This Regency House Designed by Delano & Aldrich. Page 362

The Etiquette of Silver by Emily Post. Page 349
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.
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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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.
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*Telephones throughout the house are essential to gracious, comfortable living*

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.
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.
Make one of these lovely Homes—Yours

TODAY is bargain day in building. Materials are down, labor is plentiful and efficient. $8,000, $12,000, $15,000 will build for you the home that would have cost $20,000 to $30,000 last year. And building authorities agree that the next 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 expenses. 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 that will save you money. No book exactly like it has been published before. Select from 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.

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

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 Rolsscreens the mesh is locked in at sides, top and bottom. Insect-tight even in the widest windows. Rolsscreens of Pella are made of special electro-plated "Alumin-A" wire-cloth, with reinforced selvage, that will far outlive their Ten-Year Guarantee.

These are just a few of the many advantages of Rolsscreens. Get the whole amazing story. Only in Rolsscreens 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 Rolsscreens 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.

Rolsscreens Company, 621 Main St., Pella, Iowa.

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

Name ____________________________
Street ____________________________
City and State ____________________________

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.

Name ____________________________
Street ____________________________
City ____________________________ State ____________________________
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 3% of 1% of the cost of your house. You gambled the comfort and happiness of a $20,000 home to save 3% 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 . . ."

Funny thing about boilers. Not like some items that offer a wide price range. The difference between the best boiler and the worst—average figures expressed in percent—is only 3% of 1% of the cost of the house.

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.

THE H. B. SMITH CO.

Gentlemen: Please send me a free copy of each of your two books, "The New Smith 16" and "Does it Pay to Install an Oil Burner?"

Name

Street

City State
This is a floor-plan of the Hodgson House illustrated. A full-size house, furnished, is on display at our New York exhibit, 750 Fifth Ave. at 57th St. Similar exhibit, 1108 Commonwealth Ave., Boston. Also outdoor exhibits at Sudbury and Dover, Mass.

**HODGSON HOUSES**

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When a man moves into his Hodgson House he is likely to feel just a little sheepish for ever denying himself a summer home "because he didn't have time to build." There is almost a touch of the incredible about it—the ease and quickness with which the Hodgson House he has selected springs up in his favorite vacation spot.

We build your Hodgson House in sections; ship it ready to erect. You can have it put up in a few days by a little local labor. None of the fuss and muss that most people associate with building—no waste, delay, dickering with contractors. If you like, we will send a construction foreman to relieve you of all details.

For over thirty years we have been making these houses, sturdily and well. They are tried and proved—accepted by people of all classes. You will find them on some of the finest estates in America, used as auxiliary, or guest houses. And in many a summer playground they remain in service, season after season, undisurbed by the severest storms, charmingly at rest in any surroundings because of their simplicity of line and genuine good taste.

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-A 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 750 Fifth Avenue at 57th Street, New York City.

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Golden Tone Sandstone artistically blends a symphony of glorious autumnal hues with the enduring grandeur of virgin stone. Through the use of this colorful wall facing, architectural distinction ... individuality... is accentuated and enhanced. With vibrant, luminous warmth, exterior walls of this permanently beautiful building material reflect the friendliness and hospitality that abide within. \* \* Withal, Briar Hill's exquisite, radiant sandstone is surprisingly reasonable in cost. Quantity production and national distribution make it economically available for the great majority of American homes. \* \* \* Ask for our attractive free Booklet AF of colorfully distinctive, all-time residences. We will cheerfully estimate, without obligation, the cost of individualizing your home with our warm, friendly stone.

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**Want Some Money? Here's a wonderful way to get it**

Our beautifully illustrated Booklet AF will show you how to draw or have constructed any beautiful art objects almost from the beginning. The instructions are easy to follow; you need not know how to draw or have any experience. You can make art to sell or keep; with the new AQUA-MATIC REGULATOR, hot 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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**Have you read any Kipling lately? The Pocket Edition is just right for travelers.**

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**Have you read any Kipling lately? The Pocket Edition is just right for travelers.**

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**The American Home**

...
Walls of portland cement stucco are long-lasting, trouble-free

When you stop to think about it, there's nothing much harder, and tougher, and more impervious to wear, than a block of portland cement concrete. Look at our main highways, pounded continuously with heavy trucks, exposed to all kinds of weather, and seldom touched after they're laid. Look at our concrete bridges, and dams—monuments to coming generations.

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.

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Concrete for permanence and firesafety
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Learn Why thousands of women, who can afford Wiltons, now choose these lovely
New-Type OLSON RUGS at 34 to 55 the price.
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You can send materials of all kinds and colors at Our Expense, in a week we'll weave rich-textured, seamless REVERSIBLE rugs like these—so luxurious—so expertly woven—that you'll say, "The finest rug ever I have ever seen."

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Rug Book in Colors

For Less Than $25 Extra*

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 Heatilator is a double-walled form from 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 took 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 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 ________________________________

The American Home

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 dowith 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 thrust 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.

The American Home
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 according 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.

LIBBEY-Owens-Ford glass company, Toledo, ohio
Manufacturers also of Polished Plate Glass, and Shatter-proof Safety Glass
Consult your Architect

Libbey-Owens-Ford
Flat Drawn Clear Sheet Glass
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.
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.)

8 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
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 bowed 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)
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 nevertheless 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.
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 crépe and voile can be cleaned with the fluid, close up the can, and have shown that six dresses of crépe and voile can be cleaned 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 garment is tossed in the fluid and the grease solvent removes the stain. Rinsing in clear fluid is always wise, and the rinsing liquid can be used for the next cleaning. 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.

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 clamp ing 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.
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

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 cooperation 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 pocketbook. 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)
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.

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

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

THE ALL-PURPOSE MIRROR
Sketches by Lurette Guild
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 using 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.
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.
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 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.

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,
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 deep. 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 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 stairway 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)
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.
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 392 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 392. 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 C. FARRELL

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 $350. 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,
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 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 automatically 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)
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-

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.
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 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 stamped the realtor and demanded the key. We came into a tiny entryway with the proverbial step going up into the butler's pantry and the stairway. Saving space, it is true, but exactly six feet long and nine feet wide. 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 clutter 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 deeper 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 and an old mattress. We piled ourselves and our detachables into the car and headed for the country.

The reproduction departments of the furni-

ture stores proved as much fun as antique hunting. I ran amuck among Cape Cod rock-

ers and barrel chairs, chimney lamps, and brick-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 wind-
ed. For my curtains I wanted (Cont'd on page 398)
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.

### Ten edging annuals

<table>
<thead>
<tr>
<th>Kind</th>
<th>General Method</th>
<th>Space</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sweet Alyssum</td>
<td>ABCDS 3-6</td>
<td>Plant generously</td>
<td></td>
</tr>
<tr>
<td>Ageratum</td>
<td>AB 6-12</td>
<td>Dwarf blue form best</td>
<td></td>
</tr>
<tr>
<td>Brachycome</td>
<td>AB 4-8</td>
<td>Best where cool</td>
<td></td>
</tr>
<tr>
<td>Dianthus (X)</td>
<td>ABCD 4-8</td>
<td>Rich soil; sunshine; cutting</td>
<td></td>
</tr>
<tr>
<td>Lobelia</td>
<td>ABS 5-12</td>
<td>Indispensable dwarf blue</td>
<td></td>
</tr>
<tr>
<td>Marigold, French</td>
<td>ABCD 6-12</td>
<td>Grows everywhere; constant bloom</td>
<td></td>
</tr>
<tr>
<td>Mimulus</td>
<td>AC 4-8</td>
<td>Moist, shady; rockery</td>
<td></td>
</tr>
<tr>
<td>Portulaca</td>
<td>C 4-8</td>
<td>Full sun, dry location</td>
<td></td>
</tr>
<tr>
<td>Saponaria calabrica</td>
<td>C 6-10</td>
<td>Bright; good in rockery</td>
<td></td>
</tr>
<tr>
<td>Dwarf Zinnia</td>
<td>ABC 6-10</td>
<td>Long season; easy to grow</td>
<td></td>
</tr>
</tbody>
</table>

### Ten fragrant annuals

<table>
<thead>
<tr>
<th>Kind</th>
<th>General Method</th>
<th>Space</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ageratum</td>
<td>AB 6-12</td>
<td>Goes well with pink or yellow</td>
<td></td>
</tr>
<tr>
<td>Heliotrope</td>
<td>A 12-18</td>
<td>Par-excellence in fragrance</td>
<td></td>
</tr>
<tr>
<td>Mignonette</td>
<td>C 6-10</td>
<td>Fragrance for garden and cutting</td>
<td></td>
</tr>
<tr>
<td>Nicotiana</td>
<td>ABCD 8-12</td>
<td>Makes entire garden fragrant</td>
<td></td>
</tr>
<tr>
<td>Petunia (X)</td>
<td>ABC</td>
<td>8-15</td>
<td>Cutting; enjoys full sun</td>
</tr>
<tr>
<td>Scabiosa</td>
<td>ABC 6-10</td>
<td>Rich soil; long stems</td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td>AB 10-15</td>
<td>&quot;Ten Week&quot; best; rich soil</td>
<td></td>
</tr>
<tr>
<td>Sweet-pea</td>
<td>ACD 4-10</td>
<td>Use best seed obtainable</td>
<td></td>
</tr>
<tr>
<td>Sweet Sultan</td>
<td>C 10-15</td>
<td>Cut in bud; likes lime soil</td>
<td></td>
</tr>
<tr>
<td>Verbenas (X)</td>
<td>ABC 8-24</td>
<td>Ground cover; pinch back</td>
<td></td>
</tr>
</tbody>
</table>

### Ten tall annuals

<table>
<thead>
<tr>
<th>Kind</th>
<th>General Method</th>
<th>Space</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Castor bean</td>
<td>AC</td>
<td>24-56</td>
<td>Screening, tropical</td>
</tr>
<tr>
<td>Cleome</td>
<td>C</td>
<td>12-18</td>
<td>Good in large borders</td>
</tr>
<tr>
<td>Cockscomb</td>
<td>AC</td>
<td>12-24</td>
<td>Rather coarse, showy</td>
</tr>
<tr>
<td>Cosmos (X)</td>
<td>ABC</td>
<td>18-24</td>
<td>Use early varieties; cutting</td>
</tr>
<tr>
<td>Larkspur (X)</td>
<td>ABCD</td>
<td>12-18</td>
<td>Extra good; new varieties</td>
</tr>
<tr>
<td>Lavatera</td>
<td>C</td>
<td>18-26</td>
<td>Excellent background</td>
</tr>
<tr>
<td>Marigold, African</td>
<td>ABC</td>
<td>12-18</td>
<td>Use liberally in masses</td>
</tr>
<tr>
<td>Miniature Sunflower</td>
<td>BC</td>
<td>8-12</td>
<td>Cutting; background</td>
</tr>
<tr>
<td>Nicotiana</td>
<td>ABCD</td>
<td>8-12</td>
<td>Especially fragrant at dusk</td>
</tr>
<tr>
<td>Salvia (blue)</td>
<td>AB</td>
<td>12-24</td>
<td>Blue variety desirable artistic</td>
</tr>
</tbody>
</table>

### Ten annuals for massing

<table>
<thead>
<tr>
<th>Kind</th>
<th>General Method</th>
<th>Space</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aster (X)</td>
<td>ABS</td>
<td>12-24</td>
<td>Cutting; try new Sunshine</td>
</tr>
<tr>
<td>Asclepias</td>
<td>ABC</td>
<td>6-12</td>
<td>Border and cutting</td>
</tr>
<tr>
<td>Bachelor’s Button (X)</td>
<td>BCD</td>
<td>6-10</td>
<td>Indispensable blue annual</td>
</tr>
<tr>
<td>Calendula (X)</td>
<td>ABCD</td>
<td>10-12</td>
<td>Cutting; long blooming season</td>
</tr>
<tr>
<td>Calliopsis</td>
<td>CD</td>
<td>8-12</td>
<td>Self sows; cutting, showy</td>
</tr>
<tr>
<td>Eschscholtzia</td>
<td>CD</td>
<td>6-8</td>
<td>Likes dry sunny soil</td>
</tr>
<tr>
<td>Lupine</td>
<td>CS</td>
<td>12-18</td>
<td>Showy, especially new hybrids</td>
</tr>
<tr>
<td>Phlox (X)</td>
<td>AB</td>
<td>8-12</td>
<td>Full sun, light soil</td>
</tr>
<tr>
<td>Salpiglossis</td>
<td>ABS</td>
<td>8-12</td>
<td>Rich colors; cutting</td>
</tr>
<tr>
<td>Zinnia (X)</td>
<td>ABC</td>
<td>8-24</td>
<td>Cutting; border; pinch back</td>
</tr>
</tbody>
</table>

* 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 Honeysuckle from Russia and Siberia has red fruit, rarely yellow, in July and August. The Spangled Honeysuckle (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 Coraline 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)
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)
February, 1931

Decorating Secrets
that make a living room cozy and charming!

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."

Illustrated above: No. 816 Secretary $72.00, No. 192 Rudder Table $56.00, No. 803 Butterfly Table $16.00, No. 821 Highboy $116.00, No. 73 Arm Chair $85.00.

This new Booklet, written and illustrated by Lurelle Guild, contains 20 pages of decorating ideas and furniture suggestions.

Salisbury
Brothers' Furniture Company
EARLY AMERICAN FURNITURE
RANDOLPH, VT.

Sprague & Carleton
Incorporated
"CANDLEBACK" CHAIRS
KEENE, N. H.

MERCHANTS & MFRS. CO.—Dept. A22
P. O. Box 1974, Springfield, Mass.

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)
Linen Damask is Gay at Breakfast

TRELLIS
The familiar interlacements 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.

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 DamiASK 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 Tub bergen’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 Harmonizing the New Ensemble Groupings"

Says MISS IRENE HAULTAIN

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 occasionalals—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 hallmark 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

GRAND RAPIDS MICHIGAN
Avoid the Expense and Inconvenience of Refinishing Floors

RENEW THEM WITH THE AMAZING NEW FLOOROLA METHOD

Clean and Permanently Protect Your Floors This Remarkable New and Different Way!

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-slippery. 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 up your home for days at a time.

THE FLOOROLA CORPORATION, YORK, PENNSYLVANIA

The etiquette of silver

Continued from page 551

But, as to choice of design, let neither me nor any other influence you in selection of what you are to use day after day, perhaps all your lifetime.

Only one piece of advice: Be as sure as you can that you will not be attracted by 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 flatware. And there are endless copies of Sheffield designs that are perfect—not merely for temporary use but for a lifetime.

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 550 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 this 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.

We have 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 quarterm to a third under suitably proportioned size.

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 legs, bad, on the other hand, are thick, heavy tines with sharp, clumsy corners, or meaningless eccentricities of outline.
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.

THE AMERICAN BRASS COMPANY, GENERAL OFFICES, WATERBURY, CONN.
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, firenet and tender, 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 and a quill pen and a blotting pad.

The architects' plan for the landscaping of the grounds is shown in the photographs on page 364 and 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 today.

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—silver-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 intermingled. 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 inside side of the drive circle to give permanent green effect throughout the winter. The foreground might be enlivened with Aconites 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 arbores 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)
Curtains of Celanese Will Give Your Home
THE CHARM YOU HAVE BEEN SEEKING

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

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.

Gem Crib and Cradle Co.
Gardner Massachusetts

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 disturb the rest of the garden with shredded material. Mixed Japan Iris may be used in connection with the pool or merely to give distant color. Beyond it a seat and statues could be effectively introduced to lead the eyes 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.

KEY TO PLAN ON PAGE 362

1. Boxwood—specimens
2. Rhododendron—mixed hybrids
3. Mountain Laurel—specimens
4. White Flowing Dogwood—busby specimen
5. Red Flowing Dogwood—busby specimen
6. Black Locust
7. Small-leaved English Ivy
8. Native Ferns and Pari-winkle, interspersed, 100 of each
9. California Privet
10. Plateau Juniper—low type
11. Upright Japanese Yew
12. Pachysandra
13. Douglas prostrate Juniper
14. Viburnum carlesi
15. Yew hedge (Taxus)
16. Specimen prostrate Taxus
17. American Elm
18. European Beech (clipped)
19. Moss Retinospora (R. veit-ichi)
20. Climbing Roses—various
21. Persian Lilac
22. Hybrid Lilac
23. Bush-honeysuckle—assorted
24. Apple trees
25. Red Cedar
26. Dwarf Retinospora
27. Hollyhocks—assorted
28. Long-spurred Columbine, mixed
29. Goldflower (Hypericum mos-serianum)
30. Peony—red and white
31. Adam’s Needle (Yucca)
32. Lupine, 3 colors
33. Chryanthemum, assorted
34. Torch Lily
35. Phlox laphami
36. Myosotis, blue and white
37. Delphinium, assorted
38. Madonna Lily
39. Clump Speedwell (Veronica longifolia subsecuens)
40. Dwarf Goldftu (Alyssum saxatile compactum)
41. Carpathian Harebell
42. Tickseed
43. Dropmore Anchusa
44. Babybreath
45. Shark Sundrop (Onothena missouriensis)
46. Philox, assorted
47. Double Dutch
48. Aster, mixed
49. Globe Arborvitae
50. Rosemary Arborvitae
51. Japanese Iris, mixed
52. German Iris, mixed

“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. The pipe for this particular house is one with the best distribution probably does not get it because a nearly equal added they are forced to cast aside these weapons. They now compete with the bluntness 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 356)
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...

Yes, it's really a pleasure to wash dishes with the "EBCO" DISHWASHING 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 hosespray—now advocated by medical authorities. 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.

"What!?!! ELEPHANTS tramping 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 footstep 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.

Guarantee Ozite is sold under an ironclad 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.

Send the coupon for Ozite samples. Men, women, children will love Ozite in their homes. Ozite is a revelation.

Ozite RUG CUSHION
Corbin locks
KEEP what
you ACQUIRE
GOOD BUILDINGS DESERVE GOOD HARDWARE

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P. & F. CORBIN  NEW BRITAIN, CONN., U.S.A.

The American Hardware Corporation, Successor
NEW YORK  CHICAGO  PHILADELPHIA

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

begin quote

The American Home

"Or equal"
Continued from page 384

requirements (as dictated by the con-
tactor) he loses the sale. His business
which has been marching along a high-
way turns off into a dead end street.
If this practice is as common as
architects say those building materi-
als firms which truclle to the con-
tactor's desire to bargain must al-
low 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
price they may charge other pros-
spective 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 dis-
count and yet pay
more for window glass because an-
other 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 con-
tactors who need work.

When "or equal" is used you in-
vest the contractor with discrimi-
natory powers that he is very likely to
abuse. It is said to be an actual
fact that the house of a paint manu-
facturer was painted with a competi-
tor'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 dis-
to be confused with the number and the proposed additions
required for the contract. The owner who
familiarizes himself with the
materials salesmen in their offices,
each eager to prove the superi-
ority 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 ma-
terials values and who left all de-
cisions up to the architect and con-
tactor 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 prob-
lems of home building into their
own hands. Their architects discuss
materials and even methods of build-
ing with them now, rather than with
the contractors.

We think this trend from contrac-
tor-dictation to owner-dictation will
work wonders for the building indus-
try. 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
is asked to do. As long as the deputiza-
to get his hopes for progress
in the hands of his agents.

To speed the coming day we urge
all prospective builders to familiariz-
to get their products
characteristics of another manu-
ufacturer, he may do so by the sub-
mission of an alternate bid specifically
stating the proposed substitutions by
manufacturer's name and, catalog
type number and the proposed additions
deductions from the basic price.

We advise owners to dictate speci-
fications wherever possible and to
omit "or equal" in order to be cer-
tain that no substitutions will be
made.

end quote
Among prominent persons and institutions served by Davey Tree Surgeons are the following:

CITY OF AUBURN, NEW YORK
MISS IDA M. TARREL
HONORABLE GEORGE WHITE
CATHOLIC UNIVERSITY OF AMERICA
HOTEL ROYAL PALMS
ROOSEVELT MEMORIAL PARK
U. S. VETERANS HOSPITAL
CHERESA, N. Y.
FRANK B. NOYES
WM. ZIEGLER, JR.
J. J. BERNET

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 the vitality in such cases, before a larger investment is made.

There are many starving trees encountered, and Davey standards require that such trees be properly fed and their vigor re-established before investing more of the client's money.

You can trust Davey Tree Surgeons. They follow definite rules of professional procedure and are held to it by regular supervision and strict organization discipline.

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

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
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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.

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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.

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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, or we will send you one or more for $1.00 each postpaid. Anyone can attach them, and they are guaranteed for five years.

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CADWELL
No. 10 AIR VALVE

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Gentlemen:

Please send me........ Cadwell No. 10 Air Valves at $.... each. I will pay postman when received.

Name
Address
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.

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.

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 $1.17 postpaid. Handy-Andy Specialty Co., Inc., 534 Van Alst Avenue, Long Island City, N. Y.

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 $1.20. 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.

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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.

The ironing board shown above has full-size ironing top 34" long 15" wide and 2" 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 Ventflector 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.

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 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., Binghampton, N. Y.
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 cleaners:
  - 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.

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

Send 10c for 25c trial can

S. C. JOHNSON & SONS, DEPT. A8, 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.
From a 17th Century New England Home...

came the inspiration for this "Secretaire"...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.

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 the 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

Homes of a Hundred Comforts 500
Lambert

Beautiful Woodwork and How to Have It 15

Beautiful Soft Pine Bureau 120

Bernardsville, N. J.

New England Home 315

Burlington Venetian Blind Co.

Asbestos Shingles

Ambler Asbestos Shingle Sheathing 59

ENGLISH THATCH ASBESTOS SHINGLES

Ambler Asbestos Shingle 2 Sheathing 59

THE WHY OF LAMINEX DOORS WHICH WILL NOT SHRINK, SWELL, OR WARP

BEAUTIFUL BIRCH FOR BEAUTIFUL WOODWORK

Northern Hemlock 2 Hardwood Ass'n 10

PICK-O'THE-PINES

House Wiring Installation

BEAUTIFUL WOODWORK AND HOW TO HAVE IT

Arkansas Scft Pine Bureau 140

Lumber

Shevlin, Carpenter & Clarke 612

PLUMBING FIXTURES IN COLOR

The Finzer Bros. Clay Co. 681

WOOD CONVERSION CO 434

INCREASING HOME ENJOYMENT

A. M. Byers Co. 196

RUST PROOFED

American Brass Co. 217

BATHROOM ARRANGEMENT

American Brass Co. 217

RUST PROOFED

Donald Durham Mfg. Co. 531

THE MODERN TREND IN WALL COVERINGS

Columbus Coated Fabrics Corp. 605

THE SECRET OF BEAUTIFUL FLOORS

The Gordon-Van Shingle Co. 162

BEAUTY IN BRICK

Portland Cement Ass'n. 182

HOMES OF PERMANENCY

The Higgin Mfg. Co. 27

MODERN HOME INTERIORS

National Lumber Mfrs. Ass'n 566

LAMINEX DOORS WHICH WILL NOT SHRINK, SWELL, OR WARP

LAMINEX Corp. 100

THE QUILT BOOK

Weatherbest Stained Shingle Co. 84

NATIONAL STEEL FABRIC COMPANY

National Steel Fabric Company 672

BEAUTY IN BRICK

A new standard of home construction Chicago Mill 2 Lumber Co. 5

JUST BETWEEN YOU AND THE WEATHER

Reading Iron Co. 519

PLUMBING FIXTURES & BATHROOM ARRANGEMENT

American Brass Co. 217

BATHROOM ARRANGEMENT

C. F. Church Mfg. Co. 31

MAKING BATHROOMS MORE ATTRACTIVE

C. F. Church Mfg. Co. 31

PLUMBING FIXTURES IN COLOR

Towson Pottery Co. 460

BATHROOM FIXTURES

Monarch-Ball-Collender Co. 607

COLOR & STYLE IN BATHROOM FURNISHINGS

Standard Sanitary Mfg. Co. 138

ONE PIECE WATER CLOSETS

W. & J. Case of St. Louis 568

Hardware

The Wynne Artistic International Castlemaster Co. 23

GOOD WOODWORK GOOD HARDWARE

P. & F. Corbin Co. 186

HARDWARE FOR UTILITY AND ORNAMENTATION

Seagram Corp. 464

IDEAL SCREENS FOR CASMENT WINDOWS

Relacore Co. 312

YOUR WINDOWS THROUGH A DECORATOR'S EYE

David Latham's Sons Co. 321

WIRE CLOTH SIEVES

The Gilbert & Bennett Mfg. Co. 435

HINTS FOR WINDOW, DOOR, & PORCH SCREENS

C. F. Church Mfg. Co. 31

SCREENING YOUR HOME

The Higgin Mfg. Co. 27

STANLEY TOOLS FOR THE AMATEUR CARPENTER

The Stanley Rule & Level Plant 611

STANLEY WROUGHT HARDWARE

The Stanley Works 585

FLOOR PROTECTION—NO MAR FURNITURE BEATS Bassick Manufacturing Co. 667

WALLS &Floors

BEAUTIFUL FLOORS

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STYLE IN OAK FLOORS

The E. E. Bruce Co. 435

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MAKING A FLOOR LIVE LONGER

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The Whitney Home in Town—Rambler Sunlight

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Samuel Cabot, Inc. 160

ALUMINUM PAINT—A FRESH COAT OF ACTUAL METAL

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Awning Systems

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Otto & Co. 390

Blinds

SIBLING VERSTAN BLINDS

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KANE QUALITY VERSTAN BLINDS

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DEFENDABLE SEWAGE DISPOSAL

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THE BEATTON 3% Cadwell Mfg. Co. 513

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Canadian Fireplace Ass'n 530

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FIRE THAT BURNS UP HILL

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NEW BEAUTY & UTILITY IN PLUMBING FIXTURES

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REVERSIBLE ASPHALTED SEPTIC TANKS

Reverso Boiler Works 218

GLASS

THE BEATTON 3% Cadwell Mfg. Co. 513

QUALITY IN GLASS FOR WINDOWS

Libby-Owens-Ford Glass Co. 670

CONANT-BALL COMPANY

MAKERS OF COLONIAL FURNITURE

76 Sudbury Street B Boston, Massachusetts

(Continued on page 396)
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.
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; 343 Oliver Building, PITTSBURGH, PENNSYLVANIA.
How Dry is Your Home?

Do you cough your way through winter? Do you suffer immeasurably? Do you shiver in temperature that should be comfortable? If you do, it is a sign that the air in your home is too dry. Health authorities agree that the amount of moisture in the air in sufficient quantities, and this is the way to tell the actual conditions.

Tycos Humidiguide has a handsome bakelite case in either mahogany or ebony finish. It has accurately matched permacolor for the home gardener. The Hygrostat sets the condition of the air to a given percentage. The hygrometer is easily used. Tycos Humidiguide will save illness, coal, money. You owe it to your family to get one immediately.

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.

The Best General Book for the Home Gardener

GARDEN MAKING AND KEEPING

By HUGH FINDLAY

$5.00 at all bookstores

DoubleDay, Doran & Co., Inc.

How Much does a GOOD Water System Cost?

There are no better water systems built than the Myers. Yet the owner of a Myers Water System actually pays less for water than most city folks do. A Myers Junior Direct Water System for shallow wells, costs only $75.00 complete with motor ready for installation, and delivers 250 gallons of fresh water an hour. For $105.00 you can get a complete Myers pressure tank system ready for installation like that pictured below. And even if you use lots of water, the daily power costs for running one of these systems is only a few cents.

The F. E. Myers & Bro. Co.

100 Orange Street Ashland, Ohio

Pumps, Water Systems, Hay Tools, Door Hangers

MYERS

Water Systems

An Automatic Electric Shallow Well System

The illustration shows a complete Water System unit for wells up to 21 feet deep. 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-feeding. Capacity 250 gallons per hour.

San-Equip Sewage Disposal Service

San-Equip Inc.

712 East Brighton Ave.

Syracuse, N. Y.

Please send complete information.

Name

Address

City

State

San-Equip Service

For twelve years, leading sanitation and health authorities have accepted San-Equip as standard for quality, durability and dependability in the sewage disposal field. And now with increased production facilities and lessened costs, the price of San-Equip Service has been considerably reduced. In fact, it will cost you no more than you may pay for cheaply-built equipment.

The "Certified" System is a complete system—combining the San-Equip Septic with a correctly designed drainage field of San-Equip Filter Pipe or a San-Equip Drain Field. And with your installation, you will receive a Certificate of Approved Equipment—definite proof of a reliable system properly installed.

Send the coupon today for complete information.

SAN-EQUIP INC.

712 East Brighton Ave., Syracuse, N. Y.

For the Home Gardener

February, 1931

GARDEN MAKING

AND KEEPING

By HUGH FINDLAY

$5.00 at all bookstores

DoubleDay, Doran & Co., Inc.
"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 W. E. Reiley of Nickie Bros., Plumbing and Heating Contractors, Philadelphia, Pa.

THERE’s a new kind of pipe that makes replacement moderate in cost. A flexible pipe that can be bent around corners and worked down inside walls. Every time it’s bent it saves a fitting and saves the cost of opening up walls and floors to install it.

Usually the old pipes are left just where they were. A small opening is made in the wall, a floor or two is lifted up and Chase Copper Water Tubing is worked around beams and corners inside the walls and floors.

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

For NEW CONSTRUCTION
CHASE Alpha BRASS PIPE

When a new house is being built, and open walls make rigid pipe easy to install, use Chase Alpha Brass Pipe. It costs only ¼ of a cent per building dollar more than the cheapest rustable pipe—for example, about $75 more for a $10,000 house.

HELPFUL BOOKLETS
Continued from page 392

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THE TERRIBLE TEMPERED IRON SHANG THROWS WHAT HE CHASHEES

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American Radiator Co. 617

TWO DOOR HOUSES

Talbot Instrument Co. 355

AUTHENTIC PERIOD FURNITURE OF GARDEN

CHAIR

REX KITCHEN CO. 183

TO DRAW YOUR WINDOWS

Kenric Company 55

FOR THAT NEW ROOM OF YOURS

Armstrong Cork Co. 85

WALL COVING (SANITAS)

Standard Textile Products Co. 78

COLORS A RANGE OF BEAUTIFUL HOMES

Ontario Mills 75

HOW TO MODERNIZE YOUR HOUSE WITH WALL-

PAPER

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THE MOST EFFICIENT RADIATOR ENCLOSURES

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Concord Bell Co. 608

EARLY AMERICAN FURNITURE REPRODUCTION

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Gordon of America, Inc. 627

SCIENTIFIC LIGHTING FOR HEALTH

Reed, Inc. 629

BOUGIE OF BABY FURNITURE

Growth Craft of Cradle Co. 648

MAPLE FURNITURE OF YESTERDAY AND TODAY

Northern Hard Woods Mfns. Assn. 158

THE IMPORTANT POINTS OF INTERIOR DECOR-

ATION

Columbus Corded Fabric Corp. 661

THE TABLE IN THE HOUSE

Emperor Furniture Co. 320

REDUCING THE CARE OF FLOORS & FURNITURES

Mansfield Mfg. Co. 56

A VERSATILE WOOD FOR INTERIORS

Southern Cypress Mfrs. Assn. 674

GARDENING GIDEONIC

Kernor Incorpoibori Co. 39

THE SILENCE OF A NEW DAY

Milwaukee Mfns. Assn. 416

HOT WATER SUPPLY

American Radiator Co. 658

PEOPLE IN THE HOUSE AROUND THE CORNER

Cardiff & Gordon Chem. Corp. 413

ARMSTRONG TABLE APPLIANCES


GARDEN AND GROUNDS

WOVEN WOOD FENCING

Robins Fence of Garden City, Inc. 102

HOUSES FOR PROTECTION & BEAUTY

Page Fence of Wire Products Assn. 141

HOW TO GROW BUSHES

Bathik & Ablow 676

LAWN MAINTENANCE EFFICIENT

Modern Machine Works 614

WHICH WOOD IS BEST FOR FENCES

Tuscany Fence Co. 610

FEATHERED AS A COCK'S COMB

Brook Iron Works, Inc. 349

ENERGY SAVING, INEXPENSIVE & SAFE

Asbestos Laboratories, Inc. 356

THE GARDENING HANDYMAN

Swiftly of Company 377

POWER & GARDEN FURNITURES

Old Hickory Furniture Co. 750

CONCRETE IMPROVEMENTS AROUND THE HOUSE

Portland Cement Assn. 497

HOUSES—Ironical

E. F. Hodgson Co. 678

Cedar FENCES, ARBOURS, TRELLISES & SMALL

HOUSES

E. F. Hodgson Co. 499

GOLF GREENS FOR YOUR LAWN

Corner Mfg. Co. 615

THE DREDALE OF LAWNS

O. M. Scott of Sons Co. 357

TRUE TENDER: LAWNS

True Tender Garden Products Co. 544

SPECIAL FOR GARDEN LOVERS

Mohican Garden Club, Inc. 560

HARVEST FENCING

Harvest Fence, Inc. 566

AQUASURE PLANT LABELS

Pondless Water Products Co. 578

HOW TO PLANT THE HOME GROUNDS

National Horticultural Bureau 632

SUCCESS IN LANDSCAPE GARDENING

National Landscape School 633

LANDS BEAUTIFUL

Jacobus Mfg. Co. 636

MISCELLANEOUS

HOME MOVIES

Eastman Kodak Company 412

TWO DOOR HOUSES

Upright Products Co. 671

E. E. Killing Co. and the Housewife

Knapp & Vogt Mfg. Co. 655

For my information only, you will please state briefly, the plans you have in mind which lead to your request for booklets.

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.

1. I am planning to

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

(Insert numbers from list)

Name:

P. O. Address:

City: State: Feb. 1
Here’s the new Wax
that cuts work in half

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.

When you use this new wax you’ll discover, first of all, that in a very few minutes it gives the floor a soft, lustrous beauty that adorns a room like mellow sunlight.

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 linoleum 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
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 contents of a highly organized civilization will enjoy choosing sheets from the new selection 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 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 106-inch long sheet length 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 sheeting vary, but 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 map 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.

Comfortable, like blankets, 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 a demure 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, embirling pictorial prints for the very young room — but flattery or tailored, the spread is the most versatile of all bed fittings.

**Knitting Wool**

**Rug Yarns**

200 samples free — prompt mail service
40 SMALL SKINS GERMANTOWN $1.00
ASSORTED BRIGHT COLORS
Colonial Yarn House
1231-K Cherry Street Philadelphia, Pa.

**Beautiful Birds**

SPEcial Price 81.00

Parakeets and Zebra Finches

Send for prices on list price

ELLENWOOD CATHAL & CO.

**Bird Haven**

**Besaeda, Calif.**

**Sani-Flush**

CLEANS CLOSET BOWLS

WITHOUT SCOURING

**Sex & Youth**

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

DOUBLEDAY, DORAN

$2.00

**Lundstrom**

**Sectional Bookcase**

Most desirable and economical bookcase for home or office. Sectional, never too large or too small; fits odd spaces 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.

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**MODERN HOMES**

DIRECT FROM MILLS TO YOU!

Get priceless facts about the lovely home you plan to build. Profit by our 46 years of specialized experience.

Choose from 100 prize designs or let our home planners Gastgyn your ideas in wood, brick, or stucco. Bungalow, two-story homes and designs with looks are finest modern features, such as built-in bookcases, linen closets, medallions, etc. For 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 map and the texture and workmanship of the fabrics themselves.

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**K N I T T I N G W O O L**

**RUG YARNS**

200 samples free — prompt mail service
40 SMALL SKINS GERMANTOWN $1.00
ASSORTED BRIGHT COLORS
Colonial Yarn House
1231-K Cherry Street Philadelphia, Pa.

**B E A U T I F U L B I R D S**

S P E C I A L P R I C E 8 1.00
Parakeets and Zebra Finches
Send for prices on list price
ELLENWOOD CATHAL & CO.
BIRD HAVEN, BESAEDA, CALIF.

**S A N I - F L U S H**

CLEANS CLOSET BOWLS

W I T H O U T S C O U R I N G

**S E X & Y O U T H**

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

DOUBLEDAY, DORAN

$2.00

**Lundstrom**

**S E C T I O N A L B O O K C A S E**

Most desirable and economical bookcase for home or office. Sectional, never too large or too small; fits odd spaces 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.

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Warm in the North
Cool in the South
Quiet Everywhere!

The basic insulating material in Cabot's Quilt is a sea-plant, Zostera Marina.

Zostera Marina is rot-proof, vermin-proof, and fire-resistant. It will never pack down, decay, or lose its insulating power. It deadens sound and noise and keeps a house comfortable the year round. Therefore, you can use it to build a warm house in New Brunswick, a cool house in New Orleans, or a quiet house in New York. And if your needs are not so extreme as these, you can nevertheless use it to get more comfort, health and peace of mind than you thought possible for so little money. The coupon below brings highly interesting information. Mail it today!
All of the articles illustrated this month have been selected with great care and discrimination. They are the newest and smartest objects shown in the shops. Send your check or money order direct to the firm and address. Write Shirley Paine for anything else.

The shoe-caddy is the latest smart convenience for sportsmen. Useful for carrying spiked golf shoes, skates, etc. Made of awning cloth and calf leather. The bag is divided into two compartments and has a four-division pocket for holding a shoe horn and extra laces. In two sizes and a variety of colors. Price $3.00 prepaid. M. N. Arnold Shoe Company, North Abington, Mass.

This is an authentic reproduction of the famous old "Bedford Bowl." It is very graceful with its oval maple top and birch legs. Very decorative especially for a Colonial interior. Handy for sewing, books, magazines, or flowers. Height 20"—bowl 16/" diameter. Also can be had in mahogany hand-rubbed finish. Price $9.50 express collect. Lewis & Conger, 78 West 45th Street, N. Y.

A LUNcheon set which is so effective that you need no other table decoration. Straight from the Basque country in the south of France. The white linen can be had with stripes of yellow and red, orange and blue, yellow and blue, or red and blue. With 6 napkins $5.50; with 12 napkins $7.00. Edmond Dewan Co., 225 Fifth Ave., N. Y.

IT'S EASY TO KEEP WINDOWS CLEAR AND CLEAN

There's no muss or fuss about cleaning windows with Wright's Silver Cream. Just rub a little of this soft, smooth paste on with a damp cloth, wipe off with a dry one and the glass is clear and unmarked. And Silver Cream is kind to your hands too.

There are many other household uses for Wright's Silver Cream besides cleaning silver. Let us send you a free booklet of the many uses of this polish. A trial will convince you that it is a fine all-round cleaner. Your dealer has it at 35c for a 4-oz jar.

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IN CONTRACT Bridge is much more difficult to calculate the score quickly than it was in the old Auction. With this handy little device you can do it in an instant with a twist of your fingers. When not in use fits in a small moor case, and can be easily carried in a handbag or man's vest pocket.

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Hand forged hardware will make your house more interesting and distinctive—and it is not expensive.

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The Towery Food Cage attracts wild birds to your garden. Keeps them summer winter; guarantees their food supply. Stylishly designed in pine or coast hickory, the 2-foot chain keeps it from reach of molesting animals. Stacked with seed in winter; bread or greens in summer, one Towery Food Cage feeds the population of an acre.

Endorsed by Nat'l Audubon, L. I. Bird Society, etc., as one of the finest feeding methods. Discourages migration.

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In and About the Garden

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. subcarnosus, 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 limy; 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 carpafi and 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 Huts, 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 Pennsylvania, as some say, and that they will grow in sweet soil in any place else, as more than the 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 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
You can have a beautiful lawn with Vigoro

And the average cost is only 10 to 20 cents per hundred square feet!

Little enough to pay for a newer, greater home garden beauty. Larger, more delicately tinted flowers that bloom earlier and last longer. Richer, greener lawns. Hardy shrubs and trees masked in lustrous foliage. Crisper, better-flavored vegetables.

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Vigoro is the largest selling plant food on the market today. Developed by Swift & Company experts. It contains all the food elements that plants require for finest growth and beauty.

Your lawn and garden supply dealer has Vigoro. Better order enough now for everything you grow. It comes in 100, 50 and 25 pound bags. And in 5 pound and 12 ounce packages for house plants and window boxes.

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FREE—"Gardening Success," an interesting and helpful booklet written by Dr. J. F. Fonder.

ADDRESS—Swift & Company, 4136 Packers Ave., Chicago, Ill.


A Detroit show place—the home of Edgar A. Guest, famous poet. (Natural color photograph) "Our lawn, flowers, shrubs and trees have shown remarkable growth with Vigoro," says Mr. Guest.

Vigoro Complete plant food for lawns, flowers, gardens, shrubs, trees

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Build your Summer Cabin with Shevlin Log Siding

When you are considering the material for your outdoor cabin you may remember having admired certain snug, woody cabins of peeled pine logs. In all probability many of these cabins were actually built of Shevlin Log Siding, since this new building material looks like log construction and is being widely used for mountain, beach and lake retreats.

Shevlin Log Siding makes weather-proof cabins with none of the costly, uncomfortable disadvantages of real log structure. It saves the labor and expense of felling, stripping, and hauling. Made of pine with a rounded log surface, it blends fittingly with its surroundings and can be finished in charming weather-beaten effects.

Finished with shiplap edge, one “log” fits the next to make a tight structure with minimum labor. And it is reasonable in first cost, can be easily obtained from the nearest lumber dealer and can be put up by any carpenter—or by yourself.


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"Everything for the Garden," Henderson's new seed cata-
logue, together with the new Henderson 25-cent rebate slip,
which will also entitle you, without charge, to the Henderson
specialty offer of 6 packets of our tested seeds with your first
order amounting to $2.00 or over.

These 6 packets are all seeds of our own introductions, and are
among our most famous specialties—Ponderosa Tomato, Big
Boston Lettuce, Early Scarlet Turnip Radish;—Invincible
Asters, Brilliant Mixture Poppies and Giant Waved Spencer
Sweet Peas. These, like all Henderson's Seeds, are tested seeds.

For 84 years, HENDERSON'S TESTED SEEDS have been
the standard. Year after year, our constantly improving meth-
ods have enabled us to maintain our supremacy among Amer-
ican seed houses. The initial cost of your seeds is the smallest
item in your garden's expense, and it is of advantage to plant
seeds of recognized quality from a house of reputation and
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This is a beautifully illustrated
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from actual photographs of the re-
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It offers many special collections of
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give a continuous supply of fresh

vehicles throughout the Summer,
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packets of Flower seeds as described above.

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Name ..............................
Address ..........................
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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 frosthitten 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.

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

Spray with whale oil or any strong soap for aphis.

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

Start Tuberous Begonias in boxes until ready to set out.

Divide some of the spring flowering Dicotyledons for late summer blooming.

The Admerican Home
FEBRUARY, 1931

NEW STARS! — IN THE FIRMAMENT OF FLOWERS

— 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.

Noveillities of 1931

Absolutely New!

Offer A — A $14.65 Value — $12.00

Edelweiss Aster—Snow White—First of a new line of easy, very free blooming perennials. Fully double, pale yellow flowers, 2 inches across, on 3 to 4 ft. stems. Extremely effective with white dahlias or yellow chrysanthemums. Pkt. 35c.


Petunia Hybrida Grandiflora, Queen of the Market — A magnificent new Petunia with flowers of the most vivid scarlet. Flowers 3 1/2 in. across on 3 ft. stems. Pkt. 35c.

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

Aurinia Anethoides, African Orange Daisy — Brilliant orange flowers, 2 inches across, borne on plants often 3 to 4 ft. high. Pkt. 35c.

Ursinia Anethoides, African Orange Daisy — Brilliant orange flowers, 2 inches across, borne on plants often 3 to 4 ft. high. Pkt. 35c.

Edelweiss Aster—Snow White—First of a new line of easy, very free blooming perennials. Fully double, pale yellow flowers, 2 inches across, on 3 to 4 ft. stems. Extremely effective with white dahlias or yellow chrysanthemums. Pkt. 35c.

Aurinia Saxatilis — A new species of bright golden yellow, borne on plants often 3 to 4 ft. high. Pkt. 35c.

Petunia Hybrida Nana, Cockatoo — A grand new dwarf hybrid. Large pure white flowers borne on stiff stems. 1 ft. tall. 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.

Schling's New Annual Double Fringed Hybrid Chrysanthemum — In a charming color range, very attractive in both garden and vase. Pkt. 75c.

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

Larkspur, Forest Hybrid — A new and beautiful larkspur for the rock garden. Loving shade, flowers are well borne, and fully double. April to June. Pkt. 75c.


Gentiana Farreri — Rare Gentian from China, bearing in August large sky-blue flowers. with white centers. Pkt. 75c.

Gentianella쪽 — Very dwarf and compact 1 ft. high. Vibrant blue flowers. Pkt. 35c.

Viola Cornuta, Lavender Gem — A profuse blooming summer bloomer with lovely flowers which are as perfect in every way as the great English favorite, Maggi Mott. Rich deep blue. Pkt. 10c.

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

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

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 to six weeks before it is intended to use. Fresh horse manure containing some straw or litter should be used. Pile it up under cover so that 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 piles 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 up on the sides.

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

A few days after the bed is completed the bed should begin to heat, until the temperature is 100 degrees or more. 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. G. QUINT.

A farmhouse in the city

Continued from page 370

A rich, soft yellow—almost an orange-yellow—with the tiniest of flowered edges. This is one of the most popular of all trick-suns. Send for it.

Mail-Order Trio of Water Lilies—$5

Here very fine, hardy Water Lilies which will delight you with their beauty and fragrance. A beautiful specimen of Marliac’s, a large, deep rose flower, Calico, an exquisite yellow, Marliac White, large, white flowers. A ready made, inexpensive pool, 4 ft. 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.

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Send at Once for This Outstanding Catalog
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GARLAND FLOWER
For its lovely fragrance the Garland Flower surely deserves a choice place in your plantings. Price for bushy, flowering plants about 7 to 9 inches in diameter, each 75 cents, per 1, $2; per 12, $8.

Complete cultural instructions will be sent with each order!

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"Aster's that will delight you"
For perfection of form and charm of color, Dreer's Famous American Asters will be a revelation to those who know only ordinary varieties. To introduce these superb Asters, which are easily grown and bear a profusion of large flowers, we make this Special Offer: Six ½ oz. packages of seeds of six leading varieties, all different colors, $4.00 for the collection. Six packets, all different colors, 50c.

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Hardware for hard wear
Continued from page 368

The outdoor Living Room
and Rock Garden

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The Outdoor Living Room and Rock Garden

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 piquancy of the soup needs to be modified rather than accentuated. 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 and hard outside, it may be sliced and toasted a second time. If it is desired that there be no crumbs, they may be removed by rubbing the slice gently between two pieces of clean cloth. This will reduce the fat to an inappreciable difference as stated.

A good excuse for a special form of lock is the 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. (Relate, 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, Cremone or Espagnolette bolts according to their shape and method of fastening. The mortise bolts are entirely concealed within the woodwork of the door, the Cremone and Espagnolette bolts are applied to the inner face of the door. The Cremone bolts are flat at the back and rounded in front. When you turn the round, oval, or lever knob you shut 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 as 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. (Rebate, by the way, is pronounced “rabbit” in the building trades.)

The rebated door calls for a special type of mortise bolt, by a knob. The rotation turns hooks above and below the door into slots, thereby locking the door.

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(Ornament Flower)

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We have sold thousands of plants in almost every state and they have proven successful except in the hotter parts of the South and West.

Again we have a splendid lot to offer. The price of plants with ball of earth is as follows:

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**Roses with colorful fruit**

Continued from page 373

berried shrubs. Outstanding is the Japanese Barberry (Berberis thunbergii). This and Siebold’s Barberry are especially valuable for they retain their brilliant red fruits unchanged until spring returns. And remember the Viburnums. Among the herbaceous and woody five different species are known from many parts of the world and some of them are among the most popular ornamental shrubs. The beautiful Japanese Snowball (Viburnum plicatum plumum) 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 and two in our 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 a good library and a comparison will generally clear the matter. The two references are *Standardized Plant Names* and *Standard Cyclopedia 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, this is the place to plant a cluster of ceanothus. Ceanothus are one of the earliest bloomers, and among them, *Ceanothus* is the Red Osier Dogwood (Cornus stolonifera) which bears wild about a quarter of the eastern United States and bears white flowers 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-flowered shrubs. Among the many natives of our woods there are some that refuse to feel at home when transplanted. The vast numbers of roses, not all of them are red fruits. Outstanding is the Japanese Barberry (Berberis thunbergii). This and Siebold’s Barberry are especially valuable for they retain their brilliant red fruits unchanged until spring returns. And remember the Viburnums. Among the herbaceous and woody five different species are known from many parts of the world and some of them are among the most popular ornamental shrubs. The beautiful Japanese Snowball (Viburnum plicatum plumum) 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 and two of these in our 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 a good library and a comparison will generally clear the matter. The two references are *Standardized Plant Names* and *Standard Cyclopedia 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.
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ORDER NOW FOR SPRING DELIVERY
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12 to 15 inches high

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Finding a stock, 10 varieties
White, pink, red, double. White, pink, red, double, each 10c.

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250 ACRES, BLOOMING AGE
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Delphiniums, Rock Pansies, and Light White Flowers,
Blue, red, white, pink, yellow, orange, sunny colors, Double Hydrangeas, Alliums, Delphiniums, Chrysanthemums, Carnations, Marigolds, Hollyhocks, Perennials, Annuals, Vegetables, Flowers of Superior Quality for Rose Lovers and Dahlia Enthusiasts. Coldwell's new catalog is distinctly different.

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Adventure with annuals for color

Continued from page 371

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This combination enables us to supply an assortment of hardy ornamental nursery stock, unusual in range of variety and size, in quality and in quantity. Certainly not elsewhere in the northeastern states, if indeed in the whole country, can such a well-rounded stock of Trees, Shrubs, Evergreens, Rhododendrons, Azaleas and Perennials be found.
Control and management remain unchanged—the same high quality of dealings will continue, improved in many ways by this pooling of resources and experience.
Our Handbook for Spring, 1931, will be "Of the Press™ late this month. It lists and describes this unusual assortment 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 Azalea six 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, 1/4, 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 truth 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 be sold. 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 when you do. 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 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 three 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.

DIENER'S
World-famous
Single

Monster Petunias

Gorgeously colored blooms to 8 inches in diameter in 12 weeks after planting seed. Real prize winners. PLEASING VARIETY of colors. Mixed. Sample package of 500 seeds, only $0.50.

Diener's Giant Frilled Double Petunias

The finest double Petunias ever produced, in all the most up to date colors. Package $1.00.

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New type of Dahlia of immense size and in the most wonderful colors, resembling the Chrysanthemum. The best keeping Dahlia for cut flowers.

25 Seeds. $0.75.

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Petunias, Dahlias, Amaryllis,
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Landscaping, for borders, etc. It is sent green. Spring is "just around the corner," so write today for your copy. Address the

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A Unique Innovation
Our seeds and seedlings are exclusively cross pollinated by hand

These winning new plants of high quality, a popular race of pure WHITE Delphiniums. 6-7 ft., long, full spikes, large flowers; each spike composed of 8-10 blooms. Spring Catalogue is ready. Address order with your name in care of

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Our Hand Hybridized Has No Superior
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50 Seeds, $1.00 plat from this ad. Seeds. Complete illustrated catalogue free.

Superior Dahlia Gardens
Palms, California

Largest Dahlia Growers on the Pacific Coast
INDEX TO ADVERTISERS
February, 1931

Livingston's New GIANT TOMATO OXHEART

The big tomato everybody is talking about. Giant of them all, yet perfect in form and quality. Hundreds of home gardeners who have grown Oxheart Tomatoes report: "The heaviest fruited of them all!" "Numbers weigh from 2 to 3 lbs." "Almost no core." "Smooth as an apple." "Most wonderful flavor!" "The biggest money-maker I know of!"

A single fruit of Livingston's Giant Oxheart makes a platterful of enormous slices—thick, firm, tender and almost meaty. Truly delicious in its refreshing mild flavor. Order now from the original introducers. Packet 15c, post paid.

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New Complete Garden Catalog for 1931—shows all the world's sorts of vegetables and flowers. Write for it today.

THE LIVINGSTON SEED CO.
12 East Spring St.
Columbus, Ohio

For luxurious shade
Plant the Beautiful—Hardy—Fast Growing
CHINESE ELM
(North China Strain)

Plant this Spring and enjoy abundant shade in a few short years.

The tree shown is growing at Solids Point, New York, on Lake Ontario. When planted three years ago it was a little whip 5 feet tall. Last August it measured 17 feet high, with a branch spread of 10 feet and a 4 inch trunk.

The Chinese Elm is the fastest growing tree we know. It thrives anywhere, in any kind of climate, from Arizona to Saskatchewan. One of the first trees to leaf out in Spring and the last to shed in Fall. A tree of rare beauty and symmetry, resisting drought and cold, and flourishing in poor soil. It is ideal for planting on new developments, subdivisions, streets, in parks, for windbreaks, screens and as individual lawn shade trees.

CAUTION! Be sure to buy only the hardy North China strain, endorsed by the U. S. Department of Agriculture. Cheaper Chinese Elms from other sources may be of the few good qualities of the North China Elm, and results from planting them are disappointing. We grow only the hardy, certified North China Elm.

Our new Catalogue, beautifully illustrated in full color, describes the Chinese Elm, and a complete line of Evergreens, Shrubs, Perennials, Trees and Plants of every variety for large or small planting, all grown under rigorous climatic conditions at Rochester, N.Y.

Write for Free Catalogue
Our new Catalogue, beautifully illustrated in full color, describes the Chinese Elm, and a complete line of Evergreens, Shrubs, Perennials, Trees and Plants of every variety for large or small planting, all grown under rigorous climatic conditions at Rochester, N.Y.

Glen Brothers, Inc. GLENWOOD NURSERY
1773 Main Street, Rochester, N. Y. Established 1866

"We furnish the home—outdoors!"

Alpine Plants for Rock-Gardens

OUR catalogue of Alpine Plants tells how to build a rock garden, what plants to use, and offers many valuable collections. A roll garden brings new beauty each day. A little flower, or a bit of color, peeping out among the stones, gives a new zest to gardening. A copy of Alpine Plants will be mailed on request.

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You need the help and guidance of a magazine devoted entirely to gardening.

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Contributors to the Gardeners' Chronicle are first gardeners, then writers. The editor is Secretary of the National Association of Gardeners.

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Insect Pests
of every kind are quickly destroyed by Wilson's O. K. Plant Spray. Protect your flowers, plants, shrubs and evergreens by spraying frequently and thoroughly.

Wilson's Awinc
(Pyrethrum Spray)
Non-poisonous, highly concentrated PYRETHRUM spray. Easily controls more resistant type of insect such as Japanese Beetle, Red Spider, Rose Chafers, Cabbage Worm, White Fly, etc. Complete, requiring only a dilution with water.

Then there is Wilson's SCALE-O —the powerful dormant spray so necessary to the successful growth of fruit and other trees. Scale-O kills Scale insects and eggs—even in Winter. Mixes readily in cold water . . . covers very rapidly and evenly. 1 Gallon $3.00; 5 Gallons $15.00.

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Hill's Evergreen catalog for 1931 is now ready. By far the most comprehensive ever produced, it contains a rich fund of useful Evergreen information—with 50 illustrations in full colors.

Hill's EverGreens
In choosing Hill's Evergreen for foundation planting, or as a colorful screen or garden setting, you choose wisely. For here at Hill's, in our 600-acre nursery, we grow nothing but evergreens — and this we have been doing for the past 75 years! In writing for our 1931 book enclose 25c (coins or stamps), which will be refunded on any order you send us.

D. HILL NURSERY CO.
EVERGREEN SPECIALISTS
LARGEST GROWERS IN AMERICA

Box 106 • Dundee, ILL.

YOUR BIGGEST DOLLAR'S WORTH FROM SALBACH DAHLIAS

GLADIOLUS
FULLY ripened in California sunshine. Ballbach bulbs are the finest that can be grown. If you want the best bulbs, write immediately for free catalog. It lists the best dahlias and gladious at nominal prices.

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My famous "RAINBOW COLLECTION" will delight you. One bulb each of 30 different varieties. $1.00. Would cost nearly $3.00 if separately labeled. Blooming size. Planting hints included. Satisfaction guaranteed.

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Send for my new 36-page GLADIOLUS BOOK, describing 175 beautiful varieties, with name and color. Has cultural hints, collections, special offers, and 45 illustrations. IT'S FREE!

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Sod in six weeks! A rich, velvety stretch of lawn that chokes out weeds before they can grow! You will have a deep, thick, uniform turf that's everlasting and makes your home a beauty spot.

The New Super-Lawn
Creeping Bent—long recognized as the ideal grass for golf putting greens—is now producing Super-Lawns. Instead of cowpoking, you plant sods or the chopped grass—and in a few weeks you have a beautiful lawn like the deep green pile of A Cumberland, Md. customer writes: "In six weeks, almost like magic, Creeping Bent completely covered the ground. It has become so strong that it looks more like a velvet rug than grass."

Read all about this unusual grass in our illustrated booklet, "Bent Lawns." Write for it.

Gladiolus W. H. Phipps

Nine Best Show Glads for $150

A ll who are familiar with gladiolus will recognize the nine listed below as the aristocrats of their race, the outstanding varieties of the day, the consistent blue ribbon winners at all the flower shows. Whether you grow gladiolus for pleasure solely, or to compete in your annual flower show, you will be proud of these varieties.

We offer two sizes of bulb, first size, over 1 inches; and second size, 1 to 1 inches. Many show exhibitors plant only second size bulbs, as they usually produce flowers of the finest quality, though somewhat later in flowering season. The smaller bulbs usually give a greater increase.

Vaughan's Blue Ribbon Collection of Gladioli


One Second Size Bulb of each of the above 9 varieties $1.50

One First Size Bulb of each of the above 9 varieties, postpaid $2.00

For your free copy of Maule's Seed Book request.

FEBRUARY DISCOUNTS ON Bright Flowered and Berried Evergreens

Fine Stock in all Sizes

We specialize on Holly, Rhododendron, Azalea, Kalimia, Boxwood, and Ground-cover plants. Let us quote prices on Holleys, Arborvitas, Fins, Nandinas, Abels, Euonymus and other favorites. Quick estimates on choice hardy Flowering Trees and Shrubs for spring planting. An especial Feb-

Save America's Nut Heritage

Restock our land with those beautiful and ornamental crop bearing trees. Can supply all kinds for lawns or commercial plantings. Regal growth habits. Beautiful flower clusters. Some varieties will give a greater increase.

GARDEN STRUCTURES

A garden structure by Hartmann-Sanders will give character and completeness to your grounds and bring you endless hours of pleasure in the more intimate enjoyment of the out-of-doors.

Garden Guide and Catalog

The 1931 illustrates the above collection in color. It contains 175 color plates of flowers. It is free on request.

American Home

Save America’s Nut Heritage

The American Home

Gardening and Growing

Buis's Seeds

Making a garden with practically no space at all?

JUST LIKE HAVING A RAISED BED IN YOUR BACK YARD

GARDEN STRUCTURES

A garden structure by Hartmann-Sanders will give character and completeness to your grounds and bring you endless hours of pleasure in the more intimate enjoyment of the out-of-doors.

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American Home

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The American Home

Gardening and Growing

Buis's Seeds

Making a garden with practically no space at all?
One of the leading interior decorators, who is also a collector of rare antiques, has just done over an old house in the historic Whitemarsh Valley section, of Philadelphia. She writes as follows:

“In my profession success depends on unerring judgment. When it came to fixing up my own home, you can imagine how careful I was in my selections. But the choice for my kitchen, pantry, laundry and bathrooms was easy because I had seen the wonderful results with Ambler Waltile in so many houses. My advice to home owners is—cheap imitations soon become expensive. Insist on Ambler Asbestos Waltile.”

The cost of Ambler Waltile for an average bathroom, including complete installation, can be as low as $90.00. The work takes only a day or two, and there is no great fuss or mess. The sheets are as hard as marble, —their beautiful glistening surfaces are a delight to clean, fireproof and last a lifetime with the same beauty. You have your choice of many charming colors, —Rose Pink, Apple Green, Nankin Blue, etc. Ceilings as well as walls can be covered with this beautiful Waltile as shown in the picture.

Even if you aren’t thinking of building or remodelling right now, you’ll be interested in learning about this new material, which is revolutionizing previous building costs. So before going on to the next page send off this little messenger below.
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.

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 glinting 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 1951. 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 “Burpeesana” 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
