cleanser. This can be done best by beginning with the light colored garments first. Put them in the can, saturate them with the fluid, close up the can, and turn the handle of the device for five minutes. By rotating the can with several revolutions in one direction, then reversing it, the gar-

ment is tossed in the fluid and the grease solvent removes the stains. Rinsing in clear fluid is always wise, and the rinsing liquid can be used for the next cleansing. The used liquid should be allowed to settle over night, and the clear top may be used again. Soap and water used with this device makes it a splendid washer for stockings and underwear.

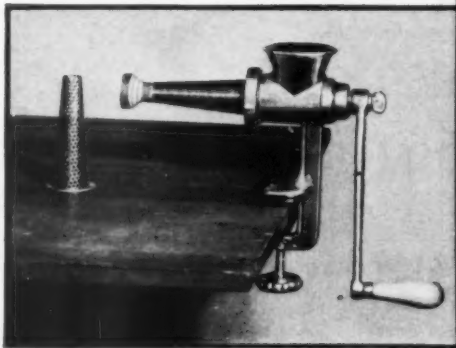
It has often been said that women cannot sharpen a knife. This is no longer true, for there is manufactured a little device for sharpening knives that will prove a boon to the housekeeper. It consists of a circle of carborundum mounted between two steel discs. All that one needs to do is to pass the knife first on one side and then on the other of the revolving roll. It couldn't be easier.

A pea sheller that saves the fingers and untold time and labor is an addition to any kitchen. A new pea sheller that is extremely practical has four rubber suction cups which hold it to the table. The pea pods are fed in through the rollers; the peas roll back to the worker and the pods drop into the basket or pan.



Courtesy, Sani-Sack Co.

To eliminate the need for handling dust and dirt when emptying a vacuum cleaner bag one may now use a paper-cloth bag which is cheap enough to throw away after use. It may be attached to any make of cleaner



The device above which grinds food and sieves it at the same time is a decided asset in homes where babies or invalids need special diet. It removes seeds and skins. (Three photographs courtesy, Lewis & Conger)

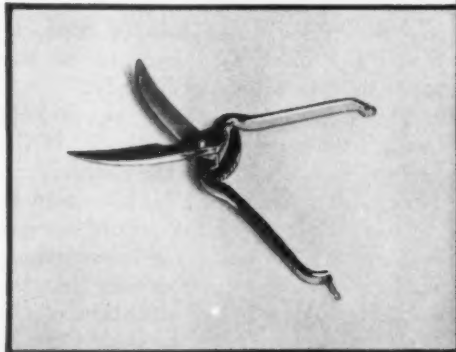


AN AUTOMATIC skirt marker is a wonderfully efficient aid for home dressmaking. The old method of hanging a skirt by stacking books on the floor to mark the length of the skirt is no longer necessary. With a new skirt hanger the desired length of the skirt is marked on the yardstick and then a whiff of powder makes a line just where the fold is to be. This is an automatic marker where powder takes the place of pins. The powder, of course, is easily brushed off.

A clothes dryer for rainy days does double work—it dries and lights the kitchen, too. The motor has a double switch that makes it possible to use the light or the dryer as desired or, if needed, both at the same time. It is generally fastened to the ceiling with the light as a dome light and when in use the arms whirl around, drying the clothes. When not in use, the umbrella-like sticks for holding the clothes fold up, and the clothes-line being soft, the dryer is easily put away in a small space.

A grinder that sieves and grinds at the same time is an unusual but welcome device. Such a contrivance takes out seeds, skins, and even particles of gristle. It should be of importance in homes where babies or invalids need special diet. It strains through stainless steel revolving sieves, and will even remove strawberry or cranberry seeds.

The housewife always fears clamping a food grinder or can opener to an enamel table, but for a small sum she can now purchase a soft black rubber fold that is shaped to fit the corner. It literally folds about the glass or enamel table and is so deep that any clamp is held (Continued on page 380)



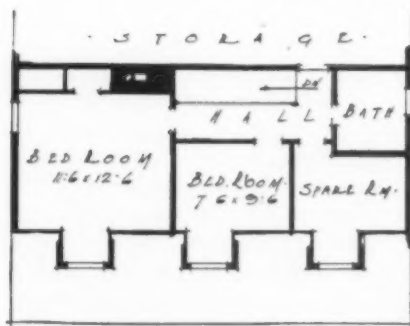
No longer can it be said that a woman cannot sharpen a knife, for this knife sharpener (above) makes the task very easy for her. To use it, merely pass the knife first on one side of the revolving roll and then on the other

For disjoints poultry this pair of clippers is perfect. Not only is it a useful accessory to the carving set in the dining room, but oftentimes in the kitchen in the preparation of a fowl before cooking it is invaluable



C. C. Merrill, architect

There are no substitutes for a white picket fence, a bit of lawn, some shrubs, flowers, and a house that shows the beauty of good workmanship. An owner does not ask for beauty, "or equal." Floor plans of this attractive house in Larchmont, N. Y. are shown below



"Or equal"

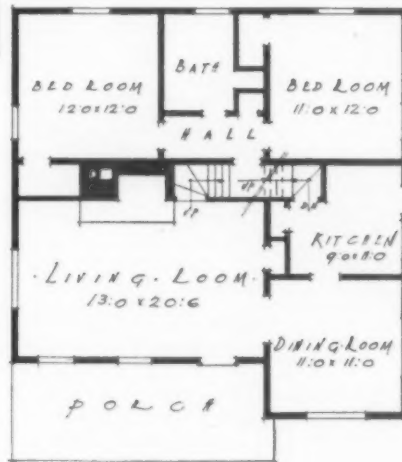
The joker in your specifications

HENRY HUMPHREY

IT HAS been common practice for many years to confuse the identity of materials mentioned in architectural specifications by adding, after the trade name of a product, the phrase "or equal." For instance, an architect and an owner agree on Blank & Sons' pipe for a certain house. The architect specifies "Blank & Sons' pipe, or equal," or he may use a variant phrase: "or equal and approved by the architect;" "or approved equal." By doing so he permits the contractor to substitute some other make of pipe if the contractor can prove that it is just as good.

Why does the architect permit the contractor to alter specifications which have already been approved by the owner? According to a number of competent architects some of the reasons for this unwise practice are these:

1. "It would be quite impractical to give a complete list of acceptable substitutes for building materials."



2. "The architect might otherwise be thought to be in league with the manufacturer."

3. "The location of the house may make it more difficult or costly for the contractor to obtain the specified material."

4. "It brings into the field good products that would ordinarily be unknown."

5. "It does not eliminate competition and thus cause the owner to pay more than he would ordinarily."

The first two reasons we do not think are of great importance. If the architect wishes to give the contractor a

choice of products he may list three which he knows to be up to standard. If the contractor cannot secure service from one of these three manufacturers there is something so wrong with the contractor or the manufacturer that the matter should at once be brought to the attention of the architect. An architect whose reputation is such that he

may be thought to be in league with any manufacturer should not be retained to build a house.

The third reason is closely allied to the first. The architect and owner have a right to expect thorough coöperation from the contractor. If he is not equipped to supply the desired materials he should not be allowed to bid on the work. Of course, in this case as in every other one mentioned in this article there are exceptions. It is possible to imagine a small house being built in an out-of-the-way place by a backward contractor who needs every sort of assistance. We are discussing in this article general conditions, particularly those which obtain in the suburban areas of our larger cities. Generally speaking, we do not favor concessions to contractors. Too many fly-by-night builders have cost too many prospective home owners large sums of money. Reputable contractors who have big investments in their businesses are as solicitous of the owner's interests as are architects themselves.

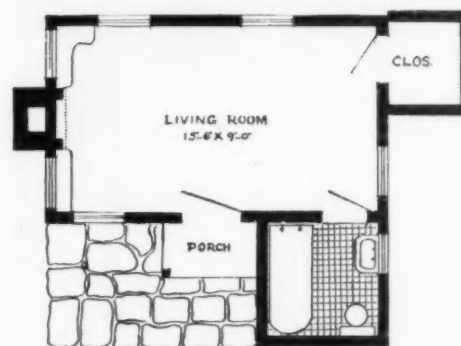
THE fourth reason, that "or equal" may reveal some good "unknowns," is somewhat allied to the third. Again the architect stresses the importance of the contractor. The fact of the matter is that the architect is supposed to be in constant touch with developments in the building materials field. The owner consults with him, not with the contractor. If the architect passes the decision on specifications to the contractor he yields some of his power and importance and he is certain to suffer by the transfer. The architect is safe in waiting for "unknowns" to make their own reputations.

As for the fifth reason, opening up competition, this we feel is the nub of the whole matter. It is a difficult one to erase from the

architect's mind. Through the years the law has recognized the architect as a sort of referee in building operations. He has the authority to act as judge between owner and contractor. It is with some feeling of this power that he regulates the distribution of building materials. He seeks to assure fair play to his clients, fair play both from the contractor and the manufacturer. We question whether his attempts at regulation of building materials merchandising is either well advised or successful.

The architect will tell you that if he gives the contractor the right—by the use of the phrase "or equal"—to offer an acceptable substitute he is protecting his client's pocket-book. In the first place, he says, if only one product is specified the manufacturer will take advantage of this fact and charge a higher price for his material than if the competition were open. Furthermore, the architect says, building materials firms are not above bargaining. If one product is specified and an acceptable, but cheaper, substitute is presented, the contractor can go to the representative of the specified product and ask him if he will reduce his price to the level of his competitor's. According to architects and contractors building materials firms will often cut prices if approached in this way. (Continued on page 384)

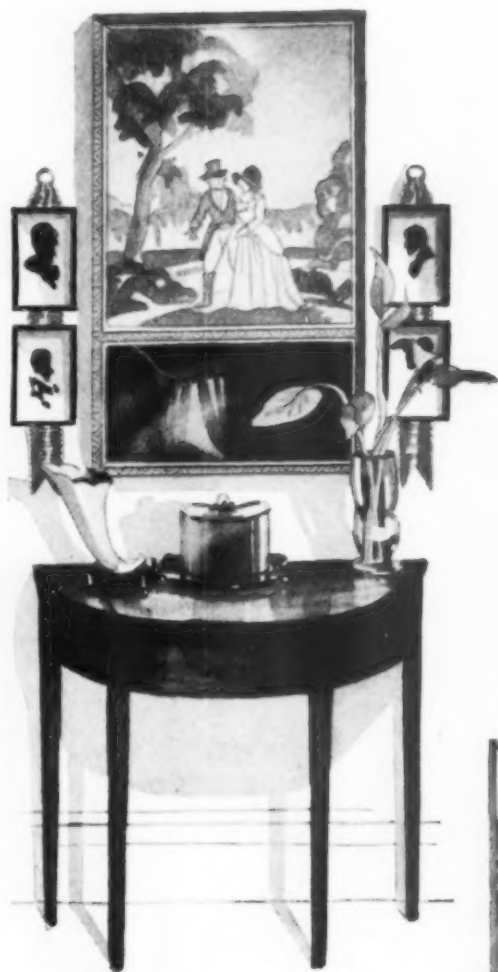
Guest houses are becoming increasingly popular. If there is not room in the house or one wishes to offer a guest perfect privacy one may tuck a little guest house under an apple tree in one corner of the grounds as has the owner of this guest house in Larchmont, N. Y.



Photographs by Costain

Belmont H. LaRue, architect





Among the strictly decorative mirrors there is none more pleasing than this style so well known in France and England. It is a pleasing combination of color of the print or painting and cheery sparkle of the mirror unified by a single frame

To lighten a dull or uninteresting window, shelves of mirrored or plain glass may be used and filled with colorful pieces of glass or pottery



The reflecting beauty of mirrors cannot be placed any more delightfully than as a backing for a corner cabinet, reflecting the beauty of the colorful glass and china before it. It serves to increase the depth of a narrow closet and makes that dark corner a bit of sparkling brilliancy

THE ALL-PURPOSE MIRROR

Sketches by Lurette Guild



Serviceability carried to the utmost in a mirrored table top so that no longer need we worry about unsightly rings of spilled beverages



A simple dressing table box becomes a scintillating gem of light when it bears a mirror top and sides in small panels. (Right) The sparkle of prismatic crystals of mirrored glass makes a delightful flower holder

White magic with mirrors

Designing jewels for your decorative schemes

LURELLE GUILD

WHILE many uses of mirror appear to be purely decorative, we shall find if we study them with care that behind their ornamental use lies a practical purpose. It is a well-known fact that a very diminutive room takes on greater proportions when a mirror is skillfully placed at a strategic point on one wall. We also know that a dark corner assumes new life from the prismatic sparkle of a mirrored sconce or urn. And too, a bit of mirror in a carefully studied position does for an almost perfect setting what a rare gem does on the hand of a beautiful and faultlessly dressed woman.

In making any article of mirror it is necessary to learn to use a glass cutter. These may be procured from any hardware store and will last indefinitely if given some care. They are used in the same fashion as a knife in cutting cardboard or heavy paper and the matter of obtaining proficiency is merely one of practice. Try your skill on small pieces of glass of any quality and when you have mastered the tool work on your mirrored glass. Enough pressure should be put upon the cutter to make a firm line in the glass. If this line is clean and deep a slight tap of the sheet of mirror upon the edge of a table will break it off clean where you have cut. If small bits of jagged glass cling to the edge this is due to an uneven pressure of the cutter on the line. They may be snapped off with the grooves at the side of the cutter which are provided for this purpose.

In making the bureau box illustrated on the opposite page the small bits of glass for the sides are cut to fill the spaces according to the dimensions of the box which you are using. They may be glued, if necessary, but it is more practical and serviceable to use cement. This will need several days to set thoroughly but insures permanency when dried. The large mirror which forms the top of the box may also be cemented in place or may be held by attaching with a narrow molding. The latter method makes a better finish.

If desired, the inside may be lined with strips of mirror cut to fit the box and the seams covered with a soft silk braid, held in place with glue, thereby preventing any rough or unsightly edges.

In making the flower holder, cut small squares of glass and glue or cement them to the container which you are using. If the sides of this container slope noticeably diminish the size of the squares for each row from top to bottom. This will

preserve the upright lines of the joints despite the slope.

For a table top there is nothing quite as serviceable as glass, be it mirrored or plain. A small molding which may be purchased at any lumber yard will hold the glass in place. Be certain to get a molding sufficiently deep to give a good overlap on the glass. The corners should be mitered and the outside edge of the strip of molding kept flush with the

edge of the table top for this insures protection from moisture seeping beneath the mirror and staining it. Paint or finish the molding to contrast with or match the rest of the table.

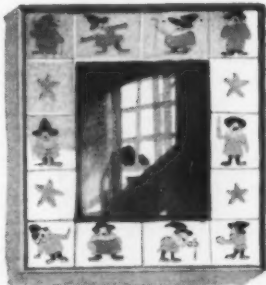
In working on the mirror-backed corner cupboard, you may or may not find it necessary to remove the shelves before you begin. If you use care in making the measurements it is quite possible to get the glass in place with the shelves left in. Where possible, use a single piece of mirror for each plane between each shelf, but in case you are utilizing odd pieces of mirror which you happen to have, try to keep matching seams the full length of the cupboard. Set the mirror in place and brace carefully until it is thoroughly dry. Do not try to do too large a section at one time but rather work slowly and gain more satisfactory results. In this case the mirror may also be held firmly in place without cementing by attaching with a narrow strip of molding at the top and bottom of each shelf.

THE nursery mirror illustrated on this page will be a joy forever to the younger members of the family and is simply made. In fact, the pictorial border may be added to any mirror which you now have in use. Remove it from the frame and place with back up. On the back lay in position the pictures that you intend to use and mark off with a pencil line the area which they fill. Then place a straight edge against the line and, with a razor blade held straight up and down, carefully scratch off the silvering. Work slowly at this process so that the glass when you reach it is not scratched. Wash off and dry and place the pictures in position on the clean glass. Holding them where you wish them to be, carefully run a coat of shellac over the back joining each two pictures as you reach the edge so that none of the shellac gets onto the clear glass. Allow it to dry while lying in a flat position, then replace in the frame.

The picture mirror is most popular to-day for it is one of the most decorative units in the home. Its use in a console group is well known, but it also has great possibilities in other arrangements where decorative quality is needed more than actual serviceability. The print or painting, as the case may be, is framed with the mirror in a simple molding, a continuation of which marks the division between glass and print.

TO lighten a dull or uninteresting window, shelves of mirrored or plain glass may be placed on a line with the muntins, or pleasingly spaced in the event of an unbroken sash and filled with colorful pieces of glass or pottery. This arrangement is most successful where color is prohibitive.

When the view from your window is unsightly or too close to a neighboring building, the actual panes of the window may be replaced with mirror. This gives a sparkle of light which with the reflecting quality of the mirror makes an interesting and cheery spot in your room.



For the nursery mirror decorative prints may be utilized



Richard Averill Smith

A delectable and easily prepared accompaniment to a soup course is bread buttered thinly, cut in various shapes, toasted delicately, and spread with peanut butter or something that will add tang

Some new ideas for bread and soup

The decorative possibilities of the staff of life

RACHEL DUNAWAY COX

IF KING Cole had been lucky enough to have that bowl of his once filled with soup in the modern American manner, he surely would have said the next time his cup bearer approached with the kingly beverage, "Take away that mead, varlet, and fill up the bowl with piping hot soup. And, sirrah, float upon it some of those cheese croutons that delighted the royal palate yesterday!" Certainly he would have felt that way if the day had been February with icy gales whooping down the castle chimney.

Just so we felt the other day when we made the acquaintance of a delicate mushroom soup, made, we discovered later, by a simple turn of the wrist. Our soup was accompanied by brown little buttery rye rolls and not the least of the charms of this soup, as of any other, lay in the tidbit of pasty that came with it to the table. Hostesses and housekeepers who delight in

the nuances that make all the difference between just plain cooking and the art of cookery will be interested in looking through bakery windows afresh with that in mind. In almost any small town a good bakery offers a far greater variety and range of bread possibilities than the lady of the house realizes as she pursues the routine of her ordinary day. White bread and whole wheat get to be the burden of the bread line most of us use, and a change to potato or rye or pumpernickel is a real event in family history.



To make little cheese rolls first cut thin slices of bread the long way of the loaf. Spread each slice thinly with butter and then with a cheese mixture. Roll and tie with tape or twine



After the cheese rolls have stood in the refrigerator for twelve hours, the second step is to slice them about one quarter of an inch thick. Lay them carefully on a cookie sheet and place them in a hot oven to brown

No better opportunity presents itself for using the resources the bakeries put at our disposal than the soup course, for endless little wrinkles of the culinary art can be employed here to make the breads of all nations appropriate. Care must be taken to suit the cracker to the soup, for, as will appear with a little experimenting, a heavy "go-with" is not good to serve with a thick cream soup or a gumbo that has been laden already with all that it can carry.

The mushroom soup and rye rolls that proved such a success as a luncheon starter one cold day recently, hit the happy medium. Creamy and rich, though not heavy enough to be a regular cream soup, it was just exactly set off by the crisp rye dainty. The soup had been evolved from an imported soup tablet, the like of which may be bought in most good grocery stores, and the rolls were made from the bread that comes in long round topped loaves baked without the caraway seeds. It is important that there be no caraway seeds, unless the family is irreconcilable without them, in which case the wise cook will give way to popular pressure. The bread must be sliced very thin, trimmed of crust, and buttered carefully on one side. When the desired number of slices have been made, they are laid together and wrapped in a cloth wrung out of hot water and allowed to stand for several hours. Then every piece is rolled up to produce a delicate cornucopia and the little cone gently secured with a piece of string. Lay the rolls under the broiler with a medium flame

Twisted, whole wheat, rye, French, white bread, and bread sticks are but a few of the varieties of bread with which the bakeries tempt our palates. With such an assortment there can be no excuse for monotony in serving the staff of life

burning, so that the cones dry out as they become brown. The butter permeates the slice and when the rolls come out of the oven they will keep their shape after the string is removed. Piled on a plate or served two to a guest, they are quite attractive.

When the soup is a vegetable mixture with a clear base, as some of the very best of the canned vegetable soups are, plain or whole wheat bread may be sliced to a quarter of an inch thickness, buttered thinly and cut out in the shape of flowers or, for the children, of animals. Regular cutters or even gelatine molds are used for this operation. The slices are then toasted delicately so that they hold their shape in the fingers. A thin spread of fresh peanut butter can be laid over the toasted bit very effectively. If caviar is liked and the exchequer will allow it at the moment, the barest suggestion of it spread over the wafer adds tang to a soup course.

PRETTY on any table, whether the occasion be formal or a simple family dinner, are little gold and white cheese rolls. As with rolled sandwiches, an absolutely fresh loaf of bread is necessary. This is best with the long square sandwich loaf from which the crust can be entirely removed without much loss of bread. After the crusts have been laid back, slices a little less than a quarter of an inch thick should be cut the long way of the loaf. Each sheet of bread will be about four inches wide and about twelve inches long. Spread every slice thinly with butter and wrap them all in a damp cloth. In four hours, remove the slices and spread them with a medium thickness of a cheese mixture that has been made up in the meantime. Best for this mixture is a package of soft snappy cheese which is mashed with a fork until creamy. (Continued on page 410)





The ensemble idea in bedding is here carried further than usual. The wool filled comfortable and matching spread are both of the same block printed sateen with contrasting borders, beautifully tailored. (Courtesy of Palmer Brothers)

From springs to spreads

Comfort expressed in terms of beauty and good quality

ELIZABETH MACRAE BOYKIN

REST cannot be bought in a store and no one knows how to make it. To induce revitalizing sleep "that knits up the raveled sleeve of care" we can but give ourselves the most comfortable of beds and a serene and pleasant room. Thus does the dominant piece of furniture—the bed—assume the responsibility for the comfort as well as for the charm of the bedroom, and the decoration turns to tranquil themes and to calm, quiescent colors.

We can make our own beds as comfortable as we like, and—thanks to the excellent standard of recognized brands of bedding—we usually lie upon them for a good many years, so it behooves us to plan the bedding ensemble with care. In the selection of certain things for the house, one can afford to experiment a little, but the length of service to be

expected from good sheets, blankets, comfortables, mattresses, and springs puts them definitely in the class of permanent investments not to be purchased impulsively.

When the color scheme of the room has been selected and the type of decoration decided, the bedding ensemble may be planned, and it is economy in the long run to allot to it a generous share of the budget. The bedspread generally serves as a keynote for the rest of the bedding since it has been included in plans for the entire room. It is usually more effective to have the blankets and sheets contrasting—for instance, orchid blankets with white sheets, white blankets with rose sheets, or jade blankets with white sheets bound in scallops, repeating the color in the bed spread. Comfortables may be keyed to match either the spread or the blankets,



Twin bed ensembles which carry their color harmony through trimly boxed springs, mattresses, sateen bound blankets, silken blanket cover, and handstitched comfortables with an accent of snowy white sheets. (Courtesy of The Simmons Company)

while the mattress and springs (if of box construction) should be covered with the same pattern of ticking and of a shade harmonious with the ensemble.

From the top of its smooth coverlet, a bed appears to be a simple combination of obvious parts, but it actually represents innumerable selections and decisions. The foundation of a truly satisfying bed is good springs, and this most prosaic of necessities holds the comfort of the whole bed within its intricate coils. Box springs, which in addition to spring coils have extra padding above and below and are encased in heavy damask or twilled covering, come in good values for about \$28.00 to \$40.00 and up. The open coil springs are regularly available in reliable shops for \$14.75 to \$19.75 while flexible strip steel springs with their gentle resilience are priced at \$12.00. The least expensive springs are of link construction which though not so buoyant as the other kinds are frequently selected for an extra emergency bed not in constant enough use to warrant a larger expenditure. Also for those who prefer a bed without much spring to it link springs are fully satisfactory. Good rustproof link springs may be had for under \$10.00 and make an acceptable if not so

deeply comfortable a bed as the more expensive springs. After the springs have been selected, the mattress demands attention. There is a difference of opinion as to what type is best, but both hair and inner spring mattresses are very popular. Hair is cooler and makes a wonderfully comfortable bed, but it is necessary to have a hair mattress re-made at intervals to keep it soft and fluffy since hair has a tendency to pack together and become hard. A good hair mattress usually costs at least \$40.00 while a layer felt inner spring mattress of reliable manufacture may be purchased for as low as \$23.00. The latter type will not need as much attention, but a hair mattress properly cared for will wear much longer in the end. Plain tufted mattresses with layer felt cotton filling are offered in substantial grades for \$10.00 to \$15.00 with excellent grades at \$15.00 to \$20.00. Mattresses filled with kapok (a tropical fibre often called "silk cotton" because of its soft, fine texture) may be found in good quality for \$14.75 to \$22.50 and are very comfortable, resilient, and durable and do not harden from dampness.

Tufting for some of the new mattresses is laced and tied through bound eyelets which makes it adjustable. The new tickings are radiant in lovely patterned damasks, some in conventional flower motifs, others in brightly modern designs. Heavy twilled ticking of striped design remains a staple and though we feel a little sentimental about the sturdy familiar fabric, the prettier new tickings combine the same durable serviceableness with more interesting patterns and colors.

The softest, most luxurious of pillows are filled with (Continued on page 398)

A monogrammed three-sheet ensemble which shows how the extra sheet is used as a blanket cover. Note the ingenious way in which the side wall is designed to include two sets of shelves without interfering with the symmetry of the room. (Courtesy of The Peppercell Mills)



A Regency model for an American home

The description of the house illustrated on the cover
and in the following four pages

WE CONTINUE our series of small houses designed for THE AMERICAN HOME by noted architects with this beautiful Regency house, which is the work of Delano & Aldrich. The last house in this series was shown in our October, 1930, issue.

"Regency" is used to describe a type of architecture which is often classed under the general heading of Late Colonial or Georgian. It is in reality neither of these, since it exhibits a strong French influence which the others lack. Regency architecture originated in England, of course, in the latter part of the eighteenth century and appeared in our country at the beginning of the nineteenth. It is becoming increasingly popular nowadays, and while this house is modeled on a late Colonial house in Maryland, it has several distinctive and charming Regency features.

The cubical contents is estimated to be 49,700 cubic feet, including the garage. We have always priced houses of this type at 60 cents a cubic foot, which would make the house cost \$29,820. It is probable that this house could be built, even in the vicinity of New York, for 50 cents a cubic foot, and outside of New York it might be built for as low as 40 cents a cubic foot. We prefer to run the risk of overestimating the costs of houses shown in THE AMERICAN HOME rather than underestimating them.

Delano & Aldrich specify rough common brick for the walls of this house, whitewashed with Government Specification whitewash. The roof should be of black slate laid irregularly. The exterior woodwork is painted white to match the whitewashed walls, and the shutters are painted green. A flat tar and gravel roof covers the garage.

THE floor plans shown on page 363 exhibit that compact arrangement which denotes an economical, efficient house plan. One enters the front hall through a little vestibule on either side of which are coat closets. One of these closets might be equipped with a lavatory. The entrance hall is large. The living room likewise is large. There are fireplaces in both the living room and the dining room.

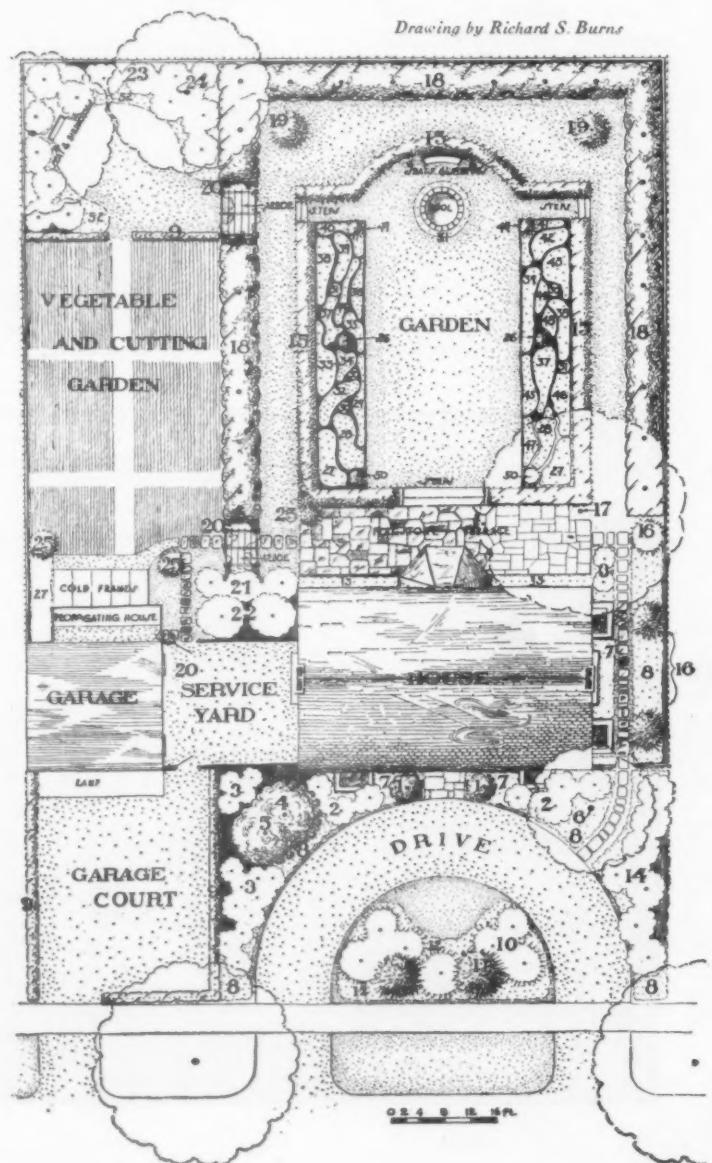
The interiors on the first floor should have simple painted plaster walls, with plaster cornices and wood base and trim. The living room has a chair rail which forms a dado along the walls.

The main staircase opens from the hall through an archway leading up to a wide, well lighted hall off which all the rooms on the second floor open. The second floor plan shows a large number of closets, with shelves indicated in each one, and the two bathrooms connect closely with the rooms

they are designed to serve. The room which would probably be the master's bedroom has a fireplace in it. All these rooms would have plain plastered walls which might be painted or papered as desired. There is a lot of room in the attic which might be developed for servants' rooms, in which case a staircase could be built in and dormers cut in the roof.

The dining room and living room connect with the outdoor terrace by means of French windows. The large porch may be glazed or screened to serve as a sunroom. The kitchen has cross ventilation through the service entrance. The cellar stairs, under the main staircase, are conveniently situated. A plan of the cellar is shown on page 382.

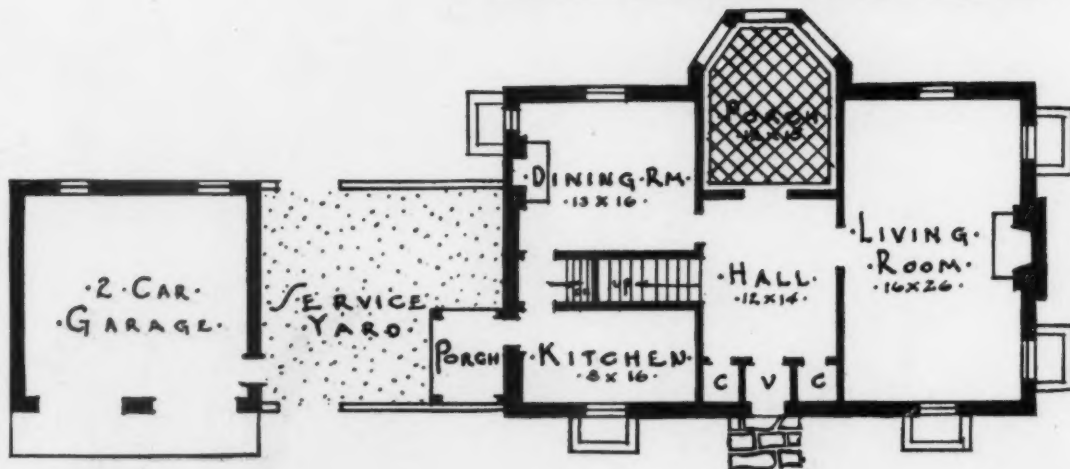
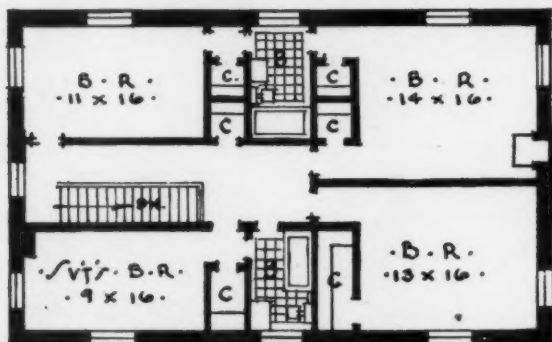
The decorative scheme for the living room, which is illustrated in the following pages, is as follows: The walls and the woodwork are painted a very soft Adam green, forming a delightful background for the chintz-covered and walnut pieces with which the room (Continued on page 382)



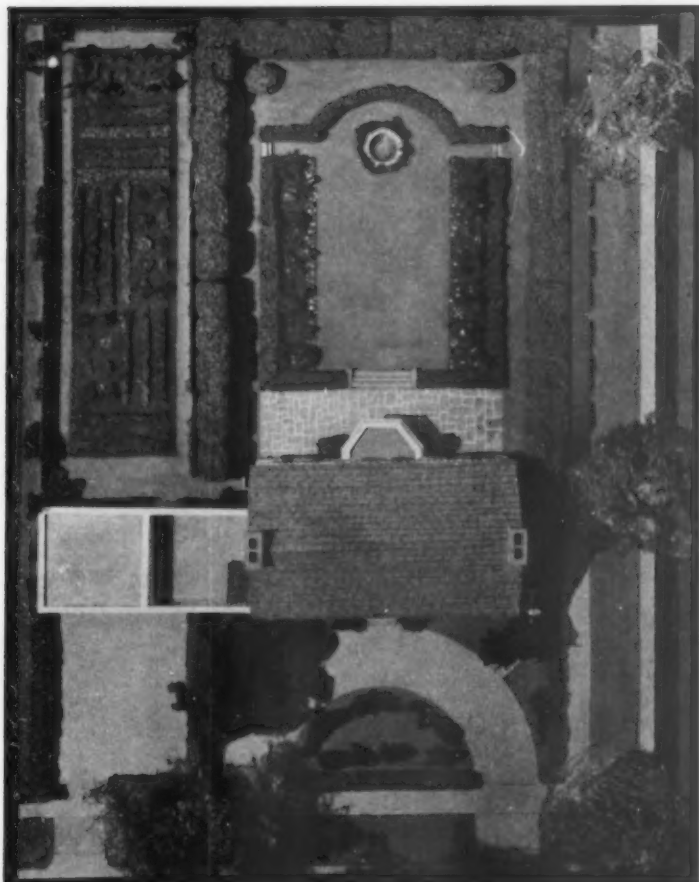
The design for the garden expresses the French tradition of the house in combination with modern conveniences and conventions. A formally treated garden area giving on the rear terrace has emphasis in the long lines of the clipped trees that frame it. To the left is the service area and the reserve garden with an informally treated retiring nook in the southeast corner. The planting detail, by Leonard Barron, gives expression to the elements of the design. For reference details see page 382



Chester B. Price



As described in the article on the facing page, this house, of which the garden side is shown on the cover, is built of brick, white-washed. In the illustrations on this and the succeeding pages it is shown situated on a corner lot, although it is equally suited to any other type of lot. The service yard, enclosed in a brick wall connecting the house and garage, may be used for a drying yard, and it effectively screens the service entrance from the front of the house. The front door has been interestingly treated. The decorations are simple: a metal hood over the door, pilasters at either side



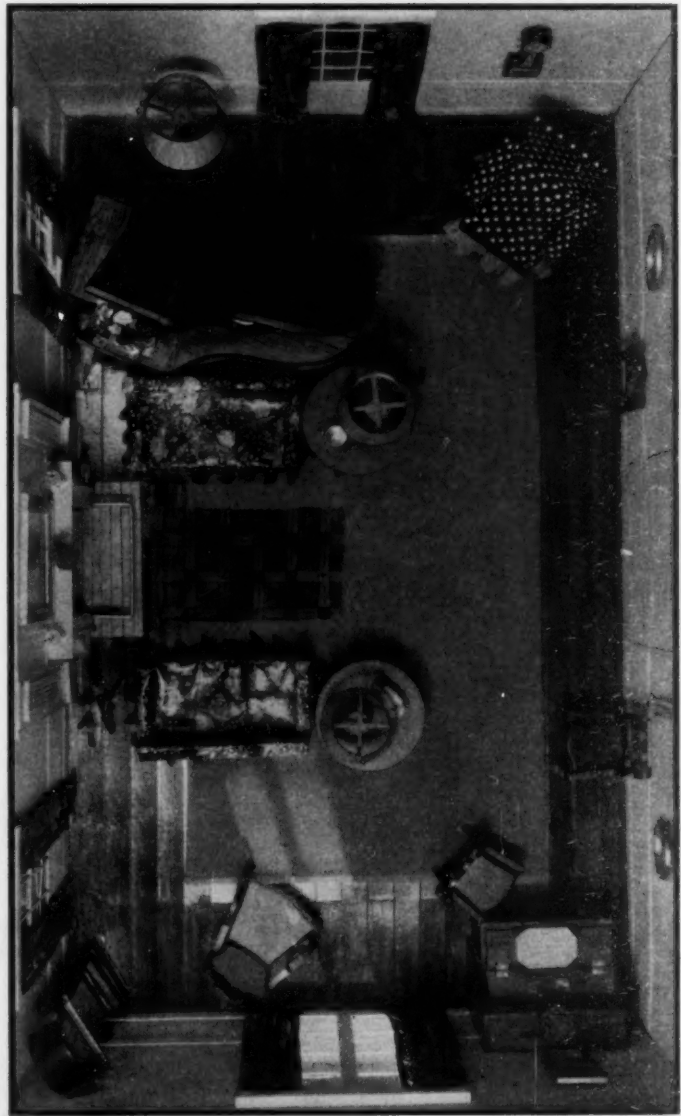
TO ILLUSTRATE exactly how the house and grounds designed for us by Delano & Aldrich would look when fully developed, we had a model made of them. The modelmaker, Edward M. Ellis, kept his work faithfully to scale, and it will be noticed that he has omitted nothing from the architects' plan as it is described on page 382. At the rear of the vegetable garden there are even pole beans, on poles. The French picket fence which surrounds the property has been skillfully copied and is reproduced even down to the gates which open into the flower garden from the vegetable garden. The miniature slates are laid irregularly on the roof just as in the architects' specifications. At the left is shown an airplane view looking directly down on the property. This shows all the details of the architects' plan. The landscaping for such a house can well be done in easy stages. First the trees, the lawn and foundation planting, then the boundary planting, and afterwards the flower gardens and decorative features, such as pool and garden seat.

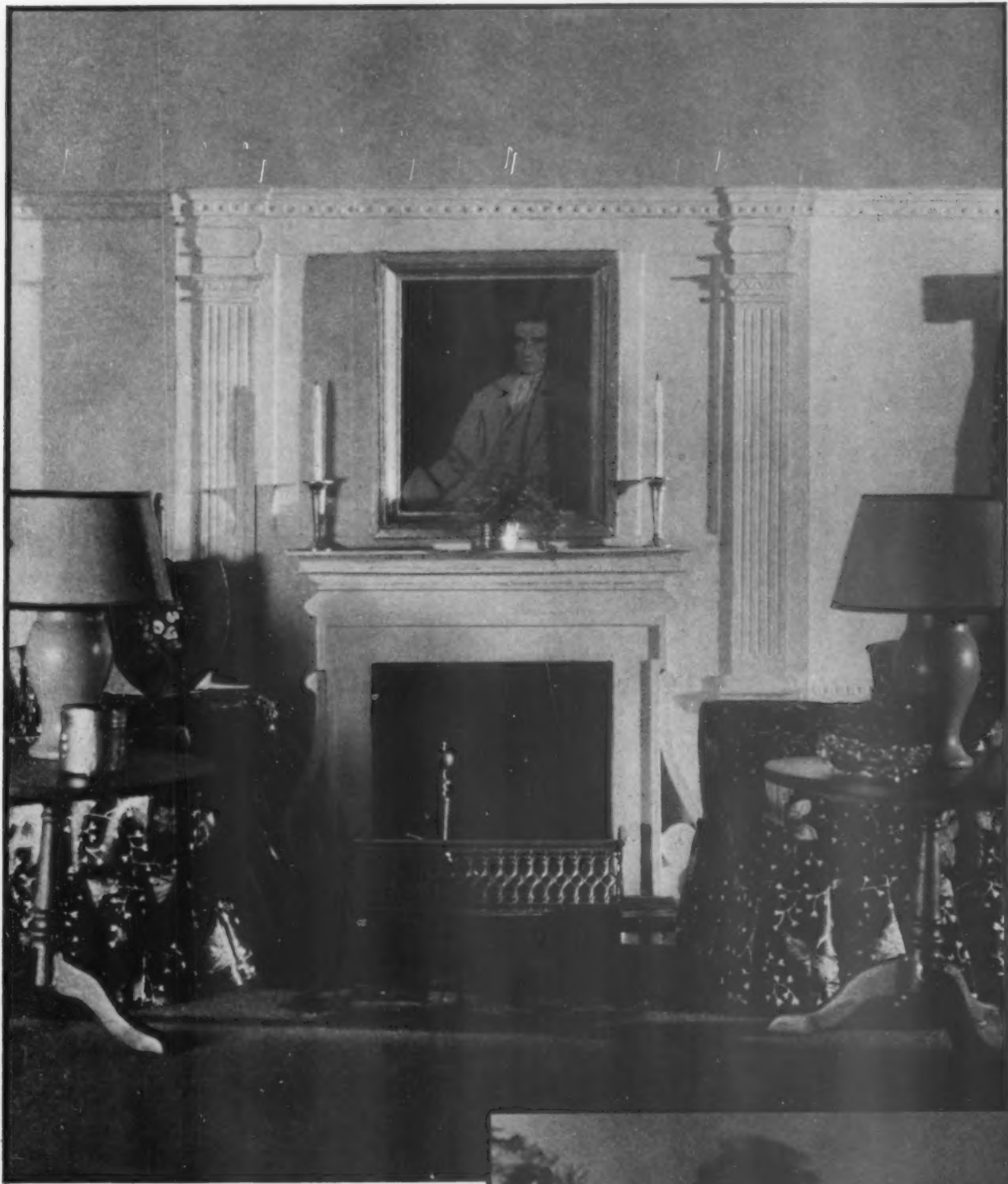




Photographs by Van Anda

SINCE models of houses prove so interesting and instructive to our readers we took the very unusual step this month of having a model made of the living room in the house designed for us by Delano & Aldrich. Mr. Ellis made this model, as well as the one on the facing page, and the result is a graphic representation of how the living room would look if the house were built and this room completely furnished. The furniture and all the decorations are made to the scale of one inch to the foot. Photographs of models are more comprehensive than photographs of actual rooms because it is possible to remove one whole wall of a model and show all the furnishings of the room at once. Notice above, and in the photograph on the following page, the excellence of the interior architecture. The walls of the room are a soft Adam green which makes a charming background for the walnut and chintz-covered furniture. The plain carpet is rust color and the little rug between the love seats is in darker tones of the same color. The furniture, which for the most part is modeled on actual pieces of the Georgian or Regency period, includes a Winthrop desk, side chairs, two love seats covered with the same chintz as that used for the window draperies, which has a black background with an interesting floral pattern, and an overstuffed armchair in black with green dots striking the note of modernity. On page 382 is given a more complete description of the decorative scheme for this charming living room.





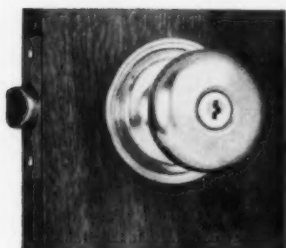
Above is shown a close-up photograph of the fireplace in the house designed by Delano & Aldrich. The furniture and furnishings have been worked out so cleverly that it is difficult to believe this is a model at one inch scale and not the actual room itself. The chintz coverings on the love seats match the window draperies. The pottery lamps are an orange red with parchment shades bordered in black. The tip-top tables are walnut. A complete description of the decorative scheme is given on page 382. At the right is shown the front view of the model of the house itself. The living room is at the right side of the house; the kitchen and, beyond, the garage are at the left



Hardware for hard wear

Fixtures of good quality are cheapest in the long run—Part I

MORGAN G. FARRELL



*Schlage
One of the so-called "button"
locks described in the article*

THE usual specification of labor and material for the construction of a home goes into considerable detail in describing the foundations, framing, lathing, and so on. Then, tucked away somewhere in the back, is a clause which reads about so: "Finishing Hardware—Allow \$150 for finishing hardware to be furnished by the owner and applied by the carpentry contractor."

In this summary fashion is dismissed one of the most useful and ornamental finishing touches which make the perfect home. The selection of hardware of harmonious design, color, and texture for any room calls for the exercise of the most discriminating taste. Unless exterior hardware is of good quality it will rust and streak the doors and walls and the locks will not properly protect the house.

The more delicate the trim details and finishes the more difficult it is to select the correct hardware. It is a lesser task when the rooms are finished in an authentic period manner, for the makers of the best hardware have correct designs for each of the most distinctive epochs in domestic architecture. The prospective buyer is therefore assured that the selection offered will be in keeping with the architectural style of the house.

But to return to the allowance for hardware: Of hundreds of specifications for homes observed by the writer, only a few have called for a sufficient appropriation for finishing hardware that would be consistent with the quality of the house. In many cases the allowance was so ridiculously low that only the cheapest grade of hardware, such as no manufacturer of guaranteed products would make, could be bought at the price.

How does this happen so consistently? Probably because the architect, bedevilled by the owner to keep down the cost of the house, yields and puts down an allowance that is possible if not entirely adequate. Or the owner may not have had an opportunity to consider the hardware at the time the specifications were drawn up, so a nominal amount was set down, with the thought that there is nothing binding about it—that the owner can spend more or less as he chooses.

Now, this is usually what happens in either case: By the time the owner gets around to the selection of hardware, his building fund is nearly used up. The natural tendency is to incur as little extra expense as possible over and above the sums he has contracted to pay. So, the choice of hardware being limited by this consideration, the goods purchased leave something to be desired. The owner seldom knows what constitutes quality in hardware and is guided by his eye or his pocketbook.

Let us say here that an allowance of \$150 for the finishing hardware of a seven-room house is entirely inadequate. Only the most modest hardware can be bought for \$200. A good selection for a Colonial house of the size we are discussing (seven rooms, \$15,000) would cost in the neighborhood of \$250. For a house of the same number of rooms and the same contract cost, in the Tudor style, \$300 would just about cover the hardware. The Colonial sets are more delicate and the Tudor sets more rugged, hence the difference in price. Of course, these prices by no means represent the upper limit. It would be easy to spend twice as much for each house and still not reach the possible price limit. The amounts stated, however, will purchase average good sets of correct design and pleasing finish, substantial sets with good wearing qualities.

It is indeed true that not only the owner, but many persons associated in some capacity with building, know very little of the difference between one grade of hardware and another. In fact quality in a product is an elusive element. What makes this lock so much better than that one? It is not the design nor the finish for both locks are alike in these.

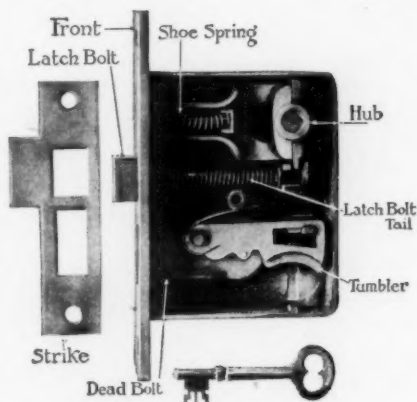
What is it then? The answer to that question is one of the chief purposes of this article.

There are two chief kinds of lock sets: (1) Flat or mortised locks for bit-keys—the common keys, long and thin, with a loop or handle at one end and at the other the flat bit which enters the keyhole. (2) Cylinder locks for short flat keys having one edge corrugated with humps and indentations.

The effective parts of a flat lock are the latch-bolt, the wedge-shaped part which keeps the door closed and which is withdrawn by turning the knob to open the door; and the dead-bolt, operated by the key, which "locks" the door.

These parts and the necessary springs and plates are contained in a flat case which is mortised into the woodwork of the door. Mortising means that a slot, large enough to contain the lock is cut into the door from the closing edge. This is a modern development. A much simpler method, and one not at all out of keeping with the Colonial style of house, is to place the lock on the face of the door.

The mechanism itself, while ingenious, is simple enough,



Flat locks are used for interior doors and often for back doors as well although they afford insufficient protection

but modern refinements of design have made the manufactured cost of this form of lock vary from seventy-five cents for one which sticks whenever one tries to use it, to one which costs from four to eight dollars and which works freely and effectively. Here are some of the reasons why one flat lock is good and another is not.

(a) Cheap locks have a single spring for the latch-bolt. All the links and levers for operating the lock are of cast metal. A lock like this is easily picked.

(b) Medium class locks have an easy spring motion. The parts are stamped out of steel or brass sheets and the lock has what is called a tumbler. This means that one of the teeth on the key lifts a lever out of the way so the key can be turned to lock the door.

(c) Best locks have larger latches and dead bolts. The parts are all brass stampings and hence are more accurate. The knob action has two compression springs instead of one, and the key action has a superior spring and three tumblers instead of one.

Cylinder locks operate on a different principle. These are the locks commonly used for the front doors of houses. The lock consists of an outer cylinder or case which is embedded in the door in a fixed position. A plug containing the keyway is inserted in the cylinder. In the upper surface of the plug are several holes into which pins from corresponding holes in the cylinder fall part way, thus locking the plug in place. The plug has an arm at its farther end which pulls back the latch bolt when the plug is turned. The turning is effected by slipping the key into the keyway, corrugated edge up. The corrugations are so placed that they push all the pins out of the way against coiled springs in the holes of the fixed cylinder, thus allowing the plug to be turned and the door unlocked.

The standard make of cylinder lock has five of these pin tumblers, as they are called. Each pin can be made in several lengths and the order of the pins can be changed, so that hundreds of combinations are possible. Only one shape of key can open each of them.

A further variation is introduced by changing the shape of the keyway. Everyone has noticed that the keyholes of cylinder locks are crooked. The purpose of the grooves in the sides of the keyhole opening is to hold the key rigidly in line as it enters the keyhole because the pin tumblers must be raised to a closely fixed position to permit the plug to turn. By varying these grooves, other series of keys become necessary, so that it is almost an impossibility for any but the proper key to fit a cylinder lock.

However, it is sometimes desirable where there are several cylinder locks around the house, as in the front entrance door, the rear one, and the garage to have one key which will fit all of them. Master keys can be supplied for this purpose. They correspond roughly to the so-called skeleton key which opens all the flat locks inside the house.

There is a modification of the cylinder lock which has found considerable acceptance. It is called the unit lock and both lock and keyhole are in the door knob, which can be found easily in the dark. The appearance of this set has a dignified simplicity which suits it to conservative styles of architecture.

Material, mechanical design, and accuracy of workmanship all affect the price of a lock set. The knobs and roses for example, may be of solid cast brass or bronze. Or they may be of pressed steel, brass or bronze, in which case they are hollow and easily dented or deformed, and if the material is subject to rust ugly streaks on the door will result. Then, too, the pressed metal roses (the circular plates which cover the holes in the door, bored to admit the knob shank) are attached to the door by screws whose heads show. Solid roses may be held in place by self-contained screw-threads.

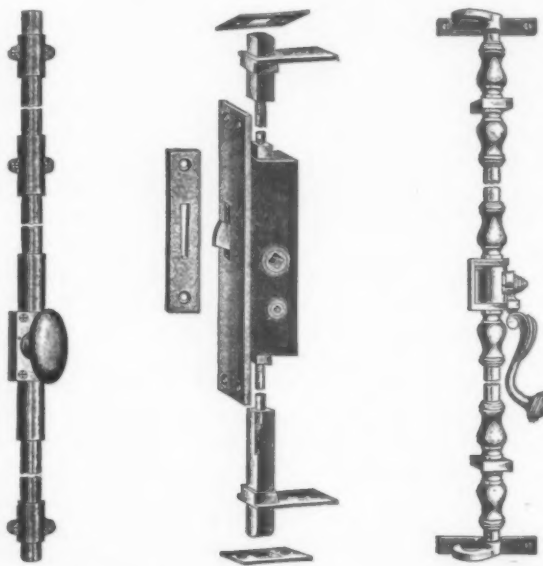
The finish has comparatively little effect on the price unless one goes in for exotic effects as gold or silver plating and polychrome designs. It does make some difference but it is well worth the little additional cost to get the correct finish.

It may be mentioned in passing that it also makes some difference in the lock whether the door is hung at the left or right and closes toward or away from a person standing in the room. Whether a mortise lock is keyed from one or both sides affects its cost somewhat. The same is true of a cylinder lock with or without a thumb or night latch. Again, push buttons may or may not be provided in the jamb of the door to allow it to be opened from the outside by turning the knob or not as desired.

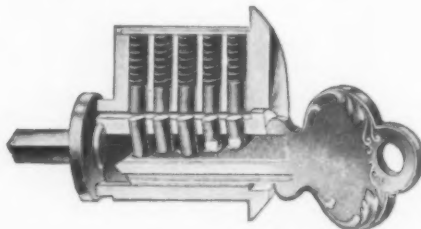
In one type of lock set there is a button in the inside knob itself for this purpose, so that it is not necessary to open the door. This button can be locked in position or can be left to disengage itself automatically when the handle is turned. In other words, if the door is left unlatched for one person to enter, it is auto-

matically latched as soon as that person turns the knob to come in.

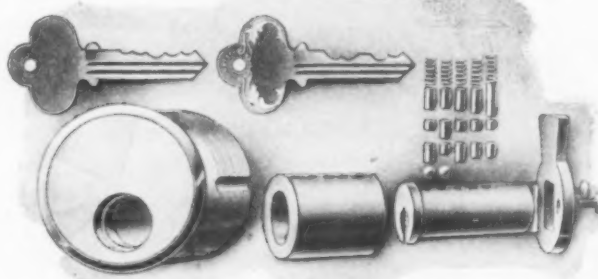
Butts, as hinges are technically called, are made of cast bronze, wrought bronze, cast iron, cast brass, and wrought brass. They may have loose pins of (Continued on page 410)



Hardware for French doors: (left to right) a Cremone bolt, a double extension, and an Espagnolette bolt



A cross section of an ordinary cylinder lock in action. The indentations in the right key permit the bolt to turn



The various parts that make up a cylinder lock including the master key, at left, and an ordinary key

A farmhouse in the city

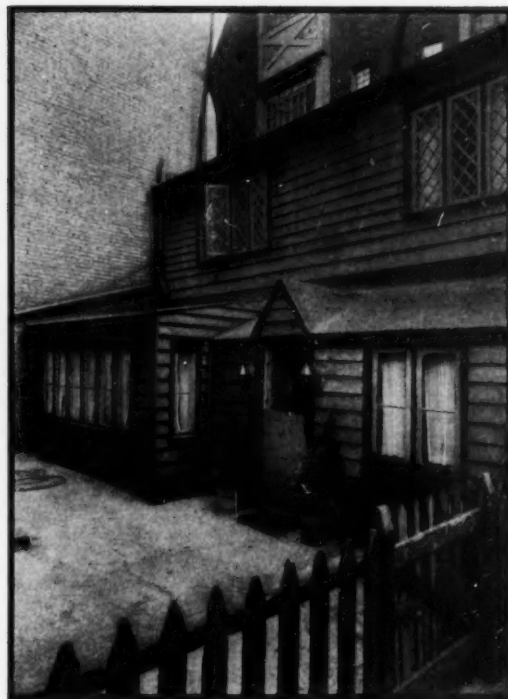
A quaint home in a large metropolis

FRANCES PARSONS DAVIS

IN THE year 1809 a little house was built on a country lane in Green Village, New York. This is by no means an unusual statement, for every carter and wheelwright and chairmaker living on that country lane had built a little house cut from almost the same pattern.

But to-day Green Village is Greenwich Village. The country lane is Bedford Street, running west off traffic-laden Seventh Avenue, and two tall apartment houses look down in amazement upon the little house between them.

Its wooden gate swings a welcome on rusty hinges. Its door, capped with a peaked roof, opens in halves. On summer nights you can lean your elbows on the lower half and gossip with the moon, there being few back-fence neighbors in New York. There are windows in every available wall space. Some have ledges a scant three feet off the ground. These face our front yard. The windows on the street are so high that I must stand on tiptoe to see out. The rows of windows downstairs have long narrow panes. The rows up-



Richard Averill Smith

Although sandwiched in between tall buildings, this little house has an atmosphere of genuine friendliness. The door with its little lanterns and the evergreens nodding their tops in the breeze bid a cordial welcome

The furniture in the living room is grouped around the six-foot fireplace with its chimney cut in receding steps. A quaint Cape Cod rocker and a barrel chair make comfortable places in which to read or relax



Opposite the fireplace is a windowed alcove with paneled walls and built-in benches stained mahogany. With the addition of a saw-buck table this makes a perfect little dining nook

stairs have leaded panes in diamond shape; some open in and some open out. There are windows to the north, windows to the east, and windows to the west. All day long the sun makes patterns on the floor.

There is — but you must meet the house properly, as we first met it, by coming upon it suddenly as you round the corner.

We had examined hundreds of false fireplaces, showers, and kitchenettes. We had seen duplexes and pent-houses, furnished and unfurnished rooms, light housekeeping, studio, and no-cooking apartments. And we were still looking for a home. We had poked our heads into hidden courts. We had ambled up and down alleys. We had gazed longingly at tiny shacks beyond repair. We had even considered the 8:18 train from the country every morning.

Then we rounded the corner—and there it was! Its windows were sleepy with the dirt of years. Its paint was peeling. Its gate swung lazily open and shut. A "To Let" sign flapped disconsolately from the street side. But it was a house and the only house of its kind in all New York City. A house that had, even in its unhappy state, the look of a home about it, of a well lived in place. A house that had spent one hundred and nineteen years being a home.

We stampeded the realtor and demanded the key. We came into a tiny entryway with the proverbial step going down into the living room. Directly facing us was a six-foot fireplace with its chimney cut in receding steps up to the ceiling. In the corner between the fireplace and the street windows a bench was built, fitting into the angle. On the other side of the room, across from the fireplace and parallel with the door, was a windowed alcove with two more benches built into the walls and running its six-foot length. The benches and the fireplace were mahogany stained as was a paneling that ran around the room half way down to the floor. On the far side of the room the paneling covered the entire wall. Even the two doors that led into the butler's pantry and the bathroom were paneled. Above the bathroom a crooked stairway wound itself around the angle of the wall. In the bathroom the tub had been built under the eave of these stairs, saving space, it is true, but making it impossible to stand up in the wrong end. Facing the stairs was a kitchen, exactly six feet long and nine feet wide.

"This," said I, having the modern business woman's disregard of kitchens, "is our bedroom. We're both five footers. Our beds can be comfortable at six. The butler's



pantry is a kitchenette to order, window and all."

That left the great upstairs room, running the full length of the house, for a den and working room combined. The sort of room where one can lounge, read, talk, or clatter away at a typewriter. The downstairs was an apartment complete in itself. Downstairs we'd live; upstairs we'd work.

We got the painters in and soon changed mauve and bilious green walls to a rich cream. We obliterated a muddy brown floor with an English blue in a high shellacked finish. We restained each panel an even deep mahogany. The carpenters built bookcases like benches under windows, and running up beside windows, in fireplace corners and in every inch of spare space we could find. The plumbers pushed the sink of the erstwhile kitchen through the wall into the butler's pantry. The house-painters made the face of the house a soft gray with luscious blue window trimmings. The gardeners planted evergreens and discussed lawns and a cobbled walk. We planned

window boxes with trailing ivy and nasturtiums.

And then we thought about furniture. We got together whatever detachables either of us owned—a prize hooked rug much too big for our floor space, a junked gas stove, and an old mattress. We piled ourselves and our detachables into the car and headed for the country.

THERE we had known an old junkman who was the last of the traders. You could never offer him money, but you could trade a pair of rubbers for an old lamp or an overcoat for one andiron.

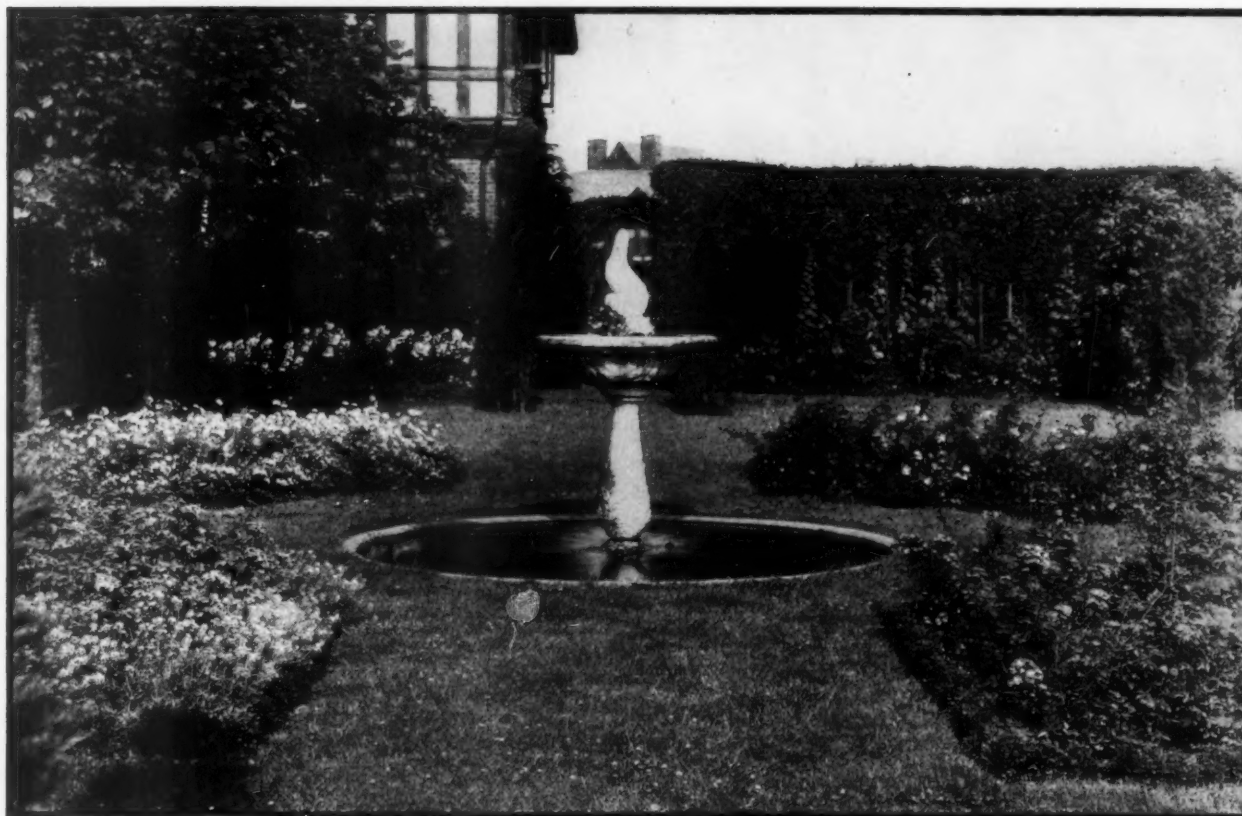
We wandered through the old barn and found two baby rocking chairs of the Windsor type and wide enough to seat an adult comfortably. We found a bronze coal scuttle green with corrosion. We found a pair of andirons high enough for the fireplace, a three-legged milkmaid stool, a ladder-back chair, and a church pew. We found pottery plates and candlesticks. The rug and the stove went with our collection too.

The reproduction departments of the furniture stores proved as much fun as antique hunting. I ran amuck among Cape Cod rockers and barrel chairs, chimney lamps, and bric-a-brac.

Where do you begin when you furnish a home? With a color scheme, I suppose, since chairs must be covered and rugs must be blended. For my curtains I wanted (*Cont'd on page 408*)



An old church pew, discovered in one of our travels through the country, and a lovely print of the "Ascension" hung above it make an interesting and unusual group in the living room



By far the best effectiveness in using annuals is by planting the several kinds in generous masses to get weight of color. Indiscriminate mixtures lack character

Adventuring with annuals for color

A helpful guide among the bewildering riches laid before you

ROMAINE B. WARE

MAYBE you have never considered the growing of flowers from seed as an adventure but surely it might be looked upon as such. It is a game of chance, a speculation, a hazard in which you venture your time and money against the probability of the seeds producing plants you wish. And as an adventure it is most delightful. Nature has stored up within the seeds an unbounded measure of opportunity, limited only by our ability to make the most of it. A tiny packet of a few hundred seeds can be made to produce a wealth of plants and by proper methods will continue to do so year after year.

A perennial garden may be started during almost any month of the growing year; but not so with the annuals. Spring is the season for entering upon this joyous adventure. Of course anyone can grow annuals but not everyone will achieve the same results. Many kinds are so very easy that, like Topsy, they "just grow," while others are a bit more exacting and you must acquire a certain amount of technic to make them do their best.

Some gardeners with limited experience are rather inclined to look down upon the annuals but the old hand will freely acknowledge their important position. They have

numerous uses in our gardens and without them there would be serious deficiencies. For cutting, the annuals are invaluable. Can you imagine a cutting garden without China Asters, Sweet-peas, or Calendulas? As a succession planting following early bulb displays or biennials that have passed, nothing takes their place. They may also be used to make entire gardens but probably their most important use in the average garden is for mass planting in the herbaceous border. Here annuals will supply color at seasons when otherwise it might be lacking. Plants may be grouped around and among early blooming perennials such as Iris and Peonies where they will add color to an otherwise dull picture.

As you study the seed catalogues, dreaming of the garden that is to be, as you mentally picture the various kinds of flowers, you will doubtless want a great many more kinds than your available space will accommodate. Almost every gardener in making out his seed order does this and, as the result, great quantities of seeds are wasted. So first you should try to visualize the space you have for planting. Make a plan of it upon paper, (Continued on page 416)



Annuals are the real stand-by for garden color in mid-summer during the lull of bloom among the perennials—and they are easy to grow too

ANNUALS FOR AVERAGE GARDENS

KIND	GENERAL METHOD*	SPACE†	REMARKS	KIND	GENERAL METHOD*	SPACE†	REMARKS
<i>Ten edging annuals</i>				<i>Ten tall annuals</i>			
Sweet Alyssum	ABCDS	3-6	Plant generously	Castor bean	AC	24-36	Screening, tropical
Ageratum	AB	6-12	Dwarf blue form best	Cleome	C	12-18	Good in large borders
Brachycome	AB	4-8	Best where cool	Cockscomb	AC	12-24	Rather coarse, showy
Dianthus (X)	ABCD	4-8	Rich soil; sunshine; cutting	Cosmos (X)	ABC	18-24	Use early varieties; cutting
Lobelia	ABS	5-12	Indispensable dwarf blue	Larkspur (X)	ABCD	12-18	Extra good; new varieties
Marigold, French	ABCD	6-12	Grows everywhere; constant bloom	Lavatera	C	18-36	Excellent background
Mimulus	AC	4-8	Moist, shady; rocky	Marigold, African	ABC	12-18	Use liberally in masses.
Portulaca	C	4-8	Full sun, dry location	Miniature Sunflower	BC	8-12	Cutting; background
Saponaria calabrica	C	6-10	Bright; good in rockery	Nicotiana	ABCD	8-12	Especially fragrant at dusk
Dwarf Zinnia	ABC	6-10	Long season; easy to grow	Salvia (blue)	AB	12-24	Blue variety desirably artistic
<i>Ten fragrant annuals</i>				<i>Ten annuals for massing</i>			
Ageratum	AB	6-12	Goes well with pink or yellow	Aster (X)	ABS	12-24	Cutting; try new Sunshine
Heliotrope	A	12-18	Par-excellence in fragrance	Arctotis	ABC	6-12	Border and cutting
Mignonette	C	6-10	Fragrance for garden and cutting	Bachelor's Button (X)	BCD	6-10	Indispensable blue annual
Nicotiana	ABCD	8-12	Makes entire garden fragrant	Calendula (X)	ABCD	10-12	Cutting; long blooming season
Petunia (X)	ABC	8-15	Cutting; enjoys full sun	Calliopsis	CD	8-12	Self sows; cutting, showy
Scabiosa	ABC	6-10	Rich soil; long stems	Eschscholtzia	CD	6-8	Likes dry sunny soil
Stock	ABD	10-15	"Ten Week" best; rich soil	Lupine	CS	12-18	Showy, especially new hybrids
Sweet-pea	ACD	4-10	Use best seed obtainable	Phlox (X)	AB	8-12	Full sun, light soil
Sweet Sultan	C	10-15	Cut in bud; likes lime soil	Salpiglossis	ABS	12-18	Rich colors; cutting
Verbena (X)	ABC	8-24	Ground cover; pinch back	Zinnia (X)	ABC	8-24	Cutting; border; pinch back

Ten annuals for rockery

The following annuals are easily grown in the rock garden and may be sown right where they are to bloom. None of them grow taller than about eight inches and some only three or four: *Anagallis linifolia*, *Eschscholtzia caespitosa*, *Gypsophila muralis*, *Inopsidium acaule*, *Kaulfussia amelloides*, *Leptosiphon* hybrids, *Nemophila insignis*, *Phacelia campanularia*, *Sanvitalia procumbens*, *Sedum caeruleum*.

* A—Start indoors or under glass in early spring and transplant to flats or pots.

B—Sow in well prepared beds outside and transplant.

C—Sow right where they are to bloom, thin out before they crowd.

D—Sow late in the fall.

S—Will succeed in partial shade.

† Spacing depends upon whether you want mass effect or specimen bloom.

Shrubs with colorful fruit

Planting in spring with a thought to fall

E. H. FULLING

New York Botanical Garden

THERE is a spot in every garden I verily believe where some attractive berries or colored leaves would be a cheerful sight in fall or winter. Do we not stress too much the spring bloom effects? When planting this spring season do it with some thought to relieving the drab cheerlessness of the season just gone. An especially attractive fall fruit, conspicuously different from most others and which should hang on at least one shrub in every garden is the Beautyberry. There are over thirty different species of this plant scattered in many parts of the world including our own country. But possibly the best, surpassing the natives in hardiness although perhaps not in beauty, is the Japanese Beautyberry (*Callicarpa japonica*), a medium sized shrub, two to five feet in height. In the axils of the leaves, the small pink or whitish flowers appear during August, rather attractive though modest; but later they develop into little grape-like bunches of small beautiful violet berries. There is not the profusion of fruit we see in some other shrubs like the Highland Cranberry (*Viburnum*) but the color persisting into October and November is sufficient compensation.

The hardiest Beautyberries are *purpurea* or *dichotoma*, *japonica*, and *giraldi*. All are from Asia and must be somewhat protected during the winter. If killed to the ground, however, they will spring up again vigorously and bear flowers and fruit the same season. A darker blue, and later almost black, fruit larger than that of Beautyberry is found on one of our native and fairly common small trees, the Nannyberry or Sheepberry (*Viburnum lentago*). They sometimes remain on the plant all winter and are particularly attractive as they ripen, frequently showing three different colors: yellow, red, and blue all on the one fruit. The plant may be too large and out of proportion for some gardens, however.

Many Bush-honeysuckles have decorative fruit. *Lonicera morrowi* from Japan is handsome in flower as well as in its blood red fruit; the Tatarian Honey-suckle from Russia and Siberia has red fruit, rarely yellow, in July and August. The Spangled Honey-suckle (*L. gracilipes*) from Japan has rather large, pendulous and bright red berries quite early in June; *L. alpingena* from the mountains of central and southern Europe with bright scarlet shining berries borne very close together in August and September; *L. trichosantha* from western China with very handsome bright red fruit also in August and September; the Late Bush-honeysuckle (*L. maackii podocarpa*) is probably the latest of this group to bloom, and is not so very showy then but the bright red fruit lasts, like the dark green foliage, into November; the Coralline Honeysuckle, gives bright red berries in August and September. All these plants produce more or less large dense shrubs and consequently need real room. They are best adapted for the shrub border, in groups, (Continued on page 412)



*There is variety of choice among the several kinds of Beautyberry (*Callicarpa*). All have clustered violet berries in fall*



Snowberry is an established favorite—the best known white fruited shrub. A close relative of the purple-red fruited Coralberry



*Of Bush-honeysuckles there are very many, all good, large growing shrubs. This variety (*maackii podocarpa*) is most conspicuously red fruited in late summer*

Roses to enliven the little garden

Their dainty aristocracy sheds luster in any company

G. E. ALTREE COLEY

A LARGE house gains dignity from mere size, and equally so does a large garden, but how can we save the little house and the little garden from being insignificant? Surely by treating both as though smallness were a part of their charm and then giving to every detail the most loving, exquisite finish as though the whole were a miniature, a lyric, or a gem.

Guided thus one will see immediately that in the small garden there is room only for the choicest of flowers, and when one thinks of the choicest flowers, one of course thinks first of Roses. There is a dainty aristocracy about the Rose that declares it, in all its many varied types of growth and color, to be the appointed ally of the modern little garden.

The value of Rose planting was realized and made use of by the owner of the little stucco home here pictured. The blooms tapping at the lattice casements or carpeting the beds, or held aloft in huge bouquets on tall standards, made this little garden of only twenty feet from sidewalk to house one that simply halted the passer-by with its sheer beauty and distinction. To be practical, the climbing Roses are Avoca, crimson; the standard on the right is the justly celebrated Paul's Scarlet; while the bush kinds include such beauties as Mrs. Charles Lamplough, cream; Padre, apricot; and Rev. Page Roberts, clear golden yellow.

We have Roses for every purpose. They can fill the flower beds with their dwarf bushes and great blooms, or with the new dainty Polyantha or Baby

Ramblers which quite literally cover the ground with bloom. They will transform any wall into a living arabesque of color and again with two distinct types of flowers, the large blooms and the Wichuraiana or Rambler double flowers, while we must not forget the exquisite single flowers best exemplified in American Pillar, but including Mermaid, with great lemon-yellow blooms, and Cupid, pink.

If one wants to focus a perfect furor of admiration on one's home, or from a more worthy point of view, giving the neighbors a feast of beauty and joy, just cover the home with only one variety of Rose, which will give a glorious display at one time. Such an effect was carried out with Climbing Caroline Testout (*Continued on page 412*)

Roses draped on a white archway can allure to further exploration of the garden. These Roses are Dorothy Perkins. Pink Petunias fill the bed below



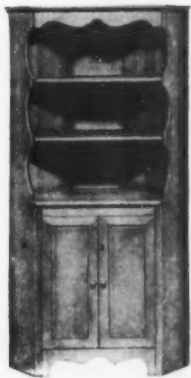
A home of perfectly finished detail. The climbing Rose is Avoca chosen for persistent bloom. Lilies and Rhododendrons fill the corner nook. The evergreen, Pyracantha, clothes the original window box which is built up from the ground and filled with Fuchsias and Begonias





Decorating Secrets

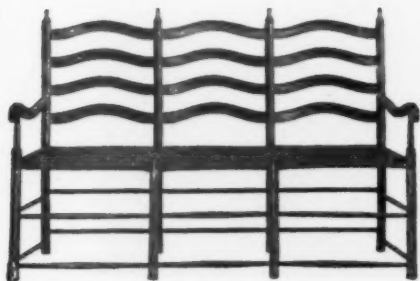
that make a living room
cozy and charming!



No. 190 Corner Cupboard
Width 32 in. Height 68 in.
Depth 17 in. Solid Maple.
Retail Price \$76.



No. 286 Table
Top leaves down 18 in.
x 18 in. Top leaves up
34 in. x 18 in. Height 30
in. Solid Maple. Retail
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No. 72 Candleback Settee
Seat 59 in. x 18 in. Height back above seat 20 in.
Approximate weight 23½ lbs. Retail Price \$44.

Here are many ways to add a distinctive colonial touch to your home, as told by Lurelle Guild, one of America's most noted decorators and authorities on Colonial Antiques.

His booklet, published by courtesy of two of New England's oldest furniture makers, can be obtained for ten cents by mailing the coupon below.

Show this ad to your dealer. If he cannot furnish you with the pieces you desire, we will fill your order direct from the factory, as explained in Mr. Guild's illustrated booklet "Decorating Secrets for a Colonial Home."

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No. 74 Candleback Arm Rocker
Seat 21 in. x 16 in. Height back above seat 25 in.
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Enclosed is 10c for which please send nearest dealer's name and Mr. Guild's Booklet, "Decorating Secrets for a Colonial Home."

Name _____ Address _____

Trees that fit the roadside

Why waste time and money on trees that are an incumbrance?

E. A. CONNELL

SYMMETRY of growth, luxuriance of foliage, structural strength, comparative freedom from insect and disease depredations, adaptability to extremes of soil and atmospheric conditions, cleanliness—these are the important features to be considered in selecting trees for street and roadside planting.

There is no question as to the desirability of our American Elm. Its identity with the beauty of New England is proverbial and well grounded. The Sugar Maple, while less regular in appearance than its handsome Norway relative, is a most desirable tree. While the brief tabulated summary I have drawn up lists maple wilt, maple borer, and girdling root as "bad features" these are all but potential weaknesses, readily controlled. It must be borne in mind that a nominal amount of insect and disease attack may be expected on any of the trees which have been selected. None however, is subject to uncontrollable troubles, with the possible exception of the Elm, if and where the newly recognized "Dutch disease" of that tree attacks. So far it is quite rare.

The Red Oak, Scarlet Oak, and Pin Oak are all quite desirable street trees, particularly the latter with its symmetrical crown, upright growth, and fine foliage. The beauty of autumnal foliage is excellently typified by these trees.

Although the Hackberry is generally ragged in the Northeastern section of the country, it is most pleasing in the South and West. In appearance it is much like the Elm on a smaller scale. It is not a "hothouse" tree and is able to withstand varying soil and climatic conditions. Of late years hackberry gall has become prevalent but not to such a degree as to nullify the choice of the tree for street planting.

For a rapid-growing, symmetrical tree, Ginkgo (the Maidenhair) is becoming widely used. It is not very particular as to soil conditions and will thrive equally well in varying types of soil from gravelly to moist. The objectionable feature of the Ginkgo is the disagreeable odor of the fruit. By using only the staminate forms, there need be no trouble from this source.

Advocates of the American Linden are numerous but in a brief commentary on desirable street trees I give preference to the European variety. It is erect, symmetrical, hardy, a relatively rapid grower, and very easily adapts itself to differing soil conditions. The most beautiful specimen I have seen is one in a mixed planting along a campus road at the Massachusetts Agricultural College in Amherst, Massachusetts. The Oriental Plane, while not widely used in this country for street or roadside planting, has great possibilities and is a beautiful tree. *(Continued on page 414)*

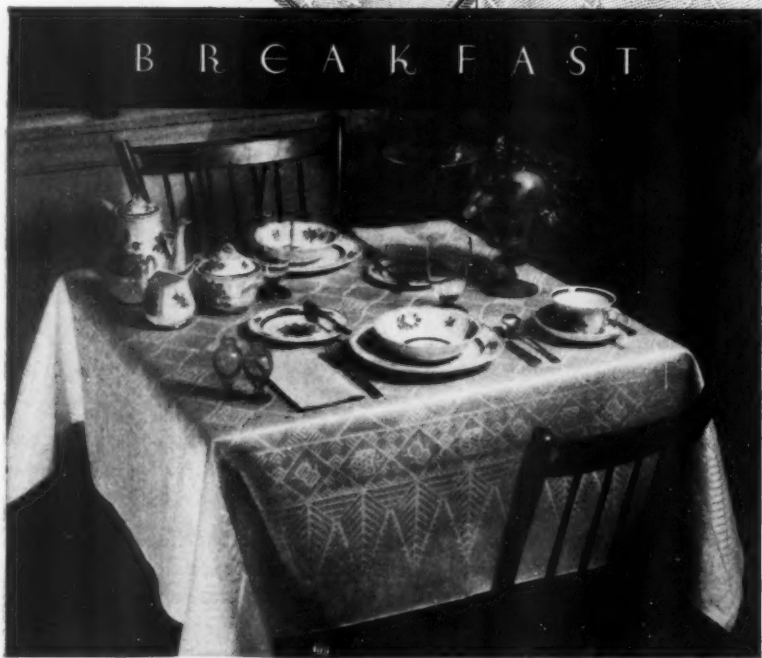
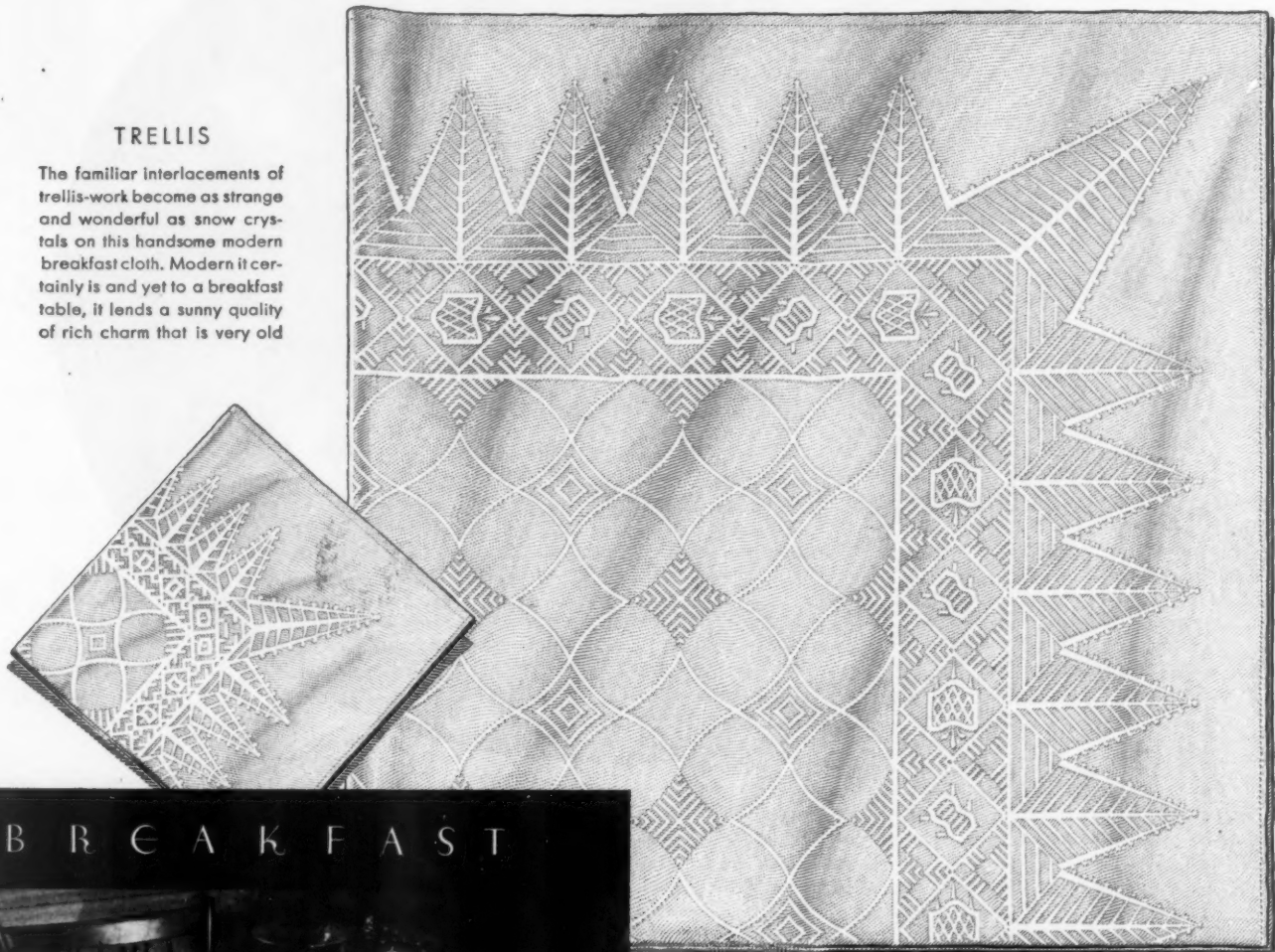


Shade trees for the street line are an asset if the right species are planted. Elm and Maple are among the most popular, but selections must be made according to soil conditions. Most plantings are too close

Linen Damask is GAY at Breakfast

TRELLIS

The familiar interlacings of trellis-work become as strange and wonderful as snow crystals on this handsome modern breakfast cloth. Modern it certainly is and yet to a breakfast table, it lends a sunny quality of rich charm that is very old



GLASSWARE BY FOSTORIA

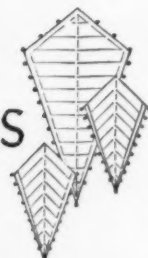
SILVERWARE BY COMMUNITY PLATE

Many lovely designs in Linen Damask for all occasions are pictured in a new booklet — "New Beauty in Linen Damask Tablecloths." Send ten cents to cover mailing, addressing Dept. VA-2, The Irish and Scottish Linen Damask Guild, Inc., 260 West Broadway, New York.

LINEN DAMASK on the breakfast table salutes the spirit of the hour which celebrates our reunion with the world. In the morning sunshine, hospitality is as cheerful as the aroma of coffee...as artless as the golden brown harmonies of muffins and marmalade. Among the superb patterns of Linen Damask made on Irish and Scottish looms, there are many especially designed to be used on the table when the day is young and hearts are light.



LOVELY LINEN
DAMASK TABLECLOTHS & NAPKINS
impressively correct



SEE THE NEW IRISH AND SCOTTISH WEAVES AT LEADING STORES



These little creamy "Sweetglads" were exhibited for the first time at the International Flower Show last March. They have a light fragrance between Freesia and Violet, persisting all day long

The fragrant Gladiolus at last

A new hybrid race that may hold much for the future

FORMAN T. McLEAN

New York Botanical Garden

THIS is to announce a new race of Sweet Gladiolus. Visions of a sweet-scented Gladiolus have haunted the dreams of plant breeders for more than a century. The idea was not entirely visionary either; for there are distinctly sweet wild species of the genus in South Africa—little tender delicate flowers, some of them with a delicious, evanescent perfume, strongly scenting the air at night in the garden but the odor disappearing by day. These sweet-scented wild Afrikanders are close relatives of Gladiolus tristis, with its Lily-like cream blossoms dotted with purple-brown, and have long been grown in European gardens. Tristis readily crosses with other kinds of Gladiolus, and the first of its hybrids were introduced over a hundred years ago. One of them, Colvillei, now nearly a century old in commerce, is widely grown in greenhouses. Its bright red erect blooms were reported to be fragrant when first introduced—but none of its present day representatives are. This was but the beginning of numerous attempts in the same direction, all resulting in the same way. Tristis is so tantalizingly sweet, so easily intercrossed with the garden races, and yields so little! First there was Colvillei, then the Bride, a pretty white, and later Van Tubergen's Tubergeni

race—all are dainty daughters of Gladiolus tristis, all are practically scentless, and all are mules, leaving behind them no offspring to give even the faintest encouragement.

This has been the situation for the past century. There have been rumors of sweet-scented Gladiolus, and sometimes definite reports of successes, but none of them materialized in the showroom. This was still the situation when the author began working with them in 1918, twelve years ago. First, the old work was repeated, with the usual resulting disappointments. Then, in assembling wild species of Gladiolus for trial and study, one was secured that was an anomaly; off-color, of a bronze-tan shade, a weakling that would not multiply nor cross with the garden strains, and failing to conform to the specifications of any of the species, but undeniably fragrant, both day and night. This ugly duckling succeeded in crossing with Gladiolus tristis. The result is a race of sweet-scented spring-blooming Gladiolus.

These "Sweetglads" (the name is trade-marked) are as tall and vigorous as tristis, with a delicate perfume strongest by day, and not at all like tristis. The creamy white flaring bell-shaped blooms are the size of giant Freesias, and are delicately marked (Continued on page 414)



"The

OCCASIONAL TABLE
Strikes an Exquisite
Keynote in Harmon-
izing the New Ensemble
Groupings"

Says MISS IRENE HAULTAIN



A cosy place to pen one's thoughts — the Ashley Duncan Phyfe occasional table.

THE occasional table, always an important furniture item, is particularly important at this moment.

More formal because of its size than the small chummy tables, it adds to the living room a vital unifying touch. And how important that touch has become with the new vogue of ensemble groupings!

This fashion, enunciated by New York's leading decorative authorities, calls for a blending of several periods in the same room.

Quite a change, when you reflect that correctness formerly depended upon furnishing each room in one—and only one—period!

The smart thing today is to mingle pieces from associated periods, within the century. Thus a fashionable eighteenth century living room should now contain pieces from several designers—Chippendale, Sheraton, Hepplewhite, Adam and Duncan Phyfe.

Occasional tables by Imperial are particularly effective in groupings of this kind. Their correct period lines, beautiful woods and highly figured tops strike an exquisite keynote in harmonizing the ensemble.

Ask your leading dealer to show you his display of Imperial occasionals—or any other type of table you may need. Imperial's variety of styles, woods, finishes and prices is unsurpassed. And each piece, for your protection, is identified by the famous Imperial green shield—a 27-year-old hall mark of table aristocracy.

Imperial Tables priced from \$10 to \$250

An interesting booklet, "Tables in the Home," will be sent on request

IMPERIAL FURNITURE COMPANY

IMPERIAL TABLES

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The Etruscan 18th Century occasional table provides informal charm.

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The ravages of time, the tread of many feet and household accidents leave marks and stains upon your floors. No longer are the effects of wear, tear and casualties difficult and expensive to remove. Quickly, easily FLOOROLA will even take away every trace of ground-in, imbedded dirt.

Never again will it be necessary to smear wax on your floors by hand, with mops or other messy gadgets, for FLOOROLA waxes, cleans and polishes entirely automatically. Automatically, FLOOROLA-WAX is applied from sealed containers to the distributing brushes and then brushed vigorously into thousands of tiny pores.

Waxed Floors No Longer Sticky or Slippery!
FLOOROLA-WAX comes to you in containers, sealed against inferior substitution, dirt and impurities. It contains no sticky, slow-drying paraffin and is non-explosive. With the FLOOROLA method of application, it produces a crystal clear surface, hard, brilliant, non-slipping. A surface forever rid of old-style, non-penetrating, surface waxing.

At slight cost, with little effort, floors can always be dirt-free and permanently beautiful. With FLOOROLA you are forever rid of the expense of refinishing floors and the tremendous bother of having workmen upset your home for days at a time.

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Gentlemen:
I want to learn more about this revolutionary new FLOOROLA process—
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No mess—no effort
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of the handle trigger
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automatically
your floors are
CLEANED
and
WAXED

Enhance the
Charm and Value of
Your Home

An intriguing booklet,
"The Secret of Beautiful
Floors" will tell you
more about this sensa-
tional new method of
floor maintenance. You
will want to see this ma-
chine. Ask for the name
of your nearby dealer.

The etiquette of silver

Continued from page 351

platinum finish—it would be hard to choose the greater vulgarity! Happily it should be noted that in the case of platinum surfaced silver it can be taken off of all pieces of sterling by any silversmith in a moment's time.

Having already come to the question of which pattern to choose, by speaking of surface, let us not take any definite patterns or shapes or period designs, but let us merely remember the outstanding attributes of beauty. Nothing ever has been—and nothing is ever likely to be—enduringly beautiful that breaks the laws of balance, form, line, or proportion.

Just as we find that the Victorians were inclined to choose objects of somewhat clumsy over-size, many pieces of modern table silver are quite foolishly trifling and futile. Child-size spindle-stemmed forks and spoons are about as suitable in proportion to the size of a grown man's hand as the play-silver in a nursery. Innumerable pieces at present designed for decoration are anywhere from a quarter to a third under suitably proportioned size.

Of course, if you and your husband are tiny people with child-sized hands, if your dining table is three feet square and your dining room proportionately low and small, tiny implements, tiny plates, tiny decorations, and tiny glimmers of candle light fulfill the necessity of proportion of object to size of surroundings.

As to genuine beauty of form, it is scarcely necessary to point out the faults of tiny-shouldered wide-hipped forks, with no waists and crab-clawed legs. Bad, on the other hand, are thick, heavy tines with sharp, clumsy corners, or meaningless eccentricities of outline.

But, as to choice of design, let neither me nor any one else influence you in selection of what you are to use day after day, perhaps all your life long!

Only one piece of advice: Be as sure as you can be that you will not grow tired of the pattern that attracts you.

The style which you most suitably choose depends naturally upon the style of your house. If you are undecided about that, and undecided about the sterling silver you want to buy for always—or if that which you would choose is very expensive—why not wait? Why not buy plated ware to begin with and get sterling little by little later on? There are many good varieties of plated flat ware. And there are endless copies of Sheffield designs that are perfect—not merely for temporary use but for permanency.

The reason why good taste invariably turns again and again from periodic novelty back to the standards which we know as classic is that we soon grow tired of daily repeated doses of eccentricity, and we rarely, if ever, grow tired of things which are sincerely beautiful in line and form and finish and proportion.

The tables on pages 350 and 351 were set up by THE AMERICAN HOME to illustrate Mrs. Post's article. We wish to acknowledge the courtesy and cooperation of the following firms:

Breakfast table on page 350: Linen, Linen Damask Guild; china, "Black Knight China"; silver, 1847 Rogers Bros.; glassware, Fostoria Glass Co.

Dinner table on page 351: Linen, Linen Damask Guild; china, Josiah Wedgwood; silver, the Gorham Co.; glassware, Fostoria Glass Co.

Little things that make for leisure

Continued from page 353

away from the table material and thus protects it.

In any discussion of household devices for saving time and labor we should not forget the can opener. Every housewife is looking for the opener that makes a clean cut of the tin and that is held securely by its own standard. The can opener shown on page 352 fits any tin can. To use it, first hold the handle in an upright position to receive the can, then press down to puncture the top of the can. By lowering the handle to horizontal and then turning to the right, the top of the can is cut off smoothly.

A long time ago we discovered the comfort and saving that resulted in buying paper bags for lining garbage cans, since they are stronger and save the bother of cutting and shaping newspapers for lining pails. With the same sanitary idea there is now on the market a paper-cloth bag for vacuum cleaners. These paper dust bags are cheap enough to throw away after use, and their capacity is as large as the conventional cloth bag. The bag may be used until it is two thirds full of dirt and then should be changed for a new bag which may be done without the least trouble to the worker or need for handling dust or dirt. Simply deposit the used bag and its contents in the trash can. There is an attachment for every

make of vacuum sweeper, and with each attachment is a nickel collar and clamp that fits the machine at the motor end, while at the handle end is a special clamp and hook as with the ordinary vacuum sweeper.

A hand floor waxer is excellent for all homes without electricity. A small waxer weighs ten pounds and is constructed like the heavy weighted brush which has always done good work. The new waxer is better, however, since there is a pressure control which decreases or increases the wax used. Just a turn of the screw forces more wax on the cheesecloth wiper which is stretched across the weighted pad and held by a wire frame. It is a sound maxim that a little wax goes a long way—hence use very little. When the wax on the floor has become dry, put the felt which is part of the outfit on the floor and place the weighted waxer on it. Polish back and forth until a good gloss develops. Any hard wax can be used, though a special wax comes with the waxer.

These are but a few of the countless devices that are constantly being brought out for the convenience of the housewife. To enumerate the entire list would fill several volumes the size of an encyclopedia, but the ones mentioned above are fairly new and have all been tested and found practical.

Now - PRICED WITHIN THE REACH OF EVERY HOME OWNER

Surely
 RUST has no place
 here

GOOD-LOOKING HARDWARE contributes much to the beauty of the home. Rusted hardware, in the midst of otherwise attractive surroundings, never fails to sound a harsh note.

Hardware is conspicuous. Few metal parts are subject to more frequent or harder usage. Windows and doors are opened and closed constantly. Knobs, latches, window catches must always fit and look right. Cheap hardware cannot stand up; the plating soon wears through, exposing the base metal to rust. Such hardware not only detracts from the appearance of the house but soon needs replacement.

Rust cannot attack brass and bronze. For many years the creative skill of architects and designers has been expressed in hardware of solid brass and bronze. Not only because these metals best suited the designs, but because these metals are



permanent. Furthermore, hardware of solid brass and bronze is not expensive when its durability and beauty are considered. Many leading manufacturers of fine hardware use Anaconda Brass and Bronze in their products.

Just as solid brass and bronze hardware saves money, so does the use of Anaconda Brass Pipe and sheet metal work of Anaconda Copper. Valuable information on these and other uses of Anaconda metals is given in the illustrated booklet, "Copper, Brass and Bronze in the Home." It will be sent free. The American Brass Company, General Offices: Waterbury, Connecticut.



Front door of "Mount Vernon" with its original solid Brass door-knob. Washington's homestead has Brass hardware as good today as when it was originally installed.

FOR HARDWARE...
ANACONDA
 BRASS OR BRONZE



THE AMERICAN BRASS COMPANY, GENERAL OFFICES, WATERBURY, CONN.

Finger-touch opening without moving inside screens



Ordinary windows
warp and stick...

Always swinging smoothly on bronze bearings, Fenestra Steel Casements never swell, warp or stick. And these ultra-modern windows are opened, closed and locked tight without once touching Fenestra's inside bronze-mesh screens.

Then, too, you'll enjoy the convenience of outside washing from within the room, the extra light, better control of ventilation, and the extraordinary weathertightness.

Fenestra Casements are the vogue in smart houses, yet they cost no more than ordinary windows.

DETROIT STEEL PRODUCTS COMPANY
2272 East Grand Boulevard Detroit, Michigan

Fenestra

STEEL CASEMENTS SCREENED

A Regency model for an American home

Continued from page 362

is furnished. These include a grand piano and bench, a Winthrop desk, and side chairs enough for a bridge game, as well as two tip-top tables placed at the ends of the chintz-covered love-seats. The slip covers of these chairs are of the same material as the long draperies at the windows. Over the wide, hospitable hearth hangs a portrait of the master of the house, in his "pink" hunting coat, and there is a decorative pair of paintings of flowers in oval frames on the opposite wall.

The accessories of the room are entirely correct for the Regency period, and show that nice attention to detail which makes the furnishing of a room either a haphazard affair or a satisfying work of art. There is a shield-shaped fire-screen, charming brass andirons, fireset and fender, candlesticks, plain lamps with parchment shades decorated with narrow black lines, a banjo clock, and a dignified grandfather clock, as well as a mirror which gives depth to the room. There is also a charming desk set with a quill pen and a blotting pad.

A note of modernity and color is introduced into the room by the presence of a big, comfortable armchair covered with a slip cover of black with a design of green dots, and finished with a green ruffle, and a deep armchair upholstered in green, ready to be pulled up to the lamp for an evening's reading. Staffordshire china dogs add a quaint touch of decoration, and a bell-pull made of a strip of brilliant embroidery hangs by the door to the hall.

The architects' plan for the landscaping of the grounds is shown in the photographs on page 364 and on the cover. A plan different in a very few respects is illustrated on page 362. The architects have placed the house on a 100 x 150 foot lot so that the porch is on the axis of the main garden. A flagstone terrace leads out from the house to the lawn. This terrace might be sheltered by a roll awning.

Steps lead down to the formal garden, which is sunk below the level of the terrace and the surrounding property. A hedge bordering the outside edges of the flower beds conceals the slope which leads from the property level to the garden level. This hedge is gracefully curved at the far end of the garden. At the edge of the property stands a row of clipped trees and beyond these trees, on the lot line, is a French woven wood fence of the type so popular to-day.

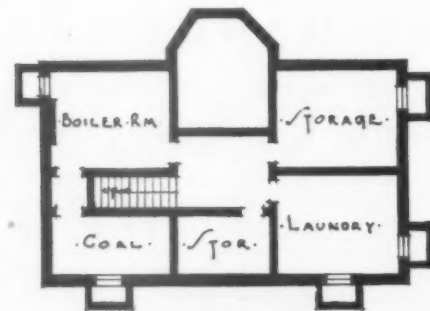
The detail planting plan shown on

page 362 while adhering broadly to the general suggestions of the architects is developed independently from a practical gardening standpoint. For the main frame of trees, clipped at the top so as to form a colonnade of trunks below, Beech is suggested because of its all-year-around cleanliness and for the color character of the trunk itself—silvery gray. The house faces north and afternoon shade is provided on the rear terrace by an American Elm. The foreground planting in the driveway is designed to give a preponderance of green effect throughout the year with specimen Box flanking the entrance steps.

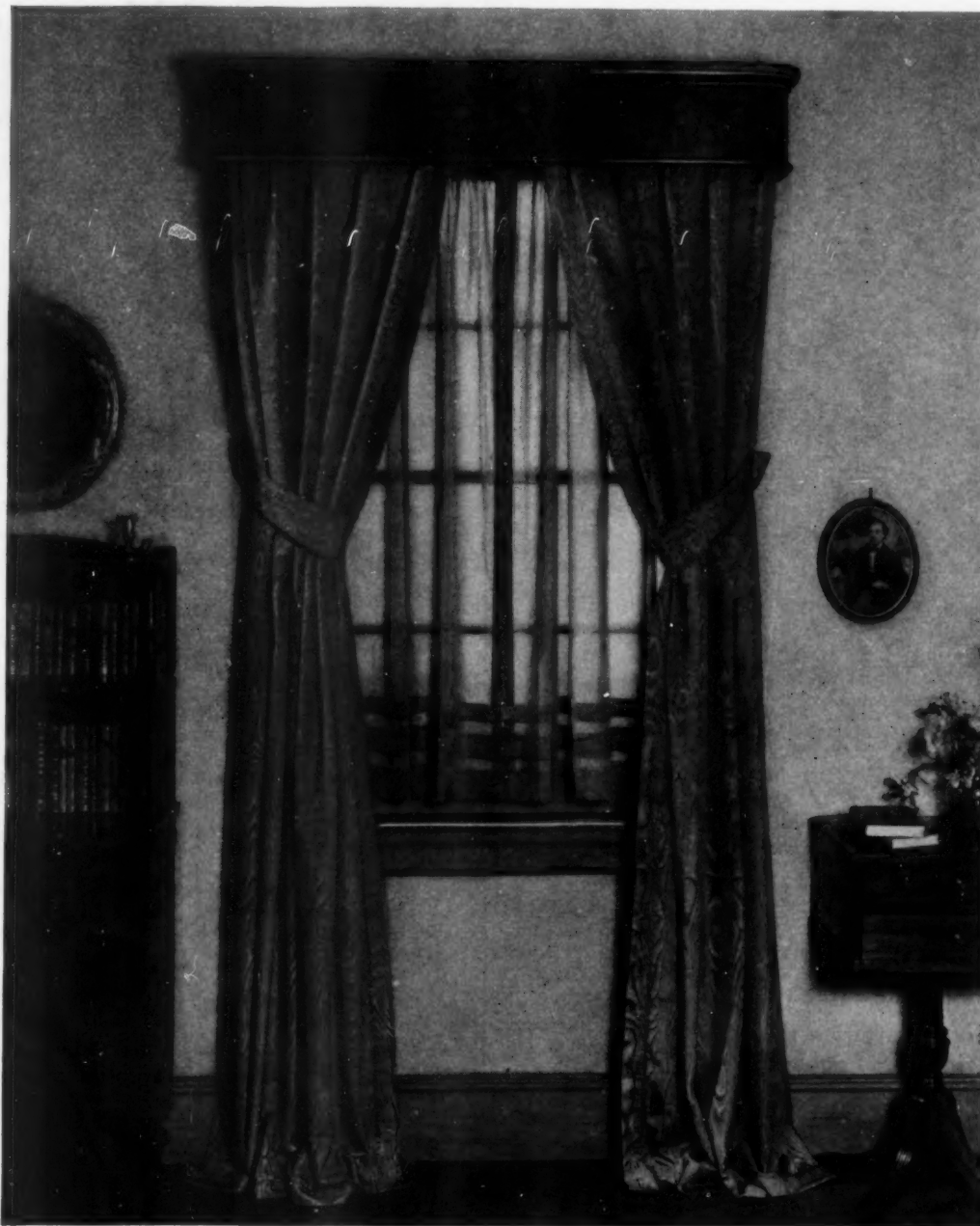
In the left angle screening the service yard, two plants of flowering Dogwood, one white and the other red, are planted together so that the branches intermingle. Mountain Laurel and native Ferns are freely used; on the right side (with a suitable ground cover planting) Korean Viburnum is used for spring fragrance. A Black Locust stands at the corner of the house to give elevation to the picture. Pfitzer's Juniper and Japanese Yew with Pachysandra are intermingled as a planting on the inner side of the drive circle to give permanent green effect throughout the winter. The foreground might be enlivened with Azaleas and bulbs in season.

At the far end of the cutting and vegetable garden a shady nook of informal planting is provided as a quiet retreat. It is approached either through the service garden or under the Rose arbor that connects with the more formal planting. Lilacs are used behind the service yard and close to the house for their fragrance and the arbors are draped with climbing Roses. The sunken area is bordered on each side with massed flowers for summer effect, relieved by a few dwarf evergreens to carry color especially through the winter season. In each of the distant corners of the formal part of the garden are Moss Retinosporas which with their glaucous blue tone will help to lend a sense of spaciousness and distance. Provision is made for a little propagating house and accessory coldframes which would do much to help the garden maintenance and for which any necessary heat could be provided in connection with the garage heating system.

Because of the small space between the living room windows and the boundary fence, the planting is very restrained and only two dwarf spreading Yews relieve the grass area. The Beech tree enframing wall could be (Continued on page 384)



The architects' plan for five sizable rooms in the cellar. Where an oil burner is installed the coal room can be used for other purposes



AN ORIGINAL
WINDOW TREATMENT
FOR THE LIVING ROOM

The draperies are of Celanese Permanent Moire, the glass curtains of Celanese Bellessa Taffeta, in shades to harmonize with the general color scheme. Curtains like these are easily made at home, and at moderate cost.

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THE soft, luxurious textures . . . the mellow, glowing colors . . . of Celanese Fabrics give an air of welcoming hospitality to the windows they grace, transforming the personality of the room. To the woman of the house, the practical benefits of these modern synthetic textiles are equally appealing. Fabrics of Celanese have a natural, luxurious weight, free from all loading . . . fog or rain does not injure them . . . they will not shrink or stretch . . . or mold or mildew . . . they dry-clean perfectly, or launder easily

. . . and the colors are unusually fast. If you have difficulty in obtaining Celanese Decorative Fabrics, an inquiry addressed to the Celanese Corporation of America will bring you sources of supply.

"Color Harmony in the Home," a booklet of suggested color schemes, will be sent you on request

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Babies Are Human



They Want a Room of Their Own

It means health, strength, character



The little bed, finished in Ivory or other solid enamel colors, is 34 inches wide, 65 inches long and 45 inches high.



The costumer, 54 inches high, the night stand, 27 inches high, and the chair with seat 16 inches from the floor, are finished to match perfectly with the bed or other pieces shown.

Dr. Alfred Adler, eminent authority on children, says that the pattern of a child's entire life is fashioned when it is quite young. The development of self-reliance, resourcefulness, orderliness and all the traits which mothers seek in their children, depend greatly on their early surroundings. Children want an attractive room of their own. First, they need a Gem Crib, the fillers of which are set so close that even the tiniest baby's head cannot get through. Then as the child grows and the family increases, furnish the nursery gradually with Gem Matched Sets, which help build health, strength and character. See them at leading department stores and furniture stores.

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Illustrated above is Gem Set No. 304, which includes a crib, two chairs (one a rocker), a chiffonade, a night stand and a costumer. The pieces can be bought separately if desired.

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GEM CRIBS
and Matched Sets

A Regency model for an American home

Continued from page 382

- | | | |
|---|---|----|
| planted of young trees with their ultimate destiny in mind and trained and pruned accordingly. The Beech is a particularly desirable tree because it holds its foliage late in the season and at no time does it dirty the rest of the garden with shedded material. Mixed Japan Iris may be used in connection with the pool merely to give distant color. Beyond it a seat and statues could be effectively introduced to lead the eye through the garden when looking upon it from the terrace or from the rear rooms. Full planting details follow. The material used is practical both North and South except in the extreme lower limits. There, this type of home and garden design are hardly likely to be used, however. | 16. Specimen prostrate Taxus | 3 |
| | 17. American Elm | 1 |
| | 18. European Beech (clipped) | 25 |
| | 19. Moss Retinospora (R. veitchii) | 2 |
| | 20. Climbing Roses—various | 6 |
| | 21. Persian Lilac | 3 |
| | 22. Hybrid Lilac | 2 |
| | 23. Bush-honeysuckle—assorted | 14 |
| | 24. Apple trees | 2 |
| | 25. Red Cedar | 3 |
| | 26. Dwarf Retinospora | 2 |
| | 27. Hollyhocks—assorted | 45 |
| | 28. Long-spurred Columbine, mixed | 50 |
| | 29. Goldflower (Hypericum monserianum) | 20 |
| | 30. Peony—red and white | 3 |
| | 31. Adam's Needle (Yucca) | 2 |
| | 32. Lupine, 3 colors | 25 |
| | 33. Chrysanthemum, assorted | 15 |
| | 34. Torch Lily | 15 |
| | 35. Phlox laphami | 10 |
| | 36. Myosotis, blue and white | 25 |
| | 37. Delphinium, assorted | 25 |
| | 38. Madonna Lily | 20 |
| | 39. Clump Speedwell (Veronica longifolia subsessilis) | 20 |
| | 40. Dwarf Goldtuft (Alyssum saxatile compactum) | 12 |
| | 41. Carpathian Harebell | 25 |
| | 42. Tickseed | 10 |
| | 43. Dropmore Anchusa | 15 |
| | 44. Babysbreath | 15 |
| | 45. Ozark Sundrop (Oenothera missouriensis) | 25 |
| | 46. Phlox, assorted | 12 |
| | 47. Double Buttercup | 12 |
| | 48. Aster, mixed | 3 |
| | 49. Globe Arborvitae | 2 |
| | 50. Rosenthal Arborvitae | 2 |
| | 51. Japanese Iris, mixed | 15 |
| | 52. German Iris, mixed | 75 |

KEY TO PLAN ON PAGE 362

	QUANTITY	
1. Boxwood—specimens	2	
2. Rhododendron—mixed hybrids or Abelia	7	
3. Mountain Laurel—specimens	20	
4. White Flowering Dogwood—bushy specimen	16	
5. Red Flowering Dogwood—bushy specimen	1	
6. Black Locust	1	
7. Small-leaved English Ivy	20	
8. Native Ferns and Periwinkle, interspersed, 100 of each		
9. California Privet	125	
10. Pfitzer Juniper—low type	7	
11. Upright Japanese Yew	2	
12. Pachysandra	200	
13. Douglas prostrate Juniper	15	
14. Viburnum carlesi	7	
15. Yew hedge (Taxus)	40	

“Or equal”

Continued from page 355

However common this practice may or may not be, we believe it is furthered rather than checked by the continual use of “or equal.” Like every other business firm, materials manufacturers are seeking daily to improve their merchandising methods, their distribution, and their products. They are competing in the open market for public favor. The fact that their public is divided into three parts, consumer, architect, and contractor, and the fact that their products are bricks, wall-board, cement, or pipe does not destroy a possible analogy with soap, peas, shoes, or candy sold to consumers by retailers who buy from wholesalers. Retailers, of course, cannot be compared to architects, but the fact is that when it comes to a matter of purchase the consumer may accept the advice of the architect as he does that of the retailer. Retailers who offer a purchaser something “just as good” do so, we know, either because they make an increased profit on the article or because they wish to make a sale and profit by the transaction. It is the duty of the manufacturer to preclude the possibility of substitution either by insuring the retailer a good profit or by increasing his own distributional efficiency. It is the duty of the buyer to beware. The architect, however, when he

recommends the substitution of an alternate material does so from an altruistic motive. He is not looking for profit, he may in fact be reducing his profit. His idea is to get the desired material at a lower cost or get another material which is “just as good,” but cheaper. At the same time, by being altruistic he is going against the stream of mercantile progress. For instance, three pipe manufacturers are competing in the open market, competing with legitimate weapons: low price, good quality, and wide distribution. When they come to a particular house in which one pipe is specified and “or equal” added they are forced to cast aside these weapons. They now compete with the bludgeon of bargaining. The lowest priced product does not get the order because the others are asked to meet that price. The one of best quality probably does not get it because best quality is not always synonymous with lowest price. The one with the best distribution probably does not get it because a nearby mill may be able to undersell it. The pipe for this particular house is bought at auction. Prestige, investment, guarantees are nothing. The whole machinery of building materials merchandising is disrupted. Unless the manufacturer meets the architect's price (Continued on page 386)



NOW A Furniture Dressing by Stickley of Fayetteville

Owners and admirers of Stickley Early American furniture will welcome the news that a new dressing has been developed at the Stickley factory, to preserve ... at its best ... the lovely finish of their Early American pieces.

The new dressing lays a thin, invisible film of protection through which the original finish gleams with renewed mellowness. With a minimum of effort it cleans, beautifies, protects, preserves ...

up to the high requirements of its sponsors. This dressing will be handled by our dealers. Write for the name of the Stickley dealer nearest you. Booklet F sent free upon request by writing to L. & J. G. Stickley, Inc., Fayetteville, New York.



Yes, it's really
a pleasure
to wash dishes
with the
"EBCO"
DISHWASHING
SINK



Diameter of washing basin 15½ inches—8½ inches deep—a very commodious size for many small washing tasks.

Many home remodeling plans are including the EBCO Dishwashing Sink. The awkward dishpan with its daily need of scouring and storing is giving way to the modern, built-in wash basin—an exclusive feature of the EBCO Sink.

Other distinctive features are the removable waste strainer which eliminates annoying pipe stoppage; a rectangular compartment with special wire basket eliminates wiping—the dishes are quickly sterilized and dried with a hot rinse from the hose spray—now advocated by medical authorities. The sink is obtainable in white or colors also with the special acid-resisting enamel finish. Be sure to include an EBCO among those conveniences you plan to install in your home this year.

WRITE FOR COPY OF ILLUSTRATED FOLDER IN COLORS.

THE D. A. EBINGER SANITARY MFG. CO.
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"What!?? ELEPHANTS trampling across my rugs?"

No, not actual elephants—but if they did tramp through your house, you could see how their crushing weight would destroy your rugs. Yet you and your family pound—pound—pound across your floor coverings, each foot-step a hammer blow *with the weight of the body behind it*—grinding the fabric against the floor!

Science has perfected Ozite Rug Cushion—a shock absorber for rugs that defies even the tramp of elephants. Ozite cushions the fabric... eliminates wear... *doubles the life of your rugs*. At the same time, Ozite gives any rug the rich softness of an "oriental." Lay your present rugs over Ozite. Enjoy today the luxury and economy that Ozite brings to your home.

GENUINE Ozite Rug Cushion now bears the name impressed on the face of the fabric! For your own protection, be sure you look for the name

GUARANTEE
Ozite is sold under an iron-clad guarantee. It will give you a lifetime of satisfactory service.

Ozite is a cushion of felted hair, like a thin hair mattress. Never wears out... always stays soft. Mothproof. OZONIZED. Made in all sizes. Requires no fastening. Buy it wherever rugs are sold.

Ozite
RUG CUSHION

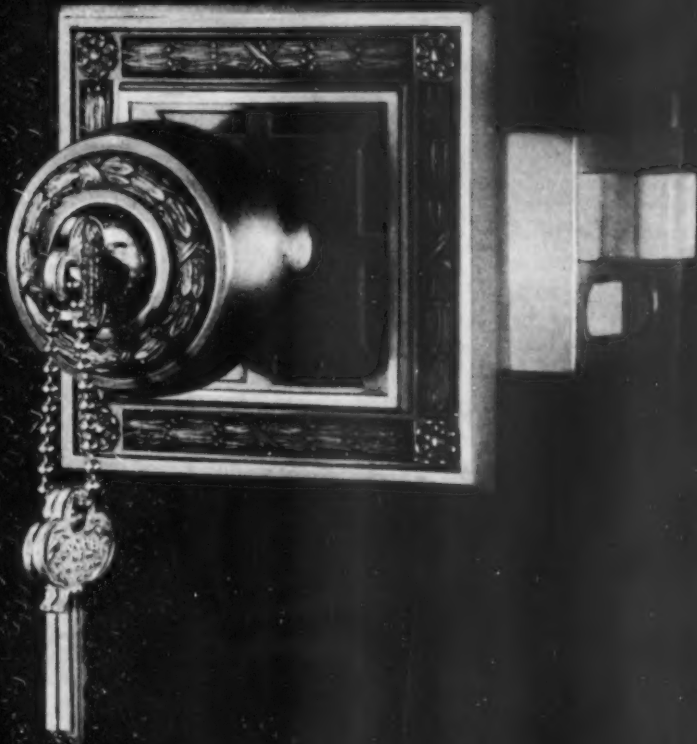
Pat. Sept. 9, 1924

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The American Hardware Corporation, Successor

NEW YORK

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Makers of the world's most complete line of builders' hardware

"Or equal"

Continued from page 384

requirements (as dictated by the contractor) he loses the sale. His business which has been marching along a highway turns off into a dead end street.

If this practice is as common as architects say those building materials firms which truckle to the contractor's desire to bargain must allow for it. If they can expect to be asked to cut prices to sell their product they must price these products slightly higher than is necessary. Or, if they are working at a rock-bottom low price they must charge other prospective builders the extra amount they lose on discounted sales. In either case home builders lose in the long run.

Of what service, then, is "or equal?" One owner may get a discounted price on pipe and yet pay more for window glass because another owner got a discount on his glass. There is no economic progress in such a run-around. On the other hand, if you omit "or equal" you permit logical economic factors to operate. Low price and good quality will then determine popularity—not a willingness to bargain with contractors who need work.

When "or equal" is used you invest the contractor with discriminatory powers that he is very likely to abuse. It is said to be an actual fact that the house of a paint manufacturer was painted with a competitor's paint. It is an actual fact that brass pipe specified in a group of speculatively built houses was not of the grade ordered but was discovered too late to be changed. There was no way to punish the contractor; the research company of one pipe firm could easily prove, to a layman, that their product was as good as another.

If you put certain powers into the hands of contractors, who can limit those powers? The architect is too busy to keep constant check on the materials used. The contractor cannot help but feel that he has the right to alter specifications whenever he can do so without too obviously employing inferior materials.

One reason why architects use "or equal"—although they do not often acknowledge it to be a reason—is that they are too busy with their other work to keep abreast of developments in the building materials field. They have a constant string of materials salesmen in their offices, each one eager to prove the superiority of his product. It may be with these hopeful and persistent visitors in mind that the architect writes "or equal" and waits to see which one the contractor will select. Then he will only have to consider one alternate, not a queue of them.

But, as many architects realize, times and customs have changed and will change more. The owner who was entirely ignorant of building materials values and who left all decisions up to the architect and contractor is giving place to the owner who familiarizes himself with the materials he wishes used in his house before he ever discusses the matter with his architect at all.

If this were not so there could be no honest objection to the phrase "or equal." If owners are content

to let contractors dictate there is no case against "or equal." But owners more and more are taking the problems of home building into their own hands. Their architects discuss materials and even methods of building with them now, rather than with the contractors.

We think this trend from contractor-dictation to owner-dictation will work wonders for the building industry. It is, of course, our second largest industry, but it should be by all odds the greatest. Materials prices, labor prices, legal and financial red tape, and building inefficiency are knots which the owner and the owner alone can cut. As long as he deputizes authority he puts his hopes for progress in the hands of his agents.

To speed the coming day we urge all prospective builders to familiarize themselves with building products, architectural styles, and the legal and financial phases of home building long before they consult an architect. When they know what type of house they want, what materials they want and where they want to build, they should secure the services of a competent architect to design them an economical and attractive house and to supervise the building of it.

"Or equal" is really not necessary in architectural specifications. We have met few architects who would agree to this statement, but we feel sure the magic phrase will pass into oblivion. Consider the following excerpt (published by courtesy of "Pencil Points") from a new book written for young architects and draughtsmen by Philip G. Knobloch, an adviser to the architectural profession:

"It (a specification) is not, as so many make it, a raft of pages of typing full of trick clauses and meaningless phrases. There is very little that cannot be specified definitely. It is not necessary to state a certain material and then add a silly 'or equal.' If you decide that you want a particular manufacturer's product or material because you know it is the best for your purpose, incorporate this manufacturer's name and material or product. Do not add three or four names (I have seen half a dozen names listed) and then in addition add 'or equal.'"

"Specifying materials and products definitely by trade names or manufacturer's names will accomplish the most important result that you are after. It will force each contractor bidding to estimate on the same basic requirements and your bids will be easy to compare when they are all in. You will then know who is really low. Advise the contractors that no substitutions will be permitted after the contract has been signed.

"Should the contractor desire to substitute the product or material of like quality of another manufacturer, he may do so by the submission of an alternate bid specifically stating the proposed substitutions by manufacturer's name and catalog number and the proposed additions or deductions from the basic price."

We advise owners to dictate specifications wherever possible and to omit "or equal" in order to be certain that no substitutions will be made.



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Father of Tree Surgery
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20% more people bought Davey Tree Surgery Service in 1930 than in the previous year

In 1929 Davey Tree Surgeons served 22,368 clients, and in 1930 they served 26,848—in the far-flung territory from Boston to beyond Kansas City, between Montreal, Toronto and the Gulf.

In view of the general business conditions prevailing in the past year, is it not highly significant that so many more people bought Davey service than in the unusually prosperous year preceding?

It is the business of Davey Tree Surgeons to save trees when they can be saved. They are a unique group of men—more than 1000 of them—carefully selected for fitness, all Davey-trained and supervised and disciplined, educated scientifically in the Davey Institute of Tree Surgery, the only school of its kind in the world.

The Davey standard of professional service requires that no client's money shall be wasted on trees too far gone to save.

There are many border-line cases where there is a reasonable question about the chances of saving certain trees. Davey standards require that only first-aid treatment be given in an effort to build up

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Branch offices maintained in the larger cities and permanent representatives in many other places. Write or wire Main Office at Kent, Ohio, or the nearest branch office, for a free examination of your priceless trees without obligation on your part.

Tune in Davey Tree Surgery Hour

Every Sunday afternoon, 5 to 6 Eastern time; 4 to 5 Central time; over the Red Network National Broadcasting Company. Featuring the old-time songs that everyone knows and loves. Listen to Chandler Goldthwaite on the Skinner Residence Organ.

THE DAVEY TREE EXPERT CO., Inc., 543 City Bank Bldg., Kent, Ohio

Branch offices with telephone connections: Portland, Me., Boston, Worcester, Pittsfield, Providence, Hartford, Torrington, Westport, Stamford, New York City, White Plains, Paichogue, L. I., Hempstead, L. I., Albany, Syracuse, Rochester, Buffalo, Toronto, Montreal, Orange, N. J., Ridgewood, N. J., Madison, N. J., Philadelphia, Baltimore, Washington, Richmond, Pittsburh, Cleveland, Toledo, Columbus, Dayton, Cincinnati, Indianapolis, Louisville, Lexington, Paducah, Detroit, Grand Rapids, Chicago, Milwaukee, Oconomowoc, Wis., Minneapolis, Des Moines, St. Louis, Kansas City, Mo., Charlotte, N. C., Atlanta, Jacksonville, Orlando, Birmingham, Montgomery, New Orleans, Tulsa, Dallas.

There are no Davey Tree Surgeons except those in the employ of The Davey Tree Expert Company

DAVEY TREE SURGEONS

MARTIN L. DAVEY, President and General Manager

Sanitas is the cloth wall covering that can be cleaned with soap and water

THE vogue for cleanable wall coverings was created by Sanitas twenty-five years ago.

But Sanitas offers you more than a waterproof surface finished in oil colors—it is made of cloth which does not tear or crack on the walls.

Because of this fabric strength, Sanitas is the preferred wall covering where permanence as well as beauty is desired.

The surface of Sanitas is non-absorbent, neither water, grease nor ink stains can penetrate the outer coating, hence stains and finger marks are easily wiped off with a damp cloth, or with soap and water if necessary.

See the Sanitas Sample Book containing styles for every room. Your decorator will gladly show it to you.

Look for the Sanitas trademark on the back of each roll. If you have any difficulty in securing genuine Sanitas, write us.

THE STANDARD TEXTILE PRODUCTS CO.
320 Broadway Dept. 30 New York



Write for Booklet and Samples

Booklet in colors offers many helpful decorative suggestions

SANITAS
MODERN
WALL COVERING

HELPFUL HINTS to HOME BUILDERS



BEFORE you build

Consider screens while planning the new home. Screening is a most important detail—worthy of thought and care in advance. Permanently good looking, smooth working and enduring screens do not come through afterthought. Write today for the Higgin Screen Booklet—a liberal education on this subject, the essence of 37 years' experience in national screening service. No obligation involved.

ENDURATED—The exclusive Higgin design and construction which insures utmost quality and enduring service.



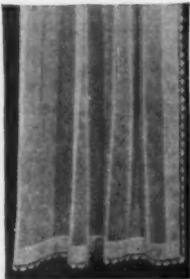
The Higgin Manufacturing Company,
Newport, Kentucky.
Please send me the Higgin Screen Book.

NAME _____
 ADDRESS _____
 CITY _____ STATE _____

NU-TONE Marquisette

... Ask
... and you will receive ...

a generous sample of this Nu-Tone French marquisette. No. M176.

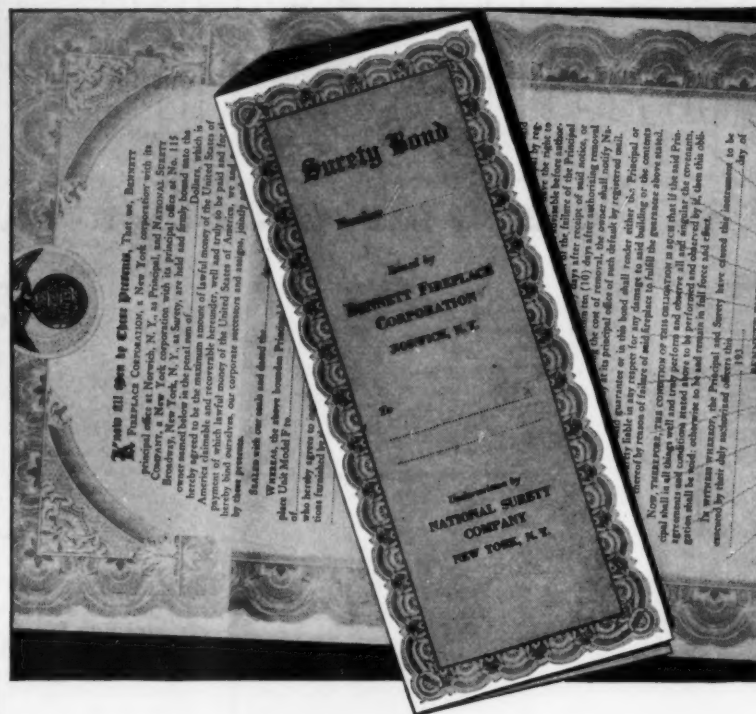


It is cobweb sheer, lustrous as sunshine on dancing waters... hangs in even, graceful folds... and launders like a linen handkerchief.

You'll like it for your own rooms, for it is a lovely neutral tone that will harmonize with any furnishings. You can take the sample and then match it in your local stores in the curtain styles and lengths you want. Just send your name and address, and we'll send you the sample by return mail.

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

BONDED fireplaces NEVER smoke



THIS BOND GUARANTEES

... a correct, smokeless burning, heating and ventilating Bennett Bonded Fireplace in your new home.

This BOND is underwritten by the National Surety Company, with capital and surplus of \$25,000,000. We must live up to its terms. No other fireplace does—nor can do what the Bennett does. Its cost is so low that you cannot afford to risk your fireplace investment, when this BOND insures it, absolutely.

To get the utmost in pleasure, satisfaction, comfort and usefulness out of your fireplace, send the coupon below.

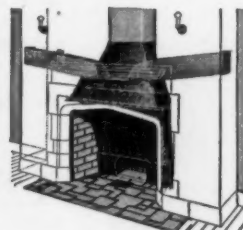
BENNETT FIREPLACE CORPORATION • NORWICH, N. Y.



Old-style fireplace. Chimney draft draws cold air into house. COLD, it drops to floor, chills it and passes up chimney. No ventilation. Cold house.



Bennett Bonded Fireplace. Fresh outdoor air drawn through fireplace and warmed. Circulates to other rooms. Full ventilation and effective heat.



For Free Book fill in Coupon and return to Dept. B-6, Bennett Fireplace Corporation, Norwich, N. Y.

Please check
 New Construction
 Remodeling
 Existing Fireplace

For fireplaces already built we suggest Bennett Fireplace Heater-Ventilator (not bonded) which has all the heating and ventilating features of the Bennett Bonded Fireplace.

Name.....
 Street.....
 City.....State.....



When You Want ACTION!

JUST as a fire under a mule's anatomy gets quick results, so a Cadwell No. 10 Air Valve on a half dead radiator brings it to life immediately.

"Air bound" radiators are usually caused by old style or worn out valves that won't let the cold air out so the hot air can get in.

A Cadwell No. 10 Thermo Air Valve stays open until all the cold air is out, and then closes up tight at the first touch of steam and stays closed. The result is a radiator that is hot all over.

If your dealer hasn't Cadwell No. 10's, we will send you one or more for \$1.00 each postpaid. Anyone can attach them, and they're guaranteed for five years.

If you wish to go further and have a vacuum system, order Cadwell No. 20 Vacuum Air Valves instead of the No. 10. They increase the heat response, save fuel and completely modernize your heating plant. \$3.00 each. Order one for each radiator and one No. 20 Basement Return Valve at \$3.50. Guaranteed for five years by

The Beaton & Cadwell Mfg. Co.
New Britain, Conn.

CADWELL No. 10 AIR VALVE



Allows the Radiator to Heat from End to End

For Steam Heat Only

MAIL THIS COUPON Send No Money

The Beaton & Cadwell Mfg. Co.
Dept. 10, New Britain, Conn.

Gentlemen:
Please send me..... Cadwell No. Air Valves at \$..... each. I will pay postman when received.

Name.....
 Address.....



Devices for American Homes



WHEN a piece of soap becomes too small to handle easily, just slip it into this rubber sponge and you can still use it. The sides of the sponge are perforated, permitting a constant supply of lather as well as clean water. Useful for bathing, massaging, or dishwashing. It floats and keeps soap above water line. Price 50c postpaid, from Carson, Pirie Scott Co., State Street, Chicago, Illinois.

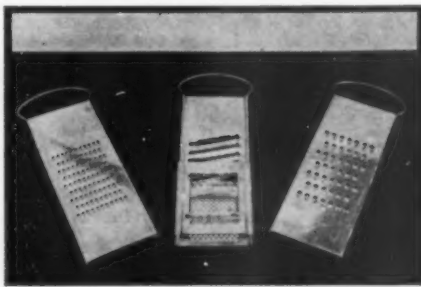
We are showing this month a variety of practical and inexpensive household devices. They are all brand new but of proven reliability and are guaranteed by their manufacturers. Any of these articles can be purchased by sending your check or money order to the firms mentioned below. For any other information on household devices just write Shirley Paine.



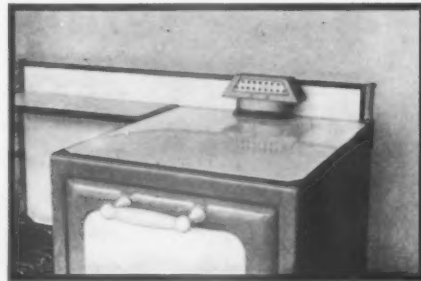
PLACE the "Tea Tab" in a cup of boiling water and you have a delicious cup of tea delicately flavored with lemon, orange, or rum. And—no tea grounds to empty afterwards. A box of 100 packages, each package containing two tabs each, costs only \$3.30. The gift box is \$1.00 and they will send a dozen of these specially priced at \$7.20. F.O.B. Crystal Studio, 108 East 3rd Street, Ottumwa, Iowa.



THE Handy Andy juice extractor shown above is a combination reamer and pitcher. After the fruit juice has been crushed and strained through to the pitcher leaving the seeds and pulp on the reamer, just remove pitcher and serve. Price \$1.67 postpaid. Handy-Andy Specialty Co., Inc., 534 Van Alst Avenue, Long Island City, N. Y.



WITH the Rapid Salad Set you can prepare a delicious salad in no time. It slices, shreds, and grates all kinds of fruits and vegetables quickly and evenly. The interchangeable safety guard protects your fingers from the sharp knives. Price \$1.00 per set, postpaid. Bluffton Slaw Cutter Co., Bluffton, Ohio.



THE Ventreflector helps to keep kitchen walls and curtains clean. It is simply attached to the oven vent of your gas range and dissipates the heat and grease. In white, gray, green, or ivory porcelain enamel \$1.50 prepaid. In black Japan \$1.00 Monarch Products Co., Inc., 434 North Front Street, Baltimore, Md.

THE "Betsy Ross" ironing board (right) is the only one made which is adjustable to four different heights, from 28 to 34 inches, thus assuring comfort in ironing for either short or tall persons. Also permits the work to be done while the worker is seated.



IN THIS board (left) the four legged adjustable height is designed to give particular convenience in pressing dresses, as it has a full 29-inch clearance space. Also when folded up the top does not touch the floor, thus keeping the cover of the board clean.



THE ironing board shown above has a full-size ironing top 54" long 15" wide and $\frac{3}{4}$ " thick. Four sturdy wooden legs make it absolutely rigid, preventing tipping and sliding when in use. All metal parts painted an attractive green. Price \$4.00 prepaid. Beh & Co., Inc., 1140 Broadway, corner 26th Street, N. Y.

THE pictures on the left and right show the old and new way to remove ashes. The dustless ashcan cover fits over any standard ashcan. To operate you simply push the shovel through the swing door and as soon as the shovel is removed the door automatically closes, preventing dust from escaping. Price \$2.00 F.O.B. Woodworth Specialties Co., Binghamton, N. Y.





There are many cost savings in contracting NOW for a new home or for modernizing an old one. WEATHERBEST Dealers are especially qualified to serve you.

A Home in St. Paul by the West End Lumber Co. Arch't—Albin Wall. WEATHERBEST Dark Gray Sidewalls and Green Roof.

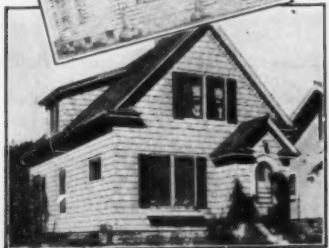
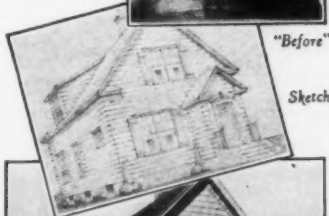
WEATHERBEST Dealers Help Establish New Building Values

WEATHERBEST Stained Shingles have established their greatest value as a sidewall material . . . for beauty, for lifelong economy, for low first cost over other materials. Finest pigments and oils bring out the beautiful texture of hand-selected edge grain cedar.

Enhanced with colorful roofs they give a home distinction, new color charm, and freedom from repair and repainting expense. There is nineteen years' experience behind the WEATHERBEST Policy: "Not to cheapen materials or process to meet price competition." WEATHERBEST are super-stained shingles but not cheaper building material.

To Modernize an Old Home

Write for a practical book showing examples of homes modernized the WEATHERBEST Way. If you will send Kodak or other picture of your present home our FREE Sketch Service Dept. can show you or your lumber dealer how exterior changes may be made at lowest possible cost. You can increase the sale and living values of your present home two to four times the WEATHERBEST Way. WEATHERBEST STAINED SHINGLE CO., INC., 3133 Island St., North Tonawanda, N. Y.



WEATHERBEST STAINED SHINGLE CO., Inc. Plants: N. Tonawanda—Cleveland—St. Paul. Warehouses in leading centers 3133 Island St., North Tonawanda, N. Y.

- Enclosed is 10c (stamps or coin) for postage and handling.
- Please send WEATHERBEST Color Chart and Portfolio of Photogravures showing WEATHERBEST Homes in full colors.
- Enclose booklet on Modernizing and Reshingling old homes.
- Enclosed is Kodak or other picture for FREE Service Sketch.

Name Address

Wouldn't it be wonderful
IF THERE WERE A BETTER WAY
THAN scrubbing LINOLEUM?

There is!

- Follow it just once—this method—and you're through forever with hard labor on floors!
- This special blended wax—Johnson's Liquid Wax—isn't only a beautiful polish—it's a labor-saving method! Easier for you—better for linoleum. It must be—or all linoleum manufacturers wouldn't urge you to follow it. Here's how you handle spots without scrubbing or strong cleansers:



- A little of the golden wax on a clean rag . . . go over the spot . . . that's all. The soil comes up instantly. The scientific "cleaner" contained in the wax loosens the dirt and then evaporates. A fresh protective film of wax is deposited. So that actually whenever you clean a spot, you renew the wax finish at the same time.
- But there's better news yet! Instead of scrubbing or mopping the whole floor once a week—a general maintenance measure—here you wax it only once a month. By machine if you want to! You can rent a Johnson polisher from your

dealer, who will deliver and call for it—for a nominal charge. • Treated this way—your linoleum will last practically forever. Not simply be serviceable—but fresh, serene, and "new." And the real joy is—you won't have to do half as much work on it. FURNITURE, TOO—and woodwork—Dusting furniture and cleaning woodwork are both cut way down when you use this special blended wax for maintenance. Saves its cost many, many times in preventing unnecessary wear and depreciation.

Johnson's Wax for homes and automobiles • In paste and liquid form.

Send 10c for 25c trial can

S. C. JOHNSON & SON, Dept. AH.2, Racine, Wis. GENTLEMEN: Please send a 25 cent can of Johnson's Liquid Wax. Enclosed is 10 cents to defray part of cost and postage.

Name Address

PLEASE PRINT

From a 17th Century New England Home . . .



came the inspiration for this "Secrétaire" . . . a handsome creation by Conant-Ball of Boston which faithfully conserves the distinction of a Chippendale motif. Just as craftsmanship releases the very soul of furniture, so Conant-Ball artisans have transmitted from father to son through generations, the genius to reproduce the true Colonial spirit.



The 17th Century rush-seat chair . . . also showing Chippendale influence . . . is another charming Colonial reproduction that lends significant interest to the modern home.

Rocker-chairs originated in New England, and this truly comfortable slat-back rocker is reproduced from originals found in Connecticut and dating from about 1710.

Conant-Ball Colonial furniture is sold through leading furniture dealers throughout the country.



CONANT-BALL COMPANY
MAKERS OF COLONIAL FURNITURE

76 Sudbury Street  Boston, Massachusetts

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 396. We will forward your name and address to the manufacturers involved, and they will send their literature direct to you.

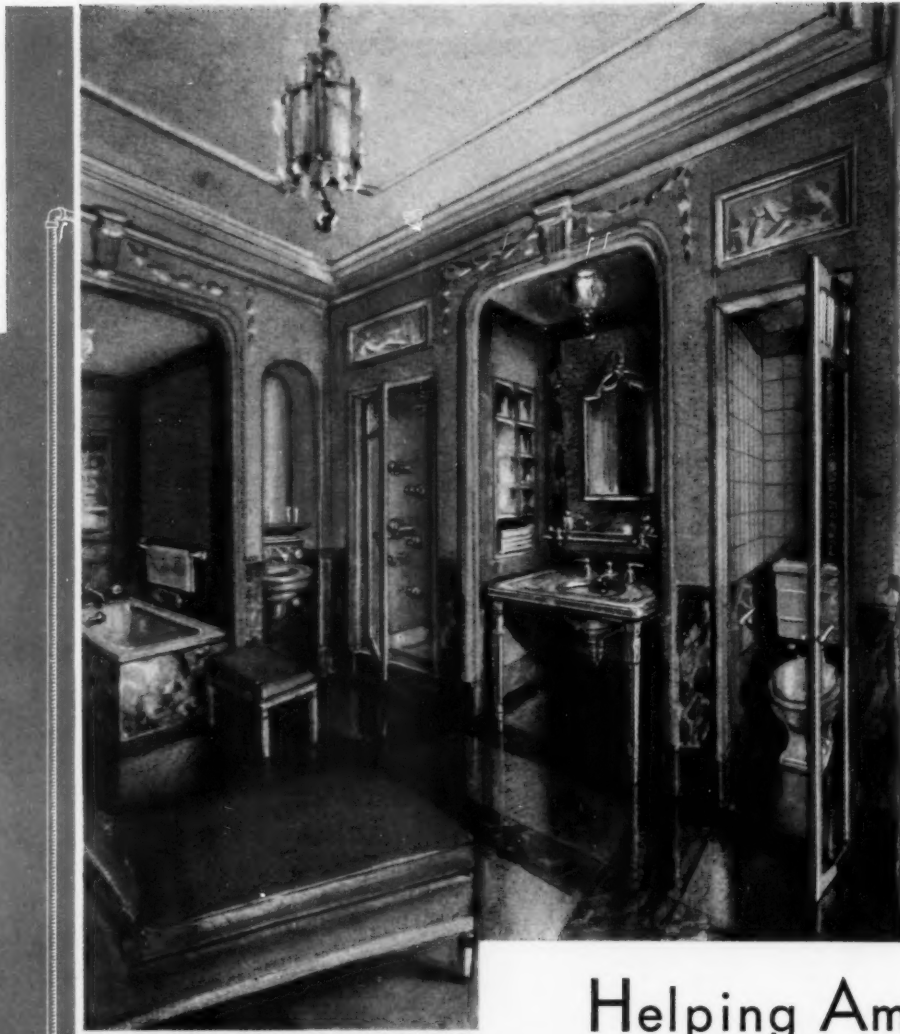
—HEARTHSTONE EDITOR

ORDER BY NUMBER ONLY, USING COUPON ON PAGE 396

Building Material & Equipment

House Wiring Installation			
HOME OF A HUNDRED COMFORTS <i>General Electric Co.</i>	500	MAKING BATHROOMS MORE ATTRACTIVE <i>C. F. Church Mfg. Co.</i>	31
Lumber		PLUMBING FIXTURES IN COLOR <i>Trenton Potteries Co.</i>	480
BEAUTIFUL WOODWORK AND HOW TO HAVE IT <i>Arkansas Soft Pine Bureau</i>	140	BATHROOM MAGIC <i>Brunswick-Balke-Collender Co.</i>	607
BEAUTIFUL BIRCH FOR BEAUTIFUL WOODWORK <i>Northern Hemlock & Hardwood Ass'n</i>	10	COLOR & STYLE IN BATHROOM FURNISHINGS <i>Standard Sanitary Mfg. Co.</i>	138
PICK O' THE PINES <i>Western Pine Mfrs. Ass'n.</i>	555	ONE PIECE WATER CLOSETS <i>W. A. Case & Sons</i>	568
SPECIFY SHEVLIN PINE <i>Shevlin, Carpenter & Clarke</i>	612	Hardware	
PLANS OF CUT HOMES <i>The Gordon-Van Tine Co.</i>	341	THE WINDOW ARTISTIC <i>International Casement Co.</i>	23
NINETY BETTER BUILT READY CUT HOMES <i>Bennett Lumber Co.</i>	136	GOOD BUILDINGS DESERVE GOOD HARDWARE <i>P. & F. Corbin Co.</i>	186
MONEY SAVED FOR BUILDERS <i>Southern Cypress Mfrs. Ass'n.</i>	551	HARDWARE FOR UTILITY AND ORNAMENTATION <i>Sargent & Co.</i>	464
THE WHY OF LAMINEX DOORS WHICH WILL NOT SHRINK, SWELL, OR WARP <i>The Wheeler, Osgood Co.</i>	650	IDEAL SCREENS FOR CASEMENT WINDOWS <i>Rollscreen Co.</i>	352
MODERN HOME INTERIORS <i>National Lumber Mfrs. Ass'n.</i>	656	YOUR WINDOWS THROUGH A DECORATOR'S EYE <i>David Lupton's Sons Co.</i>	521
Brick, Cement, Stone & Tile		WIRE CLOTH SCREENS <i>The Gilbert & Bennett Mfg. Co.</i>	353
INDIVIDUALITY & BEAUTY <i>American Face Brick Ass'n.</i>	18	HINTS FOR WINDOW, DOOR, & PORCH SCREENS <i>Wickwire Spencer Steel Co.</i>	430
WILL YOUR HOUSE BE AS BEAUTIFUL INSIDE AS OUTSIDE? <i>The C. Pardee Works, Inc.</i>	522	SCREENING YOUR HOME <i>The Higgin Mfg. Co.</i>	27
BEAUTIFUL HOMES OF CONCRETE MASONRY <i>Portland Cement Ass'n.</i>	496	STANLEY TOOLS FOR THE AMATEUR CARPENTER <i>The Stanley Rule & Level Plant</i>	611
HOMES OF PERMANENCY <i>Structural Clay Prod. Co.</i>	567	STANLEY WROUGHT HARDWARE <i>The Stanley Works</i>	585
INDIVIDUALIZING THE AMERICAN HOME <i>Briar-Hill Stone Co.</i>	622	FLOOR PROTECTION—NO MAR FURNITURE RESTS <i>Bassick Manufacturing Co.</i>	667
MODERNIZE YOUR HOME <i>Mosaic Tile Co.</i>	635	Walls & Floors	
HOME MODERNIZING AT MODERATE COST <i>National Steel Fabric Company</i>	672	BEAUTIFUL FLOORS <i>A. S. Boyle Co.</i>	50
BEAUTY IN BRICK <i>The Finzer Bros. Clay Co.</i>	681	STYLE IN OAK FLOORS <i>The E. L. Bruce Co.</i>	435
Roofs		NEW COLOR ENCHANTMENT IN HARD MAPLE FLOORS <i>Maple Flooring Mfrs. Ass'n.</i>	3
COLOR IN ASBESTOS SHINGLES <i>Johns-Manville, Inc.</i>	14	AMBLER ASBESTOS "WALTILE" <i>Ambler Asbestos Shingle & Sheathing Co.</i>	528
THE CONSTRUCTION OF THATCH ROOFS <i>Weatherbest Stained Shingle Co.</i>	84	MAKING A FLOOR LIVE LONGER <i>Donald Durham Mfg. Co.</i>	531
ENGLISH THATCH ASBESTOS SHINGLES <i>Ambler Asbestos Shingle & Sheathing Co.</i>	529	THE MODERN TREND IN WALL COVERINGS <i>Columbus Coated Fabrics Corp.</i>	605
THE WEATHER CAN'T BUDGE THEM <i>Barber Asphalt Co.</i>	481	THE SECRET OF BEAUTIFUL FLOORS <i>Floorola Corporation</i>	657
MAKING OLD HOUSES INTO CHARMING HOMES <i>Weatherbest Stained Shingle Co.</i>	662	Paints & Varnish	
BEAUTIFY YOUR HOME—INEXPENSIVELY <i>Johns-Manville Co.</i>	677	SHINGLE STAIN <i>Samuel Cabot, Inc.</i>	160
Insulating Materials		ALUMINUM PAINT—A PRIMING COAT OF ACTUAL METAL <i>Aluminum Co. of America</i>	538
THE BUILDING BOOK <i>Celotex Co.</i>	415	THE WHITEST WHITE HOUSE IN TOWN—BAR-RELLED SUNLIGHT <i>U. S. Gutta Percha Paint Co.</i>	539
THE QUILT BOOK <i>Samuel Cabot, Inc.</i>	397	CREO-DIPT BRUSHCOAT STAINS AND COLOR CHART <i>Creo-Dipt Co.</i>	645
HOUSE COMFORT THAT PAYS FOR ITSELF <i>Wood Conversion Co.</i>	434	Ventilating Systems	
INCREASING HOME ENJOYMENT <i>Insulite Co.</i>	284	SWEET KITCHENS—BY WEST WIND <i>West Wind Corp.</i>	597
A NEW STANDARD OF HOME CONSTRUCTION <i>Chicago Mill & Lumber Co.</i>	599	Awnings and Porch Shades	
JUST BETWEEN YOU AND THE WEATHER <i>U. S. Mineral Wool Co.</i>	459	WARREN'S PORCH SHADES <i>Warren Shade Co.</i>	517
HOME INSULATION <i>Johns-Manville Co.</i>	616	THE CORRECT AWNINGS FOR YOUR HOME <i>Otis & Co.</i>	590
IT SAVES—IT BUILDS—IT INSULATES <i>Johns-Manville Co.</i>	679	Blinds	
Plumbing Fixtures & Bathroom Equipment		BURLINGTON VENETIAN BLINDS <i>Burlington Venetian Blind Co.</i>	576
NEW BEAUTY & UTILITY IN PLUMBING FIXTURES <i>Kohler Co.</i>	104	KANE QUALITY VENETIAN BLINDS <i>Kane Mfg. Co.</i>	668
THE VITAL ELEMENT <i>A. M. Byers Co.</i>	196	Sewage Disposal Systems	
RUST PROOFED <i>American Brass Co.</i>	217	DEPENDABLE SEWAGE DISPOSAL <i>San-Equip, Inc.</i>	526
BATHROOM ARRANGEMENT <i>Crane Co.</i>	32	RIVERSIDE ASPHALTED SEPTIC TANKS <i>Riverside Boiler Works</i>	218
PIPE POINTERS FOR HOME BUILDERS <i>Reading Iron Co.</i>	519	Glass	
Heating Equipment		QUALITY IN GLASS FOR WINDOWS <i>Libbey-Owens-Ford Glass Co.</i>	670
FIREPLACE UNITS <i>Heatlator Co.</i>	419	Heating Equipment	
FIRE THAT BURNS UP HILL <i>Spencer Heater Co.</i>	316	A MODERN HOUSEWARMING <i>U. S. Radiator Corp.</i>	172
COMFORT HEAT <i>Burnham Boiler Corp.</i>	281	FIREPLACES OF TRUE VIRGINIA BRICK <i>Old Virginia Brick Co.</i>	387
HEAT, THE EASIEST, CHEAPEST WAY <i>Newport Boiler Company</i>	530	HOT WATER SERVICE FOR THE HOME <i>Riverside Boiler Works, Inc.</i>	641
IN-THE-WALL-RADIATORS <i>Rome Brass Radiator Corp.</i>	392	WHAT MAKES A HOME <i>Colonial Fireplace Co.</i>	119
AUTOMATIC COAL HEATING <i>Iron Fireman Mfg. Co.</i>	591	CADWELL RADIATOR AIR VALVES <i>The Beaton & Cadwell Mfg. Co.</i>	515
ECONOMICAL HOME HEATING <i>Pierce, Butler & Pierce</i>	620	CONTROLLED HEAT <i>Hoffman Specialty Co.</i>	606

(Continued on page 396)



CRANE LOUIS XVI
 TRIANON FITTINGS
 GOLD PLATED

Helping American home-makers to create a new room

Rich resources of the world have been brought together by Crane Co. to help home planners create a new, distinctly American room . . . the bathroom of today.

From Italy was imported the Brocatello Sienna marble of the *Chateau* lavatory and the dental lavatory illustrated above. The designs of the lavatory and the Louis XVI metal-work and trimmings used throughout this bathroom are the work of French artists. The colored marble-enclosed *Tarnia* porcelain bath and the vitreous china closet, reviving an ancient and beautiful art, were produced at the Crane potteries in America. The working parts of the quiet *Corwith* closet, the sure-action pop-up *Accesso* bath waste, the mechanical perfection of the glass-enclosed shower, were

developed by our most resourceful and experienced production engineers.

In Crane Exhibit Rooms in every important city in America, such materials . . . and a wealth of other ideas for the smallest Cape Cod cottage as well as for town houses in chateau or villa style . . . are on display. Here you can see before you buy, and familiarize yourself with all possibilities.

No one nowadays should make the permanent investment in plumbing and heating upon which the comfort, convenience, and value of a house depend without visiting these Rooms. Your architect will help you plan. To buy, see a Crane Qualified Contractor-Dealer, always a skilled registered or licensed master plumber or heating contractor.



CRANE

FIXTURES, VALVES, FITTINGS, AND PIPING, FOR
 DOMESTIC AND INDUSTRIAL USE

Crane Co., General Offices: 836 S. Michigan Ave.,
 Chicago • 23 W. 44th St., New York

Branches and sales offices in one hundred and ninety-six cities

ALUMINUM PAINT—THE COAT OF METAL PROTECTION



Leafing... flat flakes of aluminum overlap to form a coat of metal protection

You've seen leaves fall, pile up, overlap, one upon another, into a compact mass. When applied, the minute leaf-like flakes of pure Alcoa Aluminum that comprise the pigment of aluminum paint, "leaf" on the surface of wood or metal in like manner.

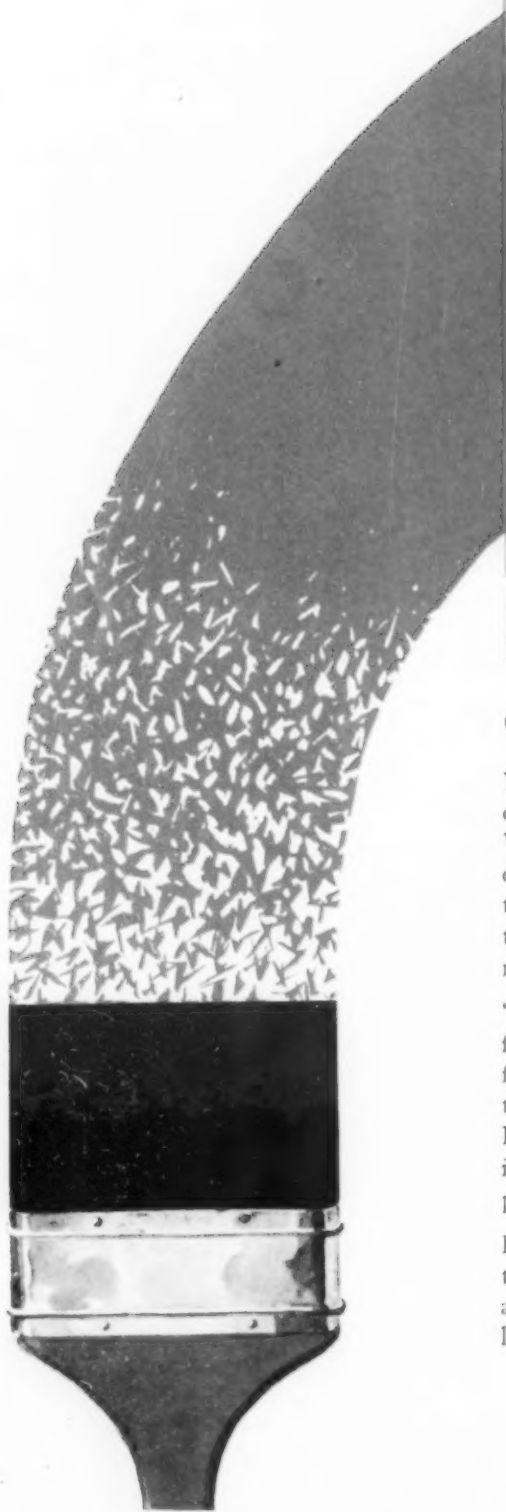
"Leafing", overlapping, the thin, flat flakes of this aluminum paint pigment form a continuous coat of metal protection which retards moisture penetration. Result—the formation of rust on metal is checked, the warping of wood is prevented.

In first cost, aluminum paint is just about the same as other high grade paints. Used as a priming coat on both sides of new lumber, it not only retards moisture

penetration, but adheres firmly and provides an excellent "tooth" to which successive paint coats can cling tightly. On wood, aluminum paint can be used as an undercoat when repainting; on metal, as a finish coat; as a finishing touch on scores of articles in the home.

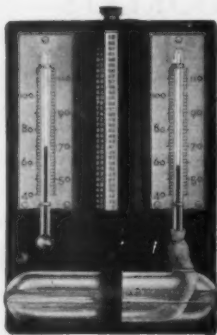
Aluminum Company of America does not sell paint. But aluminum paint made with satisfactory vehicles and Alcoa Albron Powder may be purchased from most reputable paint manufacturers, jobbers and dealers. Be sure the pigment portion is Alcoa Albron, and is so designated. Let us send you the booklet, "Aluminum Paint, the Coat of Metal Protection." Address ALUMINUM COMPANY of AMERICA; 2423 Oliver Building, PITTSBURGH, PENNSYLVANIA.

ALCOA ALBRON
POWDER FOR
ALUMINUM PAINT



**How Dry
is Your Home?**

Do you cough your way through winter? Do you suffer innumerable colds? Do you shiver in temperatures that should be comfortable? If you do, it's a sure sign that the air in your home is too dry. Health authorities agree that moisture should be in the air in sufficient quantities. The way to tell the actual conditions is with a



Tycos

HUMIDIGUIDE

This is a scientifically constructed hygrometer, with a quick reference table that will give you the percentage of moisture actually present in the air. You can regulate accordingly.

Tycos Humidiguide has a handsome bakelite case in either mahogany or ebony finish. It has accurately matched permacolor thermometers and easy reading figures and graduations. The quick reference humidity scale is easily used. Tycos Humidiguide will save illness, coal, money. You owe it to your family to get one immediately.

Your dealer should have them. If he will not order, send us his name and \$6, and we will ship direct, safe delivery guaranteed **\$6**

Taylor Instrument Companies

117 Ames Street Rochester, New York

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



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IF you choose to live all the time or part of the year in the open, away from congested city streets, then you have one new problem in your plans for comfortable, healthful living. That problem is the treatment and final disposal of the waste from the kitchen, laundry and bath room.

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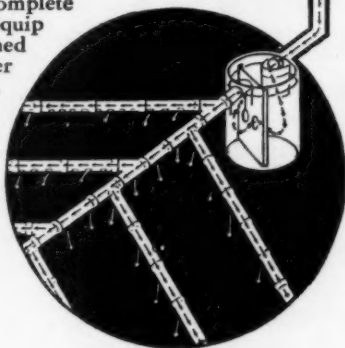
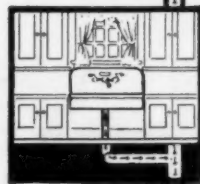
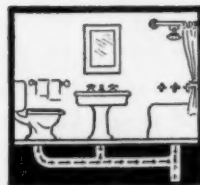
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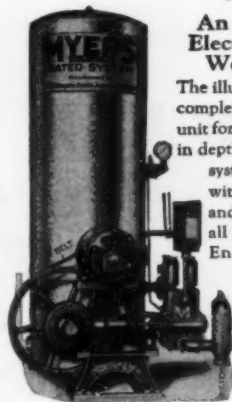
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Pumps, Water Systems, Hay Tools,
Door Hangers

MYERS
Self-Oiling
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Fig. 2510

**An Automatic
Electric Shallow
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The illustration shows a complete Water System unit for wells up to 22 feet in depth. This MYERS system is equipped with pressure tank and electric motor, all ready to install. Entirely automatic in action—no attention necessary. Self-starting, self-stopping, self-oiling. Capacity 250 gallons per hour.



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PUMPS - WATER SYSTEMS - HAY TOOLS - DOOR HANGERS



"I always tell this to the ladies"

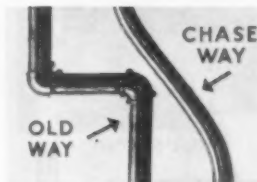


"When ladies ask me how to fix rust-clogged pipes, I tell them to let me use Chase Copper Water Tubing and I won't have to tear up their homes," says master plumber

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Chase Flexible Copper Water Tubing is rust-proof, heat-proof, freeze-proof and will stand forty times the average city water pressure. Chase Brass & Copper Co., Incorporated, Waterbury, Connecticut.

CHASE COPPER WATER TUBING

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When a new house is being built, and open walls make rigid pipe easy to install, use Chase Alpha Brass Pipe. It costs only 3/4 of a cent per building dollar more than the cheapest rustable pipe—for example, about \$75 more for a \$10,000 house.

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Continued from page 392

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Be sure that you have first looked through the advertising pages and requested booklets direct from the advertiser wherever possible.
—HEARTHSTONE EDITOR

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

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2. Please send (at no expense to me) the following booklets.
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P. O. Address.....

City..... State..... Feb. 1

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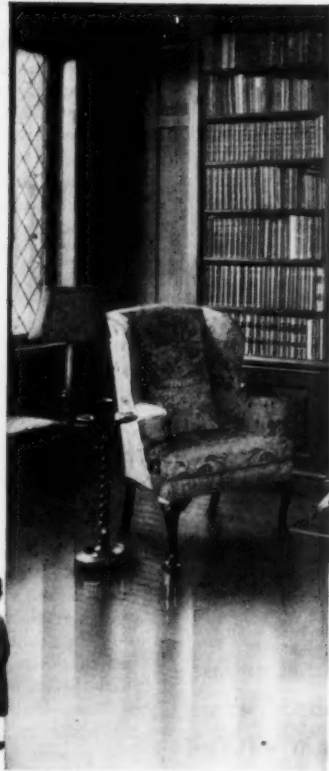
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"It's surprisingly easy to use!"

"Yes, and its finish lasts longer."

A NEW and secret way of emulsifying and blending wax has been found that will save you a great deal of work and worry—not to mention expense.

As a matter of fact, waxing a floor is now almost as easy as sweeping. And frequent re-waxing is unnecessary.

For this remarkable new process—called the Koric Process—removes the objectionable features of ordinary wax and makes a super-fine compound that is creamy-smooth, supple and exceedingly durable. Neither heavy, slow-drying nor sticky.

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Then, with the passing of days and weeks, your admiration will increase as you watch the rich, velvety surface resist wear, heel-marks and scratches much longer than you expected. Now wax your painted, shellaced, varnished, waxed, or linoleumed floors—keep them gleaming like new and at the same time save yourself a lot of work . . . Use this new-process wax.

Attention: There's just one wax prepared by the exclusive Koric Process . . . and that is *Old English*. Made by The A. S. Boyle Co., Cincinnati, Ohio, and Windsor, Ontario.

Old English Wax

THE ONLY WAX MADE BY THE KORIC PROCESS



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Special construction absolutely prevents contamination. See your plumber, or write for complete information.



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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 _____

From springs to spreads

Continued from page 361

down, but feather pillows are more commonly used and quite as comfortable and practical.

Those of us who count crisp fresh sheets among the compensations of a highly organized civilization will enjoy choosing sheets from the new selections in the shops, for the offerings include finely woven fabrics in white, solid colors, or in white with the daintiest of garden tinted trimmings, bindings, hems, and borders. Sheets—and the term includes pillow cases as well—may be ordered initialed, scalloped, hemstitched, or lace bordered, or unadorned with perfect assurance as to their correctness.

Full sized sheets contribute more than any other one thing to the perfect dressing of the bed, for the primary purpose of sheets—protection for the mattress and blankets—cannot be realized in short lengths. The 108-inch torn length sheet is accepted as the standard. An excellent quality of white sheeting can be bought by the yard at seventy-five cents for eighty-one-inch width. The prices on ready-made sheets are fairly well standardized, the best quality of white cotton being regularly priced at about \$2.00 with pillow cases to match at forty-five cents each, while the good medium grades are less.

A third sheet is often used on the bed in place of a blanket cover and then the sheets are purchased in sets of three. But what a shame to cover the blankets if one owns any of the lovely new flower tinted ones! The vogue in blankets now is for solid

colors and the exquisite shades with plain or contrasting sides and bindings accent the beauty of fine woolen nap and the texture and workmanship of the fabrics themselves.

For warm climates, auxiliary use, and in-between seasons, cotton blankets because of their smaller cost are in common use and are popular for light covering. In many modern houses with exceptional furnace heat at all times, cotton blankets are sufficient covering for winter months, even in cold climates and with adequate ventilation.

Comfortables, like blankets, favor plain colors, or plain colors faced with a contrasting shade, but certain patterned styles have enjoyed considerable popularity recently. It is well to remember that a cotton covering will soil more quickly than will either silk or artificial silk.

The bedspread may be anything from corded silk to quilted toile, depending entirely on the bedroom itself and on the budget. If the room is demure a point d'esprit cover for the bed may be ruffled to match the window curtains, while candlewick spreads are charming in Colonial rooms. India prints for the room that demands a spread colorful and practical, toile de Jouy, for the provincial room, chintz, for the sunny informal room, lustrous taffeta or moiré for the dainty French room, entralling pictorial prints for the very young room—but fluttery or tailored, the spread is the most versatile of all bed fittings.

**KNITTING WOOL
RUG YARNS**
300 samples free—prompt mail service
40 SMALL SKEINS GERMANTOWN \$1.00
ASSORTED BRIGHT COLORS
Colonial Yarn House
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BEAUTIFUL BIRDS
5 Pairs Assorted for \$16.50
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**how much
IS YOUR TIME WORTH?**

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Sprinkle a little *Sani-Flush*, an antiseptic, cleansing powder, into the toilet. Follow the directions on the can, flush, and instantly the bowl becomes spotless. All odors are eliminated. All germs killed. Even the hidden trap, which no brush can reach, is purified and cleansed. And *Sani-Flush* cannot injure plumbing.

Sold by grocery, drug and hardware stores, 25c; in Canada, 35c. The Hygienic Products Co., Canton, Ohio. (Another use for *Sani-Flush*—cleaning automobile radiators. See directions on can.)

**Sani-Flush
CLEANS CLOSET BOWLS
WITHOUT SCOURING**

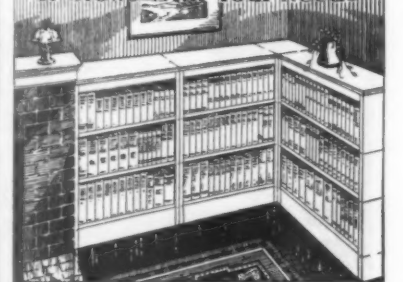
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by Sherwood Eddy... Plain speaking on the sex problems of the young "the greatest area of suffering at the present time."

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**Like a "BUILT-IN"
Bookcase yet Sectional
and Portable**

It Grows With Your Needs



Per Section Lacquer \$4.50; Unfinished \$3.00

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SECTIONAL BOOKCASE**

Most desirable and economical bookcase for home or office. Sectional; never too large or too small; fits odd spaces and grows with your needs. Price of single three book section stack with top and base, style shown above, unfinished (for home painting) \$12.00; imitation mahogany or walnut, \$13.25; colored lacquer, \$19.00. Other styles in oak, mahogany, walnut, etc., with doors, at correspondingly low prices. Shipped direct from factory on approval at a big saving TO YOU. Write for catalog No. 63.

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Manufacturers of Sectional Bookcases Since 1899
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Conveniences for tidy clothes closets

With K-Veniences there is no more rummaging in dark closets, no more messing, jamming, and wrinkling of clothes. K-Veniences protect your garments, save space, and make your clothes closets orderly and presentable.



The Clothing Carrier is a roller-bearing rod that fastens in the closet, enabling you to pull your clothes out into the light of the room. Made in all sizes to fit any closet. Easily installed.



The Shoe Rack is easily fastened to baseboard, wall, or closet door. Keeps shoes off the floor, always in pairs.

Write & See

For free illustrated booklet, showing all K-Veniences at your local hardware dealer, who shows this display.

K-Veniences

Hnapo & Vogt Mfg. Co., Grand Rapids, Mich.

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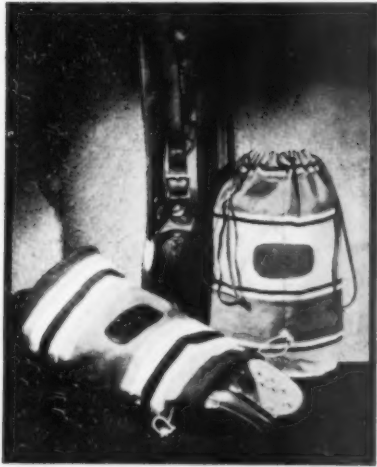
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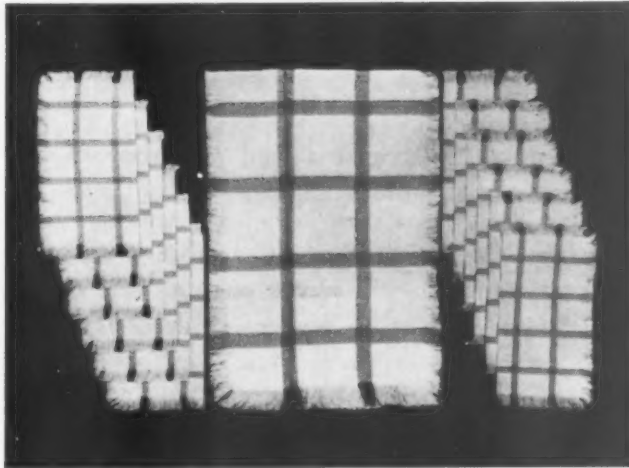
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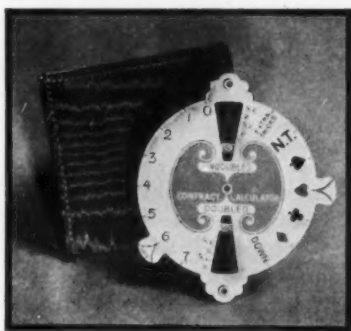
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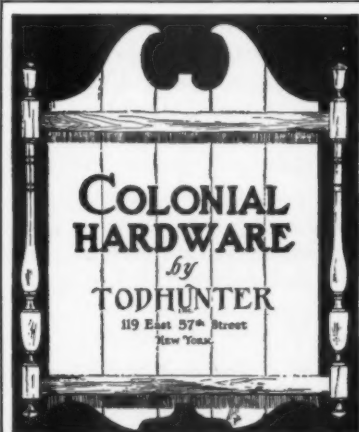


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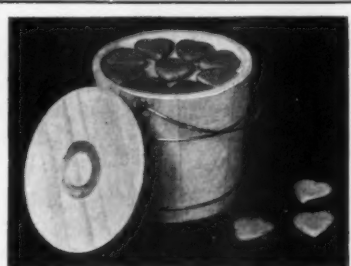
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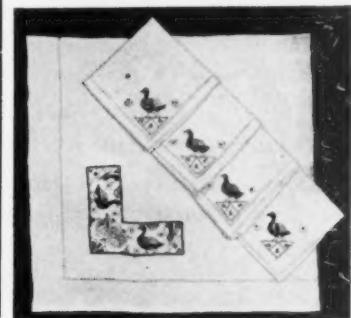


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In and About the Garden



[*Edward Parson*]

IN ANY debate on any subject the desirability of a common understanding of the subject itself is quite essential; and it is just the absence of this common understanding that leads to much apparent difference of opinion in discussing garden practice. It is quite clear that two entirely distinct types of Lupine are confused—the annual and the perennial—to say nothing of the interesting differentiation in soil preferences that it is suggested is related to the geographical distribution of the original species. When hybridization is introduced into a group of garden plants differing degrees of soil and other preferences may be encountered, which in fact makes for a large interest in certain directions. If everybody could grow Delphiniums and Lupines as easily as Dandelions or Oxeye Daisies grow themselves, there would be very little thrill in winning success—it's winning against odds, even when those odds are not recognized, that excites.

Here follow some more testimonies on the much desired, but often elusive, garden flowers:

"FLOWER" AND "GRASS" PRAIRIES IN THE SOUTH

IN TEXAS, both Delphiniums and Lupines grow wild; but I do not recall ever seeing them growing together. The Lupines (*L. sub-carnosus*, known as Texas Bluebonnet) are found in great quantities around Austin and San Antonio and in many other parts of the state. The soil about Austin is exceedingly limey; and I think that around San Antonio it is, too.

When the state was first settled, it was noted that some prairies were "grass prairies" while others were "flower prairies"—covered with carpets of bloom in spring or after rains in summer. The old settlers would point out certain spots as typical "flower prairies." The campus of the Agricultural and Mechanical College, about five miles from Bryan, was known as such a "flower prairie," and in spring used to be a marvellous sight, carpeted with scarlet Castilleja or Indian-blanket; with Delphiniums, blue and white; with Phacelia and Corydalis, and many more. But it never had Lupines at all. It was situated on a water-shed between the valleys or "bottoms" of the Brazos and Navasota rivers. On a small hill, however, which lay between Bryan and the College, and between the same river bottoms we always found the blue Lupines. Evidently the soil was different—more sandy, we noted. That same hill had a small pale blue Iris (*I. cristata*, I think) and a Trillium, that we never found elsewhere in Texas, though we had seen both in Mississippi.

Possibly it is not altogether a matter of chemical constituents of the soil, nor yet its physical condition, that determine whether certain plants thrive or dwindle, but a matter of the bacterial life as well.

Incidentally, it may be worth noting that the name Lupine is supposed to come from "lupus" for "wolf," because these plants were believed to "rob the soil of its fertility as wolves robbed the flocks." Now, modern science tells us the

legumes add fertility to the soil. How can we account for such a belief, unless the growing of Lupines added bacteria that happened to be hostile to the bacteria that were friendly to some other crop?

—Ethel Hutson, New Orleans, Louisiana

DELPHINIUMS IN ACID SOIL—NOT LUPINES

THERE is, I am sure, a confusion between the requirements of the native Lupine (*L. perennis*) which does seem to want acid soil and grows in almost pure sand and in cinders along railroad tracks, and *L. polyphyllus* (and its derivatives) which is quite another thing. I do not believe for a single minute that Delphiniums

hate acid soil in Linda Hines' garden or any place else, any more than Lupines of the polyphyllus section love acid soil there particularly or anywhere else. I have come to the conclusion that soil testing devices should be kept out of the hands of the ordinary gardener. I've grown perfectly good Delphiniums in acid soil for years but I cannot induce Lupines to grow in it; and the only good ones I have seen grow in ordinary garden soil and in sweet soil.

I thought I had solved the Lupine problem some time ago when I deduced by a process of elimination that one thing requisite was sea air as I had tried everything else and Illinois River air didn't quite suit although Lake Michigan air was fairly good.

Now I discover that Jacob Sass out on his farm and nursery in Omaha had quantities of magnificent Lupines in the usual rich corn and wheat farm land—not

acid—and he hasn't any sea air either! The one thing I am certain of concerning this plant is that it is very impatient of dry soil and hot weather. It seems to need a rather heavy, moisture retentive soil.

For some reason, probably the extreme drought, I had practically no trouble with blacks last year. In wet seasons it becomes almost impossible to have Delphiniums in this section. Strangely enough, a lot of seedlings I got from Pudor a few years ago seem immune to it. These were both the Wrexham and his Glory strains. Besides these I have Blackmore & Langdon, and (my favorites of all I have tried) the Lemoine strain, particularly for its fine robust whites and pale tinted whites. I have come to the conclusion that the cyclamen mite is only part of the blacks and that there is probably a combination of fungus and insect in it although I haven't anything to prove it except general observation without other tests. Anyhow, the lime sulphur-Black Leaf 40 prescription didn't faze the blacks either for me in my light acid soil or for my sister in her heavy clay sweet soil where they are much worse than for me.

I shall watch with great interest for anything on the subject of Delphiniums, particularly as to blacks, and how Lupines can be made to grow. I now regard them as acts of Providence as defined in the law—like lightning and cyclones—they either happen or they do not and there is nothing to be done about it.

—D., Illinois



The modern Delphinium has achieved great size in the individual bloom. Actual size photograph sent by O. M. Pudor

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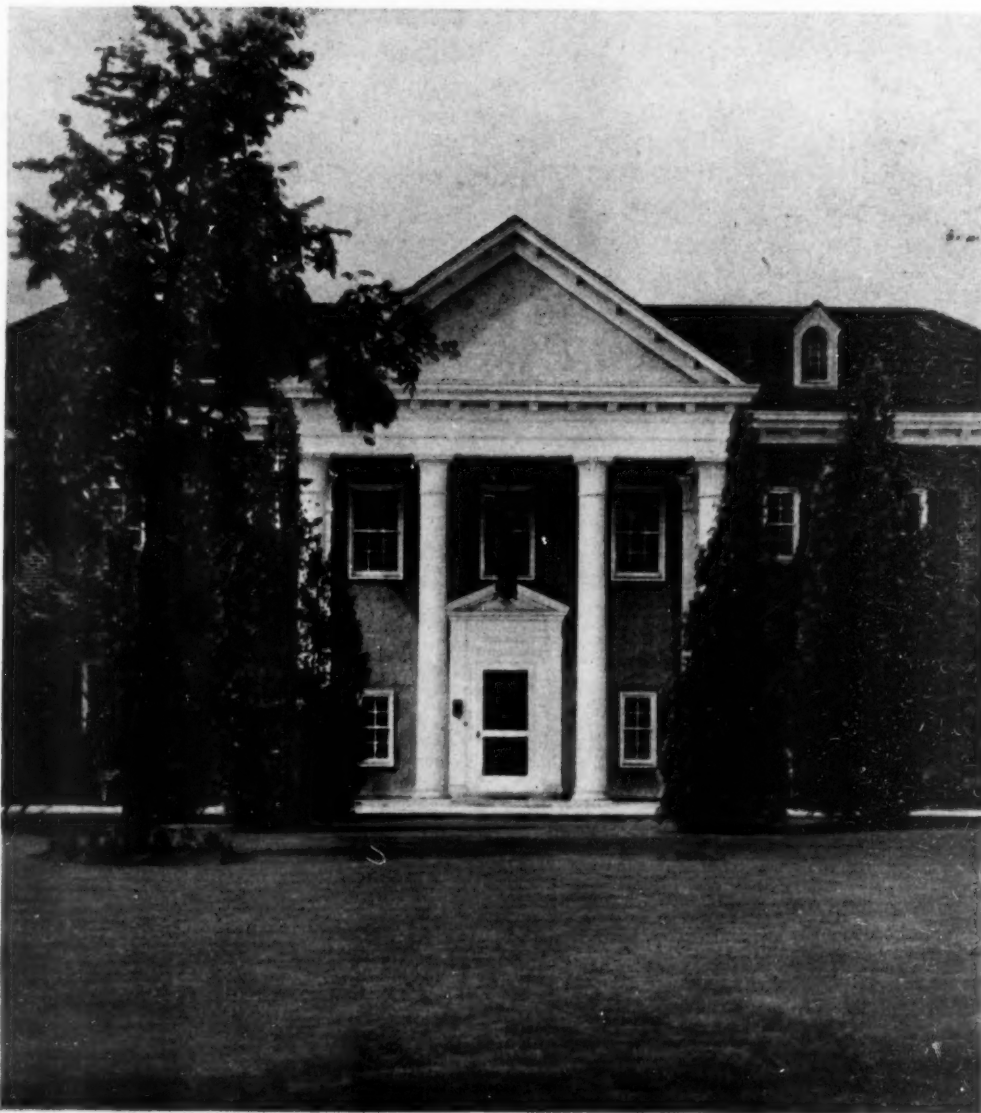
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Big Boston
Lettuce



Ponderosa Tomato



Garden Reminders



In gardening a date can only be approximated. Generally the latitude of forty degrees at sea level and a normal season is taken as standard. Roughly, the season advances or recedes fifteen miles a day, thus Albany would be about ten days later than New York (which is latitude 42).

The latitude of Philadelphia is a week earlier. Also allow four days for each degree of latitude, for each five degrees of longitude, and for each 400 feet of altitude. Latitude 40 approximates a line through Philadelphia, Pa.; Columbus, Ohio; Richmond, Ind.; Quincy, Ill.; Denver, Colo.

NORTH

FINISH planning your garden. It is essential to know what seeds and plants you will need, and there is little time to lose. Buy your seeds.

Continue winter pruning and spraying. Get rid of dead wood on trees. Prune grapes.

Protect window plants. A little newspaper between the glass and the plants may mean the difference between healthy plants and ruin.

Spray frostbitten plants with cold water at once, and put plant in dark, cool place for a day or two.

Pans of water placed on radiators will provide moisture.

Start the hotbed, piling manure about the 15th (See full directions on page 408). Sow some perennials in hotbed; they may bloom this year. Or sow in boxes in the house.

Prepare the soil in flats for indoor planting until the hotbed is ready for use. Seeds sown this month in flats indoors may be transplanted to the hotbed or coldframe later.

Every garden of any size at all should be equipped with a hotbed, the principle of which is heat generated beneath the soil by means of manure.

Rubber plants, dormant over the past few months, will begin to grow again. They may be repotted—also Ferns, Palms, etc.

Sow seeds of Tomatoes in pots, for indoor growth. Transplant to hotbed or coldframe later.

Sow Sweet-peas indoors in pots, to be placed in frame later. Dianthus, Cosmos, and perennials may be sown indoors now.

Sow Beans, Carrots, Cucumbers, Lettuce, Peppers, Cabbage, Celery, Parsley, Radishes, and Egg-plant indoors now.

Keep soil around evergreens moist.

Bring branches of Spirea, Pussy Willow, Lilac, etc., into the house, and put them in water for indoor blossom.

Take cuttings of Geraniums, Coleus, and Begonias. Give lawn top dressing.

Still time to move large trees with ball of frozen earth.

Bring into rooms pots of bulbs put up for forcing. Christmas plants that have stopped blooming may be watered once a week until warm weather and then put outdoors.

THE WEST COAST

MAKE cuttings now of Weigelas and Lilacs. Sow California Poppies and other wild flowers in the open ground.

Prune Ivy before the new leaves come out.

Protect Cinerarias from possible frost.

Plant the summer blooming bulbs—Montbretias, Watsonias, and Lilies.

Sow seeds or divide clumps of *Francoa ramosa* (Maiden's Wreath) along the coast region.

Continue planting Sweet-peas for summer blooming, also Gladiolus for succession.

Spray with whale oil or any strong soap for aphid.

Sow herbaceous perennials and hardy annuals. Sow under protection: Petunias, Zinnias, Asters, and Salpiglossis.

Start Tuberos Begonias in boxes until ready to set out.

Divide some of the spring flowering *Doronicums* for late summer blooming.

SOUTH

THE *Flower Garden*. Prune Roses, Altheas, and Crepe-myrtles; also other summer-blooming shrubs.

Do not prune Spireas, Deutzias, Lilacs, Mockorange (*Philadelphus*) and other early-flowering species, or you will cut off their buds and have no blossom.

In the shrubbery border set out Phlox, Sweet Alyssum, English Daisies, Larkspur, Columbine, Pansies, Carnations, Campanula, Verbena, Ajuga, and other lowgrowing annuals and perennials, which will bloom longer if partly shaded.

Plant bulbs of Gladiolus, Tuberose, Hemerocallis, Calla, Easter Lilies, Montbretia, Ismene, Oxalis, Zephyranthes.

The hardier seedlings from the colframes and seed boxes may be set out in the ground this month.

It will be best, if you have no seedlings ready, to purchase plants of these early flowering annuals, such as Pansies, Calendula, English Daisies, and Lobelia, as it is rather late to sow these in the Far South.

Other spring annuals, such as Columbine, Phlox, Nasturtiums, Sweet-peas, Stocks, Candytuft, etc. may be sown now in boxes or in the open ground.

Make cuttings of Box, *Duranta*, *Buddleia*, *Althea*, *Crepemyrtle*, *Roses* and similar shrubs, rooting them in sand.

The Vegetable Garden. Sow Early Peas, Lettuce, Radishes, Beets, Parsnips, Carrots, Mustard. Turnips, Spinach, Parsley, Celery, Cabbage, Cauliflower, Swiss Chard, Kohlrabi, and other spring vegetables.

Start in the coldframe: Melons, Cucumbers, Squash, Tomatoes, and other tender plants. Set out Onions and Shallots. Plant Irish Potatoes.

If you have no Asparagus bed, start one now; it will last you for twenty years.

Miscellaneous. Prune evergreens, and such fruit trees as are dormant. Prune Grapes before they begin to bud out.

Burn dead vines and leaves to prevent spread of diseases.

After pruning, spray the whole garden with oil emulsion to kill scale insects; with Bordeaux mixture for aphid; and with lime-sulphur to prevent mildew.

An ounce of prevention is worth many pounds of cure in the war against insects and plant diseases. By spraying in February and September, hours of futile effort may be saved.

Spade up the beds for flowers or for vegetables, working the mulch—or well-rotted manure—into the soil. If too stiff, use sharp sand or ashes, and a sprinkling of lime to sweeten it. If too sandy, use humus, or decayed leaves.

Let the clods stand a few days till mellowed by sun and rain, then break up, hoe, and rake until smooth.

Do not prune too early the tenderer plants, such as Bananas, Plumbago, etc. Dead leaves may be unsightly, but they are warm.

Make bird houses to protect birds and attract them.

Don't throw away bulbs that have flowered indoors, but plant in a spare place in the garden, to make growth for another year of blossom. It may take them two or three years to do this.

If Palms, Ferns, and other pot plants have outgrown their pots, shift them now.

Make sure of plenty of straw around the roots of Strawberries. They should be beginning to bear now. Cut off all runners to lengthen blooming season.

Stars! - in the Firmament of Flowers!

New Stars! - with pride and pleasure - 23 NEW flowers for 1931

Never have there been so many or so entrancing new presentations—and to them we have added some 40 other varieties equally desirable, little known Rarities and Schling Specialties—the delight of the

flower loving *cognoscenti*. Amid so much distracting loveliness it is hard to choose—best order the entire collection (See Offer E) and treat yourself and your friends to a glorious gardenful of beauty.

Novelties of 1931

Absolutely New!

Offer A—a \$14.65 value—\$12.00



Edelweiss Aster (Offer A)

Edelweiss Aster—Snow White—First of a new line of asters, very dwarf and floriferous—10 to 12 inch plants covered with snow white flowers resembling Alpine Edelweiss. Perfect for bedding. Pkt. 75c

Ageratum Mexicanum Nanum, Rosabella—An exquisite new deep rose variety. Very dwarf, and with Ageratum Blue Cap below is unsurpassed for border planting. Pkt. 75c

Ageratum Blue Cap—A decided improvement on Little Blue Star. Each little plant forms a compact dome of blue flowers. Pkt. 75c

Aretotis Previscapa Aurantiaca—Another lovely golden yellow daisy from Africa with purple center. Flowers very freely. Pkt. 50c

Aquilegia Crimson Star—A new Columbine with brilliant flowers of a dark, red crimson, carried on long graceful stems. Pkt. 75c

Hardy Spring Flowering Aster, Subcaeruleus, Wartburg Star—Huge daisy-like flowers of bright lavender-blue, 4 inches across, on 22 inch stems. Extremely effective with white daisies and gaillardias in bed or vase. Pkt. 75c



Nicotiana, Crimson Bedder (Offer A)

Orchid-flowered Dahlia—A very unusual star shaped annual Dahlia in white, red, orange, or canary yellow. Its long twisted petals often with contrasting colors on front and back, make it a novelty of very distinctive effect. Pkt. 50c

Nicotiana glauca, Crimson Bedder—Deep crimson flowers borne freely on 15 inch plants. A splendid bedding plant. Pkt. 50c

Gypsophila Pacifica—A new and very hardy Baby's Breath whose pink blossoms form a wonderful contrast to G. paniculata, the white variety. Unexcelled for flower arrangements. Pkt. 75c

Eryngium Amethystinum—A charming perennial whose bright steel blue flower heads may be picked and dried for a winter bouquet. Also very effective in the border. Pkt. 50c

Pennisetum Spectabilis, Blue—An abundance of bell shaped flowers of richest blue carried on 4 to 5 ft. spikes. A beautiful rarity. Pkt. 35c

Lychnis, Forresti Hybrids—Very decorative for the rock garden. Long showy panicles in charming shades of crimson, carmine, pink, and white. April to May. Pkt. 75c

Giant Scabiosa, Loveliness—Very unusual in form and color, a delicate salmon-rose. Delightful fragrance. Pkt. 50c

Papaver Nudicaule Delicatum—A new and worthy rival to the famous Coonara Pink. Delicate rose color. Pkt. 75c

Double Heliopsis, Golden Yellow—A much improved and very double variety of brilliant golden yellow, borne on plants often 3 to 4 ft. high. Pkt. 35c

Urnaria Anethoides, New Hybrids, Jewels of the Veldt—A delightful stranger from South Africa with flower petals of a rich orange contrasting with a center varying from ruby-red to dark purple, spangled with jewel-like dots. Blooms June to September. Pkt. 50c

Petunia Hybrida Grandiflora, Queen of the Market—A magnificent new Petunia of the most vivid scarlet. Flowers 3 1/2 in. across, petals slightly waved. A profuse bloomer and wonderful in bed or window box. Pkt. 75c

Petunia Hybrida Nana, White Cloud—A grand new dwarf hybrid. Large pure white flowers borne on stiff stems. 1 ft. tall. Pkt. 75c

Petunia Hybrida Nana, Cockatoo—Very dwarf and compact (8 in. tall). Flower petals deep velvety violet, tipped with white. Very striking in bed or rockery. Pkt. 50c

Viola Cornuta, Lavender Gem—A profuse, all season bloomer with even larger flowers than the great English favorite, Maggie Mott. Rich deep lavender color. Pkt. \$1.50

African Orange Marigold, All Double—A brand new California triumph! Produces 100% of fully double blossoms. Pkt. 35c



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Urnaria Anethoides, African Orange Daisy—Brilliant orange flowers, 2 inches across, deep purple tone, borne on long, wiry stems. Pkt. 25c

Dahlia-flowered Zinnia, Golden Dawn—Enormous blooms of a pure golden yellow hitherto unknown in the Dahlia-flowered type. Very striking. Pkt. 50c



Dahlia-flowered Zinnia, Golden Dawn (Offer A)

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Offer B—A \$3.25 Value for—\$1.00

Schling's American Beauty Aster—Gigantic flowers, 7 inches across, 3 ft. stems, same color as American Beauty Rose. Pkt. 35c

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Schling's New Giant Hyacinth Flowered Larkspur—Excels all others in length of stems, size of flower spikes and general vigor. Pkt. 35c

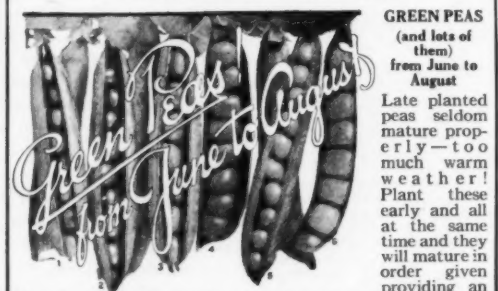
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1 lb. each of all 6 varieties, 6 lbs. in all	2.75
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Golden West, deep golden yellow
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Yosemite, lilac-purple
Navajo, canary yellow
Wyoming, carmine
Seminole, rosy lilac
Narragansett, silvery lilac
Tenega, rich sunset yellow
Shasta, pure white
Massasolet, wallflower orange
Miami, delicate rose



Snapdragon Indian Summer

1 pkt. of any of the above, \$1.00; 6 pkts., \$5.00

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and Recent Novelties Well Worth Your Interest Offer D—A \$13.40 Value for—\$10.00

New Iceland Poppy Orange Gold—In this lovely new shade the gold tone is of the most shining brightness and produces a marvelous effect. Pkt. 75c

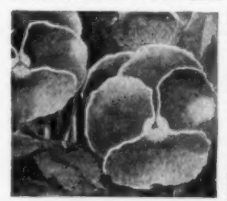
Clarkia Dble. Copper Scarlet—Adding a brilliant new shade to the popular easily grown Annuals, so lovely for cutting and so effective in beds. Pkt. 60c

Gentiana Farreri—Rare Gentian from China, bearing in August large sky-blue flowers with white throat veined black. Perennial. Pkt. \$1.00

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"Sweet Wivelsfield"—(Dianthus Alwoodii x D. barbatus). (Offer D)



Pansy, Mrs. Pierre S. du Pont (Offer D)

Sweet Wivelsfield (Dianthus Alwoodii x D. barbatus)—Has the habit of the annual Sweet William but its flowers are much larger. Pkt. 75c

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Viola Royleana. (Offer D)

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What you ought to know about hotbeds and coldframes

ALL year round is gardening time and, when gray January fades into the archives of the past and February beckons with its vision of March around the corner, the gardener makes an inspection of his hotbed and coldframe.

1—What are the advantages of a hotbed or coldframe?

First, the gardener does not have to wait until midsummer for some color in his annual bed, nor does he need to patronize his vegetable dealer through July and August. Second, he may enjoy brilliant flowers and eat his own vegetables in June, when produce and flowers are expensive. Third, he may carry through the winter flower and vegetable seedlings, making them strong enough to be transplanted into the open ground early. Fourth, he can be assured of even temperature, moist air, maximum sunshine, and freedom from gases.

2—What is the difference between a hotbed and a coldframe?

They are constructed alike, except that a coldframe has no artificial heat. The coldframe supplements the hotbed and accommodates extra seedlings before they can be put into the open ground.

3—What are the types of hotbeds?

The pit and the surface hotbeds, the former built in a pit in the ground and the latter constructed above the ground.

4—How is a hotbed made?

Dig a pit about two feet deep and six feet wide. The length may vary to suit individual convenience. Make a frame of wood, stone, bricks, or concrete. If possible build the bed on a south slope or on the south side of a building. The back or north side about 18 inches above the ground, and the front or south side about twelve inches. This will provide for a six-

inch slope for the sash, which covers the bed. Manure is placed in the pit to provide heat.

5—When should the manure be prepared?

The manure should be started in preparation about three weeks before it is intended for use. Fresh horse manure containing some straw or litter should be used. Pile it up under cover. After several days it will have heated. Then fork it over and repile it, working the outside of the original pile into the inside of the new pile. Allow it again to heat, after which it will be ready to place in the pit. Pack it evenly, about a week or ten days before you intend to place seeds in it. After the manure is packed 18 inches deep, put six inches of well-sifted garden soil into the frame, and level off. Place sash over the bed.

6—What kind of sash?

Single sash, of standard size, three feet by six feet, is most convenient.

7—How does the procedure differ in building a surface hotbed?

Make pile of manure in the same way as for the pit bed about two feet longer and wider than the frame which is placed on the manure and then banked with more about the sides.

8—When can one know that the bed is ready to receive seeds or plants?

A few days after the hotbed is completed the bed should begin to heat, until the temperature is 100 degrees or more. A few days at this high temperature and it will start to recede to about 75 or 80 degrees, which is the proper temperature for sowing.

9—Should the hotbed be kept closed with the sash?

Ventilate it a trifle daily, especially if there is some sunshine. The best time is about noon. The safest way is to lift the sash a few inches on the side away from the wind.—I. GEORGE QUINT.

A farmhouse in the city

Continued from page 370

a rich, soft yellow—almost an orange-yellow—with the tiniest of flowered patterns, and dainty white marquette for each individual window.

Then we discovered that we could get a chimney lamp with a shade to match our curtains, and a Cape Cod rocker, with a modest skirt over its limbs, quilted in the same material.

Next in the color scheme came rugs. At the very bottom of the largest heap I found a rag rug with a primary color of English blue! Blending colors ran through the scale from a deep navy to a light green-blue.

Now we were ready to concentrate on furniture. First a great barrel chair with lunchroom arms to hold the miscellaneous pipes and apples and books that a man must have within reach when he relaxes for the evening. The woodwork was a dull maple and the upholstery a soft green with yellow lights. My yellow rocker with its matching lamp would go under the windows at the far side of the fireplace. His barreled throne in soft green would carry the yellow lights across the room and blend with the green-blues of the rug.

Because the bedroom was so tiny

we decided that linens and clothes must find their place in the living room. To put a chest of drawers in the bedroom would have crowded out the beds. But the chests in the living room must not have a bedroom appearance. We chose a Cape Cod chest with an enormous cupboard for linens below and shelves above for the yellow pottery tea set we had our hearts set upon. The chest must fit just under the high windows where the tea set and the curtains would give off a glow when the sun streamed in.

One chest was hardly all accommodating. We needed a second piece with wide, deep drawers. It must be something in a darker maple to go in the corner where the mahogany paneling caught the least light. Highboys were all too high. We found a low chest with simple clapper handles and plentiful drawers.

A few dollars more completed the living room. A low tea table in maple, a few ladder-back chairs to contrast with low pieces, three-legged and four-legged stools for fireplace talks, a short-backed, broad, cane-seated chair to stand up against our improvised highboy and we were through.



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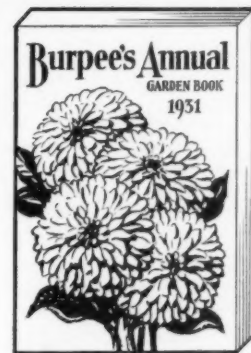
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Hardware for hard wear

Continued from page 368

steel or brass which are removable so that the door can be lifted off its mounting, or they may have fast joints which do not come apart so that the door cannot be removed except by unscrewing the butt from the door or frame.

The cost of butts depends upon the material, the action, the finish, and the accuracy of manufacture. Cast iron is the least expensive material, followed by brass and bronze. The cost of fast joint, loose pin, steel washer, and ball-bearing butts increases in that order, fast joint butts being the cheapest. The finishes make an inappreciable difference as stated.

There are three principal types of sash in general use for dwellings: (1) Double-hung or vertical sliding, (2) casement, and (3) French.


The hardware for double-hung windows includes the sash-lifts, fasteners, and window stop adjusters. Bolts are also made, which shoot into metal sockets set in the sash stile (the side piece), allowing the sash to be locked in a partly open position. The sash pulleys and chain are not considered to be finishing hardware and are usually specified under "Trim" and applied at the mill.

The hardware for casement windows includes the hinges, latch, and the fasteners, which are intended to keep the sash fixed in any open position. Then there are flush bolts for the fixed sash of a pair. In the case of metal sash, the hardware is generally provided and applied by the manufacturer. It matches the metal of the sash and is painted the same color.

There is a wide variation in the design of casement fasteners, whether the sash open in or out. They come in cast iron, wrought steel, malleable iron, cast and wrought bronze and are priced in about that order. They are usually plated or polished.

Then there is a concealed operator which is worked by a crank below the window sill. The mechanism includes a worm and wheel, so that the sash stays open in any position. The crank must be turned to move it.

As the flush bolts are of the same types as those used for French windows they may be discussed with the hardware for those openings. French

windows or doors are full length casements, extending to the floor. They are usually in pairs and close to make what is called a rebated joint between their meeting stiles. The closing line of the two doors looks like this . That kind of a joint is neater and more draft tight than the meeting of two square-edged doors with a molding fastened to one of them to cover the joint.

The rebated door calls for a special form of lock. It is called a rebated lock. In ordering it a sketch should be sent showing the position of the rebate, the lock, and the inside or outside of the door. (Rebate, by the way, is pronounced "rabbit" in the building trades.)

These doors may have locks made up in the same grades and finish as those for the interior doors or they may have long bolts extending the full height of the door, actuated by turning the knob, and engaging some form of strike plates in the door head and sill.

They are called either mortise, double extension, Cremona or Espagnolette bolts according to their shape and method of fastening. The mortise bolts are entirely concealed within the woodwork of the door, the Cremona and Espagnolette bolts are applied to the inner face of the door. The Cremona bolts are flat at the back and rounded in front. When you turn the round, oval, or lever knob you shoot the bolt into the sockets above and below the door at the same time. They may be ornately molded and decorated.

Espagnolette bolts have a round cross section. They are rotated by a lever (which also latches when the door is closed) instead of being slid by a knob. The rotation turns hooks above and below the door into slots, thereby locking the door.

Where rebated lock sets are used, the idle or fixed door must have flush bolts, either mortised into the door-stile or fastened to the face of the door, to keep it shut, when the other door is opened. The mortised type is operated by a flat, countersunk lever actuated by the finger; the face type, by a knob. The ruination of innumerable fingernails is traceable to the former.

Some new ideas for bread and soup

Continued from page 359

To thin it to an easily spread consistency, add fresh cream or mayonnaise and season the paste highly with salt and pepper and a bit of paprika. Then, laying the slice on a flat surface, roll gently, being careful not to break the bread. Secure the roll with tape or string and wrap in a cloth wrung out of hot water and place the roll in the refrigerator to set. After twelve hours the roll may be removed and sliced to give round little wafers about a quarter of an inch thick. These will hold their shape if handled gently. Lay them flat in a pan, or on a cookie sheet, and place in a hot oven to brown.

When the soup is Philadelphia Pepper Pot, it is best to keep the bread simple, since for some people the high seasoning of the soup needs to be modified rather than accented. One of the best "go-withs" is potato bread fingers. Slices half an inch thick

are cut off the loaf and trimmed of crust. Then, with a very sharp knife, strips half an inch wide are cut from the slice. These may either be sautéed in hot butter or they may be dipped in melted butter and toasted thoroughly afterwards. If a crisp dry stick is desired the latter method is best. If the finger is to be soft inside with a golden brown crust, the sautéing way must be used. Some hostesses like frying these little sticks in deep fat, but to our mind, such a method robs them of their delicacy.

The usual chicken soup, with its small share of meat, vegetables, and rice, calls, some people think, for a bit of dressing up. Housekeepers who feel that way about it, might use the little toasted flower wafers or one of the exquisite new butter wafers put up ready for use in cartons or tin cans, with a little green mint jelly dropped in the center of each wafer.



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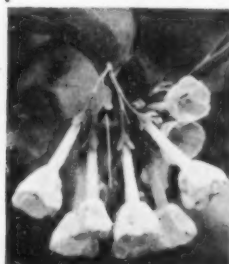
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Shrubs with colorful fruit

Continued from page 373

or even as a background to hide a wall, etc.

The Privet employed usually as a hedge and regularly trimmed is seldom allowed to flower and to bear its small black berries. Individual specimens set where they have room to look well are very attractive because they fruit so abundantly with clusters of black berries, covered with a grayish wax "bloom."

Of the shrubs bearing conspicuously white fruit the Snowberries are known the best. There are about fifteen different species in North America north of Mexico and one in far off China. They bear very prominent fruit well into the winter and present a decided relief from the general color of things in the garden.

There is another species in this genus also native that is very attractive and popular. It is the Indian Currant or Coralberry (*Symphoricarpos orbiculatus* or *vulgaris*), one of the most attractive and desirable of fruiting shrubs. The purplish red fruits, smaller than those on the white forms, are densely clustered together along slender branches.

Not so large or striking as those of the Snowberries are the white fruits of two of the Dogwoods. The flowers of these two cannot compare with the beautiful Flowering Dogwood (which, incidentally, is also very fine in the autumn with its colored foliage), but they are of value for mass grouping. One is the Gray Dogwood (*Cornus paniculata*) which grows wild over a great portion of the eastern United States and bears white fruits on red stems. The other is the Red Osier Dogwood (*C. stolonifera*) which bears such brilliantly red stems in early spring and white berries in fall.

There are many conspicuously red-

berried shrubs. Outstanding is the Japanese Barberry (*Berberis thunbergii*). This and Siebold's Barberry are especially valuable for they retain their bright red fruits unchanged until spring returns.

And remember the Viburnums. About one hundred and twenty-five different species are known from many parts of the world and some of them are among our finest and most popular ornamental shrubs. The beautiful Japanese Snowball (*Viburnum tomentosum plenum*) whose large balls of sterile flowers are so exquisite in June will be recalled for its bloom in summer. But we are concerned now about autumn coloration and for that we must turn to other species.

Lastly, there are yellow fruited shrubs. Reference has already been made to the Yellow-fruited Privet. There is a similar variety of the European Cranberry-bush, a Yellow-fruited Tatarian Honeysuckle, and of the Oleaster or Russian Olive (*Eleagnus angustifolia*).

It may be difficult for some gardeners to make selections or even to visualize some of these shrubs in the garden, for plant names are not wholly standardized. If you find in catalogues the names which I have employed, very well. In a few cases I have indicated the existence of two specific names. But if you do not find the same names or if you suspect some disagreement in nomenclature consult two references to be found in any good library and a comparison will generally clear the matter. The two references are *Standardized Plant Names* and *Standard Cyclopaedia of Horticulture*. Further references for check is Rehder's *Manual of Cultivated Trees and Shrubs*, and Bailey's quite new *Hortus* which is a dictionary of plants in commerce.

Roses to enliven the little garden

Continued from page 374

planted three feet apart along the entire front of house and garage, and in June the place is embowered in a cloud of pink. But before everyone hastens to order for a similar effect some drawbacks must be considered. The supreme display lasts for about a month and immediately afterwards there are bushels of withered petals to be removed and rampant growths to be cut back or neatly fastened up. Not everyone, moreover, cares to be limited to but one variety, yet it is this unity of effect which achieves the supreme beauty.

Roses and trellises—or treillage, the dainty French word—seem just made for each other and the entrance into the rear premises may be framed with Hiawatha, Tausendschon, or Dorothy Perkins Ramblers. Dr. van Fleet, noted for its shining, pest-proof foliage and blush-pink blooms, and Alberic Barbier, cream and saffron, are also favorites for this purpose. But the simplest form of indicating a boundary is surely that of the post and sagging chain or tarred rope on which Roses swing in all their glory as on fairy sways.

The old dictum that Roses require a certain somewhat heavy class of soil is no longer in force as it really applied only to the fine old class of

Hybrid Perpetuals. The newer Roses will do excellently on light soil. But they all prefer it rich. The secret of fine Rose flowers is a soil stored with good things for their exploring roots, and this means adequate preparation. The soil should be dug out about a couple of feet, the deeper the better, and a mixture of cow manure and chopped turves or leaves put in the bottom of the trench while manure and coarse bone meal are incorporated with the soil as it is filled in. The place of the manure may be taken by a well-balanced commercial fertilizer plus plenty of humus in the form of decayed leaves, but if the soil is very sandy and light the cow manure is almost essential.

The immense numbers of varieties of Roses will constitute a real embarrassment to the beginner, but some stand out for qualities that should be considered in addition to beauty. Mildew-resistant foliage is a great asset shared by such climbers as Alberic Barbier, American Pillar, Dr. van Fleet, Emily Gray, and Mermaid; and such bushes as Christine, Dame Edith Helen, Hoosier Beauty, Jean C. N. Forestier, Louise Breslau, Mrs. Beckwith, Mrs. Redford, Rayon d'Or, and Souvenir de Claudius Pernet.

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15 Concord grapes, 2 years, \$1.00; or 10 Moore's Early Grape, 2 years, \$1.00; or 25 Mastodon Everbearing Strawberries, \$1.00; or 20 Black Raspberries, choice of favorites, \$1.00; or 15 Latham Red Raspberries, \$1; or 15 Eastburn Blackberries, \$1.00. Choice of any three of the above Dollars Bargains, \$2.75. Any six of these Bargains, \$5.00 postpaid.



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is being received with acclaim wherever dahlias are grown. Like its predecessors it includes a section devoted to the culture of the dahlia phrased in terms to be understandable by even the beginner.

Another feature of this year's catalogue is the inclusion of a list of New Creations selected from "Derrill Hart's Dahlia Roll of Honor," which may be procured in the form of Green Plants this season, thus combining a complete selection of the newest together with all the worthwhile established varieties. Last, but not least, we believe that after a perusal of its contents you will better appreciate the reason behind the growth of "Potash Fed Dahlias." Write for your FREE copy today.



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- 5 *Yucca filamentosa*. Common Yucca. White bell-shaped flowers.

Five to ten plants of each variety \$9.00 (55 plants in all) for only

My catalogue of Native Plants—Ferns, Lilies, Box Plants, Orchids, perennials and evergreens, will be sent on request to all who are interested in unusual gardens.

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Jean Cumming. A truly magnificent pure white; large and an early bloomer.

These new Chrysanthemums will be pictured in color in our catalogue for 1931, which also presents other favorite Chrysanthemums introduced by Bristol, and many new perennials of merit. A copy will be mailed on request.

BRISTOL NURSERIES, Box G, Bristol, Conn.

The fragrant Gladiolus at last

Continued from page 378

with purple-violet on the upper segments. Of the hundred seedlings grown, all have the sweetness of the nameless parent, only one has in addition the night fragrance of tristis, and one other is a pale lavender-violet color. All of them are early bloomers and must be planted in the fall. Started in the greenhouse in autumn they bloom freely in February and March, and thrive in a cool greenhouse with Carnations. Left outdoors under a light mulch of leaves after late autumn planting three inches deep, they blossomed last spring the middle of May here in New York. In the greenhouse they grow two feet tall, with slender leaves and fine, wiry stems the size of Freesia stalks, but much stiffer. They stand up well. Outdoors they are shorter and would

be suitable for the rock garden or the front part of the border.

Of course, they are new yet, and the present stock of them is numbered in scores, not in hundreds. Meantime, their enigmatical fragrant parent, that has the happy faculty of transmitting its fragrance, without its faults, to its offspring, is still represented by one sickly bulb, and no increase at all. So these Sweetglads may be the sole results of a lucky chance. Whatever the future may hold for their parents, these little hybrids thrive in the sun, and frequently throw two or three slender spikes to the bulb. Whether they presage any nearer approach to a fragrant race of the large flowered garden Gladiolus is quite another matter and one for the future to reveal.

Trees that fit the roadside

Continued from page 376

I am suggesting White Ash for a good, all-round street tree. Its light, feathery foliage and open crown give it a graceful, delicate appearance and it demands only the average in soil and climate requirements.

The increased use of Norway Maple is undesirable not alone from the standpoint of stilted appearance but from the economic angle as well as that of future horticultural safety. Up to the present time advocates of the use of this tree have based their arguments on the freedom of the species from insect and disease attack. During the past year, however, the first rumblings of a "revolt" against this unusual immunity have become evident. In the fall of 1928 Dr. E. P. Felt was consulted as to the cause of the early dropping of Norway Maple leaves on an estate in Noroton, Conn. Larvae at the bases of the leaf petioles was identified as a *Nepticula*, the first time it had been reported in this country. How it arrived from Europe is not known, but it is reported as being very injurious to the Norway Maple there, because of its boring into the wing seeds.

There is little to be said outside the fundamental, well-known truisms regarding planting and care of street trees. Our nurseries are subject to regular state inspections and the reputation of legitimate firms is dependent upon the quality of their stock. It is well to watch for the presence of injured roots or leaders. On Elm one must check for woolly aphid and any of the scales. The small, inconspicuous swellings and ridges on Oaks denote the possible presence of galls, while small scars at the base of European Linden may mean the work of the linden borer. Bear in mind the importance of a good tap root on those trees which ordinarily should have one.

Planting instructions are many and, sad to say, their observance is rather rare. Faulty placement of root systems is invariably prevalent in street planting. The roots should be spread radially and after the soil has been firmly packed the tree should not be twisted. Invariably, twisting will result in root girdling.

Newly planted trees must be watered and fed if they are to survive.

SELECTED STREET TREES

COMMON NAME	SOIL	LOCALITY	WEAKNESSES	GROWTH	VALUE FACTOR*
American Elm	Rich, moist	N. E. and Central U. S.	Elm beetle—Dutch disease—Canker—Slime flux	medium	25
Sugar Maple	Gravelly to moist	Pacific coast—N. E. United States	Wilt-borer-girdling root	slow	23
Red Oak	Gravelly, porous	East and West coasts and N. E. United States	Gall and scale	slow	22
Pin Oak	Moist, clayey	Pacific coast—Eastern United States	Gall—scale	slow	22
Scarlet Oak	Gravelly to moist	Eastern United States and South to N. C.	Gall—scale	slow	22
Ginkgo	Gravelly to moist	Northeastern U. S.	Odor of pistillate variety	rapid	22
White Ash	Rich, moist	Eastern United States	Short season of foliage	slow	18
European Linden	Gravelly to moist	Eastern U. S. and Central portions U. S.	Leaf spot and mildew	medium	17
Oriental Plane	Gravelly to moist	Eastern U. S.	Leaf and twig blight	medium	15
Hackberry	Gravelly to moist	Central U. S. to Gulf	Gall injury—Subject to winter injury	slow	15

(*Relative economic value based on general horticultural and economic factors compiled by Dr. E. P. Felt and H. J. Neale. Basis of 0-25%.)



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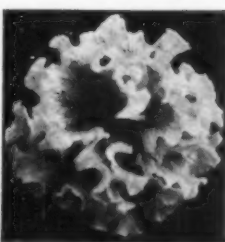
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Adventuring with annuals for color

Continued from page 371

drawing it to scale of a half inch to the foot. Then you can plan all the better just what you will be able to use. In making out your seed list, plan first for the "must have's," the truly indispensable kinds that you depend upon year after year. In the lists given on page 372 ten kinds are marked with an X, and by many gardeners these ten would be considered absolute necessities. Tastes differ in these matters, however, and different gardeners would possibly add to or take from this list.

Many a gardener, especially those of less experience, will wonder how much seed of the different kinds to buy. This will depend largely upon the size of the garden and the number of varieties you are planting.

Seeds vary greatly in size; for example, an ounce of Sweet-pea seed will contain but a few hundred seeds while an ounce of Petunia will number two hundred thousand seeds, and the same weight of Begonia will contain well over a million seeds. All seeds vary in the number contained in an ounce, Salvia has almost ten thousand, Pansy twenty-four thousand, campanula medium about one hundred and fifty thousand and Aster twelve thousand. The dealer must take all this into consideration and base the amount in each packet upon the cost per ounce, the supply available and the size of the seed.

Seeds are also sold by the ounce or parts of an ounce such as a quarter or eighth, a thirty-second or sixty-fourth. As a general rule, however, a packet will be a sufficient quantity, if, and this is most important, if you handle them right. Ask any seedsman how many plants you will get from a packet of seed and he will tell you that it will all depend upon the way you handle them. You may get a hundred or five hundred, and you may not get any at all! And this regardless of the quality of your seed. If you buy your seeds from reliable, established seedsmen you can hardly blame the results upon the seed. The trade has standards and takes pains to test the seed before it is sent out and unless it measures up to a given standard, will not sell it.

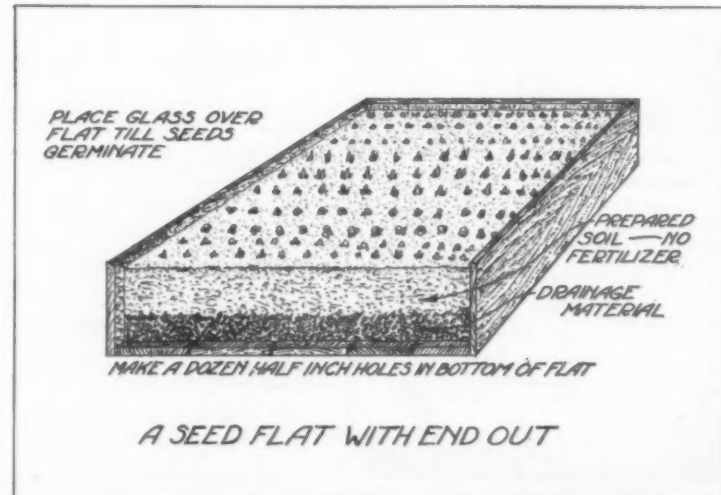
What then controls the results? The soil preparation, the way you plant them, air, moisture, and sunlight. If you water them too much they may fall prey to the dread "damping off," a fungus disease for which we now

have several remedies. If you neglect to water when they need it, the plants will receive such a set back that they seldom recover fully even should they live. For sowing seed you should have the soil light and fine with at least a third by bulk of leafmold. The seed bed must be well drained or the little plants will not thrive. Seeds do not need light to germinate, merely gentle heat and a steady degree of moisture. This may be maintained indoors by placing a sheet of glass over the seed flat or pot. Outdoors, burlap may be spread over the seed bed. Just as soon as the tiny plants make their appearance above the soil they must have sunlight and fresh air.

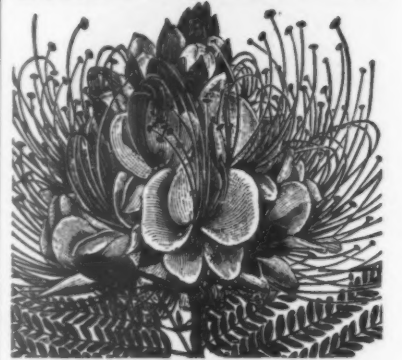
Another question that many amateurs ask is why do some plants seem so vigorous while others are stunted and weak? The answer is largely in the care they receive. The tiny seedlings must be transplanted when the first true leaves appear and before a branching root system develops. Transplanting at this time can be done with little set back to the plants, in fact if carefully watered and shaded for a few days they are all the better for it. When left in the seed bed too long they become crowded and are handicapped by their struggle with each other for existence.

One of the frequent errors the amateur makes in starting seeds has to do with the soil. Many seeds are very small and unless you provide soil that is extra fine the seeds will not germinate properly. Seeds absorb their necessary supply of moisture from their contact with the particles of soil and if the soil is coarse the seeds cannot contact it properly. In filling a seed flat or pot, first make sure of your drainage by placing some coarse gravel, ashes, or similar material in the bottom. Then fill in with a soil mixture made of equal parts of good garden loam, leafmold, and sharp sand. These should be thoroughly mixed and made very fine by passing them through a screen.

Fine seeds should not be covered, merely pressed into the surface of the soil, but coarse seed can be covered about four times its diameter. In places where the air is dry it has been found that a portion of powdered sphagnum moss added to the soil will aid it in holding moisture and maintaining the constant supply the seeds demand.



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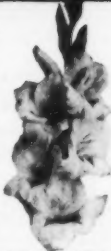
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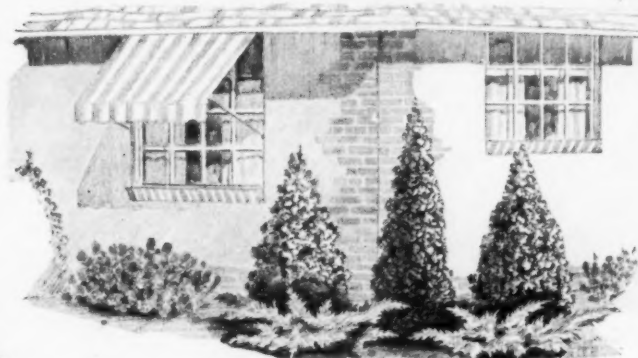
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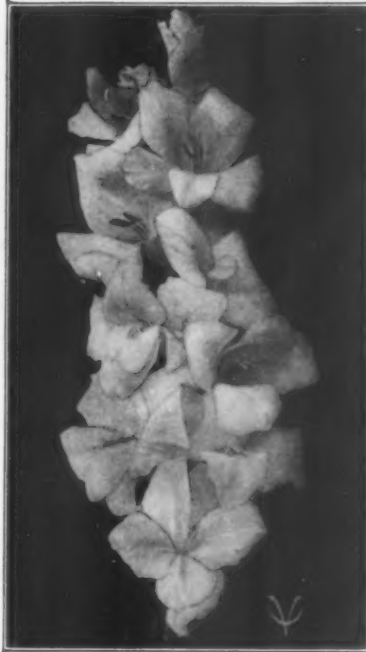
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Six Colorful Dahlia-Flowered ZINNIAS

A beautiful giant-flowered type of Zinnias in a wonderful range of rich colors. The blooms are truly immense. They are heavy, full, and round, carried on long strong stems.

Zinnias are easy to grow. Sow the seed outdoors when the trees are coming into leaf. The plants grow 3 to 4 feet tall and display a great profusion of blooms from late summer until frost.

Collections of
Six Dahlia-Flowered
Zinnias

The six beautiful Giant Zinnias illustrated on this page. Showy and free-blooming.

7543 One Packet each (value \$1.20) 75¢

7544 1/16 Oz. each (value \$2.40) \$1.45

Postpaid

Exquisite—Perfectly symmetrical flowers of a pleasing rose shade with deeper rose in the center.

Dream—A distinct shade of deep lavender changing to a beautiful purple tint as the flowers age.

Canary Bird—These bright Primrose-yellow flowers make a wonderful showing in the garden.

Polar Bear—This is, without question, the best of all white Zinnias. Large, well formed, and double.

Crimson Monarch—Rich crimson-scarlet blooms of excellent size and well-rounded, full form.

Oriole—Bright glistening orange with the outer petals shading into bright gold.

Any of these Dahlia-Flowered Zinnias:

Pkt. 20c; 1/16 oz. 40c; 1/8 oz. 65c; 1/4 oz. \$1.10

Mixed Giant Dahlia-Flowered Zinnias

Those who want a bed or border of these Giant Dahlia-Flowered Zinnias in the widest possible range of colors will be delighted with this special mixture. It has been carefully blended to include the correct proportion of all the splendid colors available in this fine free-flowering Zinnia. In addition to the colors listed above, it includes cream, lemon, golden yellow, tyrian rose, old rose, orange-scarlet and spectrum-red. It will give a glorious display and yield plenty of cut flowers.

Pkt. 15c; 1/8 oz. 30c; 1/4 oz. 50c; 1/2 oz. 85c.

Burpee's Annual Garden Book—Free

Burpee's Annual abounds in helpful planting information. It offers valuable suggestions as to the best varieties that will give you more beautiful flowers and more improved vegetables. It is an interesting book full of up-to-date garden news. The picture shown above is one of the many color illustrations contained in this book.

Burpee's Annual tells the plain truth about the Best Seeds That Grow—seeds that are carefully tested and guaranteed. And now you can buy Burpee's Quality Seeds as low as 5c per packet.

New Vegetables and Flowers

A new and entirely distinct Tomato, "Burpee's Tangerine," is first offered in Burpee's Annual for 1931. The large, round fruits are a beautiful deep orange—the color of a fully ripened tangerine. The luscious sweet flesh is of an appetizing golden orange color. Read about "Burpeeana" Cauliflower, that won the National Cauliflower Contest.

Among the new flowers, you will be interested in the four new Burpee Sweet Peas, including "The Burpee,"—the loveliest ever introduced, and "Ruffled Orchid," the newest of the Ruffled Sweet Peas. Burpee's Annual also gives full information about the new Giant Dahlia, "Asbury Park"—strawberry-red, shaded salmon and old gold.

Write for your free copy of Burpee's Annual today

W. Atlee Burpee Co.

206 Burpee Building

Philadelphia, Pa.

