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AUGUST 1931

# The American Home

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**BIGELOW-SANFORD**

# The American Home

## for August, 1931



Cortain

### 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 professional pessimists about the breakup of the American family life, the benign influence of our latterday gods of the household shrines is not one whit on the wane. They are there though we may not see them, bringing peace and serenity to those worn with the pressures of a complex world.

To be sure, the hurried observer of our ways is likely to assume from his reading of the front pages of the newspapers, his visits to the modern theatre, his breathless progress through the great cities, that the divorce courts, apartmented living, the jazz tempo have all combined to banish forever our Lares and Penates.

Here at THE AMERICAN HOME we know better. Oh yes, we have read

the books written by foreign visitors describing us as a speed-mad nation who go home only to draw breath for the feverish activities of the next day. But let some of these visiting critics go a bit beyond the boundaries of traffic-clogged cities and the reports they will bring back will be quite different.

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 America 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 gracious figure of Vesta standing by the leaping flames at the household shrine.

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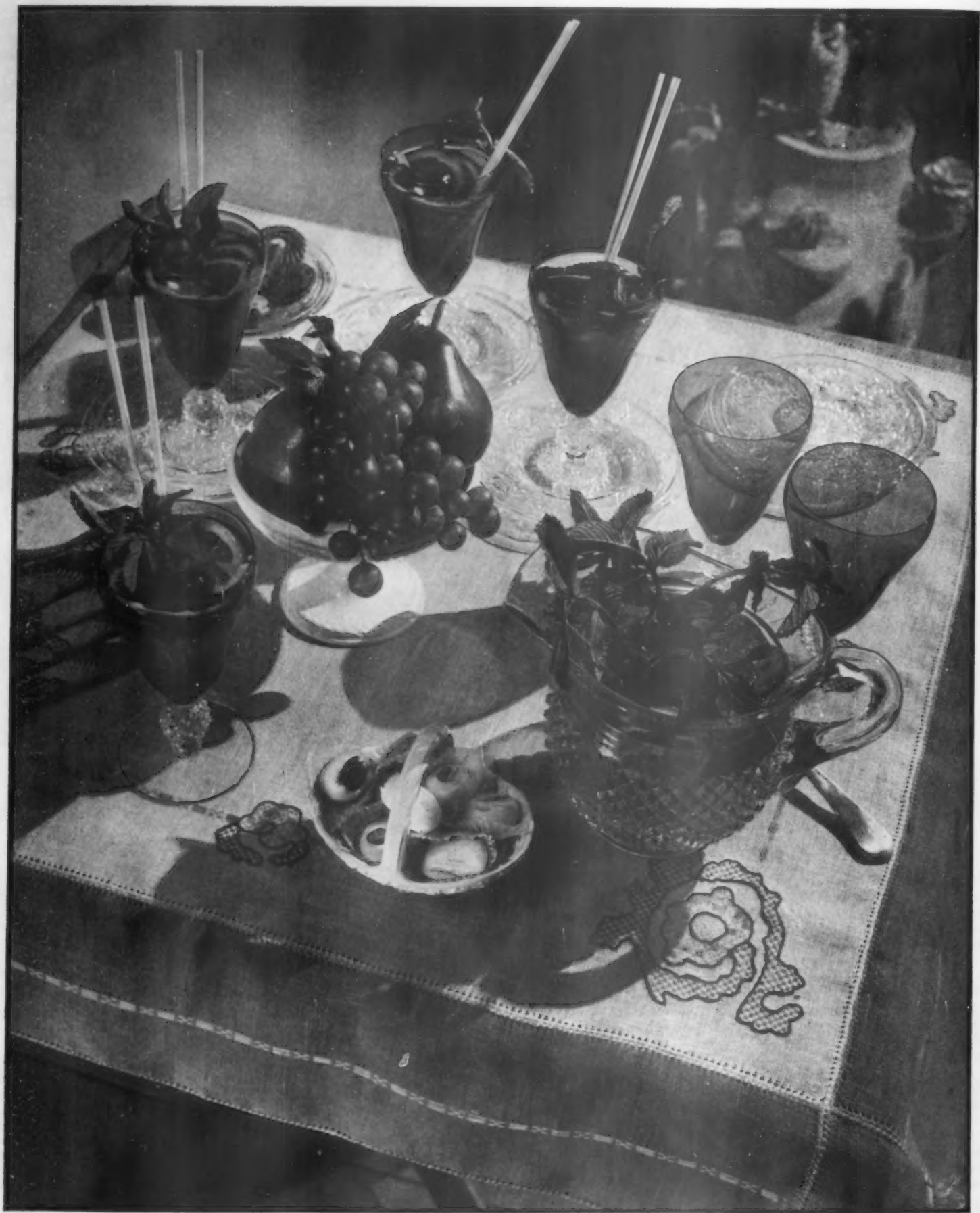
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See "Tempting Drinks for Torrid Days" on page 319

Dana B. Merrill

*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.)*

## What Price

# Style in architecture

## *Building costs for period designs*

by MORGAN G. FARRELL

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.

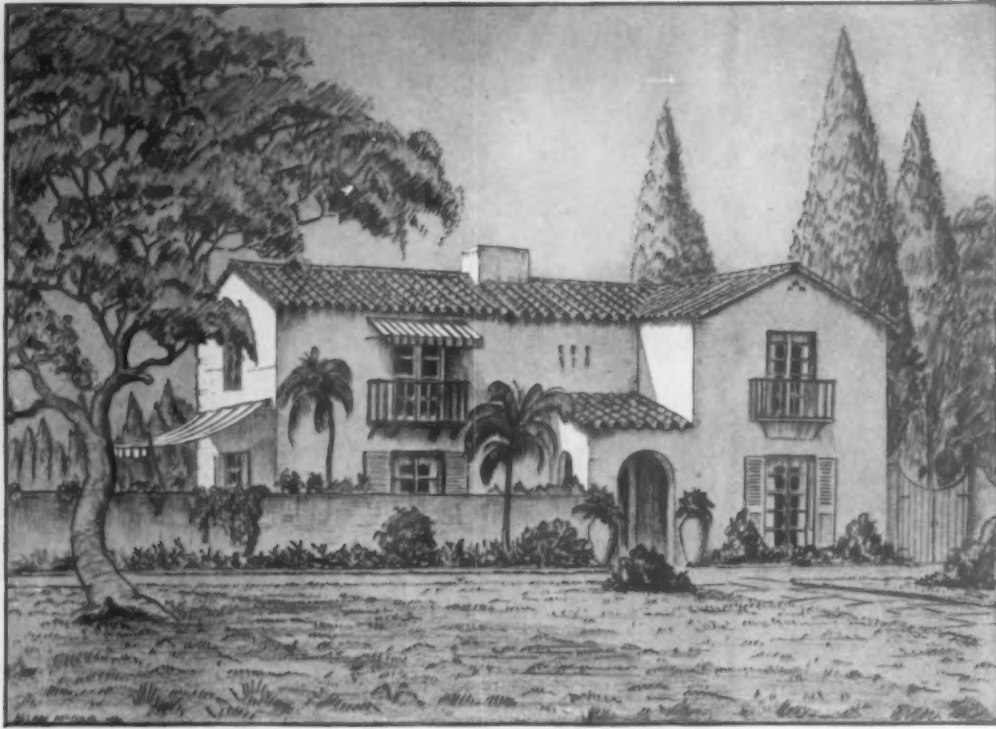
The Early Colonial cottage was, of necessity, the simplest style of home. Local materials, limited manufacturing facilities and practical labor considerations combined to keep the shape and details of the house plain. In that form it still survives and, to many, its chaste appearance and proportions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

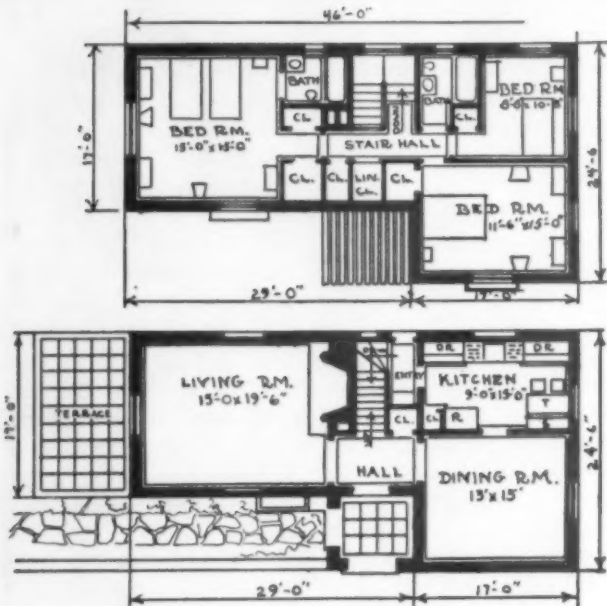
The foundation is a twelve-inch concrete wall and the cellar floor a five-inch slab of the same material. The frame is of studding covered with ship-lapped, diagonal



*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 J. Floyd Yewell. The plans for this house, which are shown below, are particularly efficient



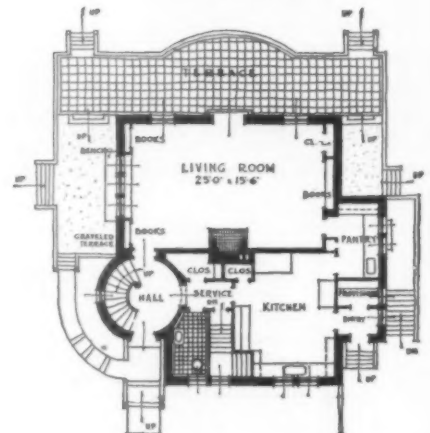
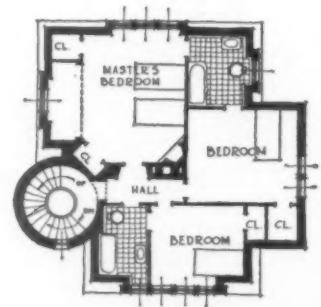
sheathing and plain shingles on the outside, wood lath and three coats of plaster on the inside. The shingles are painted and the plaster is tinted.

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 Bulry, 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



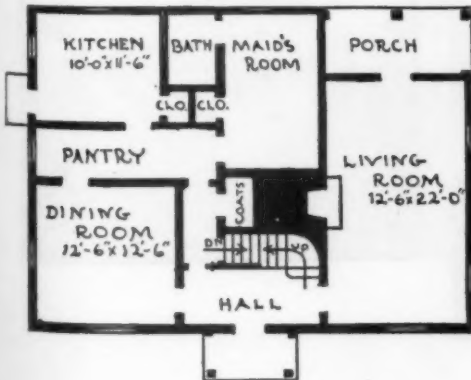
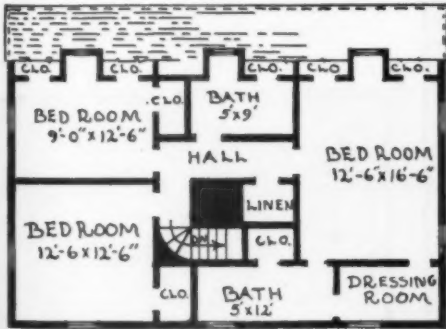
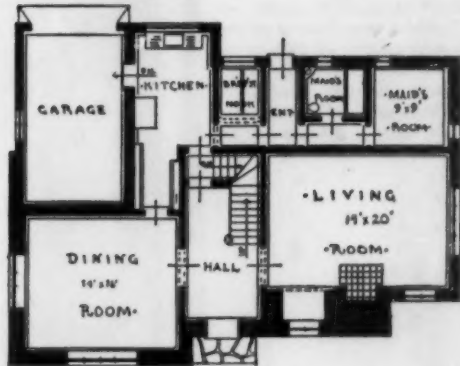
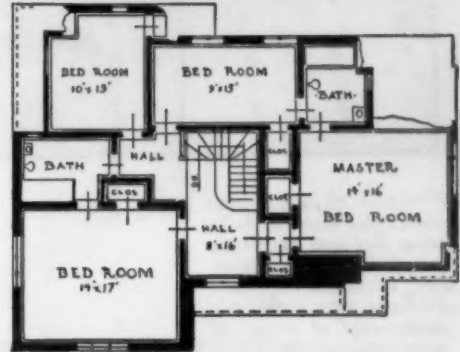
mold, and stairs are of simply molded poplar, painted white or some pastel shade to suit the owner's taste. Doors are painted to match, not stained. The hardware is of wrought iron. Thumb-latches and strap hinges are correct.

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.

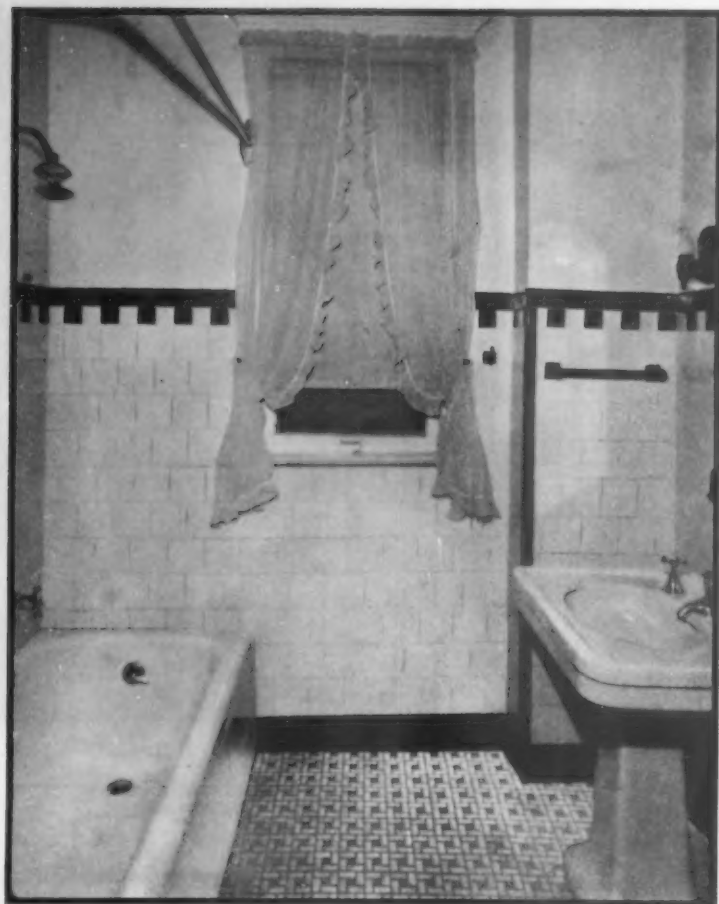
There is usually no wing in this (Continued on page 352)



Drawings by Allan McNab



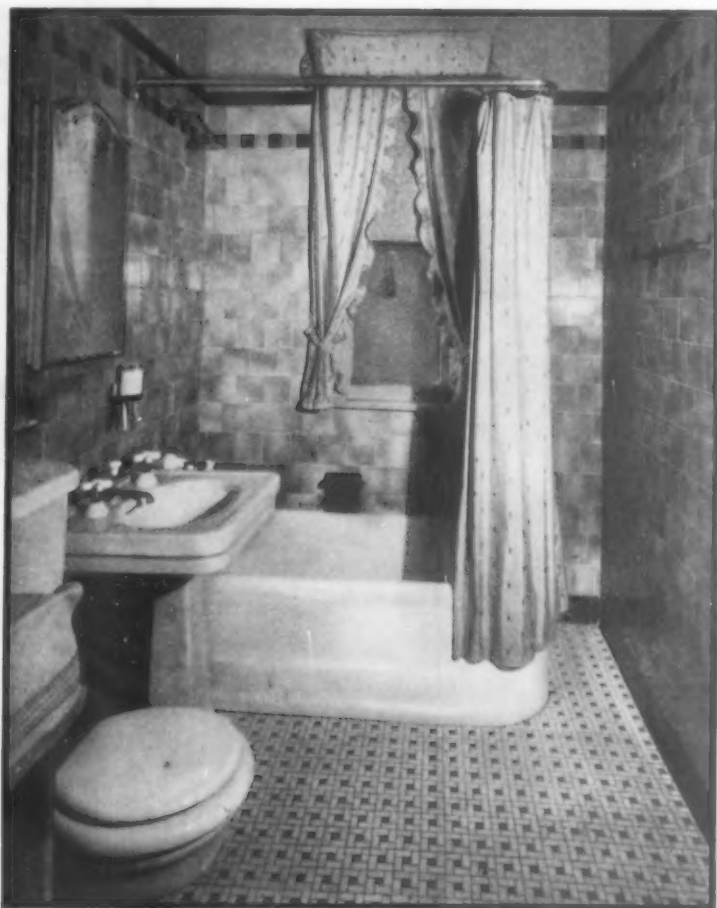
The Early Colonial style, of which an interesting example designed by Leigh French, Jr., is shown at the left, will always appeal to lovers of small houses. It has an indefinable quality that other styles lack. Mr. French's house would cost about \$22,000 to build in the New York area. The drawing at the left does not show the porch, which is at rear of the house on the right



# Bathrooms

## *Before and after*

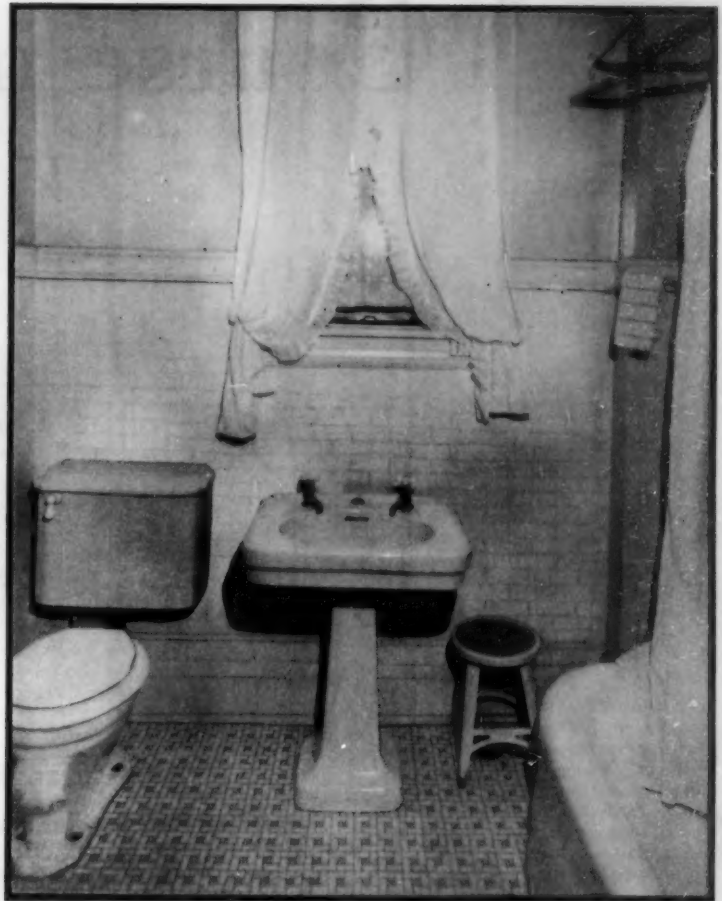
The pair of photographs above illustrate a bathroom that was hopelessly out of date and unattractive in appearance and the same room completely modernized at a cost of approximately \$320 in Chicago. This price included new fixtures as well as the labor of tearing out the old fixtures, setting new fixtures, 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

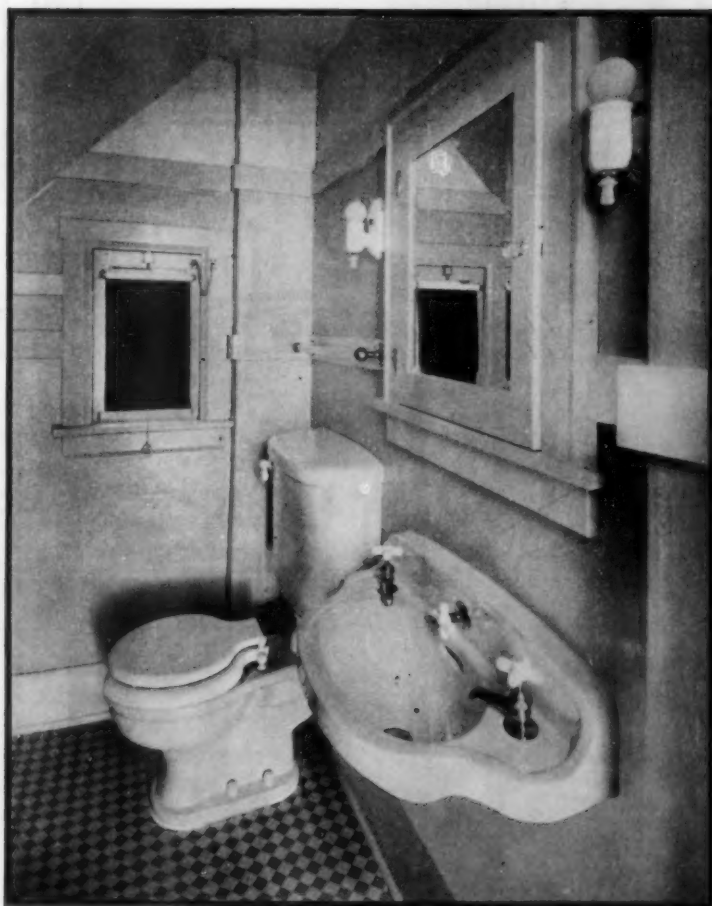






*There are so many styles in fixtures and delightful colors from which to make a selection that it is not at all difficult at this time to bring the most obsolete bathroom up to date at a moderate cost.*

*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*

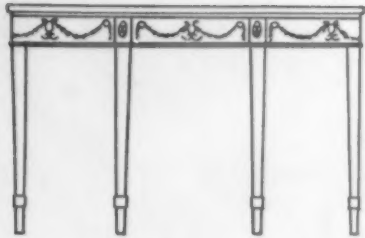


*When this 1895 model bathroom (above, left) was built tubs on legs and closets with high tanks were universally used. These are now obsolete and in this particular bathroom have been replaced by modern fixtures at a total cost of \$335, of which \$140 was for new fixtures and about \$190 for piping, materials, plaster, lumber, electrical work, tiling, and the setting of the new fixtures.*

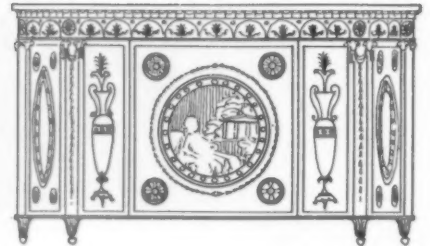
# A Course in Furniture

## V. The Furniture of Robert Adam

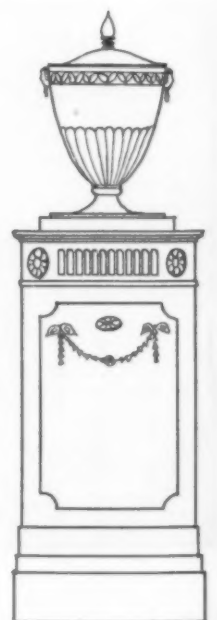
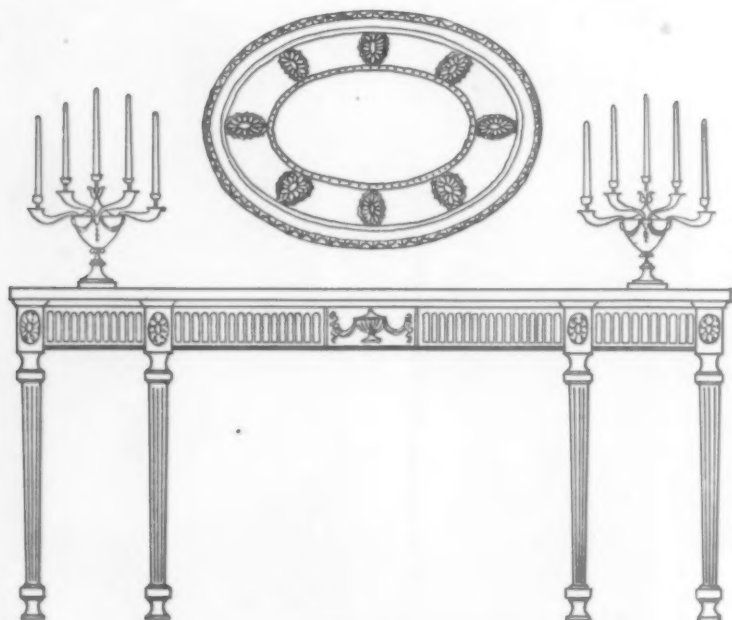
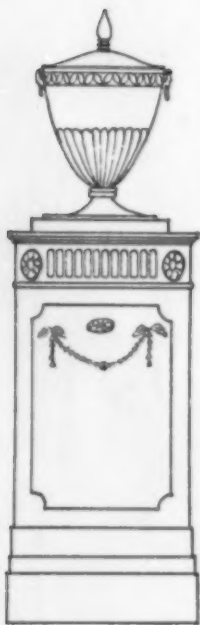
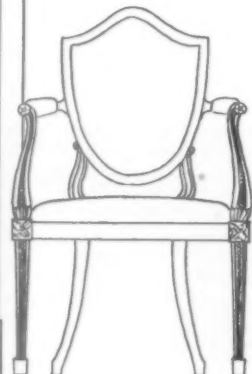
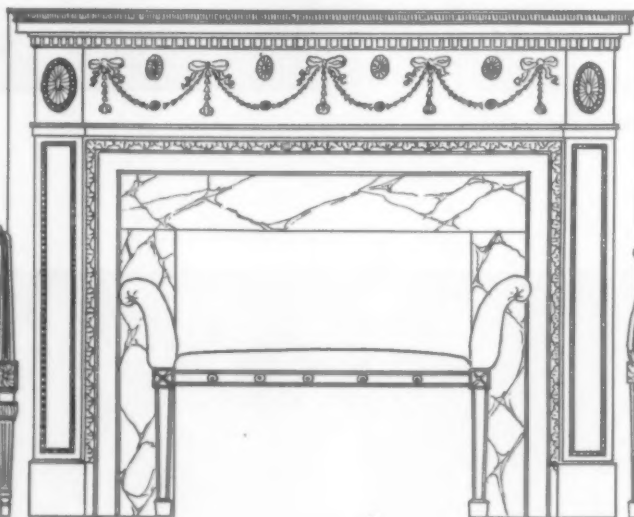
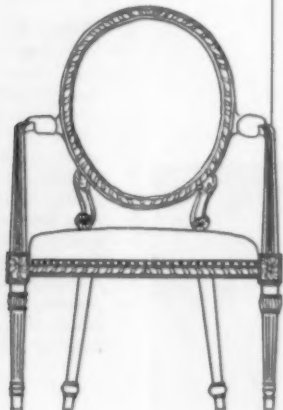
Drawings by LURELLE GUILD



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.

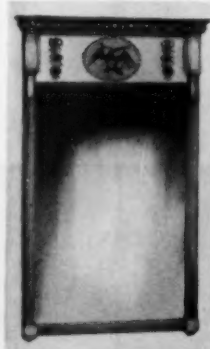
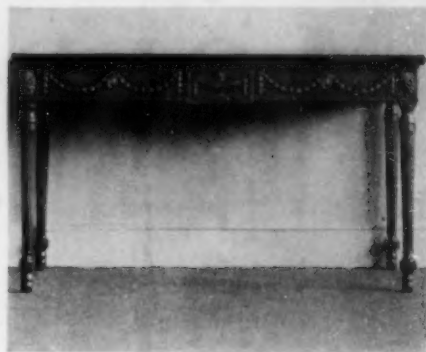
ALL the minor crafts followed the Adam style, and we still see evidences of it in the Wedgwood Queensware china and the chaste designs of Georgian silver.

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 satinwood, 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.

Evidences of the classic decorative motifs of the Adam period appear on this side table. (Schmeig, Hungate & Kotzian, Inc.)



A reproduction of an Adam mirror displaying at the top a painted decorative panel. (Baker Furniture Co.)



A modern armchair with the typical Adam carving in low relief. (Charak Furniture Co.)



Thoroughly Adam in style and carving is this Cheshire arm chair. (Erskine-Danforth Co.)

An example of a charming Adam mantelpiece with Wedgwood plaques in its architectural motifs. Their chaste restraint and delicate coloring are in perfect accord with the design of the mantel. (Todhunter, Inc.)



# MOLDS

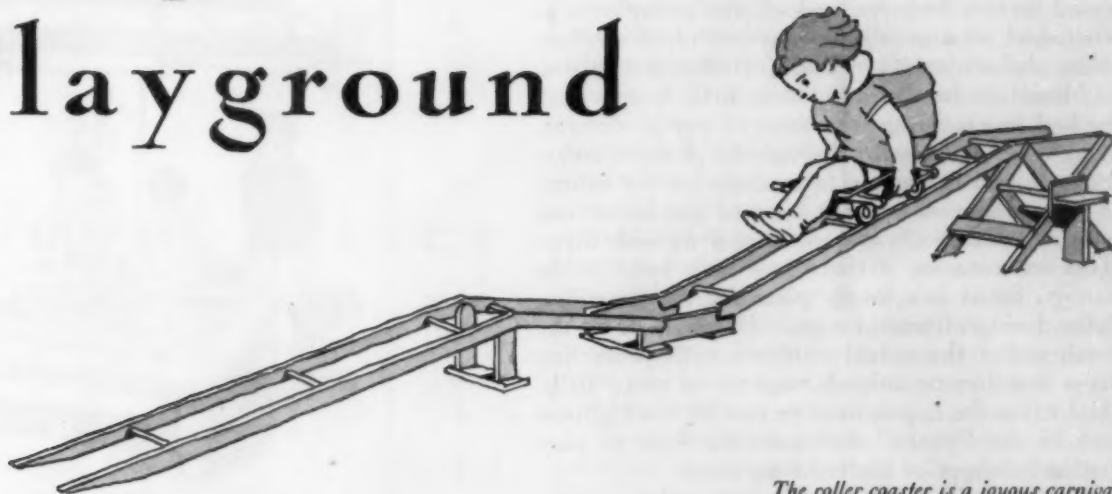
## of Fashion

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 in different 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 Lewis & Conger



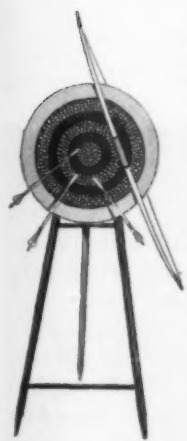
H. Victor Keppler

# Make your backyard a Playground



*The roller coaster is a joyous carnival sort of plaything that zips the rider over the track at an enchanting pace*

by ELIZABETH MACRAE BOYKIN



*For developing accuracy in a child archery is very helpful*

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 pigtailed, 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-ingenuous-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 punish-

ment 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 gymnasiums 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



*The four-seated merry-go-round for the backyard is propelled from one or all of the seats, each passenger doing his bit. The canopy above has painted decorations of beloved circus characters, and the music box plays real calliope records*

*Sketches by Jack Manley Rose*

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

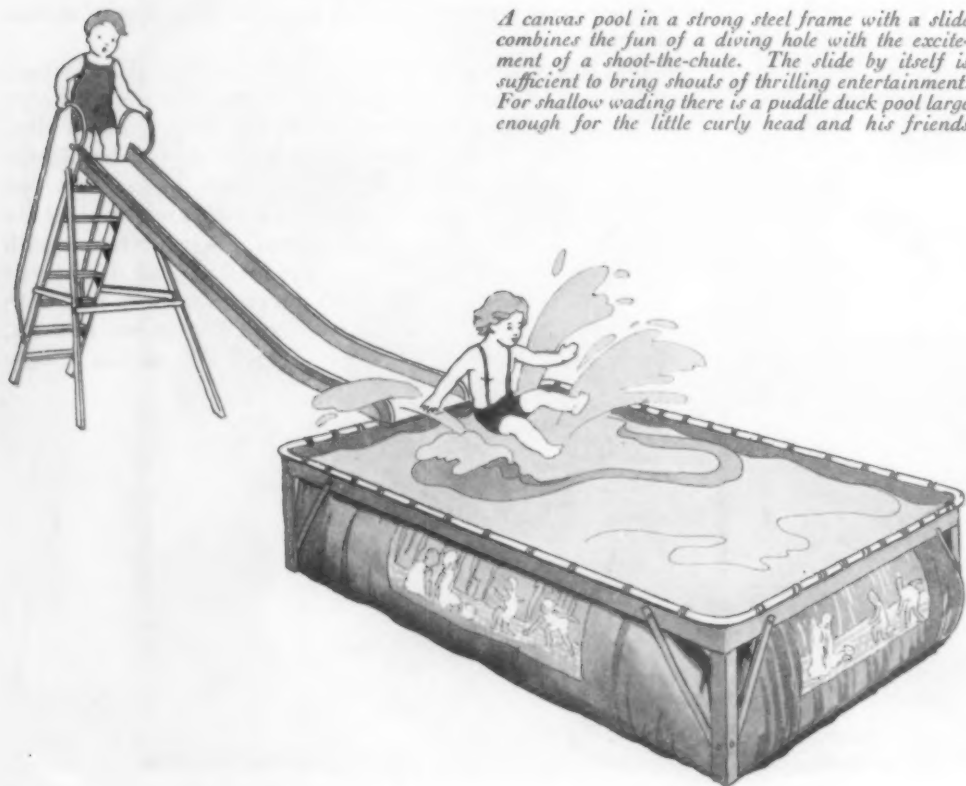


*Under the shade of a colorful umbrella the youngsters may guide the destinies of fleets, sea monsters, puddle ducks, and frogs, or build mountains, forts, or caves depending on whether this combination box is serving for sand or water. The corners and edges are rounded to prevent cuts, bruises, and torn clothing*

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.



*A canvas pool in a strong steel frame with a slide combines the fun of a diving hole with the excitement of a shoot-the-chute. The slide by itself is sufficient to bring shouts of thrilling entertainment. For shallow wading there is a puddle duck pool large enough for the little curly head and his friends*

# 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 glossy effect is desired finish with a coat of enamel. (Artercraft Furniture Co.)*



Dana B. Merrill

*To add color to a room one can now obtain occasional pieces of unpainted furniture which, with a little effort with a paint brush, can be made to introduce a new and pleasing note entirely, however, in harmony with the other furnishings in the room. (Hearthstone 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.

If you have a provincial Colonial dining room, a painted cupboard will be authentic here. Unfinished Welsh cupboards run from \$34.00 to \$135.00.

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.

The occasional chair can be made a colorful feature in any room in the house and those available unpainted include the styles of many periods. Particularly adaptable to color treatment are the armless Windsors which range in price from \$4.10 to \$10.50, the ladderbacks which are good value at \$12.35 and \$13.00, and the arrowbacks at \$6.00 and \$7.00.

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



*Introducing a few bright pieces among the maple, mahogany, or walnut furniture makes for a close blend of vivacity and dignity. If the draperies, rugs, and upholstery are of neutral tones, the wallpaper may supply the color cue for the painted furniture. (Hearthstone Furniture Co.)*

figures do not include mirrors, which are generally sold separately. Hanging mirrors are low priced at \$5.25. A better quality of glass or a more ornately carved frame brings them up to \$20.00 or more. Portable mirrors can be found at \$7.00 and up; finer ones cost from \$10.00 to \$25.00. A little candlestand for \$5.25 was seen recently at a good shop. Bed-side tables large enough for a lamp and a book or two cost \$7.50; another type is \$9.00.

Most of all, the paint brush is needed in the sunroom, to catch every gleam of Old Sol's brightness. The butterfly or the tilt-top table is suitable in the much-used solarium, and a wooden-backed chair or two can be painted to match or contrast with the sure-to-be-present wicker, which can also be bought unfinished.

But though the use of incidental painted pieces in any room relieves the color burden of the fabrics, there must be a tie-up between the two, unless the draperies, upholstery, and rugs are of neutral tones. In this case, the pattern of the wallpaper may supply the color cue. Painted walls of cream or light gray

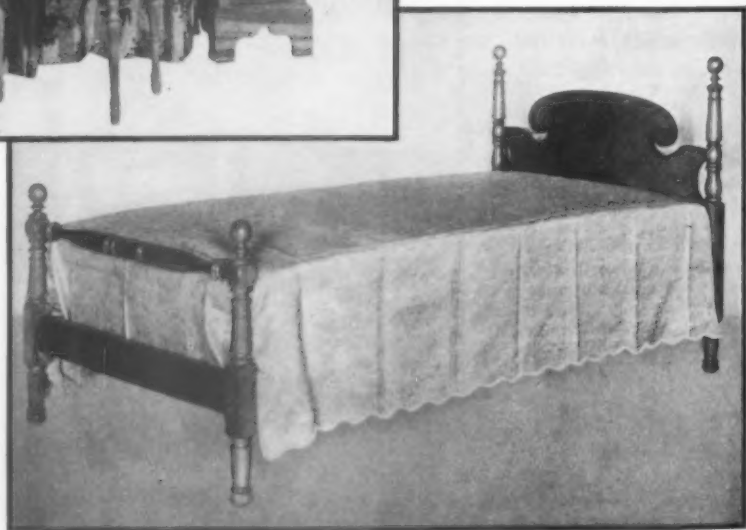
place no limitations upon the furniture decorator and favorite tints or shades may then have right of way. Personal preferences, however, must always take into consideration the degree of natural light which is available, the use to which the room is put, and the general style and tone of the other furniture. 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 striper 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 an open cupboard. Rust set off with black and silver, dull brown trimmed with (Continued on page 338)



*The mirror, bench, and tier of drawers on either side of the dressing table may be painted to accent a color note in the chintz skirt. (Hearthstone Furniture Company)*

*The bedroom especially offers an excellent opportunity for individual expression in the use of color. Among the larger unfinished pieces there are four-poster beds of simple design. (Artercraft Furniture Co.)*



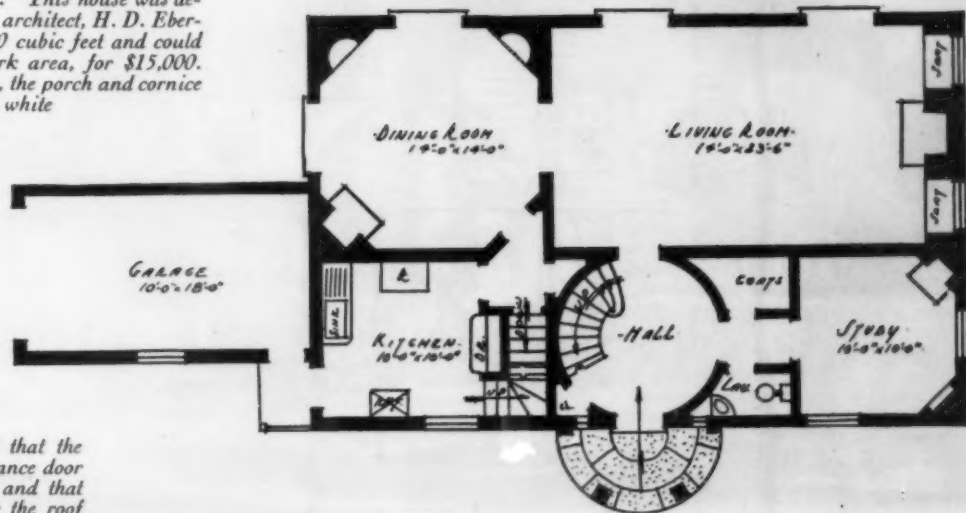
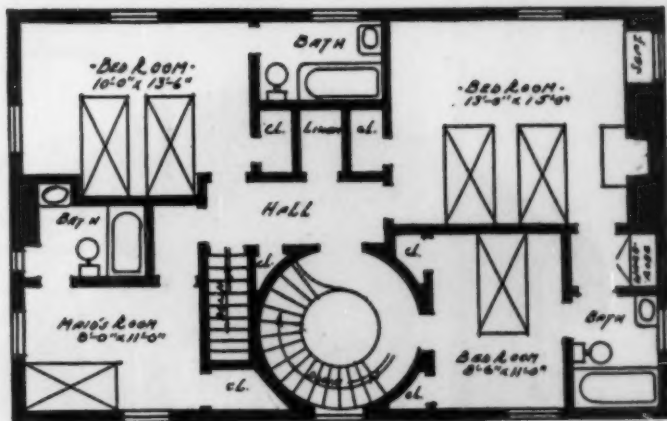




# A REGENCY HOUSE

*of excellent proportions*

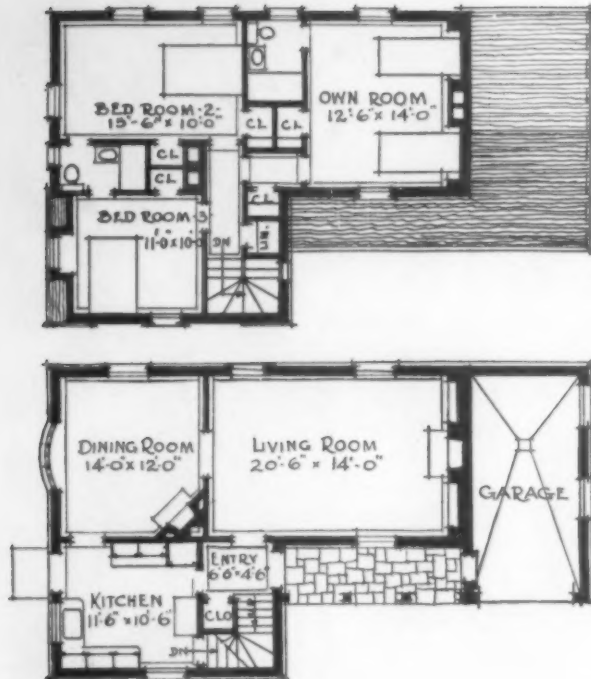
*There is a revival of interest to-day in the Regency style of architecture which was popular in the early nineteenth century. It closely resembles a certain type of Georgian architecture, but the interior decoration is quite different, more colorful and distinctly unusual. This house was designed for us by Donald G. Tarpley, architect, H. D. Eberlein, associated. It contains 30,000 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*

# A WELL-PLANNED HOUSE

*of interesting design*

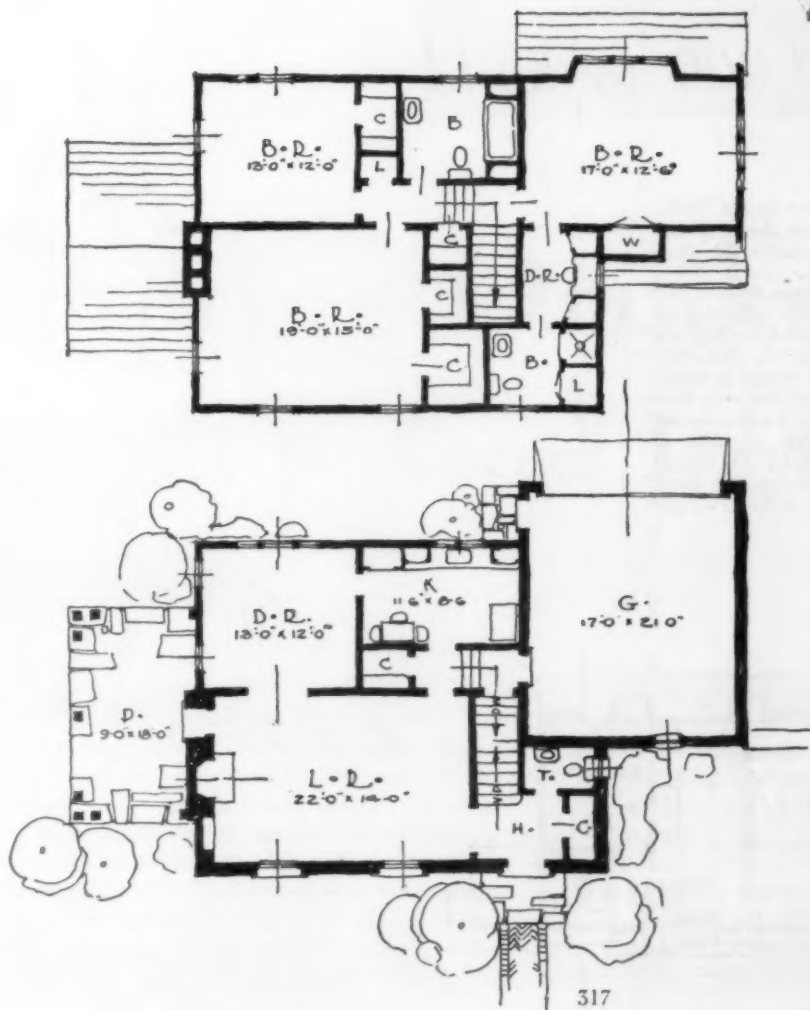


*We must congratulate E. T. Steffian, the New York architect who designed this house for us, on the skill with which he has worked up an unusual design and plan. The materials he suggests are stucco for the first floor and the end wall of the owner's room, and gray weathered shingles elsewhere on the 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 20,300 cubic feet, and the house could be built for about \$10,000*

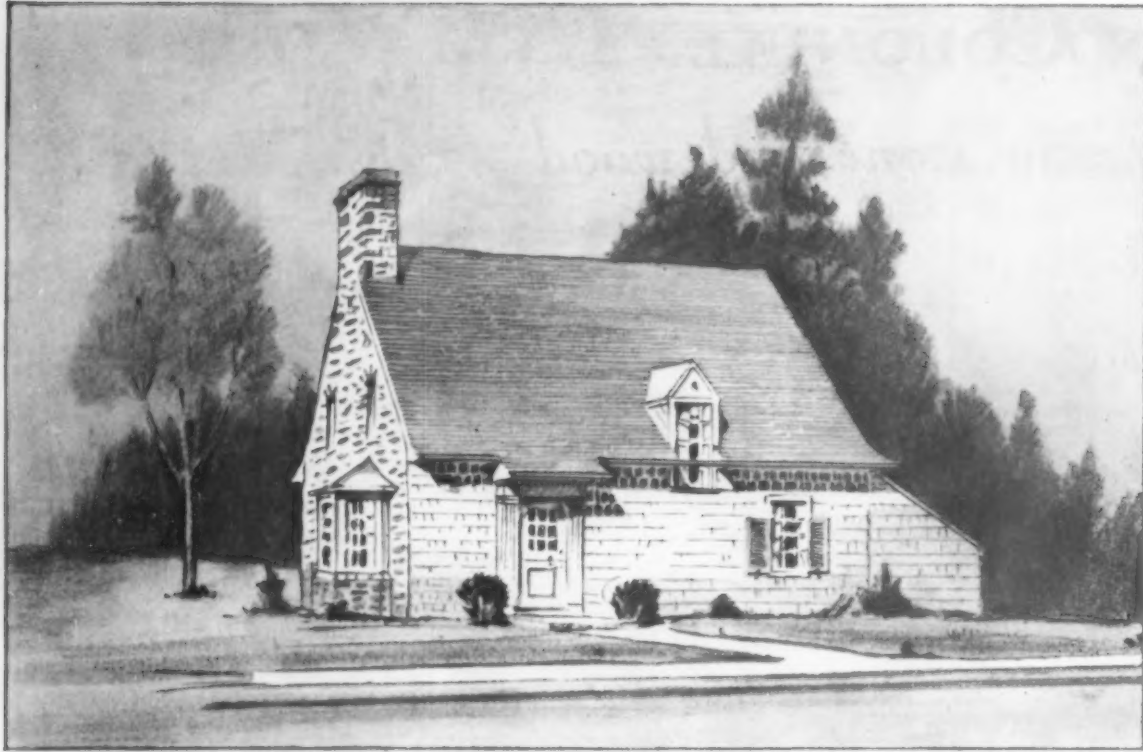


# MODERN COLONIAL

*in stone and wood*



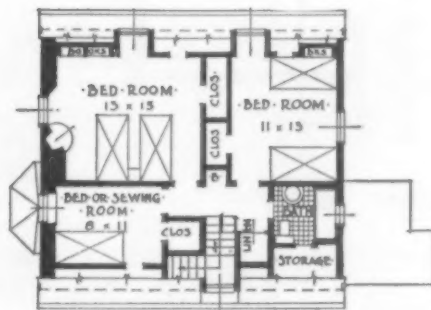
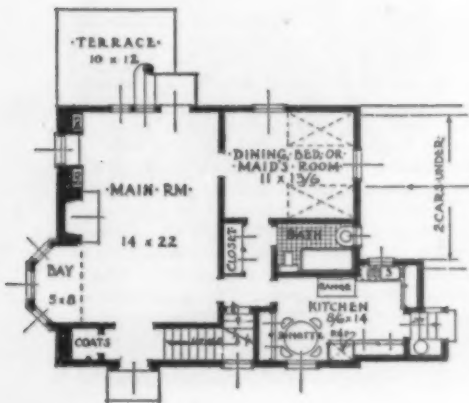
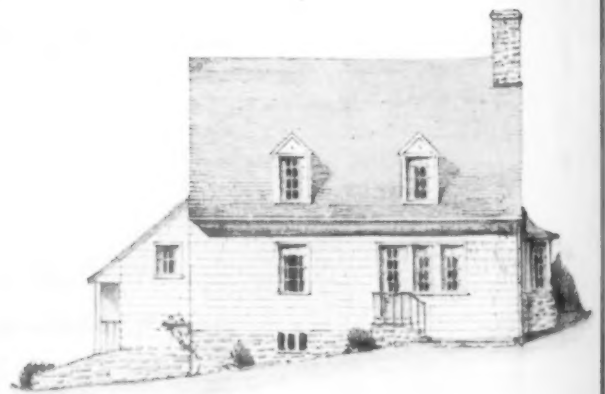
The architect of this attractive small house is Otho McCrackin of Hutchinson, Kansas. The Early Colonial style has been successfully modified to meet present day needs, although nothing of the charm of this style has been lost. Mr. McCrackin suggests using fieldstone walls for the first floor of the 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 cubical 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



*This unusual iced tea set consists of a large jug and six glasses with a breezy yachting scene on them done in colored enamels (Pitt Petri). The bridge table cover and napkins are in natural Russian linen with a design cross-stitched in orange, brown, and blue (L. Bamberger & Co.). Fostoria ice bucket, sterling ice tongs and sterling iced tea spoons (The Gorham Co.), bottle opener (Lewis & Conger), and candy olives (Maillard's) complete the setting*



*Dana B. Merrill*

# 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 stand-bys 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 none 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.



*This refreshment set consists of wrought iron table with tiled top and rose, amber, or green covered pitcher and six glasses. (L. Bamberger & Co.)*

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 335)



*Bountiful supplies should be in every pantry that iced drinks may be prepared at a moment's notice. (Sugar flavored with lemon, Maillard's; reproductions of Sandwich glass dishes and beverage napkins in the shape of lemons, L. Bamberger & Co.)*

# 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 ex-

periment 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,



*The French doors of the dining room open onto a brick terrace which, screened with dogwood, affords a charming outdoor retreat and makes for greater intimacy with the garden*



*Eugene Benham, architect*

*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.*

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.

**T**HE 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.

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 mono-

tonous 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 fire-side 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 frisettes, 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)



# *Business of* Keeping Beautiful



David J. Koser

*The housewife should look to her appearance*

by BETTY THORNLEY STUART

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 rushes 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 of the skin-woes laid at the door of the cleansing agent ought to be parked neatly under the head of false economy—a half-clean face that would have been all-clean if its owner hadn't skimped on materials. If you aren't perfectly sure that you have the right cleanser for your particular skin, keep on experimenting till you find it, for the market is wide. Then establish your twice-a-day routine and stick to it as though your soul's salvation hung in the balance. Make-up left on overnight—to say nothing of dirt—is the worst crime against beauty that anyone can commit.

The cotton and tissue manufacturers have been unusually thoughtful this year. We can now get cotton that flares in a neat little tongue from a tall round blue box with purple bands. It looks like an enlargement of the metal kind the dentist keeps on his shining table. Grasp the flare at the top and pull to get a small piece, do it further down for a big fat wad, put the lid back and you'll always find your cotton clean and ornamental. Another school of thought prefers the equally new rectangular blue and gray container (made by another firm) where seventy-five little cotton squares, separated by sheets of blue paper, lie piled in stacks convenient for use. If, however, you're a tissue rather than a cotton fan, you may be interested to know that a third enterprising group of gentlemen have dressed your favorite clean-up aid in green, orchid, and pink to meet the rage for color in the bathroom, fitted it on a chaste metal roll arrangement and given it a hook-up for the wall, where it looks like the tiny, giddy debutante sister of our old friend the paper-towel dispenser.

If you belong to the soap and water faction, you'll keep such boxed or tinted frills for your foundation treatments rather than your wrecking work—and you'll be glad to know that you have at least one of the country's biggest beauty specialists more or less on your side. For, while she

has recently introduced a liquid cleanser and a marvelous 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 due to age, ill 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 astringent, 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, anti-wrinkle creams, creams to prevent sunburn but permit tanning, creams to deal with the persistently shiny nose, astringent massage creams, creams to smooth but not fatten 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.

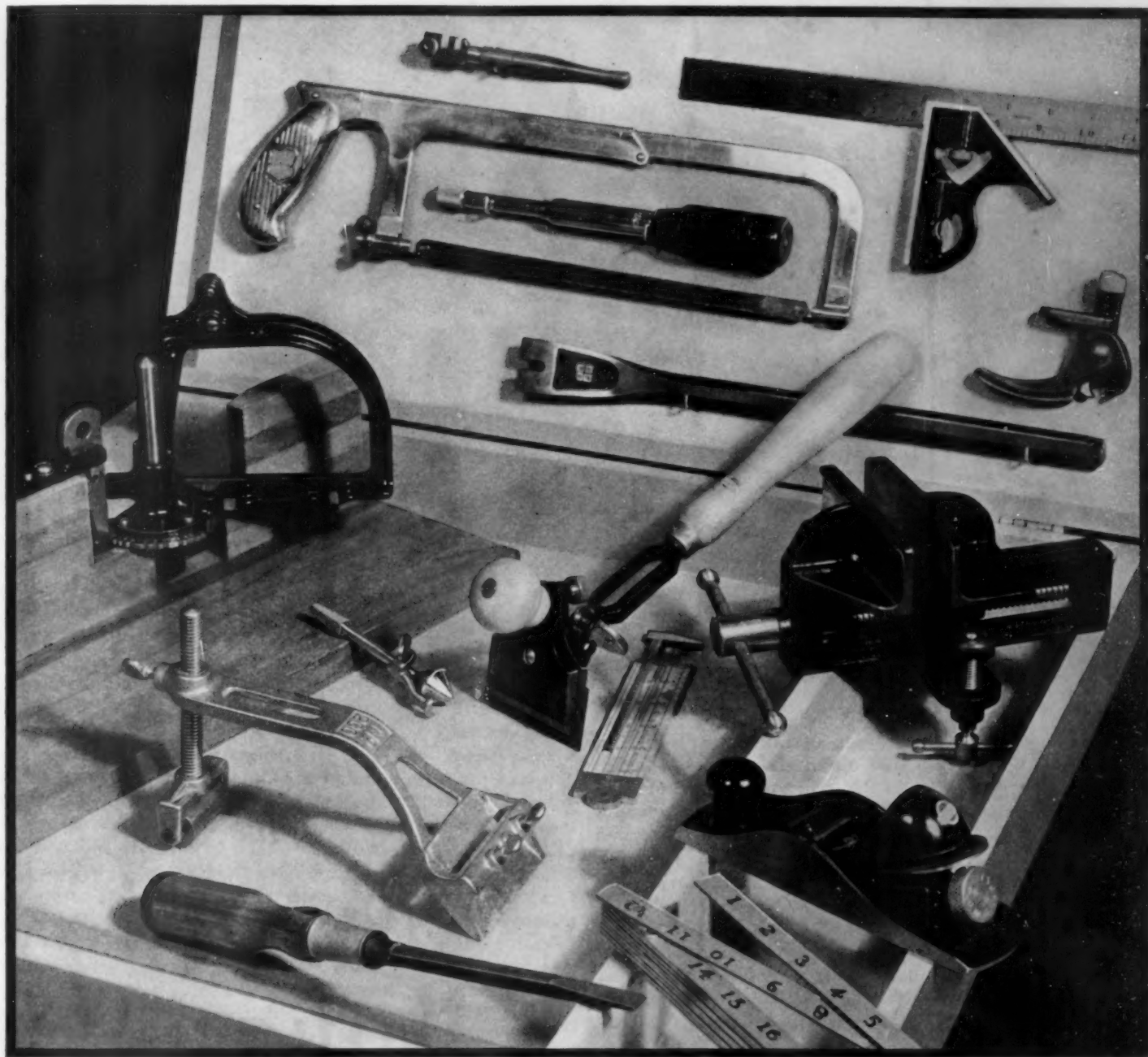
Practically all the creams in this second or foundation division belong to the night brigade; in the morning we have to cleanse, tone, and put on a cream of quite another type as a basis for make-up. For years and years a friend of mine had used one such cream made in France. The factory burned down, and, though she searched Chicago, she couldn't find a single jar. So she joined her husband on a business motor trip to New York, (Continued on page 539)



*Milady's battery for beauty. The little week-end case in the photograph on the preceding page contains cleansing and nourishing creams, astringent, skin tonic, face powder, and a roll of cream-removing tissues. (Courtesy, B. Altman & Co.)*

# SWELL OUT YOUR CHEST

*with good tools that ensure good workmanship*



Norman Tanner

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 especial 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)

## The Mixed Bouquet

*Using the flowers at hand*

by FLORENCE TAFT EATON

# 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.

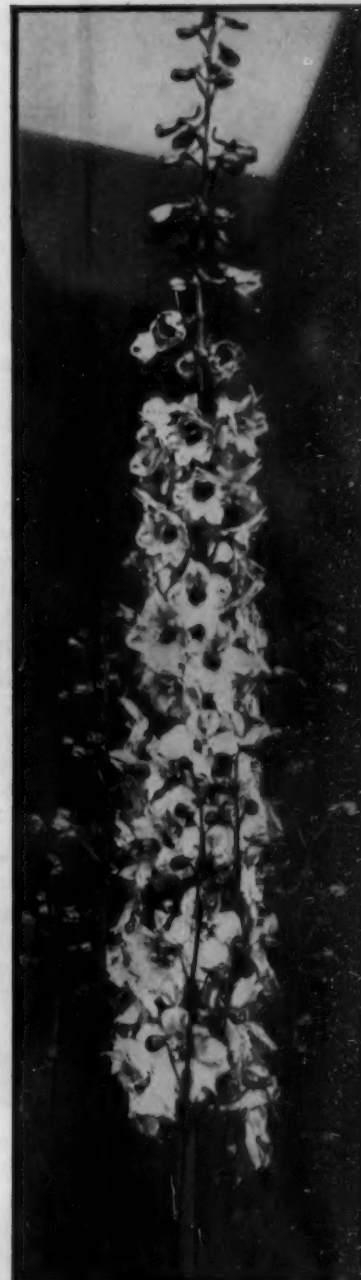
Color is the most important quality and the least appreciated in proper evaluation. It is common impression that Delphinium is supreme in the blue border; yet, with the advent of the larger-flowered Doubles, and with the Singles in disfavor, pure blue Delphiniums have become quite rare. Purple and lavender 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.

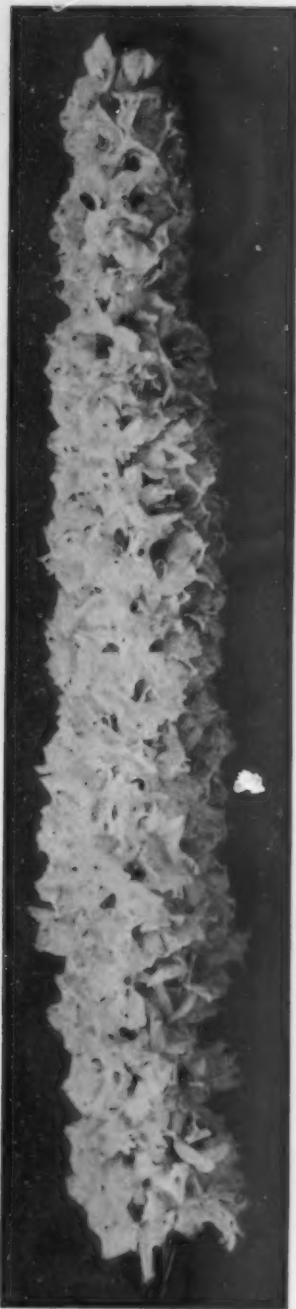
There are no true pinks or yellows as yet. Some lavender shades approach the pink but do not quite make it. The so-called yellows are, in reality, cream colored, with plant



*The formation of the flower and its color contrasts are matters of personal preference. A compact spike and not too long, with blooms well spaced all around is a good standard of quality*

and flowers weak and small. The *Delphinium zalil*, 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



*Fully double flowers make the spike look crowded and lacking in brilliancy*

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.

Much of the beauty of the individual flower depends upon its "eye." Some flowers have no eye, and are really charming novelties; others have only fragments of an eye, and therefore are not quite so desirable; while the more usual sorts possess fairly well defined eyes. When the eye is incomplete, or misplaced, appearing as fragments attached to the edges of the inner sepals, a rather untidy and unattractive effect is the result. In some cases the eye may be abnormally large; if it happens to be dark or dull colored, and supported by very small flowers, the plant is not worth saving. On the other hand, if such large eyes be pure white or golden colored on good sized flowers, an exceptionally attractive effect results.

Sepals vary in shape and size: some are broad, with either blunt or pointed ends, others narrow, aster-like; some are

flat, others curved and ruffled. Circular flowers are more desirable than the pointed sorts because they appear fuller, larger, and more showy. Thick, tough sepals being more lasting should be given the preference; but if toughness is associated with harshness of substance and color, they are less desirable. A novel effect is shown by certain varieties where modified sepal-like petals bunch up by curving over each other completely hiding the anthers.

Perhaps the most outstanding effect of Delphiniums is their stateliness. For this reason varieties with an open type of inflorescence are less desirable. The length of the spike has been improved to such an extent that three- and four-foot spikes are no longer uncommon, with two-and-one-half-foot lengths being the average. On extremely long spikes the lower flowers drop off long before the upper buds begin to open creating a rather untidy appearance. If the flowers happen to be more lasting than the ordinary, the individual sepals clinging longer without wilting or dropping before most of the apical buds open, most of the disadvantages of very long spikes are eliminated.

**T**HE 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)



*Regal in magnificence the stately brilliant flower spikes of the modern Hybrid Delphinium strains are a dominant note in the hardy border. Disease resistance seems to be an inherent quality of individual plants*

# Buried Trees DIE

by MARTIN L. DAVEY

**T**IMES 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.

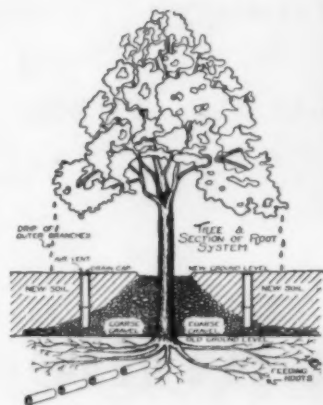
On almost every lot where a home is to be built, some grading and filling is necessary—low places to be filled and high places to be lowered. Both operations often endanger the lives of the trees. If roots are exposed when the ground elevation is lowered, they are likely to be killed by the sun or frost. 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.

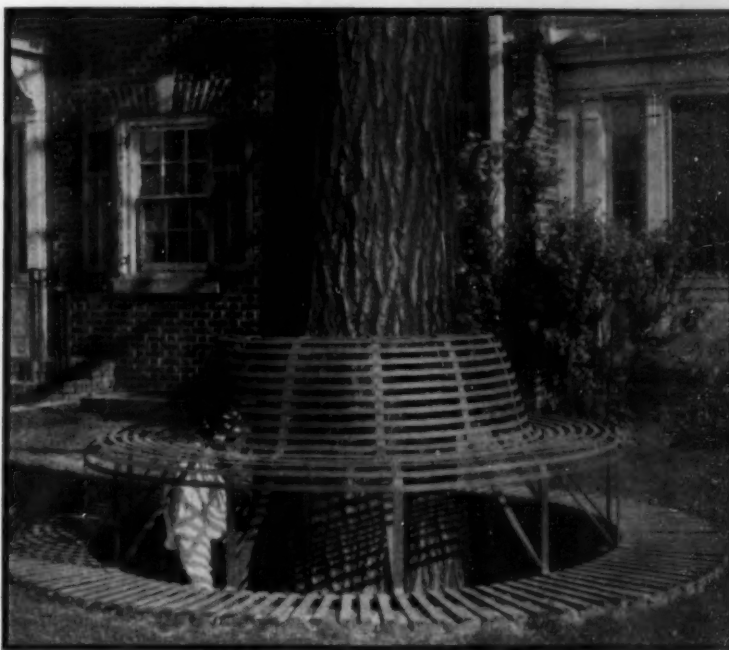
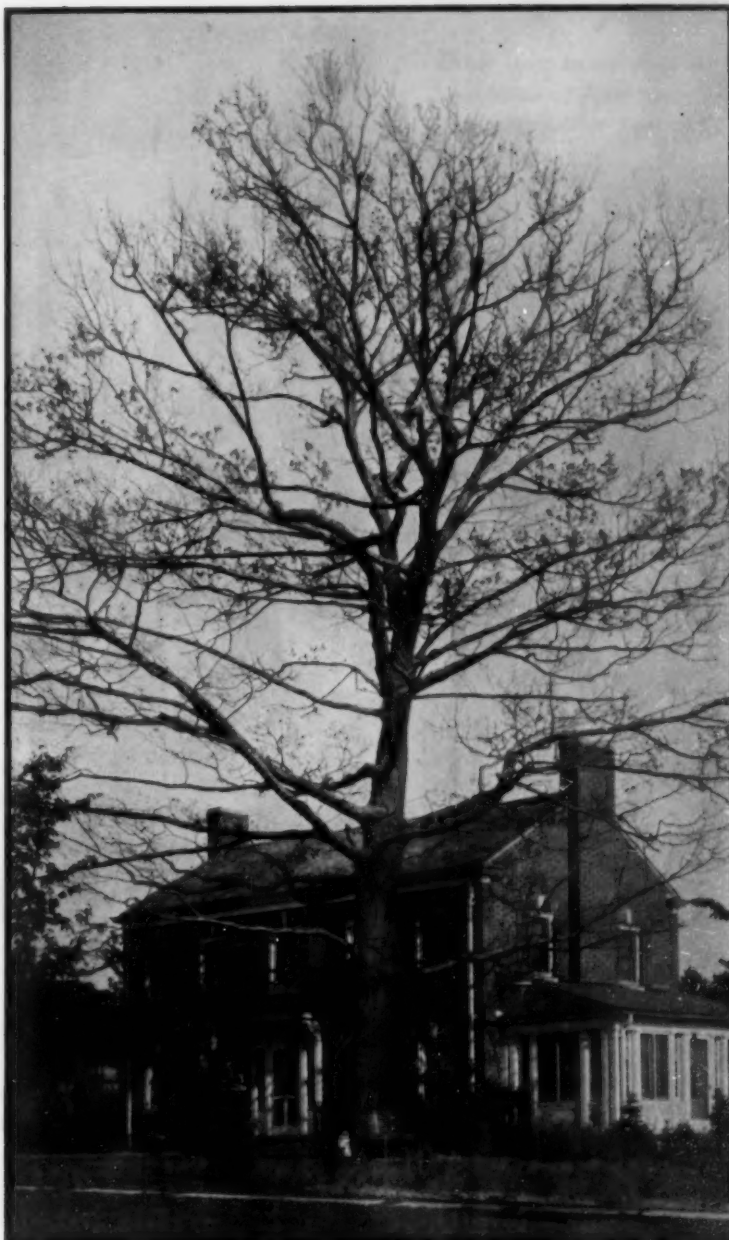
Why do so few trees survive treatment of this kind? The answer is that trees breathe—their need for air is just as real as our own. It is necessary that air come in direct contact with all the living tissues, regardless of whether those tissues are in the leaves, twigs, branches and trunk, or in the 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)



*Here's the correct way to put a fill over the roots of an established live tree, making adequate provision for air*



*The Oak on this site was valued by the home builder, hence an elaborate well about the trunk when the grade was raised. It fails of its purpose as the air does not reach the feeding roots. See sketch at side*

## 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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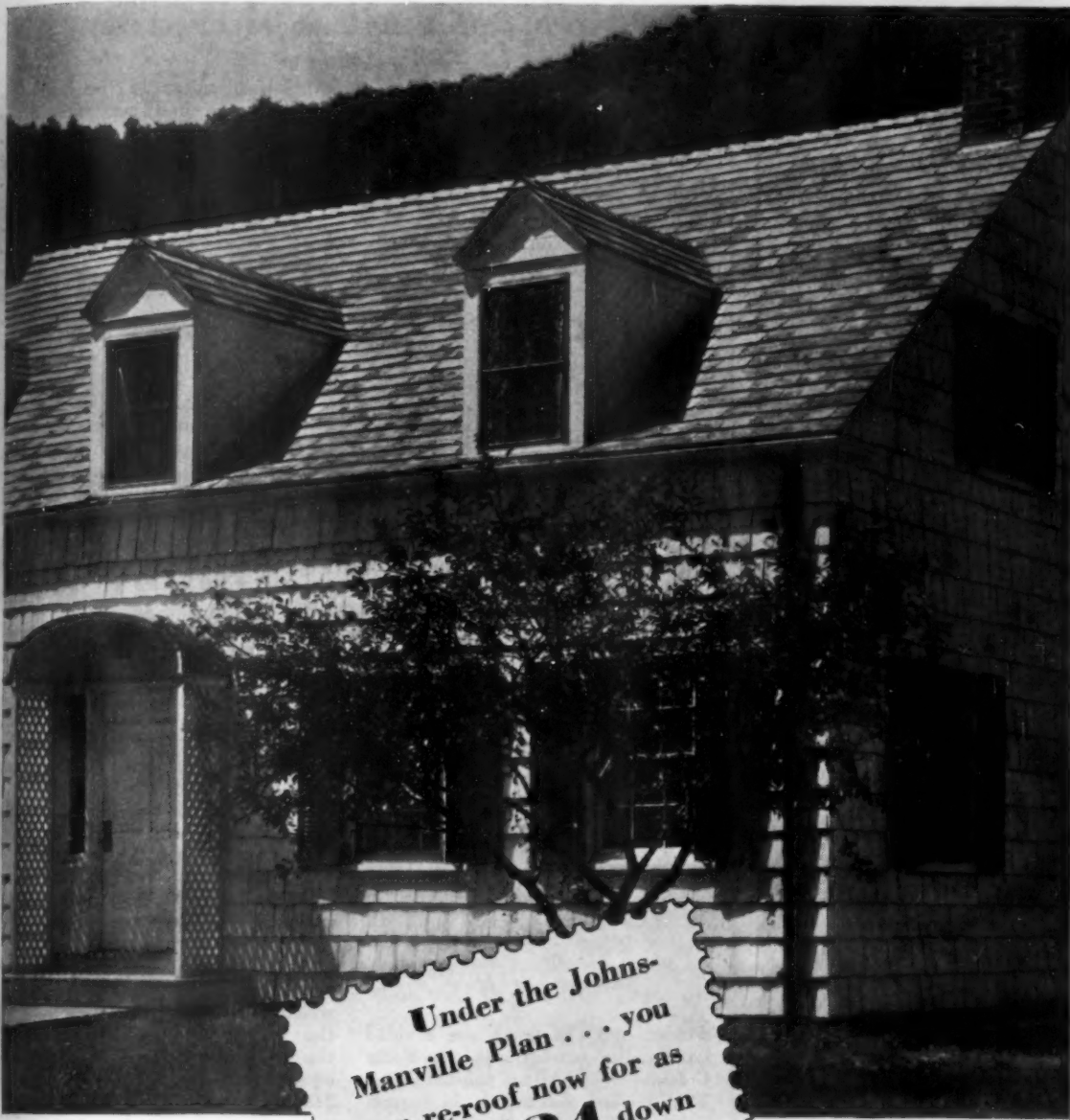
Developed under the supervision of prominent architects, Johns-Manville Asbestos Shingles are offered in a wide range of colors, textures, styles and prices to suit every need and taste.

They are laid directly over the old shingles—without the expense of removing the old.



## Johns-Manville





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## a substantial saving

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If you have any difficulty getting in touch with the Johns-Manville dealer in your community, address Johns-Manville, Madison Avenue and 41st Street, New York City, and we will send him to you . . . Re-roof now—with a year to pay!

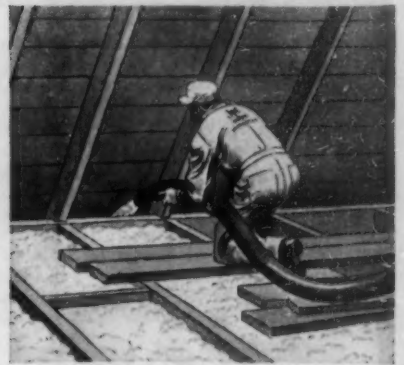
For residence, industrial plant or office building . . . *permanence . . . protection . . . satisfaction*

# Roofs

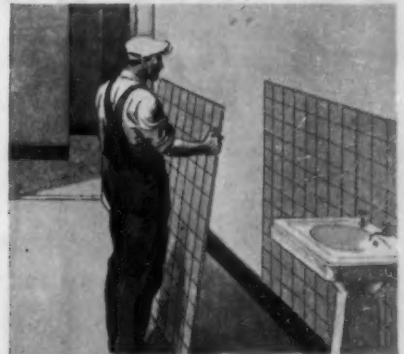
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## Adults not admitted

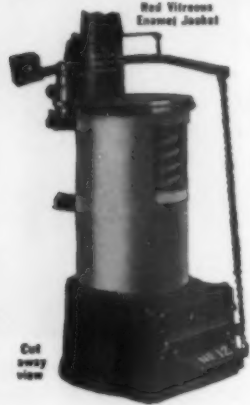
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## What price style in architecture

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

of elaboration as in the Late Colonial houses and cost about the same. The total cost for a Georgian style of house containing about 28,000 cubic feet would be approximately \$15,400.

The modern version of the Mediterranean style has twelve-inch concrete foundation walls and upper walls of hollow tile eight and ten inches thick or stud frame walls. Stucco of many colors, compositions, and textures is applied direct to the tile or to metal lath over the studs.

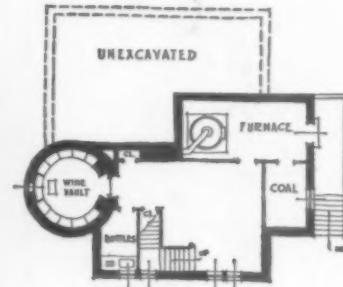
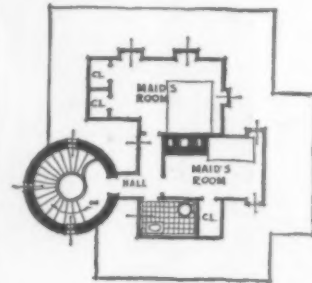
The buildings, in the price range under discussion, are rectangular in plan, with a long front in proportion to the depth. They seldom have wings. They may be surmounted with hip roofs of low pitch, wood sheathed, papered, and covered with corrugated, interlocking tile, usually red, or with gables or flat roofs. The double floors are supported on wood joists and the partitions are of studding. The finished floor is of narrow, hardwood strips or parquet.

Where the windows are very large the frames and sash are of wood. Where they are small, as in the original Italian models, steel sash are often used. To be strictly in keeping with the style, the chimneys are small and inconspicuous, with one for each fireplace or for two at the most.

Wrought iron is employed to good effect for stair rails, gates in openings, grilles in windows, small balconies, and for lighting fixtures and hardware. This style, while apparently simple, is about as expensive as those which have preceded it because of the greater solidity and cost of the materials. A seven-room house equipped as described, costs about \$15,400 to build.

Another style of architecture which has found great acceptance among home builders is the so-called English or Tudor period design. In its original form the entire outside frame of the house, including posts, sills, plates, and diagonal braces, was of heavy hewn timber, the spaces between being filled in with brick or stone, with or without stucco.

Of course all that is out of the question to-day, especially in a modest, seven-room house. A simplified ef-



The attic and cellar plans of Mr. Windom's French house are shown above; the floor plans of Mr. Pendlebury's Georgian home below

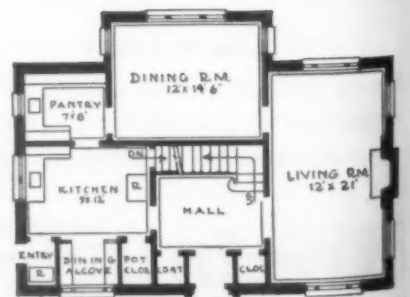
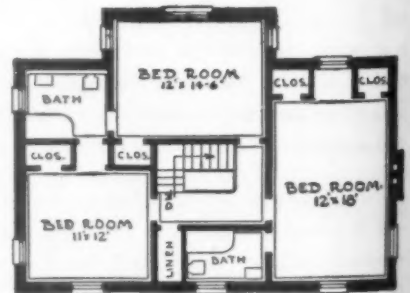
molded and the doors are divided into smaller panels than in the Early Colonial style. All are painted white. The finished flooring is in narrow oak strips, two and one quarter inches wide.

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 \$19,000 in the New York area.

True Georgian is English; it is formal and, like most English houses, is built of masonry. It differs from the Late Colonial in being rather more austere and less exuberant than its American brother. The roof is usually of hip construction, like a truncated pyramid covered with slate, although it may be flat or of the gable type. The trim, floors, hardware, fixtures, and the interior finishes, generally, are of about the same grade



## What price style in architecture

fect is achieved by substitutes and light construction. So the house under consideration has a rectangular main section with a wing either parallel to or at an angle with it.

The foundation wall is once more of twelve-inch concrete. The entire frame is of wood of standard construction, sheathed on the outside. This is veneered with brick, stone, or both, with half-timber trim disposed to imitate the solid timbers of the prototype. If part of the exterior, as a second story overhang or bay window is to be stuccoed, the masonry veneer is omitted from it, and the metal lath to receive the stucco is applied directly to the wood sheathing.

The chimneys are conspicuous architectural features in this style, hence expensive. Several flues are grouped in each, so that the stack is quite massive. The brick enclosure of each flue near the top, may be set diagonally on the main mass, and may terminate in ornate chimney pots. There is much corbelling and fancy bond in the brickwork.

Characteristic of this style, too, are the small casement windows arranged in groups of two to six with mullions between. In the originals,

bulls-eye lights of glass were used but modern practice calls for leaded glass.

Inside, wood, mostly oak, is used as lavishly as the appropriation will permit. Heavy trim, massive panelled doors, wainscoting, solid stair rails, beamed ceilings, and heavy mantels with panels over them are in keeping. The floors are of oak strips. All wood is treated with dark stain in weathered, antique or Flemish oak. The plaster is painted, often with some formal design. The hardware is of hammered metal with a dull silver finish. So are the lighting fixtures. A house of this kind costs \$16,800.

The last style to be considered here is a small model of the French chateau. It may be built of stone, white painted brick, or stucco and a prominent and attractive feature of the exterior is a round stair tower with a conical roof.

A high-pitched roof, covered with slate or tile and with a few very small dormers, whose practical purpose is to ventilate the unfinished attic is correct. Chimneys are small in section but tower above the eaves.

If built of stone, such a house, containing 29,600 cubic feet, would cost about \$19,600.

## Tempting drinks for torrid days

*Continued from page 320*

a foundation for beverages or raspberry ice or for sauces to accompany frozen desserts. (From Boston Cooking-School Cook Book, by Fannie M. Farmer, published by Little, Brown and Company)

### Grape Juice and Frozen Mint

Several sprays of long stemmed mint  
2 tablespoonfuls of sugar  
1 pint of grape juice  
1 pint of strong lemonade  
1 pint of charged or plain water  
Make the lemonade of two lemons, and one half cupful of sugar. Pinch stems of the mint between thumb and fingers until the bruised sprigs give out the utmost of their flavor, thrust stems into a deep pitcher half filled with cracked ice, sprinkle the sugar over them, and let all stand for half an hour. Then add the grape juice, the lemonade, and water. If charged water is used add it just before serving. (Courtesy, Welsh's Grape Juice)

### Canadian Grenadier

2 tablespoonfuls of ice cream  
Ginger ale  
Place ice cream in a tall glass, and fill with ginger ale. Do not stir. To make "soda" look more professional add two straws. Use chocolate or vanilla ice cream, or lemon or orange sherbet. Recipe serves one. A pint of ice cream, and three bottles of ginger ale serve six. (Courtesy, Canada Dry Ginger Ale)

### Ginger Ale Shandygaff

1 quart of strong tea  
10 lemons  
3 cupfuls of sugar  
4 bottles ginger ale  
Allow one teaspoonful of tea for each cupful of boiling water. Strain, add lemon juice, chill. At serving time pour over a block of ice, and add ginger ale. Garnish with thin slices of lemon, oranges, and red and green

cherries. Place sprigs of mint, tied together, with their stems deep in the hollow of the ice. Serves twenty. (Courtesy, Canada Dry Ginger Ale)

Tom Collins

1 bottle ginger ale  
1 lemon  
Mint leaves  
Powdered sugar  
Peel and squeeze lemon, add sugar to taste, strain into a beverage shaker with cracked ice and shake well. Pour into glasses, add a dry ginger ale, and sprays of fresh mint. (Courtesy, White Rock Ginger Ale)

It is a good idea to have on hand a bottle of chocolate or cocoa syrup which is easily made at home by blending one half cupful of cocoa into one cupful of cold water, over direct heat, and stirring until smooth, which will be at about the boiling point. Stir in two cupfuls of sugar, and a little salt, and continue stirring until they are dissolved. Boil three minutes at 222° and flavor with a few drops of vanilla when it is slightly cool. Pour into a pint jar, and seal, using a tight rubber ring which must be replaced after each using.

A great variety of chocolate floats, chocolate milk shakes, frosted chocolate and other delicious drinks may be made quickly with this convenient syrup on hand. A similar jar of sugar syrup is convenient, too.

Ice cubes from the mechanical refrigerator add a refreshing note to iced drinks, and may be the means of introducing a charming and unusual note of color. They may be flavored as well as made interesting by having a slice of orange or lemon, mint leaves, candied fruit, or cherries frozen in them, also the water may be colored with the harmless fruit colors, or with grape juice, lime juice, or mint extract.

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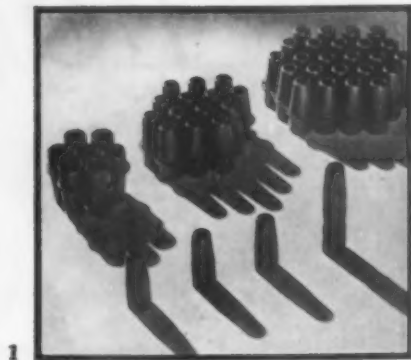
# Devices for American Homes

Every month Diana North selects for you 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 built-up effect since tubes telescope and hold firm. In almond green painted tin. Small size 60¢, medium size 85¢, large size \$1.10, all postpaid. 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  $\frac{1}{8}$  inch,  $\frac{1}{4}$  inch, or  $\frac{1}{2}$  inch strips or dice. The Dicer comes complete with one set of knives and costs \$6.00. Each additional set of knives costs \$2.00, 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.



1



2



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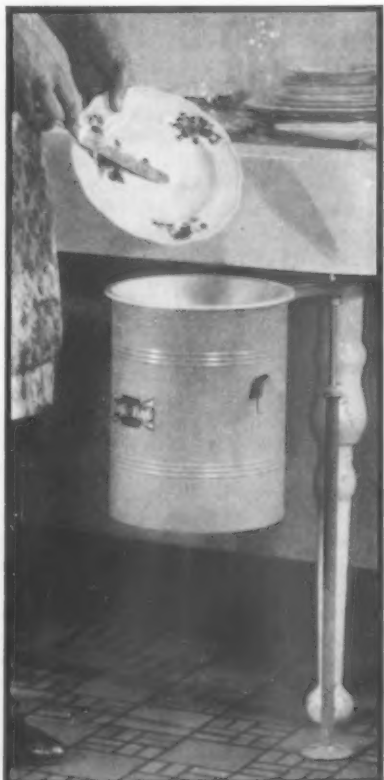
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5



6



7

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 \$4.75 prepaid within 100 miles of N. Y. To points 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. 50¢ prepaid from Adams & Eltinge, 1833 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 refuse. Swings back under sink when not in use. In green or ivory with 15 waxed-lined paper sacks \$2.50 prepaid. Additional sacks 10¢ per dozen. From the Alto Manufacturing Company, 1647 Wolfram St., Chicago, Illinois.

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—HEARTHSTONE EDITOR.

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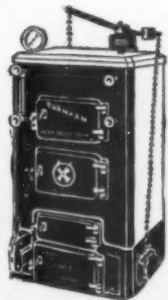
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For my information only, will you please state briefly, the plans you have in mind which lead to your request for booklets.

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

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

1. I am planning to.....

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

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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.

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Please send free illustrated literature on Delco Water Systems.

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ALSO MANUFACTURERS OF  
**DELCOGAS** complete cooking service for country homes

## 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 full but not a dripping brush, going over the wood with less vigor than when using flat paint. The undercoats for an enamel finish, however, should never be glossy; two coats of flat enamel or of flat paint with a top coat of enamel are the proper requirements.

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 use a flowing brush. These come in ox hair or badger hair, as well as in a combination of Chinese bristle and skunk hair. Pour a little lacquer into a saucer, instead of working direct 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, they 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

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 a tiny all-over design was made into curtains with edges cut in long shallow scallops piped in robins' egg blue gingham. 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, fresh looking rooms in the house. This was brought about by covering the floor with a linoleum having three-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 accented 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:

Hoosier kitchen cabinet and medicine cabinet ..	\$ 125.35
Outside painting and finishing floors .....	100.00
Inside painting labor .....	62.50
Paint material .....	20.00

Carpenter labor, installing French doors in dining room, installing windows in kitchen, changing windows in breakfast room, installing medicine cabinet, changing window glass in living and dining rooms, repairing locks on doors and windows, changing mantel .....

Hardware .....	8.00
Plastering in kitchen, dining room, living room, and plaster repairs .....	35.00
Plumbing repairs and kitchen supplies .....	29.75
Cement steps from dining room to garden .....	18.00
Glass .....	4.80
Mill work and lumber .....	118.00
Electric wiring .....	45.00
Electric light bulbs .....	8.95
Wallpaper .....	82.00
Landscape work .....	100.00
Removing old wallpaper ..	25.00
New window shades and cleaning old shades .....	17.00
Kitchen sink and installing same .....	25.28
Linoleum for kitchen and bathroom .....	45.00
Kitchen range .....	72.00
Refrigerator .....	200.00

62.00  
8.00  
35.00  
29.75  
18.00  
4.80  
118.00  
45.00  
8.95  
82.00  
100.00  
25.00  
17.00  
25.28  
45.00  
72.00  
200.00

\$1203.61

### COST OF INTERIOR FURNISHINGS

Living room .....	\$ 555.78
Dining room .....	354.80
Breakfast room .....	70.50
Kitchen .....	76.75
Owner's bedroom .....	174.49
Guest bedroom .....	125.16
Boy's room .....	112.93
Girl's room .....	119.11
Bathroom .....	8.75
<hr/>	
Remodeling expenses .....	1203.61
Total .....	\$2801.88


## 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, pinks, lavenders, and white; two or three Zinnias, surely—grow the pastel shades and select those best blending; Cosmos—white usually most valuable; a sprig or two of Annual Lupin 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 induced by cutting off seeding main stalks (never cut to the ground as sometimes advised) appears indefinitely; and the delicate laterals are even lovelier for picking than the more luxuriant first blossom stalks. Annual (orchid-flowered) Larkspur is one of the most valuable of annuals in the garden, and its exquisite varied colors are enchanting in the mixed bouquet. Early-flowering Michaelmas Daisies—of all ethereal shades of lav-

enders and purples—supply grace and beauty, as the feathery sprays of any variety seem to fit wherever placed. We also value greatly in such bunches the Arctotis (African Daisy). Drummond Phlox, too, is a great favorite in mixed bouquets. The café au lait Isabellina is unusual and lovely; we include, also, the deep and light violet shades and the Mayflower and rose-pink. A brilliant deep scarlet is an attractive variety. Strangely enough, the rather modest blue Salvia farinacea is very effective in these mixed arrangements; it seems to add delicacy and grace and to obviate stiffness. A sprig or two of Snapdragon and two or three Calendulas are always included. Sea-lavender (Statice latifolia) and double or single Gypsophila paniculata, one or all, seem essential; or the annual Gypsophila accomplishes the same effect.

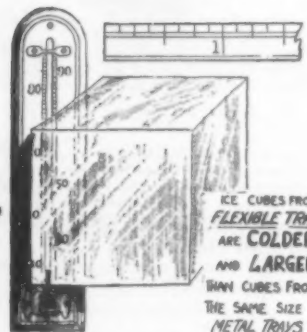
**BELIEVE IT OR NOT ----- By Ripley**



**Joanne Cummings**  
—New York hostess  
WHILE "DUMMY" AT BRIDGE  
**SERVED 48 ICE CUBES**  
(2 to a glass)  
**IN 37 SECONDS**



**HARVEY D GEYER**  
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REMOVES FROZEN ICE CUBES  
FROM A TRAY INSTANTLY  
—WITHOUT MELTING  
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ICE CUBES FROM  
**FLEXIBLE TRAYS**  
ARE **COLDER**  
AND **LARGER**  
THAN CUBES FROM  
THE SAME SIZE  
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### ... AT LAST—A MODERN ICE TRAY

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 melting of cubes into the sink—no splashing of water to ruin clothes.

Flexible rubber freezing trays are now standard equipment in all leading makes of automatic refrigerators. Insist upon having this modern convenience in the new refrigerator of whatever make that you buy.

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A flexible rubber tray is made to fit every automatic refrigerator—DuFlex for General Electric—Quickcube for Frigidaire—and Flexotray for Westinghouse, Kelvinator, Copeland, Leonard, Electrolux, Servel, Universal, and others.

See the local dealer of your make of refrigerator or write us direct, giving make of refrigerator and number of ice cube spaces in your present trays.

THE INLAND MANUFACTURING CO.  
Dept. O Dayton, Ohio



**Flexo Tray**  
Patented and Patents Pending Reg. U. S. Pat. Off.  
ICE CUBES INSTANTLY—TRAY TO GLASS



## Business of keeping beautiful

Continued from page 324

and, every chance she got, she was out and into the drug and department stores along the route and at destination—but all to no purpose. This forced her to experiment with other preparations, and, to her delight, she found a semi-liquid one in rachel coloring—an American product—which she likes much better than her French favorite. The same lesson, you see—don't get in a rut on your face or in your mind. The only thing to avoid in a day cream is one loaded with wax, which is definitely bad for the skin.

After the cream comes the rouge. Rouge is only about fifteen years old in America, so far as its widespread acceptance goes. For a while after its introduction, it was simply plastered on, and some older women one sees to-day have never altered this mistaken technique. Then it fell into disrepute with the advent of the brilliant lipstick and the centering of attention on the mouth. For the last year or so, rouge has been on the upswing again, due to a return of the "pretty" idea in make-up. But it isn't applied in the old poster fashion; rouge, to-day, aims primarily to give a look of health and vivacity, and, secondarily, to make certain colors becoming to types that couldn't wear them without a bit of touching up. But it should never advertise itself—that's old-fashioned. Another specialist has recently come out with a range of seven new shades, warranted to take care of all comers. Though the French persist in telling us that cream or liquid rouges are better than the dry variety, Americans at large have always preferred the compact, 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 other side. The same wide variety that obtains in rouge shades is to be found here, and it is agreed that one must work out a technique 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 based on 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 pulverized variety, so seductively perfumed that nobody can resist it. One specialist brings out soaps to match, in odor and in package—quite the smartest things you ever saw. Another pins her faith to a cream soap that comes in a jar or a tube, absolutely water-soluble and a profuse latherer. The same magician produces a bath oil that softens and perfumes the water, leaving a piney eau-de-cologne sort of fresh fragrance that makes men as well as women like it. Perfumed deodorant talcs and alcohol rubs of various kinds finish the bath delightfully.

Just a word about the hair. We've spoken before of the new way to train a natural wave, but those of us who still depend on a permanent mustn't forget that two or three months beforehand is none too soon to begin to get into condition for it. Fall back on your time-tried tonic if you think it may be needed. Or, better still, consult a reliable specialist.

## Buried trees die

Continued from page 329

aeration which the roots need. Such a well does little if any good. It provides air for the base of the tree and may tend to prevent its rotting but it makes no provision for the active feeding roots which are ten, twenty, or even thirty or more feet from the base. These feeding roots—the ones upon which the tree is absolutely dependent—are smothered just as positively as though the well were not made.

Fills can be made without materially harming the tree. But they must be made right! The expense may be a little more than if the fill were made haphazardly, with no thought of the tree's welfare, but if the tree is worth saving at all the expense is justified.

Before any fill is made around a tree, thoroughly cultivate the ground and enrich with a high grade of tree food and manure, humus, or leaf compost, providing drainage by a four-inch drain pipe.

After this is done, the ground above the roots should be covered with a layer of from six to twelve inches of very coarse washed gravel. This layer should extend out to the very tips of the roots—their extent to be determined by digging. Immediately around the tree trunk and out for a distance of from fifteen to eighteen inches, the layer of gravel is to be

built up as high as the proposed fill-in to be made.

Means must be provided for getting air to the roots. This can be done by placing three or four tiles, upright, equal distance apart, at points about three feet in from the outer edge of the gravel—use four-inch bell tile with the "bell" up. Perforated metal caps to fit snugly into the bell, and prevent debris from filling the pipes, can be obtained from almost any plumbing hardware store. In the case of large trees, use six perpendicular vent tiles.

Soil can now be added to bring the grade up to the required level. When this is finished nothing remains to be done except cultivate and fertilize the surface of the soil if a growth of lawn grass is desired.

The effects of making a heavy fill over a tree's roots may not become apparent until many months. If the roots were unusually healthy, or if there was a fair quantity of air in the soil before the fill was made, the roots manage to live for some time. And even after they cease to function, the tree itself will live briefly on its stored up food and sap. Eventually, however, the leaves become yellow and withered; soon they fall off; and the tree gives up its fight for life.

If only a part of the root system has been affected by the fill, the tree's

decline is more gradual. Each succeeding year its vitality becomes a little lower. The buds are undersized; the foliage is sparse. The leaves turn yellow or brown. The annual twig growth is short and in time the tree has many dead branches. Unless given treatment in time, such a tree will die.

Whether or not there's a fighting chance to save a buried tree can only be determined by a thorough examination of the root system.

The all-important need for a tree whose roots have been buried is air—an abundant supply of air. Consequently, the first step in treating such a tree is to make sure that air for the roots is available. This is done by removing all the fill which caused the trouble and thoroughly loosening and aerating the ground around the roots.

During the period when the roots were buried and deprived of sufficient air, the tree's vitality became low. Its condition is exactly the same as that of a person who has just passed through a serious illness—it needs plenty of food to restore its vigor and strength. The tree, therefore, should be given a reliable plant food—as soon as the tree has had time to adjust itself to the helpful aeration and only when the soil is comparatively dry. If the soil is soggy and malodorous it should be allowed to dry out, and then the feeding can follow. A high grade of plant food should be 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. Whenever 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 aerated and fertilized, 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.



This mark of distinction is stamped on each piece.



## Simplicity Suggests Rest

The simple lines of these genuine Colonial reproductions create an atmosphere of rest and charm. Every piece, including the little child's chair shown, has been carefully selected from a New England original. Your dealer will show you Conant-Ball furniture with the famous finish so widely sought in maple reproductions. Look for the C-B mark stamped on each piece.

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**CONANT-BALL COMPANY, BOSTON, MASS.**

# Shop Windows of To-day

by DIANA NORTH

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 WELLBY GIFT SHOP LTD., 57 East 56th St., N. Y. C.



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.

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## JUST ARRIVED FROM ITALY THIS GAY MARMALADE JAR

Add a bright touch to your table with this unique Florentine jar! All hand painted in naturalistic fruit decoration, with fruit knob on the cover and plate to match. 5 inches high. \$1.85, delivered.

If interested in the decorative arts, write for a copy of "THE SHARD."

**Carbone**

342 Boylston Street, Boston

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,

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## Sun-Glow Copper and Moon-Glow Pewter Candelabra—only \$7.50 pair

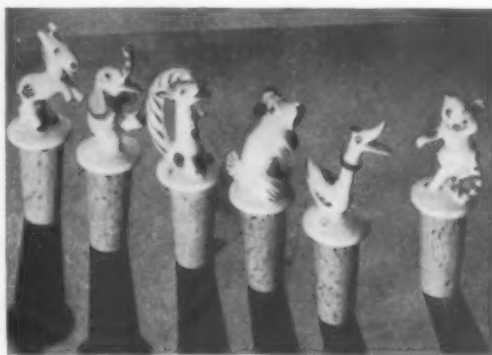
Two lustrous materials meet for the first time! Carr Craft introduced pewter to copper and they make their bow together in these delightful candelabra.

Copper is newly fashionable, pewter is always tasteful—the combination is superb. Copper provides the base and candle holders, the figure and branches are pewter. If your dealer does not carry Carr Craft, send your order to us direct. Look for the name "Carr Craft".

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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.

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Ladder back chair (as illustrated) finished to match desk. \$9.50

Express prepaid east of Mississippi, other points collect. Send check or money order to

ARTHUR-GRANVILLE COMPANY  
PERU INDIANA

# Shop Windows of To-day



## MAPLE WING CHAIR

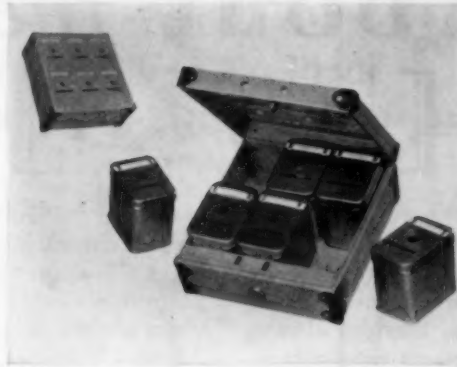
A good big chair, but not overpowering for small rooms because of the maple wings. Seat and back well upholstered in a variety of unusual materials or your own. Reversible loose spring cushion and surprisingly comfortable. Height 39"; back 26"; seat between arms 21"; seat depth 19"..... **\$37.50**

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**

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there is anything else about which we can get you information and we shall try and do so.

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This tip-top folding table is impervious to rain, heat, and liquids. The top measures 22½" in diameter, height 21½" and as you will notice from the photograph, it can be folded easily and takes up little space when not in use. In orange or green painted wood. Only \$3.59 prepaid within 100 miles from R. H. MACY & Co., Broadway & 34th St., N. Y. C.



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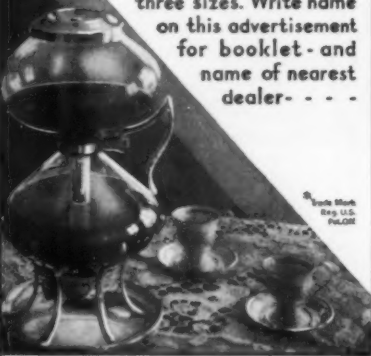
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ANTIQUES AND REPRODUCTIONS IN BRASS...

# In and About the Garden

[[ *Edward Barron* ]]

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.

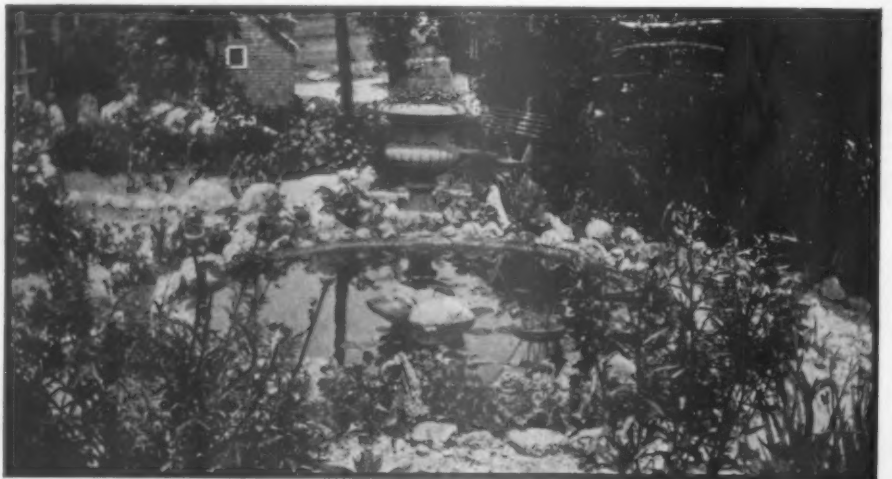
"I measured off the size of the pool so that this old well would be about in the center of it. As we dug the pool we shoveled the dirt in this well and I got rid of it and saved the expense of moving the dirt at the same time. The bottom of the pool was reinforced with some old iron rods and poultry 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. Sub-

sequent 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.



*At Sea Cliff, L. I. Mr. G. Griffith Clapham finds continuous recreation in building and extending his garden with rock bordered pool, Rose arbors, and other specialized features*

*Madonna Lilies were a feature in Mrs. Walter Teis Smith's Illinois garden two years ago when this photograph was made*

*The site of an old dry well was the inspiration for making this pool (below) in the Kentucky garden of Mr. Harry G. Smith*



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 vainglorious 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 FREE

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.



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*Tulips, Lilies, Hyacinths, Daffodils, Crocus - etc.*

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### 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 easily 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 flowers that turn lilac as they grow old. \$1. for 10; \$6. per 100; \$40. per 1000.

*Mertensia virginica* is another lovely wildling that quickly makes itself at home on your grounds. Thrives in either sun or shade, moist or dry situation. Pink buds and blue flowers in graceful panicles. \$1.50 for 10; \$12. per 100.

Both above are ready for delivery and should be planted at once!

Free catalog, of course.

Gillett's Fern & Flower Farm  
3 Main Street Southwick, Mass.



## 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 year after year to glorify your garden.



### RECOMMENDED COLLECTION

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

3 each of the three for \$3.75  
6 " " " " " 7.25  
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Furthermore, there are a goodly number of other hardy plants that feel kindly towards August and early fall planting.

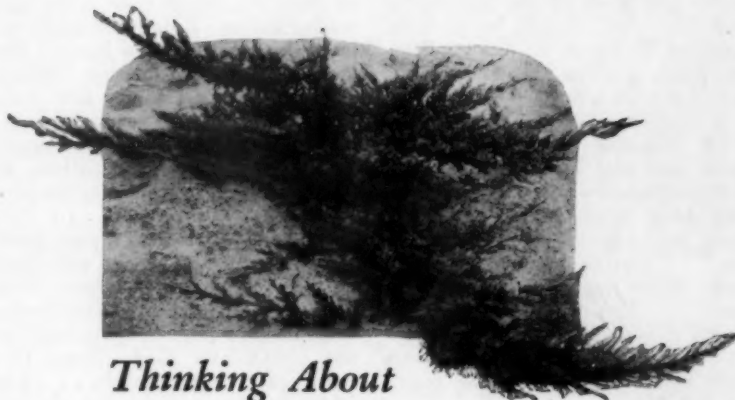
Send for our new autumn catalog offering not only bulbs in many varieties but also the greatest collection of hardy plants and rock plants ever brought together in one nursery. And what is more, it also tells what, where and when to plant each variety so fully listed.



## Wayside Gardens

MENTOR, OHIO

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### 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 Moerheimi), Junipers in variety, Retinosporas, Azaleas, Cotoneasters, and others.

Our catalogue, "Evergreens, Azaleas and Rhododendrons," is most helpful. A copy will be mailed on request to those who intend to plant evergreens.

### Hardy Plants in Pots for Early Fall Planting

A large assortment of perennials for rock-gardens, borders and masses of color. Varieties adapted to dry or moist soils, woodlands, full sun, or shade. Ask for special list.

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



## Opportunity

Seldom repeats itself, but if by any chance you failed to buy Schling's Quality Bulbs at our import prices of May and June, you will be glad to learn that we still can offer a limited number of the collections listed below during the months of July and August only, at prices far below those that will obtain later. Send for our Special Bulb Book.

NOTE—These are all top size, first quality bulbs in collections of named varieties—not mixed. Plant each variety separately and learn to appreciate its individual charm and beauty. (Collections in units of 100 only—our selection of varieties).

- \*100 Darwin Tulips in 10 named varieties. Immense flowers on stems 2 1/2 feet tall. . . . . \$5.50
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  - 100 Grape Hyacinths. Heavenly blue—Delightful in the Border or Rockery. . . . . 3.50
  - 100 Daffodils for naturalizing. . . . . 6.50
  - 100 Glory of the Snow, blue (Chionodoxa). Loveliest and earliest Spring flower for naturalizing. . . . . 3.00
  - 100 Post's Narcissai. . . . . 6.00
  - 100 Crocus, in 4 colors. . . . . 4.00
- Total Value \$40.00

Special Offer The above collection of 800 choice bulbs. . . . . \$35.00

\*Bloom in May and June. All the rest bloom in April and May—the Crocus and Chionodoxa earliest of all, as soon as the snow melts.

### Two Very Special Bulb Offers

100 DARWIN TULIPS \$3.50 -- for only -- \$3.50

Choicest, first-class bulbs, sure to bloom. Special Mixture made up especially for us from ten of the finest named varieties—not at all the ordinary field-grown mixture usually sold. A \$6.00 value for only \$3.50, or if you prefer, 50 bulbs for \$2.00

### The Heralds of Spring

200 of these lovely Spring beauties—25 each of the following \$6.50 of 5 named varieties for . . .

- Snowdrops (single); Glory of the Snow (Blue); Heavenly Blue Grape Hyacinths; Blue Squills (*Scilla sibirica*); Blue Bells (*Scilla campanulata*); White Blue Bells; Wood Hyacinths (*Scilla Nutans*); Winter Aconites.

### Madonna Lilies

To Glorify Your June Garden Lovely with Delphiniums

We offer here a limited quantity of extremely large, picked bulbs to those who wish unusual results. 10 to 15 magnificent blooms on stalks 4 to 5 feet tall may be expected. Delay may mean disappointment—Order NOW.

- Jumbo Size Special Hand-Picked Bulbs 75c each, \$7.50 a dozen
- Regular Mammoth Bulbs 50c each, \$4.50 a dozen, \$35.00 per 100 1st Size Bulbs
- 25c each, \$3.50 a dozen, \$25.00 per 100

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Send \$1 for our Collection No. 3551 and we will forward 12 packets of Hardy Perennial Flower Seeds with which you can have a beautiful little rock garden next spring.

The collection is made up of such popular flowers as Golden Alyssum, Rock Cress, Columbine, Primula, Aubretia and others equally desirable.

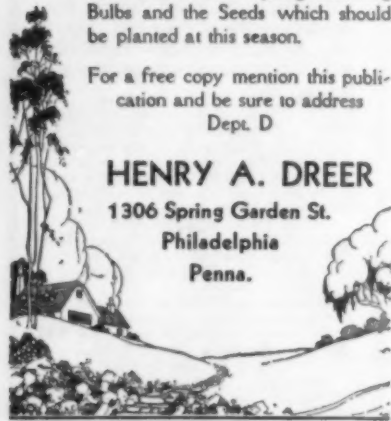
### Our Midsummer Catalog

lists winter and spring-flowering Bulbs and the Seeds which should be planted at this season.

For a free copy mention this publication and be sure to address Dept. D

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20 Azaleas, assorted, for only \$24  
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Send for my catalogue of native plants, shrubs, and evergreens.

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Gardens of the Blue Ridge  
Box 7, Ashford, North Carolina

## Garden reminders

### South

**The Flower Garden**—Now is the time to plan and prepare for winter bloom, indoors and out. . . . In the South, December and January can bring many blossoms, if you make ready for them in August. . . . This is the only month when Camellia cuttings will strike. . . . To have Sweet-peas at Christmas, plant, in a sunny spot, the early-flowering kinds, digging a deep trench, fertilizing well, and covering at first lightly, then drawing more earth over as they grow. . . . Poinsettias must be staked, tied up, and pinched off at intervals to make them branch. . . . Chrysanthemums and Dahlias, similarly treated, should keep on blooming into December. . . . Pot up, for the house or the window-box, any cuttings left in the cutting-boxes, and clean out these, filling with fresh sand. . . . Take cuttings of Jasmine, Hibiscus, Rose, Begonia, Coleus, and other plants now. . . . Carnations may be layered, with a hairpin. . . . Prepare window-boxes with sandy loam and good drainage, and place them in a semi-shaded place to get well established. German Ivy, Vinca (variegated), Thunbergia, Kenilworth Ivy, Nasturtium, Oxalis, Geraniums, Petunias, Heilotope, Ageratum, Lantana, Verbena, Plumbago, Begonia, Ferns, and Asparagus are recommended. . . . Bulbs of Liliun candidum (Madonna Lily) should be planted now; in the far South, Liliun longiflorum (Easter Lily) does better, and may be planted now or later. . . . Mulch Hydrangeas, Azaleas, Lilies, and Ferns with peat moss, Oak-leaves, or Pine-straw. . . . Mulch Roses and most of the perennials, biennials, and annuals with lawn clippings or leaves of Maple, Elm, etc. unless you can keep the ground stirred to form a dust-mulch; or have a ground-cover of some sort. . . .

**The Vegetable Garden**—Plough or spade, and sow for winter gardens.

**Miscellaneous**—Pull up all annuals that have finished blooming, and spade deep to prepare for fall planting. . . . Fertilize vacant beds, especially where you plan to set bulbs later. . . . Fertilize evergreens this month if you did not do it in July. . . . Roses may be fertilized and dead wood removed to make ready for fall bloom.

### The West Coast

Cut back foliage of winter blooming Iris cretensis (stylosa); divide and replant in sunny situation. When established withhold watering in summer. . . . Renew Fern beds; keep moist and lighten the soil with leaf mold or sawdust. Start potted Chinese Primroses and Roman Hyacinths; also plant latter in beds. . . . Divide and replant spent Amaryllis. Plant Madonna Lilies (Lilium candidum) and Callas, and continue planting Freesias, including new Rainbow varieties. . . . Look after autumn blooming plants, cutting back Dahlias for later blossoms. Continue sowing perennials and biennials and look after seedlings. . . . Sow Sweet-peas in Southern California for winter blooming. Remove Violet runners, and keep watered.

### North

**The Flower Garden**—Do not let August pass without paying especial attention to Irises and Lilies. Most Lilies may be planted from August to October. Division and planting of Iris is best done this month. . . . Cut flowers in the early morning or in the evening, not in midday when the sun is shining brightly. Don't let them go to seed. . . . Transplant perennials sown in May as soon as they are large enough. Give them opportunity to get firmly rooted before frost. . . . Sow other perennials in cold-frames. . . . Divide Pyrethrums and Primroses. Also lift and divide Perennial Poppies. . . . Stake perennial Asters. . . . Continue disbudding Dahlias for large blossoms. Concentrate on those you plan to enter in the September shows. Enter your neighborhood show, even if you haven't the greatest confidence in your Dahlias. It will be helpful to see how your flowers compare with your neighbors'. . . . Sow Bellis, Pansies, and Forget-me-nots. . . . Give applications of liquid manure to Chrysanthemums, Hydrangeas, Dahlias, etc. . . . Fertilize Rose bushes with a good phosphatic plant food and Phlox with sheep manure. Prepare to plant Rose bushes in September. Fall-planting is gaining in popularity throughout the North and East. Roses now need care every week. . . . Cut Phlox to the ground when through



## MERTENSIA

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

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.

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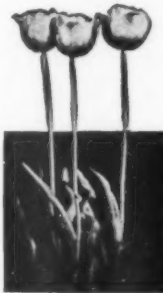
100 Darwin Tulips, 17 varieties.....	\$2.90
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I have large quantities of them but as the tax collector will not accept them for taxes I must exchange some of them for money before November. I assure you that in this case you are getting bargains.  
12 Iris, 12 Delphiniums, 6 Peonies, ALL GOOD varieties, but not labeled, \$5.00.  
100 IRIS at least 27 choice named varieties—not labeled, \$5.00, if labeled these sell for 25 to 75 cts. each.  
See catalogue for other bargains.  
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THE AQUAPROOF PRODUCTS CO.  
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## Garden reminders

blooming. . . . Cut back Golden glow for further blossoming. . . . Decide on the bulbs you want to force indoors, and make your selection of bulbs for fall planting. . . . Pot Freesia and Bouvardia. . . . Take Poinsettia cuttings.

**The Vegetable Garden**—Sow seeds of Endive, Peas, Bush Beans, Spinach, Corn-salad, Cucumbers, Radishes, Turnips, Lettuce, and Kale. They are all short season vegetables. 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. . . . Pinch 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.

. . . Sow Parsley for spring use. Transplant old plants to coldframe. . . . Spray Tomatoes with bordeaux mixture. . . . Give asparagus bed some bone meal. . . . Tops of Squash, Tomato, and Pumpkin vines should be pinched back.

**Miscellaneous**—Order evergreens for delivery about August 15. . . . Grass clippings form a good mulch to keep moisture near the roots. . . . Spray for codling moth. . . . Mow lawn regularly, to prevent its getting 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 fruit 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 occupied by the foliage, and that often the side shoots begin to form at four or five feet from the ground, and it can be seen that such heights do not make for balanced beauty. The ideal type is one where the foliage is crowded into a space of one or perhaps two feet, with broader leaves placed more densely to compensate the reduced foliage space.

Disease resistance is perhaps as important a quality as anything else. Growers in eastern and especially in southern parts of the United States constantly witness the ravages of the bacterial crown rot without recognizing the true cause. Two years is considered as the average life for the newer hybrids. After a magnificent display of vigor and beauty, highly prized plants suddenly wilt down, or fail to come up at all, showing only the charred, withered remnants. Many have ascribed this to a biennial habit. While it is true that some of the English hybrids have biennial species for some of their ancestors, yet similar hybrids do well in cooler climates or higher altitudes, and may persist for years. I have a number

of English hybrids which for the last five years have come up and bloomed for me; on the other hand, numerous other hybrids, of both English and American origin, have fallen victims to this disease which seems to be quite widespread, and the casual organism is carried within the seed. I have purchased seeds from a great many growers, have planted them in clean soil, often in thoroughly sterilized seed-beds, and have never failed to observe some diseased seedlings in each lot. Many experienced growers in the regions where disease is prevalent, scoff at the idea of bacterial or any other parasites, but as I have seen the bacteria in diseased tissues, have isolated them in pure culture, have successfully inoculated them into healthy plants and obtained typical symptoms, there is no doubt in my mind. Because the parasite is systemic, traveling throughout the water conducting tissues of Delphiniums, there is no way of reaching it by means of disinfectants. It makes no difference whether the soil be rich or poor, acid or alkaline, sandy or clay, the disease flourishes and takes its annual toll. There is only one trail of hope—to develop varieties resistant to the disease.

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