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Household Gods

At the heart and hearth of every Roman home were the images of the little, well-beloved household gods, Lares and Penates, and the goddess Vesta. There was a warmth and affection about their worship which was lacking in the more formal ceremonies. The slaves and servants of the home looked upon these divinities as their especial protectors and they paid homage to them on occasions set apart during which they were allowed full freedom.

And to-day, despite the gloom of the pressures of a complex world, there is the other side of the American picture which shows homes on hilltops looking across miles of quiet countryside, homes in valleys over which the sweet scents of gardens blow, homes beside smooth running rivers or the thunder of surf, homes whose windows reflect the crimson of prairie sunsets.

There, after all, may be the real Americas where the Lares and Penates are not forgotten and whence come the best of our national characteristics. It is in this belief that this magazine is edited. There might be no better symbols for all the things for which The American Home stands than the quaint pictures of the statues of the Lares and Penates, dancing youths in short girdles, holding a cup or patera aloft in welcome to the guest of the household and the leaping flames at the household shrine.
The colorful Russian peasantcraft linen, hobnail glass pitcher and green Steigel goblets, with crystal stems, combine delightfully with the reproductions of Sandwich glass plates, and Wedgwood containers for fruit and bonbons, producing an enticing effect of coolness on even the warmest midsummer day. (Courtesy, L. Bamberger & Co.)
It is true that houses of the same cubical contents built in the styles of the generally accepted periods, differ quite distinctly in cost. It is equally true that a house built in one of the less expensive styles may in the end cost as much as one in an obviously more expensive style. Why? Inefficient and uneconomical plans and specifications; a site that is irregular and hard to build on; extras caused by omissions, changes, and lack of foresight—these are some of the reasons why houses can cost from twenty to fifty per cent more than the owners contracted for.

This article will attempt to present the relative costs of seven-room houses, containing 28,000 cubic feet, in a few well-known styles of architecture, referred to a standard of $14,000 for a typical Early Colonial design. The styles selected for consideration are: (a) Early Colonial, (b) Late Colonial, (c) Stone Farmhouse, (d) Georgian, (e) Mediterranean, (f) Tudor and (g) French. The prices quoted in the article have been checked by a well-known architect of New York, Charles E. Birge, and a large contracting firm.

To make a fair comparison it must be assumed that all the houses are built on the same kind of plot in the same region (in this case the New York area) and that the nature of the ground is such that the excavation, foundations, and grading are carried on as inexpensively as possible. That is, the ground must be fairly level and free from masses of rock, quicksand, and water.

More important still, for a just comparison, accurate outline specifications of the principal characteristics of each style of house must be decided upon. Alternate materials are mentioned but are not considered in arriving at costs.

The Early Colonial cottage was, of necessity, the simplest style of home. Local materials, limited manufacturing facilities and practical labor considerations combined to keep the shape and details of the house plain. In that form it still survives and, to many, its chaste appearance and proportions are appealingly homelike.

This type of cottage seems to belong in a nook, hollowed out of the lee side of a hill, with an old-fashioned garden around it and an orchard beside it. The house itself is rectangular in plan with low ceilings, a plain ridge roof and perhaps a small wing continuing one of the ends of the house. Of course it has modern bathrooms, a heating plant, and electric lights and service, all anachronisms to be sure, but so they are in a house in any period style. We must have them, style or no style. Radiators and lighting fixtures can be treated so that they will not cry out too stridently, but the modern bathroom remains uncompromisingly its sanitary self, which is probably just as well.

The foundation is a twelve-inch concrete wall and the cellar floor a five-inch slab of the same material. The frame is of studding covered with ship-lapped, diagonal

The Georgian house at the right is, like its designer, Jonas Pendlebury, of English origin. It illustrates a style of architecture described by Mr. Farrell in the accompanying text. The floor plans are given at the end of the article.
The houses shown on these two pages are used to illustrate the styles of architecture described in the accompanying article. They do not, however, correspond in size. The Spanish, or Mediterranean, house at the left contains 25,678 cubic feet and at fifty-five cents a cubic foot would cost $14,122 to build. The architect was Floyd Yewell. The plans for this house, which are shown below, are particularly efficient sheathing and plain shingles on the outside, wood lath and three coats of plaster on the inside. The shingles are painted and the plaster is tinted.

The roof is also sheathed and shingled but the shingles are left uncoated to weather to a fine silver if they are of white cedar or to a seal brown if they are of the red variety. All flashings, gutters, and leaders are of copper.

The windows are low because the ceilings are. Their frames and sash are of wood, double hung, each sash divided into six panes. The style calls for solid shutters with scroll sawed vents. The exterior trim is of the simplest. As there is no porch, the only trim called for is the casing around each window with a simple molding under the small projection of the eaves. The main entrance door is treated very simply without pilasters or cap, although it may be practical to depart from the style to the extent of providing a hood over the door, for protection.

Inside, the house has double floors, the finished flooring being of pine boards about six inches wide. Narrow strip flooring is out of keeping and boards wider than six inches, face nailed and plugged, while appropriate, are expensive.

The trim around the doors and windows, the base, picture

At the right is shown a drawing and two floor plans of a little French chateau built at Balgy, France, near Paris, last year for Mr. R. H. Weber. Paul Windom, of New York, was the architect. The house contains 31,000 cubic feet and cost $12,000 to build. The walls were of brick covered with stucco. In this country, if whitewashed brick were used for the walls, the cost would be about $18,000. The attic and cellar plans will be found at the end of the article.
Next to the Colonial in point of popularity in America is Gothic English architecture of the sort illustrated in the half-timber house at the right. While not employing the heavy, awkward construction of the originals, these houses still impress one with their rugged beauty. W. Stanwood Phillips designed this house and believes it would cost $17,000 to build. The first floor wall may be brick or cut stone.

mold, and stairs are of simply molded poplar, painted white or some pastel shade to suit the owner's taste. Doors are painted to match, not stained. The hardware is of wrought iron. Thumb-latches and strap hinges are correct.

The chimney and fireplaces are of common brick and have the appearance of massiveness, even though the construction may be hollow or cored.

A house of this type containing 28,000 cubic feet, which is the cubage determined upon, can be built even in the New York area, where costs are probably highest, for approximately $14,000. This would include the use of first class materials, finish, and workmanship, and the building in of two complete bathrooms, a two-pipe steam heating system, and plenty of electric outlets.

The next type to consider is the Late Colonial. It, too, has a twelve-inch concrete foundation and wood framing. It differs from the earlier style in the elaborateness and refinement of ornamentation and finish. The ceilings are 8'6" or 9' feet high instead of 7'6" or 8' as in the cottage. To keep the cubical contents constant (28,000 cubic feet) the net floor area must be reduced accordingly.

There is usually no wing in this (Continued on page 332)
The pair of photographs above illustrate a bathroom that was hopelessly out of date and unattractive in appearance and the same room completely modernized at a cost of approximately $520 in Chicago. This price included new fixtures as well as the labor of tearing out the old fixtures, setting new fixtures, repairing floor, and setting new tile in walls. The cost of the fixtures alone was $225.

Below is shown the twenty-five year old bathroom of Mr. and Mrs. Charles Donovan of Chicago, before and after modernizing. The size of the room was increased by removing a linen closet. The walls were tiled to a height of seven feet, the floor was tiled, modern fixtures replaced the older ones, and the total cost was $615.
There are so many styles in fixtures and delightful colors from which to make a selection that it is not at all difficult at this time to bring the most obsolete bathroom up to date at a moderate cost.

The large storage closet below was not needed as much in this Pacific coast home as was an additional bathroom. The photograph at the right shows how the plumbing fixtures were skilfully placed in the space available. A space-saving wall lavatory was used instead of a pedestal. The tub could not be included in the photograph.

When this 1895 model bathroom (above, left) was built tubs on legs and closets with high tanks were universally used. These are now obsolete and in this particular bathroom have been replaced by modern fixtures at a total cost of $335, of which $140 was for new fixtures and about $190 for piping, materials, plaster, lumber, electrical work, tiling, and the setting of the new fixtures.
The delicate restraint of the Adam designs in both architecture and furniture making is strongly classical in feeling and prevailed in England during the Age of Satinwood. Its distinctive features are the use of rectilinear lines, with low relief carving, much painted decoration, and applied ornamentation.

Robert Adam's designs for mantelpieces and doors are specially beautiful, having a grace and vigor of line and proportion characteristic of his work. One of his original mantelpieces is found occasionally to-day in an old house in England which is being torn down, and it brings a fabulous price in the open market.
The four Adam Brothers, often called by the Greek term, "the Adelphi" (the Brothers) were Scotch architects and designers, who settled in London, and had a great influence on English architecture and cabinet making, from 1760 to 1792. Their names were John, Robert, James, and William. Robert, the second brother, who was born in 1728, is best known, and James was his partner and co-worker in many projects. From 1750 to 1754 Robert studied his profession of architecture in Italy, and these years determined his special style and the type of classical design to which he devoted his life. He made a visit to Dalmatia, on the Adriatic coast, where, at Spoleto, he and his fellow draftsmen studied the ruins of the palace of Diocletian, and, in five weeks accumulated sufficient material to produce drawings of a restoration of the entire building. The results of this trip were published in 1764, in a splendid volume, illustrated with fine engravings by Bartolozzi, and dedicated to King George III.

The delicate classic style introduced by Robert Adam speedily superseded the heavier types which had been popular, and both buildings and the furniture which was to go into them were light, graceful, and full of delicate charm. In 1762 Robert was appointed sole architect to the King and Board of Works. In 1768 he and his three brothers rented a piece of ground facing the Thames in the heart of London, and built on it the famous Adelphi Building, with apartments and terraces looking out onto the river. This building was an unheard of novelty in those days, and was speedily rented to artists, men of letters, and notable people of all kinds.

Robert and James Adam were kept busy designing great houses for both town and country and, following the custom of those days, they also planned the furniture and accessories which were to go into the rooms, thus producing superb interiors with a perfection of detail which set the style for the rest of their century.

All the minor crafts followed the Adam style, and we still see evidences of it in the Wedgwood Queensware china and the chaste designs of Georgian silver.

Robert Adam set the fashion for light, graceful pieces of furniture, like small cabinets, shield-backed chairs, writing tables with tapering legs, and sideboards with beautiful convex and concave curves, all of which carried out the classic spirit of their architectural backgrounds. He used satintwood, tulipwood, amboyna, and the other fine exotic woods, ornamenting them with carvings in low relief of vases, foliated scrolls and swags of leaves, fans, ram’s heads, honeysuckle, paterae, festoons of ribbons, pendant husks, medallions, and all the other charming details of the best classic era. Painted furniture was a specialty of the Adam period, and Zucchi, Pergolesi, and Angelica Kauffman produced exquisite painted panels and decorations on the smooth surfaces of the rare woods. Wedgwood plaques were sometimes introduced into architectural motifs specially in mantelpieces with charming effect.

Very simple brasses were used on these fine examples of furniture, circular and oval shapes being favorites, with keyholes faced with escutcheons bordered with small gadroon or twisted thread designs. Cast brass back-plates with bail handles were in general use. The whole period of Adam influence with its light and lovely furniture is often referred to as the “Age of Satinwood.” Chippendale carried out many of the Adam designs for furniture, and some of these beautiful examples remain even to-day in the rooms for which they were made.

Robert Adam died in 1792, and was buried in Westminster Abbey.
Molds
of Fashion

At the left of the upper group is a vacuum container and at right the ever-reliable White Mountain freezer. The crankless one in the middle is excellent for making mousse, or for taking, all packed, on motor trips. The serving scoop is the latest model, with a convenient thumb spring. The spiral mold, the heart shaped mold, and the oblong mold decorated with fruit would each be helpful in serving an attractive dessert. All from Hammacher, Schlemmer & Company, Inc. In the lower group is an electric freezer, a conical and a round serving scoop, three amusing molds for children's parties, and five larger molds indifferent interesting shapes. The one in the lower right hand corner has individual sections around a circular space which adapts it to many delightful combinations of fruit or whipped cream with the ice cream. All from Louis & Conger
Make your backyard a Playground

by ELIZABETH MACRAE BOYKIN

Our backyard inventory includes:
One little redhead, eleven years old and eighty-four pounds big, with a bright crop of freckles and an impressive muscle. He will probably grow up to be a lawyer or a stock broker but just now he has acrobatic ambitions.

One little towhead, nine years old and sixty-six pounds pretty, who looks like an angel and romps like an imp. Blue eyes, fair flying pigtails, and bare brown legs.

One little curly head, only seven years old and fifty-three pounds little, but owning eager arms and legs ready to spring to the bidding of the "big kids" as long as they will condescend to allow him to play with them.

The problem of the watchful eye at the back window is to lure that perfectly darling-distracting-wonderful-destructive-ingenious-and-altogether-amazing trio into play that won't keep our hair standing on end most of the time.

First, we devoutly search for playground equipment that does not cause too frequent demands for vinegar and brown paper, or its modern version of liniment and soothing words. We make a long sweeping bow before the tested offerings of reliable manufacturers. And next we want apparatus to take the punishment that would otherwise be meted out to the fence, the shed, the grass sward, or the back steps. This means play pieces interesting enough to divert improvising urges from such delightful pastimes as excavating the house and lot, picking bricks out of the foundation, removing fence palings, and damming up the hydrant water supply. We choose between sand piles, wigwams, playhouses, and canvas swimming pools and let the children be monarchs over this property.

Then there is the question of climbing or not climbing. The instinct is strong and healthful, but juvenile freedom of the roofs and trees make nervous wrecks of conscientious parents. We turn gratefully to trapezes and backyard gymnasiaums and, if we have still another wish, it must concern the wheels that go round. Are there not playthings that will indulge youthful curiosity about mechanical inwards without having the washing machine or the lawn mower subjected to major operations? The answer is a merry-go-round, an automobile, a bicycle, or a locomotive, any of which will grant this wish to the satisfaction of wisher and wishee.

A playhouse serves as a center for all backyard activities, doubling as zoo or grocery store, motion picture studio or office building, street car, or a pirate's den.

Its chief specification should be sturdiness, for we want it to come out whole if somewhat battle scarred. A cedar house with pine floors and copper screens may be had with one or more rooms, and this makes a very...
substantial contribution to the neatness as well as to the pleasure of the premises. For such a playhouse is a good place to keep doll carriages, small trucks, tricycles, and all the paraphernalia cherished so urgently at play yet often cumbersome and underfoot at night or when not in use.

Miniature furniture for these little houses may be had in exact reproductions of period designs, delightful to play with through the years of make-believe, and heirlooms to treasure for the future.

Then there is another kind of playhouse, one with screened walls and awnings if we wish them. This we vote for if there is a little baby in the family, for it is a lovely place for the perambulator during afternoon naps. Here will be all the fresh air of the actual outdoors with protection from weather or animals, insects or stray balls. And when the nap is over we can lift his highness out of the "pram" and onto the floor to play without danger of his toddling away.

Until we discover a substitute for dirt, we may as well accept it as the most fascinating of artistic mediums for the very little as well as the not so little. With a sand box, however, we can at least control the aristocracy of the dirt and keep it and them comparatively clean. If the sand box we choose is one that can change itself at will into a pond for sailing ships, then it will be a gilded lily to our younger generation.

More than a sand pile, less than a playhouse is an engrossing covered playbox which may be used for sand or toys. One side of the cover can be hoisted up to play the rôle of stove for baking mud pies or of table for serving them; the other side can be a bench for seating proprietor or guests. When not in use for play, it can be closed up with toys or sand within, safe from animals or weather, and when winter comes it can be moved discreetly up to the attic or down to the playroom in the basement to divert active children who must necessarily be cooped indoors by the cold.

The little redhead will prove his inalienable right of neighborhood tyranny by virtue of an acrobatic apparatus we saw recently. And we approve it because it brings into play every muscle and rouses vigorous young bodies into full action. It is a combination of four things in one—horizontal bars, swing, trapeze, and Roman rings, plus a seesaw attachment if we wish it. It is made of thoroughly seasoned hardwood and all steel rods to anticipate considerable abuse by energetic owners.

If they've got to climb and stretch—and apparently they have and should—then we certainly want the assurance that they're climbing and stretching on tested equipment, backed by the reputation of a reliable manufacturer. A complete set of gymnasium apparatus like this will forestall the dangerous habit boys have of constructing their own swings of rotten rope attached to uncertain branches or whatever supports happen to present themselves. Home-made bars and trapezes are likewise tempting to the amateur carpenter, but the nervous strain of watching them in use isn't worth the small difference in cost between them and standard grades that are now available.

A novel and thrilling diversion for air-minded children (and what children are not these days?) is a breath taking airplane swing called the "Spirit of St. Louis." It is a model of Lindy's famous craft, in outward appearance at least, being constructed so that it swings straight forward. The frame is built of fine hardwood with rigid cross bracing and the swing is of heavy steel plated with aluminum; the wings, tail, rudder, and seat are of hardwood painted bright red.
Painting the Occasional Piece

by HELEN B. AMES

After cleaning the surface and using a filler, if the unfinished piece is of soft wood, apply two or three coats of flat paint. If a glazed effect is desired finish with a coat of enamel. (Arntcroft Furniture Co.)

To make the color contributions of a room entirely dependent on the hangings, upholstery, and rugs is to overlook one of the most effective means of adding a note of liveliness to the sobriety of stained woods. Introducing bright painted pieces among mellow mahogany, Early American maple, or deep-toned walnut, results in a closer blend of vivacity and dignity than can be accomplished by confining the color accents to the fabrics. Audacious little tea tables, saucy hanging shelves, peasant cupboards, decorated chests, colorful bedsteads, and vivid chairs bring out the subdued reds, browns, and yellows of the conservative pieces, and add an attractive decorative note.

If you buy unfinished furniture and paint it yourself, you have the fun of transforming the bare wood into something ornamental as well as the opportunity of choosing exactly the right colors. Shops that specialize in unfinished furniture are showing inexpensive pieces with straightforward lines that widen the range of basic colors and decorative treatments.

A Pennsylvania water bench, copied exactly from a farmhouse antique, can be bought for $60.00. A drop-leaf breakfast table with a drawer for silver is obtainable at a reliable shop for $12.75; a larger, oval drop-leaf comes at $30.00; and sturdy, country-style chairs with double woven cane seats are $3.00 each.

For the bedroom there are four-poster beds of simple outlines, reasonably priced at $14.75, $20.00, $29.50 and up. Dressers and chests vary from $20.00 to $30.00. These
place no limitations upon the furniture decorator and favorite tints or shades may then have right of way. Personal preferences, however, must always take into consideration the degree of natural light which is available, the use to which the room is put, and the general style and tone of the other furniture. North rooms or those that have insufficient windows will be cheerless even in the summertime if there is too much emphasis on the cold colors. They need gay yellow, warm rose, a touch of scarlet, or of sprightly green. The cool grays and the delicate blues belong on the south side of the house. Generally speaking, the deeper shades are best confined to the formal rooms or the private sanctums of the masculine members of the family, leaving the lighter tints for the feminine bedrooms. An ebony chest or cupboard with a bright decoration harmonizes well with heavy mahogany furniture; lacquer red fits in with almost any stained wood but is particularly effective with maple; antique green combines charmingly with walnut pieces of light construction.

A second color for the trim is usually added to painted furniture and often a third for accent. The most striking form of decoration for a little expenditure of effort is banding and striping, the fine lines being easily done with a pencil stripper which may be bought at a paint store or a shop that sells artists' supplies. Outlining the edges of table leaves, dresser drawers, the curve of a chair back, or the panels of a bed with a contrasting color, or with another tone of the basic one, gives delightful results. The second color may also be applied to the grooves of chair rounds and of table legs, and to drawer knobs, or it may be used as a background on the inside of open cupboards. Rust set off with black and silver, dull brown trimmed with... (Continued on page 338)
A Regency House

of excellent proportions

There is a revival of interest to-day in the Regency style of architecture which was popular in the early nineteenth century. It closely resembles a certain type of Georgian architecture, but the interior decoration is quite different, more colorful and distinctly unusual. This house was designed for us by Donald G. Tarpole, architect, H. D. Eberlein, associated. It contains 50,000 cubic feet and could probably be built, in the New York area, for $15,000. The walls are smooth-finished stucco, the porch and cornice are of wood painted white.

The architects suggest that the shutters, sash, and entrance door be painted blue-black, and that black slate be used for the roof.
We must congratulate E. T. Steffian, the New York architect who designed this house for us, on the skill with which he has worked up an unusual design and plan. The materials he suggests are stucco for the first floor and the end wall of the owner's room, and gray weathered shingles elsewhere on the second floor. The shingle roof should be stained slate gray, the trim and doors painted white, the shutters blue-green. He suggests flagstones for the porch connecting the garage and front door. Notice in the plans that the front door is easily reached from the kitchen, while the latter is isolated from the living room by the dining room and entry. The wall between the living room and garage is of fireproof construction. The cubage is 20,500 cubic feet, and the house could be built for about $10,000.
The architect of this attractive small house is Otho McCrackin of Hutchinson, Kansas. The Early Colonial style has been successfully modified to meet present day needs, although nothing of the charm of this style has been lost. Mr. McCrackin suggests using fieldstone walls for the first floor of the front of the house, as far back as the living room fireplace and the garage wall. The remaining walls he suggests be of wide siding or dipped shingles. The shingle roof should be stained and the outside trim painted white, except the shutters which should be a blue-green. The large rooms, particularly the large bedrooms, are a feature of this house. With the cubic contents estimated at 32,000 cubic feet, the house would cost about $17,600 to build.
A "Convertible" House
Costing about $11,000 to build

The French-Canadian houses in the "habitant" style which inspired the design of this cottage by Cedric Start have shutters like those shown at the front window above. These shutters are usually closed, and light and vision are secured through the unobstructed upper section. Like the front doors they are commonly painted terra cotta red. Mr. Start planned this house to meet changing needs. Notice in the floor plans that one may have a dining room and pantry or a bedroom and bath in the same space. Three elevations of the house are shown at the right. The cubage is estimated at 22,000 cubic feet, and the house could probably be built for $11,000 or less.
Tempting Drinks
for Torrid Days

by ELIZABETH H. RUSSELL

ONE of the most satisfactory moments in life is when we allow a cold, sparkling drink to glide down a parched and yearning throat. Thirst is a sensation, an aggravation, which makes itself known immediately and which, prolonged, becomes a torture that will unman us unless it is assuaged. We hope never to know this sensation in its worst form, but its milder demonstrations are quite bad enough to be important factors in our summer days, and we enjoy having them catered to by a diversity of methods.

In our households, providing an interesting and sufficient supply of materials from which summer drinks may be evolved is one of the major duties of the housewife during the heated season. She prides herself on having a great variety always on hand, with some "specialty of the house" for which she is rather famous. These will include, in well-run households, all the simple standbys from which delicious cold drinks have been evolved for generations, and gauging the supply by the tastes of the family the pantry will never be without the elements of their favorite summer beverages. In some houses this implies an extra supply of milk, eggs, and cream, in another iced tea or coffee will always be on hand, while a third wants unlimited lemonade, or refreshing fruit drinks. Still others include the charged water and ginger ale group, while ice cream combines well with many home-made drinks, and offers a substitute for soda fountain delights. There will be plenty of ice or ice cubes on hand as a matter of course.

So the weekly or daily order to the green grocer will include dozens of refreshing lemons and juicy oranges, pungent little limes, fragrant pineapples, and all the bottled juices, ginger ales, and waters which the family prefers.
The stock of fruit juices may be augmented by dozens of bottles put up at home if the housewife is clever at doing these things, and some of these is more delicious, or combines better with other juices and with ice than the old-fashioned raspberry shrub or "vinegar" which our mothers used always to have on hand in bottles sealed with red sealing wax. From this they made delicious drinks always ready to be served on the vine-covered front porches of the gay Nineties, and the flavor is always associated in our minds with moonlit evenings when someone strummed a banjo, and giggles came from the hammock in the shadows.

Other fruit juices and beverages which may be converted quickly into refreshing solutions of the call for "something cold to drink, and plenty of it" include grape, orange, lemon, lime, loganberry, strawberry, and a mixture of five of them, cider, both plain and sparkling, and the various rootbeers and soft drinks which manufacturers produce in great variety for our satisfaction.

Iced tea and coffee should be made strong and hot, from freshly boiling water, and poured over plenty of cracked ice, preferably in a silver or pewter pitcher, from which they may be transferred later if you prefer crystal. Do not use the cold left-overs from the table as they make only dull, insipid drinks. Cream and sugar, and a bit of whipped cream may be added to the coffee, and sugar or sugar syrup, lemon juice, and a slice of lemon or orange to the tea when they are served, and be sure the sugar is powdered and free of lumps.

Fascinating tall glasses, pitchers, iced tea sets, and delightful containers of all sorts and styles are in the shops, and may be bought for the proverbial song to impart loveliness and distinction to our refreshment tables. Glass sparkles, either in the purity of crystal, or in a wide range of delicate colors, and both are very becoming to frosty beverages, pewter is both strong and handsome when hard service is expected, and pottery jugs and cups in gay tones and quaint shapes give opportunity for originality on the part of the hostess. The children may have their own miniature sets for the lemonade, sodas, and cookies with which they delight to regale small friends at the end of a strenuous afternoon. Breakage is not a serious matter since the colorful glass containers may be replaced easily at the "dime" store. This popular mart also supplies plated silver, paper napkins, and small trays which are suitable for the same juvenile service, and will do admirably for informal beach or picnic service.

The more formal tray for porch or lawn may have bright linens, novelties in the form of "sippers," iced tea spoons, sandwich plates, ice buckets and tongs, and, of course, interesting things to eat and drink. The fresh, savory sandwich, the crisp cookie, and small, dainty cakes, plain or frosted, are always welcome, and to these may be added olives, salted nuts, candies in original forms, candied mint leaves, ginger, chocolate-covered crackers, caviare in the small shaped biscuits made to hold it, and any other appetizing specialties which the hostess takes pride in supplying. Let us see what we can offer for new recipes for cooling, refreshing, drinks which will cause the guests to come and come again until the pitchers are empty.

Iced Mocha Chocolate—Melt two squares Baker's chocolate (unsweetened) in one cupful of strong coffee infusion, stirring until well blended. Add a pinch of salt and three tablespoonfuls of sugar and boil four minutes, stirring constantly. Place over hot water and add three cupfuls of milk, stirring constantly. When hot beat with a rotary egg beater until light and frothy. Cool. Pour over cracked ice in tall glasses, and top each glass with one tablespoonful of sweetened, whipped cream. This makes enough mocha chocolate for six glasses. (Courtesy, Maxwell House Coffee)

Tea Punch—Dissolve two cupfuls of sugar in two cupfuls of freshly made, very strong tea, add two cupfuls of lemon juice, and strain. Chill at least two hours. Just before serving add two quarts of ginger ale, and one orange sliced very thin. (Courtesy, American Cookery Magazine)

Raspberry Syrup—Pick over and mash two quarts raspberries, sprinkle with one quart sugar, cover, and let stand over night. In the morning add three fourths cupful water, bring slowly to the boiling point, and cook twenty minutes. Force through a double thickness of cheesecloth, bring again to the boiling point, fill small glass jars to overflow, and adjust covers. To use as (Continued on page 333)
AN ADVENTURE IN MODERNIZING

New Beauty
at the old address

by MARY MILLER STONE

We moderns are departing from the leadership of others and blazing trails for homes suited to the needs of modern living, and yet, in many cases, we do not care to give up our old period furnishings of the past. We must blend the old harmoniously with the new, but how shall it be done? The family whose house we shall describe here has found one method of doing this without discarding the old pieces of furniture, or causing a family disturbance, and that is to begin with the introduction of modern textiles and wallpapers. But they are only a part of the rejuvenation of a home about which we shall tell you.

This story is of the adventures of a family at Columbus, Ohio, who dared to break away from the shackles of an old, colorless, uninteresting house, and go on an adventure of modernization. They were tired of being led, and the mother's love of beauty, and the father's business knowledge made an ideal combination in this new adventure. The house which they finally found with which to start the experiment was one of the average American type, priced at about $7,500 when remodeled. It had been vacant for two years, and was therefore in a dilapidated condition.

At first they could not see the possibilities in it, but these home adventurers were wise enough to know their limitations in modernizing a house, so sought the services of an understanding architect, interior decorator, and landscape architect—understanding as to the family's needs, and keeping within their financial scope, while carrying out their ideas so far as possible.

The first glance at the house showed a depressing sight—colorless wallpapers with sprawling designs and a fireplace of ugly proportions the most conspicuous thing in the living room. However, as the remodeling progressed, the architect did an ingenious piece of work in this room by placing a molding around the fire opening, about a foot from it, and plastering the inside space. This broke up the effect of a great dull mass of bricks, and gave a touch which adds much to the architectural appearance of the room.

The first views of the dining room, too, were depressing, as it had high, unattractive windows in the rear which made the room seem small. Sunshine is a necessity for this family as it is to any family, and the architect, again alert to family needs,
suggested that the windows be removed and French doors which opened onto the brick terrace in the rear be installed in their place, thus connecting the dining room with the garden.

The kitchen was completely rearranged, and new green and white cabinets installed on either side of the window, with their many cupboards convenient to sink and stove. The space above was plastered to the ceiling, with the addition of a decorative arch over the window and between the cupboards instead of the usual soffit. Cream walltex covered the walls, cheerful green and yellow linoleum provided a good looking, practical floor covering, and curtains of voile with a printed hollyhock design brought an all-year-round garden effect into the kitchen. An efficient and labor saving electric refrigerator and range were installed.

The architect had a small, decorative, open-shelf cupboard built between the dining room and the kitchen, whose charming curved outlines made an ideal background for dishes. When the architectural changes which brought about both comfort and cheerfulness were completed, the interior furnishings and decorations were started.

The fireplace end of the living room. The yellow pine woodwork was painted a greenish tan, wallpaper of modern design replaced the sprawling colorless pattern, curtains of voile in soft tones of tomato red, green, and cream were selected—all helping to produce a complete transformation.

Modern designs in wallpaper were chosen to harmonize with period furnishings. The living room and dining room were papered alike in a tint of light bluish green in a diamond design outlined with silver, and the rugs in both rooms were of soft, bluish green seamless carpeting.

The original woodwork was of yellow pine, the usual note in many a long suffering American small house, but an artist friend who happened along and offered to help the painter solved the problem by mixing just the right amount of green with an equally correct proportion of tan and produced a tone which harmonized with everything, and brought about a wonderful transformation in the rooms.

The curtaining of the living and dining rooms proved to be one of the highlights in the gay new adventure of modernizing since voile in soft tones of tomato red, green, and cream in horizontal design was chosen to enliven both rooms, and was made up without valances as everything was to be kept as simple as possible. Green dotted net was used at the front door and at the windows at the foot of the stairs and on the landing, thus separating the entrance from the rest of the living room, and preventing the monotonous effect of too many windows curtained alike.

A high, unattractive window in the dining room was concealed with a breadth of handsome floral glazed chintz which was larger and had more decorative value for that wall than a picture would have had, also it made a fine background and increased the importance of the rather small buffet. One of the attractive notes in the living room was a fireside chair, slip covered in a bright chintz which had masses of greens and reds with graceful plants whose white blossoms peeped through here and there. The living room furniture is not a matched set, but includes different pieces from different periods. The comfortable sofa with good lines is covered with red and tan linen frisette, which harmonizes with the curtains, and an overstuffed chair which had unattractive upholstery has been given a slip cover of a print with a small design in green, piped with a lighter shade of the same color.

A maple desk, chair, and bookcase repeat the maple tones of the dining room furniture and, with a radio, incidental tables to stand by the chairs, lamps conveniently placed for reading, bowls of ivy, and reproductions of fine prints on the walls, complete the furnishings of the living room.

The four bedrooms upstairs were (Continued on page 338)
While most women are content to let modern devices relieve them of the greater part of the drudgery of housekeeping and while some are fortunate enough to be able to employ others to do their housework, the majority of women to-day are too vitally interested in keeping their homes spick and span to ever relinquish housework entirely. For, after all, the things nearest to a woman’s heart are her family and her home. And next to these two we suppose a woman thinks of her health and appearance, for we have yet to find the woman who does not take pride in her personal appearance. No woman wants to look older than she is and no woman cares to appear more toil worn than necessary. Well, thanks to modern inventions, she need not. Science, not content with producing labor-saving machines for woman’s benefit, has perfected countless preparations that go far towards keeping a woman’s appearance fresh and attractive at all times. There are skin foods, water softeners, shampooing soaps, and all manner of things reasonable in price and quick in application.

Take the matter of removing from the housewife’s hands the telltale traces of housework that is part of every woman’s daily routine. There’s a whole cult of the hand to-day: hand lotions for smoothing and whitening, and creams of which one at least smells so divinely that the lady whose skin shows her age by beginning to get crêpey never forgets to put it on with or without the prescribed gloves. Then there’s a new cream cuticle remover said to be much better and easier to use than the liquid kind, and a slim new pencil for whitening under the tips that is apt to prove so useful we’ll buy it in pairs, one for the dressing table and one for the purse. Another expert comes through with a “nail bath” that sits upside down on one finger, cleaning nail and cuticle, softening the latter, whitening the nail tip, getting rid of cigarette stains, doing away with brittleness and preventing hangnails—all this while we’re operating on a second nail with the orange stick, or dressing it up for a party. As to nail polishes, their name is legion, their type practically always...
liquid, their shades—while still brighter than grandmother might consider ladylike—quite a bit less vivid, thank goodness, than those we saw last year.

Building facial beauty is much like building almost anything else to-day. First you call in the wrecking crew. Then you get the foundation in. After that, the superstructure rises up like magic.

Nobody but a city-dweller knows how badly the wrecking crew can be needed—dirt that would have made an ancient Greek turn away from us in horror has to be taken off in layers before we can do anything else. As to how to go about this process, people continue to be divided into two camps: the soap and water faction and the creamers. Almost all men belong to the first group, together with a good many women, and they privately consider the second contingent not quite clean. The second retorts by thinking the first a bit unsophisticated. Practically no converts are ever made from one sect to the other. If you belong to the creamers, or those who patronize the even newer liquid cleansers based on the same idea, be sure you never get stingy. Use enough cream, enough cotton or tissue to turn the trick properly. Take off the worst with one application and follow it by another, with a fresh allowance of cotton or tissue. A great many ladies have drawers stuffed with these paper ephemera. These sheets of blue paper, lie piled against the wall, where it looks like the tiny, giddy débutante sister of a third enterprising group of gentlemen have dressed the gray metal roll arrangement and given it a hook-up for the metal wall. It's a third type of clean-up aid in green, orchid, and pink to meet the rage for color in the bathroom, fitted it on a chaste white stand, and then inserted it around the toilet. It's a third type of paper-towel dispenser—of our old friend the paper-towel dispenser.

Then establish your twice-a-day routine and stick to it as long as you can. Some of the skin-woes laid at the door of the cleansing agent are probably due to the fact that the soap and water faction and the creamers. Almost all women use two preparations as a minimum—a tonic lotion and a cream. In both these classes the variety is endless, particularly so in the latter, for there are thirty-one distinct types of cream recognized by the chemist, sold under sixteen hundred and sixty-six different trade names advertised to the American public! Naturally, no woman can ever try them all. If she finds a combination that agrees with her, she does well in most instances if she keeps on using it till skin conditions change. She might try now for a tablet of health, worry, or a summer holiday when she lets down in her beauty régime. Then she may have to look about for new aids. As most of the creams and lotions are sold in small sizes as well as in large, a bit of experimenting doesn't cost much and is decidedly advisable.

All good specialists offer lotions that are mildly or strongly astrin gent, with or without bleaching properties, perfumed in this or that fashion as an additional incentive to make us remember to use them. All specialists not only provide good nourishing creams for dry and oily skins, but go in for at least some of the numerous "specials," designed to fit particular problems that flesh mightn't be heir to if civilization didn't complicate matters. There are bleach creams and pore creams, antiwrinkle creams, creams to prevent sunburn but permit tanning, creams to deal with persistently shiny nose, astrin gent massage creams, creams to smooth but not flatten the face—and so, almost ad infinitum. One of New York's beauty specialists has brought out recently an eight-hour cream for cold sores and other open-top disfigurements, an exceptionally effective aid to beauty in distress. She has reinforced her work along this line with a trinity of preparations for removing spots of the type that stay in rather than break out—a cream, a lotion, and another liquid to apply when the trouble also reaches the scalp.

Practically all the creams in this second or foundation division belong to the night brigade; in the morning we have to cleanse, tone, and put on a cream of quite another type as a basis for make-up. For years and years a friend of mine had used one such cream made in France. The pasteurized cream that may be used first to take the dirt off and later to nourish the skin by night, she boldly maintains that she has seldom if ever come upon an instance in which washing with a pure bland soap has injured the complexion. To back up her case practically, she makes six different kinds, together with a couple of washing pastes and a preparation in granular form that is unusually good for oily skins or those that are in a bad condition due to lack of care.

Leaving the vexed subject of whether the road to facial cleanliness leads via the washbowl or not, our next step consists in laying the foundation of a skin good in texture and color, a face without lines or flabbiness. Almost every woman uses two preparations as a minimum—a tonic lotion and a cream. In both these classes the variety is endless, particularly so in the latter, for there are thirty-one distinct types of cream recognized by the chemist, sold under sixteen hundred and sixty-six different trade names advertised to the American public! Naturally, no woman can ever try them all. If she finds a combination that agrees with her, she does well in most instances if she keeps on using it till skin conditions change. She might try now for a tablet of health, worry, or a summer holiday when she lets down in her beauty régime. Then she may have to look about for new aids. As most of the creams and lotions are sold in small sizes as well as in large, a bit of experimenting doesn't cost much and is decidedly advisable.

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In the lower right-hand corner of the tool chest is shown a light aluminum “zig-zag” rule. Above it is a serviceable block plane and above that is a convenient vise. The screwdriver, in the foreground, has a leather-capped hickory handle. Above it is a device to hold chisel blades and plane irons for sharpening, and the knobby tool just beyond is a handy scraper. At the right of the scraper is a caliper rule, while at the left is a countersink fitted with a depth gauge. The countersink rests on one of the new style mitre boxes which has few and easy adjustments. Just above the scraper and vise, in the cover of the tool chest above, is a household pry bar, much like a “jimmy” but more gentlemanly. All the tools described above are from The Stanley Rule & Level Plant. The remaining tools, from the Goodell-Pratt Co., are the pocket nail-puller, at the right, to be used with a hammer; the carpenters’ combination square just above; the turret head glass cutter at the left; and the adjustable hacksaw frame, with an all-metal pistol grip which is below. Inside the hacksaw frame has been placed a very efficient automatic drill for all-round household use.
Gather the blooms of your garden as they come for vari-colored combinations to be used as a centerpiece for the dining table or as a side table decoration.

The gay assortment of sprigs of all sorts of colorful blossoms known as the mixed bouquet has again come into its own. While the delicate beauty of one, two, or more lovely blossoms of the same sort in a graceful vase will always be alluring, the vari-colored combination has a peculiar charm. We see it stressed in florists' windows, Carbone in Boston and Max Schling in New York, especially noted for success in daring and exquisite color schemes; it decorates lunch and dinner tables and occupies the place of honor in the home living room; and its varied and lovely inclusions beguile the tedious hours of the hospital-bound invalid. Last fall, a beautiful big bunch of every different flower I could collect to send a blossoming-out "bud" obtained signal (and deserved!) honor.

First, let me give my favorite recipe for the mixed bouquet at any season! Go into the garden, stop at the first bed, and break long sprigs of the first flowers you see for a nucleus; then walk leisurely about and try to get a sprig of every kind in bloom. This will give you a congenial color mixture and, although you might not think it, a bouquet assembled in this way is always lovely! And the more leisurely your quest and the more flowers included, the lovelier, as a rule, your bunch will be. I do not consciously try to arrange; a successful bunch "just grows." Flowers blossoming at the same time always seem to harmonize.

The bowl of mixed flowers pictured includes some of our favorites for this sort of combination and, although almost any varieties prove congenial in a sufficiently large mixture, this special arrangement includes many colors and sorts particularly well adapted as vase mates.

I'll name some of the flowers pictured, as a guide to the successful production of the midsummer (Continued on page 338)
What is a good Delphinium?

by LEON H. LEONIAN
Secretary of the American Delphinium Society

The amazing popularity of the newer Hybrid Delphiniums is well deserved. Showy, without being coarse; brilliant, yet not loud; massive, and at the same time graceful, Delphiniums are the regal members of the perennial border, with their marvelous hues of blues, purples, mauves, rosy lavenders, vivid sparkling blends, and opalescent tones.

Color is the most important quality and the least appreciated in proper evaluation. It is common impression that Delphinium is supreme in the blue border; yet, with the advent of the larger-flowered Doubles, and with the Singles in disfavor, pure blue Delphiniums have become quite rare. Purple and lavender are the more predominating colors, with the pure blue crowded out or else confined to the outer row of the sepals. Combinations of blue and purple create a dazzling splendor, and it is curious that in the Doubles I have never seen the outer row of sepals to be purple and the inner ones pure blue.

The proper evaluation of the different shades and their diverse combinations is a matter of personal preference. The lighter shades are chosen by some, while others like darker colors. Add to this the contrasting hues of the petals, more commonly known as "eyes" or "bees," and the situation becomes still more complex. Some must have the sepals and the petals in harmonious, well-matched shades; others look for strong contrasts. Dark eyes in soft sky blue are at once outstanding and attractive; large, white eyes on deep, burning sapphire shades yield a barbaric splendor. But give such a dark flower an equally dark eye, and much of the "character" of the flower is lost. Those who dislike strong contrasts have many complimentary colors from which to select—a soft yellow eye on lavender, for instance, or an intensely golden eye on royal purple are less startlingly contrasty. But if this much contrast is disturbing, they can select flowers where both sepals and petals are of the same shade. A border which consists of only light, or of only dark colored Delphiniums is attractive enough, to be certain, but a border of mixed color intensities is infinitely more appealing.

The self colors are not as prevalent as blends and combinations. But, I suppose, if brilliant color blends and combinations were as rare as self colors, we would probably consider them the more pleasing.

Until recently the white strains or types were of inferior quality, being muddy in color, of poor substance, usually single and small flowered. But there is now available a new race having the same vigor, size of spike and flower as the better blues, is double, pure white, sometimes slightly ivory tinted, and possessing white, gold, fawn, brown, black, or mouse-colored eye.

There are no true pinks or yellows as yet. Some lavender shades approach the pink but do not quite make it. The so-called yellows are, in reality, cream colored, with plant and flowers weak and small. The Delphinium zalii, a native of Persia, forms fine spikes and pale sulphur yellow flowers, but is extremely difficult to handle. Another yellow species, a native of California, possesses an open inflorescence, is dwarf, and has unattractive, small flowers. Perhaps the most desirable of the exotic colors is that of Delphinium cardinale, also native to California, with comparatively large cardinal red flowers. Many of the unusually brilliant tones of one strain of hybrids are due to interbreeding with this species.

Size is valued. The larger flowers are more attractive and outstanding. If they retain the refinement, the finish, and the brilliancy of the smaller flowered varieties, they should be judged as the more valuable. The average size of the flowers of the modern strains is about two and a half inches across; three-inch flowers are less common, while
three-and-a-half and four-inch flowers are claimed by some yet seen by few. But the size of individual flowers is largely controlled by the environment. Under the influence of some altitudes, climatic and soil conditions the ordinary sized flowers become very large. The apparent size of the individual flower is influenced by shape. Flat and circular flowers seem larger than cup-shaped ones, and the latter seem larger than star-shaped flowers. But in any case if large flowers happen to be associated with ungainly or weak spikes, they lose most of their value.

There are three main flower types: Single, Semi-double, and Double. The first are not very popular, yet the purest blues are to be found only in the Singles. If possessing wide sepals, arrayed into cup-shaped or circular flowers, the Singles can really be quite attractive; but if the sepals happen to be narrow and pointed, they lose much.

The Semi-double types constitute the largest bulk of the new hybrids. Usually they consist of one row of outer sepals and another row of inners. Unless the inners are at least six in number, such flowers should not be scored highly as they appear shabby and unfinished.

The perfectly Double types have several rows of inners, sometimes being so double as to resemble Pompon Chrysanthemums. Such extremely double flowers are usually small, pale, or muddy colored.

THe type of spike is governed by the length and arrangement of individual stems supporting the flowers. If very short, the effect is whip-like, with only one perfect row of flowers seen from any given plane of vision. If the stems are long, arranged circularly and standing at a wide angle, broadly conical spikes will result. Some spikes may be broad all over so that even the apical regions show at least three rows of flowers from any given plane of vision. Such an effect is rather bumpy and lacks the refinement of the intermediate types where the base of the spike is broad but will gradually taper into long sharp spires of charming symmetry.

If the flowers be rather widely spaced on the spike, too many vacant areas appear; if crowded, the individual flowers become pressed against each other, misshapen, and less attractive. An ideal spike is one where each flower, after being fully expanded, will fit into its own space without leaving vacant areas and without crowding its neighbors.

Vigor of plant is of paramount importance, for unless it is vigorous and stocky, it will be unable to support the load of its flowers especially during winds (Continued on page 345).
Buried Trees DIE

by MARTIN L. DAVEY

Times without number, homesites are selected because of fine old trees growing on them—trees that it took Nature perhaps a century or more to produce. And in countless cases these trees weaken and die soon after the homes are completed. Why?

Only too often their death is due directly to an almost inexcusable failure to realize that trees are living, breathing things subject to definite laws of life.

On almost every lot where a home is to be built, some grading and filling is necessary—low places to be filled and high places to be lowered. Both operations often endanger the lives of the trees. If roots are exposed when the ground elevation is lowered, they are likely to be killed by the sun or frost. The loss of any part of the root system affects the tree’s vitality; if a large number of the roots are killed, the tree undoubtedly will die.

Comparatively few home builders seem to realize that far more serious harm is likely to result when a fill is made above the roots in order to raise the elevation. A heavy fill of several feet almost invariably will kill the tree unless proper methods are employed. Sometimes only a few inches of non-porous earth will mean death; and often this is the kind of earth used—the heavy, clayish subsoil dug up while making the excavation for the cellar.

Why do so few trees survive treatment of this kind? The answer is that trees breathe—their need for air is just as real as our own. It is necessary that air come in direct contact with all the living tissues, regardless of whether those tissues are in the leaves, twigs, branches and trunk, or in the roots. The tissues in the growing root tips are particularly active and, consequently, it is essential that they have plenty of air. When the air supply is shut off by a blanket of earth, the roots are smothered. They die, and the tree dies likewise.

It might be thought that because roots grow in the earth no damage would be done by putting more earth on top of them. The truth is, of course, that the roots grow close enough to the surface to obtain normally all the air they need. In the tree’s natural habitat, the forest, the ground around the roots is usually made up of decayed vegetation and the covering is so light and porous that an abundant quantity of air penetrates to the roots beneath.

Open wells around the base of buried trees are often seen. They are made because of a somewhat common idea that they will provide (Continued on page 339)
Is one of these men YOU?

John Scott put off re-roofing last year when he knew the house needed it. He regretted it before the winter was over—but he hasn't done anything about it yet.

Philip Jones isn't sure whether his house needs a new roof or not. It hasn't leaked yet, but it's pretty old—and another winter is on the way.

Robert Bates knows that the appearance of his house would be vastly improved by a new roof—but he can't make up his mind what kind of a roof he wants.

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What price style in architecture

Continued from page 305

type of house, all the rooms being in the main body, which is rectangular in plan. The outside is covered with clapboards instead of shingles, but the roof is shingled. The exterior trim is more ornate than in the Early Colonial cottage.

The inside trim is more heavily molded and the doors are divided into smaller panels than in the Early Colonial style. All are painted white.

The finished floor is in narrow oak strips, two and one quarter inches wide.

The lighting fixtures and finishing hardware are of polished brass or of brass and glass. The walls are painted or papered. Obviously this is a more expensive type than the first and the over-all contract price would be about $15,400.

Next comes the stone farmhouse. The walls of the original models are about sixteen to eighteen inches thick from the footings to the roof, of solid stone, pieces being roughly squared but of irregular size. Inside, the walls are furred, lathed, and plastered. The interior of the house in all other respects closely resembles the Early Colonial model.

On account of the high cost of stone masonry to-day, this type of house falls into a higher price class than the more elaborate Late Colonial. The cost, as described, would be approximately $15,000 in the New York area.

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What price style in architecture

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Every month Diana North selects new articles which are considered worthy of mention. Since this is solely a reader service we hope that you will use this department as a practical shopping guide, ordering any articles direct from the dealers.

1. Here are clever new flower holders that permit endless combinations for arranging different kinds and sizes of flowers. Place the slender stems in one end; other side for thicker ones. Another feature is that each block can be placed on top of another for a build-up effect since tubes telescope and hold firm. In almond green painted tin. Small size 60¢, medium size 85¢, large size $1.10, all Sowell Single tubes also available to fit anywhere on blocks; six in box 60¢ prepaid. Lewis & Conger, 78 West 45th St., N. Y. C.

2. This electric moth killer does its work thoroughly, destroying all moths and larvae. Attached to an electric outlet in a closed room or closet it should be allowed to burn for 24 hours. Repeat every two or three weeks. Price $6.85 prepaid. Chemical cake also should be replaced each time, $50¢ prepaid. Lewis & Conger, 78 West 45th Street, N. Y. C.

3. With the Becky Porter Vegetable Dicer one can cut vegetables in a quick and efficient manner. It is equipped with stainless steel knives which can be had in three different sizes for cutting ½ inch, ⅜ inch, or ¼ inch strips or dice. The Dicer comes complete with one set of knives and costs $5.00. Each additional set of knives costs $4.00, all prepaid east of the Mississippi. Add 50¢ for postage west of the Mississippi for dicer and one set of knives and 15¢ for each extra set. K. D. Mfg. Co., Lancaster, Pa.

4. A tomato is perfectly and evenly sliced with a single swoop downward of the handle of this new device and nothing is wasted, as the juice drips through to the plate underneath and can be saved for delicious cocktails. The removable chromium-plated slicer is equipped with stainless steel blades and fits on an attractive china plate, which is obtainable in either tomato red or bright green. Price $8.75 prepaid within 100 miles of N. Y. To painters beyond charges collect. Hammacher, Schlemmer & Co., 145 East 57th Street, New York City.

5. The Hanson Cook-O-Meter weighs food up to 10 lbs. and also gives weight in terms of cups of butter, flour, sugar, etc. Dials show boiling periods for meat, and other valuable information. It comes in ivory trimmed in green, blue or red, or in all green. The price of this scale is $2.94 express collect from R. H. Macy & Co., Broadway and 34th Street, New York City.

6. Ugly scratches on furniture can be eliminated quickly with the Mar Stick. One end contains an oil which flows through small brush on tip; other end contains a stain for use when scratch has broken through finished surface. 5¢ prepaid from Adams & Elfringe, 1913 Seward Street, Chicago, Ill.

7. The Gar-Bag is easily attached to any sink in a few minutes. It holds a wax-lined paper sack permitting clean removal of new devices and nothing is wasted, as the juice drips through to the plate underneath and can be saved for delicious cocktails. The removable chromium-plated slicer is equipped with stainless steel blades and fits on an attractive china plate, which is obtainable in either tomato red or bright green. Price $8.75 prepaid within 100 miles of N. Y. To painters beyond charges collect. Hammacher, Schlemmer & Co., 145 East 57th Street, New York City.

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cost you nothing.)

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Willett Family,” entirely at our risk. Read it and see whether
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If so, just keep the book and pay our bill when you receive it.
Then you will get the new Crime Club selection each month—
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HELPFUL BOOKLETS

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

Read the advertisements in this issue carefully and request literature direct from the advertiser wherever possible. Then, if you do not find what you are looking for, scan this list. The American Home acts as a clearing house between reader and manufacturer. You can order the booklets you wish on the coupon at the bottom of page 337. We will forward your name and address to the manufacturers involved, and they will send their literature direct to you.

—HEARTESTONE EDITOR.

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The C. Nadra Works, Inc.
AMBASSADOR WALLS & CEILINGS 351
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MILLIONS OF enemies

Every housewife knows the importance of keeping toilet bowls clean. If germs are allowed to remain there, the health of the entire household is menaced. But many women spend unnecessary hours in scrubbing toilet bowls. Let Sani-Flush, an antiseptic, cleaning powder, do this unpleasant job for you! Just sprinkle little in the toilet bowl, follow directions on the can, flush, and watch the bowl become snow-white. All odors are eliminated, all germs instantly killed. Even the hidden trap, which no brush can reach, is cleansed and purified by Sani-Flush.

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

Sani-Flush
Cleans Closet Bowls
Without Scouring

LAWN ORNAMENT

Cast iron rabbit, emasculated white and pink. An exquisite dovecage as well as a pert nursery subject. 9" high. $3.49 each, postpaid; $4.40 pair.

Grampa Murphy
37 Harlem St.
On How To

Distinguish Between "Must" and "Can"

In Home Heating

THERE are many fine contrivances for home heating that are desirable. Equipment to save worry and work. Things you ought to have, if and when you can.

There are other things you must have for cozy, fuel-thrifty heat. Things without which none of them both in heat and fuel saving. All of them are facts coming directly from the experience of real people. Their facts and their conclusions.

The booklet containing all such is called "Some Hither and Yons." You are welcome to a copy.

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Grosicks Mills 75

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S. E. Mitch Co. 50
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Floorda Corporation 657
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S. C. Johnson & Son (wax & machine) 34
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Remington Cord Co. 87
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Remington Cord Co. 557
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Northern Hard Maple Mfrs. Ass'n 839
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Mower Wood Fencing 102
Cabinet Fences of Garden Co., Inc. 495
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HOMES
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HABITAT FENCING
Habitat Fencing Co. Inc. 568

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THE NEW LACROMATE BOOK OF FENCES &
Wood Craftsmen 700
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North American Industries 750
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AUTOMATIC PLANT LABELS
Masonproof Products Co 578
STANLEY GARDEN POOLS—MAKE GARDENING
EAST
STANLEY GARDEN POOLS—MAKE GARDENING
EAST

LAWN MAINTENANCE

EAST

MISCELLANEOUS

TWO GOOD CLEANERS

DECORLUTION PRODUCTS CO. 671
SIMPLE RULES FOR MOUTH HYGIENE

For my information only, will you 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

A Word to Men About Women

To bring ever increasing happiness to the home is the aim of every right-minded man. It is easier today than ever before to transform household drudgery into cheerful tasks...to make life's burdens ever lighter. All women will tell you that running water at the kitchen sink, in bathroom and laundry is counted among the greatest necessities by womankind.

If you ask her, your wife, mother or daughter will verify this truth. And never before has it cost less to have a genuine Delco Water System. Delco deep well models have been radically reduced in price. Shallow well models are priced as low as $75, f. o. b. factory.

You can install a model to fill all your needs and pay for it on exceptionally liberal terms. Every Delco Water System is sturdy and rugged...with special features that mean care-free service. Write or mail the coupon for more details.
Painting the occasional piece

Continued from page 314

red and gold, deep blue enhanced with a rich purple and touches of jonquil yellow, are distinctive three-color combinations in the right background.

But this is taking a hurdle over the practical points that are just as vital to the good appearance of your furniture as the more interesting suggestions about color and design. The advantages of the various paint products, the brushing methods suited to each one, the number of coats, the requirements of surface preparation, all are matters to be considered before you get down to work.

You can use flat paint, enamel or lacquer, but whatever you choose, be sure that you get a reputable product, as the inferior grades will not give good service. Flat paint is brushed into the wood and two or three coats will build up a satisfactory finish. If you prefer the glossier effect of enamel, you must flow it on with a brush, and go over them lightly with fine sandpaper.

The chief advantage of lacquer lies in the quickness with which it dries. Modern brushing lacquers are thoroughly dry in about half an hour after application, so if you want to finish a piece of furniture in a hurry, lacquer will do the trick.

The four-hour enamels are also great time-savers. For lacquer it is advisable to pick a flowing brush, covered in ox hair or badger hair, as well as in a combination of Chinese bristle and pink hair. Pour a little lacquer into a saucer, instead of working directly from the can. After flowing on the product, allow it to smooth itself out without further brushing. If it fails to do so, go over it with a brush dipped in a little lacquer thinner. Better yet, try out the lacquer on the underside of the article, or on some place that won't show, and then add the thinner to the contents of the can if this first application proves too thick. Two coats of the lacquer will be sufficient, allowing two or three hours between coats. It can be used successfully on any wood except mahogany which is likely to “bleed” through a coat of lacquer.

Having mastered the brushing methods for the type of paint you have chosen, you are now ready to don old clothes and tackle the job. Don’t take any of the pieces out on the porch or in the backyard, as dust will settle on the surface and prevent a smooth finish; then, too, you may get damp and have a serious effect on the paint coat. Spread plenty of newspapers on the floor to catch unavoidable spatters, wipe off the pieces thoroughly with a clean cloth and go over them lightly with fine sandpaper.

New beauty at the old address

Continued from page 322

Carpenter labor, installing French doors in dining room, installing windows in kitchen, changing windows in breakfast room. Cleaning floor and ceiling of the medical cabinet, changing window glass in living and dining rooms, repairing locks on doors and windows, changing mantel.

62.00
8.00
35.00
29.75
72.00
200.00
$1303.61

Painting the occasional piece

Continued from page 314

Each made most attractive, largely by the use of fresh, gay colors. The guest room walls were covered with wallpaper with a cream background and large dots of robin’s egg blue, while a yellow print with tiny allover design was made into curtains with edges cut in long shallow scallops piped in robin’s egg blue. The daughter’s room was papered with a charming, rather modern wallpaper in a soft, pinkish violet tone, which made an interesting color relationship with the pale pink dotted Swiss curtains with wide ruffles.

In the owner’s room inexpensive pink and white percale bed spreads piped with blue were as attractive as more expensive material would have been, and gave their own gay note to the ensemble. Colorful hooked and braided rugs were used in all the bedrooms.

The bathroom seemed hopeless when work began, but it finally emerged as one of the most cheerful and fresh looking rooms in the house. This was brought about by covering the floor with a tile of one-inch squares in cream and green, by painting the upper part of the walls in soft cream color, and covering the patched cement of the lower part with green and cream mottled together to carry out the color scheme. This rejuvenation was accentuated by yellow glazed chintz curtains piped with gay blocked borders of glazed chintz in scarlet and yellow.

The landscape architect made the most of every inch of the ground surrounding the house and, by degrees, order came out of chaos.

Herewith is a list of the actual expenses incurred in modernizing the house item by item.

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Removing old wallpaper</td>
<td>25.00</td>
</tr>
<tr>
<td>Mill work and lumber</td>
<td>118.00</td>
</tr>
<tr>
<td>Electric wiring</td>
<td>45.00</td>
</tr>
<tr>
<td>Electric light bulbs</td>
<td>8.95</td>
</tr>
<tr>
<td>New window shades and curtains in living</td>
<td>12.00</td>
</tr>
<tr>
<td>Window glass in living room</td>
<td>5.00</td>
</tr>
<tr>
<td>Toilet</td>
<td>62.50</td>
</tr>
<tr>
<td>Remodeling expenses</td>
<td>1303.61</td>
</tr>
<tr>
<td>Nursery curtain and medicine cabinet</td>
<td>125.35</td>
</tr>
<tr>
<td>Outside painting and finishing</td>
<td>100.00</td>
</tr>
<tr>
<td>Inside painting labor</td>
<td>62.50</td>
</tr>
<tr>
<td>Paint material</td>
<td>20.00</td>
</tr>
<tr>
<td>Total</td>
<td>$2901.88</td>
</tr>
</tbody>
</table>

The mixed bouquet

Continued from page 326

mixture: Single Asters—these are among the loveliest picking flowers in the garden, all enchanting shades of blues, pink, lavenders, and white; two or three Zinnias, surely—grow the pastel shades and select those best blending; Cosmos—white usually most valuable; a spig or two of Anilum is always effective. Pure blue is a must-have, and Delphinium serves during a long season as, after its high tide is over, the second bloom by cutting off the leading main stalks (never cut to the ground as sometimes advised) appears indifferently, and the delicate laterals even lovelier for picking than the more luxuriant first blossom stalks.

Annual (orchid-flowered) Larkspur is always effective. Pure blue—as shown in the annual Gypsophila accomplishes the same effect.

BELIEVE IT OR NOT—By Ripley

JOANNE CUMMINGS

Flexible Trays for Your Refrigerator

Preparing iced drinks is no longer a troublesome, messy task. Because these new freezing trays are made of flexible rubber, it takes only a few seconds to remove one of them from a refrigerator and serve all the cubes—direct from tray to glass instantly. No splashing of water to ruin clothes. No melting of cubes into the sink—a refrigerator and serve all the cubes seconds to remove one of them from flexible rubber, it takes only a few a troublesome, messy task. Because 338

Painting the occasional piece

Continued from page 314

BELOW IT OR NOT—By Ripley

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Painting the occasional piece

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Painting the occasional piece

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and, every chance she got, she went out and into the drug and department stores along the route and at destinations—but all to purpose. Thus, this force her to experiment with other preparations, and, to her delight, she found a semi-liquid one in rachel coloring—an American product—which she liked much better than the cream she had taken before. In various lessons, you see—don't get in a rut on your face or in your mind. The obviousness of the doctrine is stamped, probably because they think it takes less time and skill to apply.

Powder shades are lighter this year than they were last, since sun-tanning has topped its zenith and gone down the side. The same wide variety that obtains in rouge shades is to be found here, and it is agreed that one can work out a whole scheme for using different tones with different clothes. Lipsticks, of course, must be tied into the trinity that begins with color on the cheek.

When it comes to body-beauty, we all know that this has to be a process of elimination, exercise, diet, and general cleanliness, but the frills are more numerous than ever before.

Bath salts include not only the crystal and the compressed cube kind but the liquids and the new bottled powdered variety, so seductively perfumed that nobody can resist it. One specialist brings out soaps that are as charming as lipstick, and some older women one sees in the old poster fashion; rouge, to-day, aims at large have always preferred the solid or liquid form, but cream or liquid rouges are better used, and in the right quantity. If too much is used, the tree may be seriously harmed; if the quantity is insufficient, the tree will not be able to recover from the effects of its experience.

Whensoever possible, a generous quantity of well-rotted manure, humus, or leaf compost should be applied with the prepared fertilizer or plant food.

A period of convalescence should be allowed the tree, after the soil has been emptied, and, before an attempt is made to replace the fill. The hole should be kept open for at least a year—longer if necessary to restore the tree's strength. When a complete diagnosis shows that it has regained its vitality, the refill can be made.

During the period the hole is kept open, steps must be taken to prevent water from collecting in it and so drowning the roots. Drainage may be provided by laying a four-inch unglazed drain pipe from the lowest point in the hole to a suitable outlet. To make the refill and restore the desired grade, the procedure is the same as that which should have been followed when the fill was made originally.

Few city trees are fortunate enough to have the ideal environment of the forest. Usually the ground above the roots is covered with a heavy turf through which little air passes. Often the ground becomes so compact, and so little air penetrates, that the roots are seriously affected. It becomes necessary to loosen and aerate the earth or the tree will perish.

When it is realized that roots are often smothered merely by the compacting of the earth in which they grew, it is easy to understand what is likely to happen when more earth is piled on top of them.

**Business of keeping beautiful**

Continued from page 524

AUGUST, 1931 339

**Buried trees die**

Continued from page 529

This mark of distinction is stamped on each piece.

Simplistic Suggests Rest

The simple lines of these genuine Colonial Reproductions create an atmosphere of rest and charm. Every piece, including the little trinkets, is carefully selected from a New England original. Your dealer will show you Conant-Ball furniture with the C-B mark stamped on each piece.
IT IS pleasant in August, the hottest month of the year, to think about long, cooling drinks and ices cooling in tall tumblers. Consequently we have selected for your attention some new and useful objects pertaining to this pleasant relaxation. First of all, let us present the "Cheerio," so-called because it measures a drink, opens a bottle, pulls a cork, and mixes a "Cheerio!" A gay little gadget to carry with you, ever ready for use, or would make a grand present for your week-end hostess. It measures 11½ inches in length and comes in plated silver. Price $3.25 prepaid from WELSHY GIFT SHOP LTD., 37 East 56th St., N. Y. C.

Then, of course, you will need a beverage set for serving iced drinks at all hours, in or out-of-doors. We think the one illustrated above is about the nicest one we have seen this season as well as being a remarkable value. The tall tumblers are encased in handy holders and a round tray completes the outfit. The holders and tray can be had in a brass or copper finish, but if you prefer more vivid colors for outdoor use, you can order them painted in almond green, orange, or yellow. And I am sure you will order more than one set when you hear that the price is only $1.95 prepaid within 100 miles of New York. Stern Brothers, 41 West 42nd Street, N. Y. C.

And now, what about one of these frisky little animal corks to brighten up the top of your badly depleted bottles. They come all the way from Austria, and are made of white china, with deft touches of bright color. Reading from left to right please notice the Prancing Horse, Dancing Elephant, Perky Squirrel, Lonesome Scottie, Quacking Duck, and Wistful Kitten. Choose your favorite animal from among this gay menagerie and you can have it for the trifling sum of $1.25 prepaid from Pitt Petri, 378 Delaware Ave., Buffalo, N. Y.

Don't think that we have forgotten that even a well-mixed drink must be stirred and, although these non-breakable spoons have appeared before, they have never been available in such delectable pastel colors and at such a low price. Long enough for the tallest tumbler, they will add to your enjoyment of your favorite drink. They can be had in shades of green, lavender, yellow, salmon, or blue and can be ordered assorted or all in one color, or you can have them in any color combination you can think up. $1.65 prepaid the dozen. Take my advice and order them quickly or you will be disappointed. From THE THREE NEW YORKERS DIVISION OF HAMMACHER, SCHLEMMER & CO., 145 East 57th St., N. Y. C.

We hope that we have been helpful in showing you the latest novelties but write us direct if...
Shop Windows of To-day

MAPLE WING CHAIR
A good big chair, but not overpowering for small rooms because of the maple wings. Seat and back well upholstered in a variety of unusual materials or your own. Reversible loose spring cushions and surprisingly comfortable. Height 39"; back 30"; seat between arms 21"; seat depth 19" $37.50
The little table is of solid maple, hand-rubbed. Top 20" x 15"; 20" high $10.00
The maple foot stool is upholstered in a choice of materials or ready for your needlepoint. Top 14" x 12"; 12" high $9.00

FOR PERFECT COFFEE
You will want a Silex coffee maker. All Pyrex glass - electric, gas and alcohol models - silver, chrome or nickel finish - three sizes. Write name on this advertisement for booklet and name of nearest dealer - - -

Our August Special
Metal Nameplate for your country home. A cheery Blue Jay, a Pine Warbler or a jaunty Magpie. Brilliant natural colors. Plate measures 3" x 11". Special to American Home readers $4.00
To print name on both sides $1.50
Delivery prepaid within 100 miles. To points beyond, charges collect.

three new yorkers
415 East 57th St.
New York, N. Y.
Now a division of Hammacher, Schlemmer

What will the weather be?
Clipper Ship Barometer
Price $4.00
Be your own weather prophet and regulate your activities to the weather—it is a good idea and a lot of fun besides, watching the water rise or fall in your barometer. When falling, it indicates fair weather—rising, bad weather.
These instruments are made from an old original mold and are the same as those used by early Salem sea captains. Even today they are more sensitive than fine modern barometers.
On wooden stands 10 in. high. Full directions with every barometer.
DANIEL LOW & COMPANY
124 Essex St., Salem, Mass.
Enclosed find my check for $4.00 for Clipper Ship Barometer (sent prepaid).
Name
Address
City

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You will want a Silex coffee maker. All Pyrex glass - electric, gas and alcohol models - silver, chrome or nickel finish - three sizes. Write name on this advertisement for booklet and name of nearest dealer - - -

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In and About the Garden

There is an abundance of real pleasure to be had out of playing around or working with a garden (whichever way you like to look at it). However much you may be interested in your own particular garden, there is always an extra thrill to be had looking into gardens with others. So for this month we are inviting friendly visits to the gardens of a few of the garden neighbors who from time to time send me photographs and accounts of their experiences.

Mrs. Walter Teis Smith, of Pekin, Illinois, confined to a wheelchair finds pleasure in directing the work of a garden. "Each year I make a few changes and improvements wherever they are needed. I have gotten very good suggestions and plans from The American Home and your books."

Harry G. Smith, of Louisville, Kentucky, writes, "For several years I had an old dry well in my garden which was an eye-sore and I did not know how to get rid of it until I saw the plans of a pool in an issue of The American Home last spring.

"I measured off the size of the pool so that this old well would be about in the center of it. As we dug the pool we shoveled the dirt in this well and I got rid of it and saved the expense of moving the dirt at the same time. The bottom of the pool was reinforced with some old iron rods and poultry wire to be certain it did not sink. We dug the pool six inches larger all the way to allow for a wall and bottom of this thickness. When the form was put in there was nothing to do but pour the concrete as the sides of the excavation took care of the outside form.

"The size of this pool is fourteen feet from end to end and six feet wide and two feet deep. The cost of the pool exclusive of plumbing was thirty-six dollars. The plumbing was a little more expensive as my water pipe had to be run a considerable distance and the drain and overflow connected with the drain from my house. We have had more pleasure out of this seventy-six dollars than anything we could have put it in."

Mr. G. Griffith Clapham and his wife resist the temptation to dispose of the 50 x 100 ft. plot adjoining their home because they prefer to keep it as a garden. Four years ago it was a tangle of wild underbrush, briars, etc. Subsequent work in garden making has been done by Mr. and Mrs. Clapham themselves. "The exercise is good and we thoroughly enjoy it. We get good results with many blooms from early spring to late fall, and even had flowers blooming in December. The rock bordered pool I built by myself." It is always good to hear about other people’s gardens. This is an invitation for you to let me see the pictures of your garden and tell me what you are doing with it.

Rock gardens and waterlily pools are contestants for first place in popularity to-day, yet my memory goes back to a time when both were looked upon as extravagances, almost freaks, beyond the range of the ordinary individual. Thirty years ago the elder William Tricker was campaigning for the water garden, and I was trying to tell of the charms of the rock garden. I have read, with amusement, recent vain-glorious assertions of others (whose championship began many years later) that they “uncovered” the American rock garden idea to the populace. Mrs. Chanler of Tuxedo and Mr. C. B. Lown of Poughkeepsie, N. Y., were the pioneer hobbyists.
Burpee's Bulb Book

Get your free copy of this great Fall garden guide to know the best varieties of bulbs for Fall planting. Full descriptions, with many beautiful illustrations, planting information, and a wealth of garden hints.

Burpee's Bulb Book

FREE

For Happiest Effects
Plant QUANTITIES!

Especially when prices are as moderate as ours, mass planting is in order. A bed of a hundred or more Trilliums (see picture above) is a truly charming sight. They are readily grown, preferably in moist, shady spots. Being perfectly hardy, they will herald each succeeding spring.

Trillium grandiflorum or Three-Leaved Nightshade is the handsomest. White flowered form turns lilac as they grow old.

Mertensia virginica is another lovely wildflower. It is easily grown, pret a Riparia is a truly charming sight. They are happily they need no pruning and continue your favorite, can glorify your garden.

RECOMMENDED COLLECTION

Scarlet Beauty of Livermore; the orange-spricot Mrs. Perry; and Perry's White are poppies we particularly recommend.

100 Crocus, in 4 colors........ 100 Poet's Narcissi .......
100 G Hyacinths. Heavenly blue... for only...

NOW Is the Time To Plant

ORIENTAL POPPIES

THE gorgeous Oriental Poppy has ways of its own that you and I are bound to respect. One is that although they are robust growers and fill July with unlimited bloom, they are very touchy about being disturbed for transplanting unless done in August, September or October, leaning towards August. Once planted, however, they need no humoring and continue your favorite, can glorify your garden.

Furthermore, there are a goodly number of other hardy plants that feel kindly towards August and early fall planting.

Send for our new autumn catalog offering not only bulbs in many varieties but also the greatest collection of hardy plants and rock plants ever brought together in one nursery. And what is more, it also tells what, where and when to plant each variety so fully listed.

Wayside Gardens

MENTOR, OHIO

Summer flowers can add a touch of color to your garden. With our selection, you can create a beautiful display for both you and your guests.

Thinking About Evergreens

YOU know the time is at hand when evergreens can best be moved. Perhaps you need to change some of the overgrown specimens around the porch, to make a complete new grouping, or to set a row for a screen, borderline, or background for the outdoor living room.

From the great assortment of Evergreens in our nursery you will find specimens for foundation groups, rock-gardens, sunken gardens, home grounds and large estates. Our specialties include grafted Blue Spruce (Koster and Moore), Junipers in variety, Retinosporas, Azaleas, Cotoneasters, and others.

Our catalogue, “Evergreens, Azaleas and Rhododendrons,” is most helpful.

In your request for catalogues, please state definitely what you expect to plant, as we issue several catalogues. You will confer a favor on us by mentioning American Home when writing.

BOBBINK & ATKINS, Rutherford, New Jersey

Special Offer The above $35.00 of 800 choice bulbs

- for only - The rest bloom in April and May—the Crocus and Chionodoxa earliest of all, as soon as the snow melts. Delay may mean disappointment. Order Now.

100 DARWIN TULIPS $3.50

Chosen, first-class bulbs, sure to bloom. Shorter maturing tulips with bloom in May. About 95 named varieties—out of all the Tulips we grow. Regular Mammoth Bulbs

We offer here a limited quantity of ex- tremely large sized bulbs to those who wish three more weeks bloom. bulbs. Only 8 named varieties—out of all the Arilis we grow. Regular Mammoth Bulbs

A $6.00 value for only $3.50, or if you prefer, 50 bulbs for $2.00

The Heralds of Spring

200 beauties—25 each of the following $6.50

- for only -

8 named varieties for

Babington, Mrs. J. H., Osorio, etc.; Winter-blooming: White Hyacinths, Winter Tulips, etc.

We will obtain later. Send for our

Send for our new Autumn Offering at our lowest prices. These bulbs are a goodly number of other hardy plants that feel kindly towards August and early fall planting.

Send for our Special Bulb Book.

NOTE:—These are all top size, first quality bulbs in collections of named varieties—no mixed. Plant each variety separately and label to appear its individuality. A $6.00 value for only $3.50, or if you prefer, 50 bulbs for $2.00

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Send for our new Autumn Offering at our lowest prices. These bulbs are
Rhododendrons Azaleas Kalmias

With many other charming broad-leaf evergreens—Pine, Larch, Arborvitae, Box, etc.—and a superb collection of American mountain and valley plants can be supplied in quantity. All are mature nursery-grown plants.

Special Collection No. 9
20 Azaleas, assorted, for only $24

Rhododendron, $15 Rhododendron, assorted, for $20

Send for our catalogue of native plants, send and every one.

E. C. ROBBINS
Gardens of the Blue Ridge
Box 7, Ashford, North Carolina

MERTENSIAS

This is our annual offer of Mertensia virginica, or Virginia Bluebell.

Most every gardener now knows and loves the Mertensia with its clusters of nodding tubular flowers of blue and pink, and each year we sell thousands of it for borders and woodland naturalizing. It plants best from July until October.

This season our prices are lower than ever for strong, large roots and one can afford to use it in quantity.

Price for orders received until September first:

2 for $10.00 $1.50 per 100
3 for $15.00 $1.00 per 100

Our catalog of nearly 400 varieties of North American Ferns and Wild Flowers will soon be ready.

Add-A-Unit Stake and Plant Support

Other fragrant, delightful, and showy bulbs and corms for sale to complete your summer borders and woodlands.

The PFEIFFER NURSERY
Dept. L-70
Winona, Minn.

FREE BOOK COUPON

Send for our FREE BOOK COUPON and descriptive list of flowers and plants. Write on a piece of paper, state quantity you desire, number of names (if any), and your address, and send to us. We will send you the descriptive list free upon receipt of your order, at our expense. You have nothing to lose by doing so, for it will enable you to select the proper plants for your garden and to save time when you are about to plant. The PFEIFFER NURSERY, Dept. L-70, Winona, Minn.
Pedigreed Bulbs

Garden Tools given Free with Orders

Stumway's carefully selected, Holland grown, bulbs produce blooms of gorgeous beauty. Largest sizes guaranteed. Priced low for such superior quality. All steel Bulb Setter sent free with each order of $3.50 or more—complete garden kit free with each order of $10.00 or more. All delivery charges prepaid.

Superfine Mixtures—Largest Size Bulbs

- Darwin Tulips, 17 varieties... $2.50
- Broder Tulips, 15 varieties... 2.25
- Cottage Tulips, 12 varieties... 3.50
- Early Single Tulips, 12 varieties... 3.50
- Early Double Tulips, 12 varieties... 3.50
- Crocus, 15 in. diam... 3.35
- Hyacinth, 14 varieties... 3.50
- Narcissus, U. S. Grown, 5 varieties... 2.75

50 bulbs at the 100 rate

FREE BULB BOOK

A full color picture of a large variety of Tulips, Narcissi, Hyacinths, Crocus, Peonies, Iris, etc., with a very helpful guide to planting, free. Write for today!

R. H. STUMWAY

Foster & Weeks

SEEDSMAN

118 S. FIRST ST., BLOOMINGTON, IND.

Iris, Peonies, Delphiniums

I have large quantities of them but as the tax collector will not accept them for taxes I must exchange some of them for money before Nov. First. If you are going bargains.

12 Early Iris, Delphiniums, 6 Peonies, ALL EXCLUSIVE, good variety, not labeled, $1.00. 100 Bulbs, 12 different named varieties—50 at 45, 100 at 70, 500 at 125, 250 at 225 each 25 to 42 each. See catalog for other varieties. GEO. N. SMITH

165 Cedar Street Wellesley Hills, Mass.

Garden reminders

blooming... Cut back Goldenglows for further blossoming... Decide on the bulbs you want to force in order of their relative merit. The book is free, of course, and in that it helps to make selection easy; the varieties being presented is a recognized treatise on the subject of creating s... Sow Parsley for spring use. Transplant old plants to cold frame. ... Spray Tomatoes with bordeaux mixture. ... Give aspirin to Cornell University, and Pumpkin vines and snapdragons. ... Give asparagus some bone meal. ... Tops of Squash, Tomato, and Pumpkin vines will be pinched back.

Mistaken—Order evergreens for delivery about August 15... Spray for cooling moist... Mow lawns regularly, to prevent soil weedy... Bud Cherries, Peaches, etc... Layer tips of Black Raspberries... Make new Strawberry beds... Remove some leaves so sun can get at grapes... Pick fruit as soon as it ripens so that other fruits will not be bruised... Spray Peach trees with bordeaux mixture after fruit is removed. ... Sow new lawns... Give hedges final trimming... Prune shade trees.

What is a good Delphinium?

Continued from page 328

and rain storms, no matter how carefully staked. Many plants grow too tall. Consider that most of this height is contributed by the foliage, and that often the side shoots begin to form at four or five feet from the ground, it can be seen that the ideal type is one where the foliage is crowded Globe-shaped turnips must be sown early in the month, the flat varieties may be sown later, but in no event later than the 20th... Thin out foliage of late Tomatoes... Prune back Lima and Pole Beans when they overtop their supports... Blanch Celery early... Keep soil well tilled for good Cabbage growth. Watch for slugs. Spray with arsenate of lead... Give Parsnips and Swiss Chard top dressing of fertilizer.

Destructive insect pests are quickly killed by the use of Wilson's O. K. Plant Spray, the nationally recognized standard insecticide. Protect your flowers, plants, shrubs and evergreens by spraying frequently and thoroughly.

Wilson's O. K. Plant Spray sold by leading stores everywhere and the persons by Mixed by the Familiar Trade Mark. Write us, if your dealer cannot supply your requirements.

Wilson's Awine (Pyrethrum Spray)

Non-poisonous, highly concentrated PYRETHRUM spray. Easily controls more resistant type of insect such as Mexican Bean Beetle, Japanese Beetle, Red Spider, Rose Chafer, Cabbage Worm, White Fly, etc., requiring only a dilution with water.

Then there is Wilson's FUNGO... an efficient fungicide and remedy for Mildew, Black Spot and many other forms of disease on ornamental and greenhouse plants. Particularly recommended for the indoor plant. Order: Fungus 10 Gallons... 4 or 5 Gallons $3.00.

Andrew Wilson

Dept. A8

SPRINGFIELD, NEW JERSEY

IRIS & PEONIES

10 Assorted Japanese Iris $1.50; 100 for $10.00 10 Assorted German Iris $1.50; 100 for $8.00 10 Peonies, full color range, $2.75

The FISCHER NURSERIES Evergreen Dept. 48 Evergreen Place

HARDY ORIENTAL POPPIES

Ask for a description of THE NEW NATURE LIBRARY

Doubleday, Doran & Co.

Wilson's O. K. Plant Spray is sold by leading stores everywhere and the persons by Mixed by the Familiar Trade Mark. Write us, if your dealer cannot supply your requirements.

3 Mill River Road, Oyster Bay, Long Island, N. Y.

please mention American Home.

The THE STEWART IRON WORKS CO., Inc.

The NEW NATURE LIBRARY

Doubleday, Doran & Co.

Garden reminders

Why Put Up With These Pests?

Why permit dogs to run all over the place and destroy lovely gardens crowded with much effort and only a few leaves and stalks left behind?

Why expose the children daily to various insects and other disorders and then put up with neighborhood "bad boys" and trespassers?

To start the privacy and relief alone is worth the investment in Stewart Wrought Iron or Chain Link Wire Fence.

Your Fence dollar can do so much better right now with prices at the lowest point and labor standing for work.

If interested in fencing, NOW write for booklet

"How to Preserve the Charm of Your Home."

THE STEWART IRON WORKS CO., Inc.

3 Mill River Road, Oyster Bay, Long Island, N. Y.

Nurseries at Valkenburg, near Leiden, Holland

and at Babylon, Long Island, N. Y.

Why Put Up With These Pests?

Bulbs that Win—and Always Will!

Whether you order Zander tulips, Daffodils or Hyacinths, Crocus or any other Dutch bulbs, you are sure to get the greatest value at most reasonable cost.

"Greetings from Tulipdom" is a recognized treatise on the subject of creating spring gardens from fall planted bulbs. Useful to amateur and professed bulb lovers alike in that it helps to make selection easy; the varieties being presented in order of their relative merit. The book is free, of course, and please mention American Home.

ZANDBERGEN BROS. "Tulipdom"

3 Mill River Road, Oyster Bay, Long Island, N. Y.
INDEX TO ADVERTISERS
August, 1931

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Gardening (Cont.)

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Furnace

4515 N. Clark St.

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